

Supplementary Table S1. Single hit BESs sorted by human chromosome and position.								
Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL361179	RP44_344B6	SP6	1	2916481	2916580	2.92	3.00E-22	PRDM16
CL411404	RP44_421B8	SP6	1	3788116	3788292	3.79	4.00E-06	NA
CL331820	CH242_9G7	T7	1	4034872	4034942	4.03	3.00E-07	LOC348405
CL408415	RP44_415E16	SP6	1	4640165	4640226	4.64	2.00E-06	NA
CL325908	RP44_242M16	SP6	1	4774381	4774409	4.77	5.00E-06	NA
CL362169	RP44_375G19	SP6	1	4821331	4821496	4.82	3.00E-14	NA
CL351469	RP44_313A3	T7	1	4895192	4895261	4.90	4.00E-06	LOC126772
CL332564	CH242_12A9	SP6	1	6360948	6361156	6.36	1.00E-27	NA
CL330688	CH242_4N17	SP6	1	6442252	6442368	6.44	3.00E-32	CAMTA1
CL387354	RP44_281K14	T7	1	6686352	6686389	6.69	2.00E-06	CAMTA1
CL362640	RP44_380M15	SP6	1	7395106	7395276	7.40	9.00E-48	CAMTA1
CL323366	RP44_458I19	T7	1	7777810	7777911	7.78	1.00E-18	LOC343136
CL376651	RP44_445E1	SP6	1	7850848	7850912	7.85	2.00E-08	NA
CL381165	RP44_314L4	SP6	1	7850848	7850921	7.85	6.00E-09	NA
CL355317	RP44_409D21	T7	1	7850848	7850921	7.85	5.00E-09	NA
CL355395	RP44_409D21	SP6	1	8075951	8076170	8.08	8.00E-58	RERE
CL374077	RP44_469B13	SP6	1	8326920	8327001	8.33	1.00E-06	RERE
CL339234	RP44_268J23	T7	1	8559126	8559154	8.56	6.00E-06	NA
CL335549	RP44_253N11	SP6	1	8627724	8627762	8.63	3.00E-07	CA6
CL386963	RP44_335M13	SP6	1	8892205	8892270	8.89	1.00E-09	H6PD
CL360052	RP44_338J7	SP6	1	9144767	9144815	9.14	3.00E-13	LOC343060
CL334641	RP44_251F18	SP6	1	9965018	9965456	9.97	6.00E-86	KIF1B
CL376308	RP44_444G7	T7	1	10006918	10007033	10.01	2.00E-36	KIF1B
CL361123	RP44_344F4	T7	1	10009239	10009356	10.01	7.00E-26	KIF1B
CL327098	RP44_245I21	T7	1	10025126	10025448	10.03	4.00E-28	KIF1B
CL361196	RP44_344F4	SP6	1	10207254	10207438	10.21	2.00E-20	PEX14
CL385224	RP44_330G20	SP6	1	10220495	10220828	10.22	e-136	PEX14
CL359195	RP44_335F20	SP6	1	10282083	10282333	10.28	5.00E-09	PEX14
CL320494	CH242_10D2	SP6	1	10287801	10287891	10.29	2.00E-21	PEX14
CL381537	RP44_316C5	T7	1	10293544	10293918	10.29	5.00E-46	PEX14
CL340088	RP44_256J4	SP6	1	10295206	10295520	10.30	1.00E-18	PEX14
CL383081	RP44_325B19	SP6	1	10403707	10403953	10.40	4.00E-41	FLJ20321
CL377625	RP44_457C15	SP6	1	10440841	10441069	10.44	1.00E-80	NA
CL411508	RP44_422E14	T7	1	10440841	10441103	10.44	3.00E-91	NA
CL381625	RP44_316C5	SP6	1	10505654	10505688	10.51	2.00E-07	LOC350661
CL359676	RP44_337I2	T7	1	10683401	10683751	10.68	2.00E-08	TARDBP
CL345205	RP44_279B16	SP6	1	10707156	10707312	10.71	1.00E-27	MASP2
CL347910	RP44_273C10	SP6	1	10782338	10782403	10.78	5.00E-14	FRAP1
CL365391	RP44_353D2	T7	1	10803818	10803971	10.80	4.00E-47	FRAP1
CL345023	RP44_279L7	T7	1	10812968	10813485	10.81	7.00E-21	FRAP1
CL355569	RP44_409J22	SP6	1	10912229	10912438	10.91	6.00E-15	FRAP1
CL384395	RP44_329C5	T7	1	10912554	10912792	10.91	5.00E-74	FRAP1
CL384417	RP44_329G5	T7	1	10912554	10912792	10.91	3.00E-71	FRAP1
CL337043	RP44_263P8	SP6	1	10965006	10965050	10.97	1.00E-10	NA
CL377698	RP44_457A16	T7	1	11025616	11025784	11.03	3.00E-38	NA
CL389249	RP44_286C24	SP6	1	11061340	11061776	11.06	9.00E-33	NA
CL376300	RP44_444E1	T7	1	11456283	11456334	11.46	8.00E-08	LOC284498
CL363136	RP44_383G8	T7	1	11463816	11464019	11.46	1.00E-55	MTHFR
CL351431	RP44_312J4	SP6	1	11665625	11665797	11.67	4.00E-55	MFN2
CL340783	RP44_258P9	T7	1	11680996	11681042	11.68	5.00E-12	MFN2
CL359547	RP44_337G9	T7	1	11923191	11923301	11.92	1.00E-28	FLJ10619
CL378180	RP44_423K8	SP6	1	11925802	11926420	11.93	4.00E-25	FLJ10619
CL356742	RP44_412E5	T7	1	11925802	11926420	11.93	4.00E-25	FLJ10619
CL365110	RP44_400J9	T7	1	11952173	11952509	11.95	2.00E-79	FLJ10619
CL374787	RP44_470J15	SP6	1	11953015	11953263	11.95	2.00E-23	FLJ10619
CL355161	RP44_409E8	T7	1	12086717	12086814	12.09	1.00E-06	KIAA0453
CL385379	RP44_330L5	SP6	1	12117372	12117668	12.12	1.00E-12	KIAA0453
CL348569	RP44_274N10	SP6	1	13491907	13491951	13.49	3.00E-08	NA
CL324661	RP44_476G22	T7	1	13640534	13640952	13.64	6.00E-30	NA
CL368631	RP44_289I2	SP6	1	13663833	13663981	13.66	4.00E-16	LOC350830
CL352779	RP44_401J14	T7	1	13686006	13686047	13.69	1.00E-06	NA
CL368551	RP44_289I2	T7	1	13842281	13842545	13.84	1.00E-41	LOC343528
CL359200	RP44_335H10	SP6	1	13943937	13944091	13.94	2.00E-15	NA

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CL335348	RP44_253O14	T7	1	14234420	14234728	14.23	8.00E-79	KIAA1026
CL335408	RP44_253O14	SP6	1	14418750	14418787	14.42	1.00E-06	KIAA1026
CL384147	RP44_328B19	SP6	1	14696543	14696595	14.70	5.00E-06	NA
CL362128	RP44_375K13	T7	1	14736543	14736636	14.74	3.00E-13	LOC200197
CL376742	RP44_445H13	T7	1	14985603	14985681	14.99	7.00E-17	KIAA1937
CL324147	RP44_463L12	T7	1	15051540	15070962	15.06	1.00E-12	ELA2B
CL347711	RP44_273K7	T7	1	15457782	15457942	15.46	5.00E-18	SHARP
CL378948	RP44_425M24	T7	1	16505396	16505543	16.51	2.00E-36	PADI1
CL380638	RP44_429K2	SP6	1	17021000	17021090	17.02	2.00E-24	LOC350692
CL440097	RP44_299H22	T7	1	17037305	17037366	17.04	6.00E-09	LOC81569
CL380552	RP44_429K2	T7	1	17191322	17191590	17.19	1.00E-10	NA
CL343323	RP44_276B9	SP6	1	17756190	17756573	17.76	4.00E-53	MGC15730
CL368284	RP44_288B10	SP6	1	17800641	17800790	17.80	1.00E-25	MGC15730
CL368317	RP44_288L10	SP6	1	17800641	17800790	17.80	5.00E-21	MGC15730
CL343244	RP44_276B9	T7	1	17969398	17969580	17.97	5.00E-34	LOC350849
CL381105	RP44_314P8	T7	1	18385262	18385302	18.39	7.00E-06	LOC126917
CL332821	CH242_12O24	SP6	1	18633461	18633640	18.63	9.00E-48	RBAF600
CL414341	RP44_436F15	T7	1	19695089	19695174	19.70	3.00E-08	LOC343379
CL324303	RP44_474K14	T7	1	19699709	19699884	19.70	7.00E-30	LOC343379
CL366205	RP44_358L5	T7	1	19942846	19943075	19.94	4.00E-50	NA
CL385578	RP44_332C13	T7	1	20089099	20089242	20.09	5.00E-18	CDA
CL382071	RP44_323E20	SP6	1	20155119	20155355	20.16	1.00E-84	KIF17
CL381987	RP44_323E20	T7	1	20312910	20313498	20.31	1.00E-66	EIF4G3
CL349833	RP44_309H10	SP6	1	20443847	20444074	20.44	3.00E-13	EIF4G3
CL385572	RP44_332A21	T7	1	21023663	21023713	21.02	1.00E-09	ALPL
CL414244	RP44_436A24	SP6	1	21146546	21146574	21.15	4.00E-06	NA
CL326497	RP44_243D24	T7	1	21453833	21478683	21.47	2.00E-11	ELA3B
CL322406	RP44_404J2	T7	1	21562293	21562596	21.56	e-156	CDC42
CL326568	RP44_243D24	SP6	1	21649680	21649744	21.65	8.00E-11	LOC343382
CL362172	RP44_375I5	SP6	1	21679167	21679500	21.68	2.00E-07	NA
CL330501	CH242_4G23	T7	1	21745731	21746180	21.75	5.00E-46	LOC343383
CL385504	RP44_330F6	SP6	1	21931515	21931570	21.93	3.00E-10	KIAA0478
CL367171	RP44_365A9	T7	1	21978877	21979263	21.98	1.00E-06	KIAA0478
CL413131	RP44_432A3	SP6	1	22039381	22039521	22.04	2.00E-32	EPHA8
CL348587	RP44_275A17	T7	1	22140422	22140506	22.14	2.00E-15	NA
CL383191	RP44_325H4	T7	1	22238871	22239236	22.24	8.00E-17	EPHB2
CL413051	RP44_432A3	T7	1	22238871	22239236	22.24	5.00E-16	EPHB2
CL373029	RP44_307F5	T7	1	22267993	22268154	22.27	2.00E-42	EPHB2
CL411163	RP44_420D19	T7	1	22287262	22287489	22.29	1.00E-23	EPHB2
CL361763	RP44_351N21	T7	1	22427786	22428001	22.43	5.00E-53	LOC343387
CL411242	RP44_420D19	SP6	1	22512726	22512927	22.51	2.00E-21	KIAA0601
CL373974	RP44_469M22	SP6	1	22540722	22541128	22.54	e-104	KIAA0601
CL342213	RP44_261L22	SP6	1	22687969	22688199	22.69	1.00E-25	NA
CL439970	RP44_299I10	SP6	1	22935927	22936126	22.94	8.00E-07	NA
CL385918	RP44_332P13	T7	1	22935927	22936126	22.94	7.00E-07	NA
CL362878	RP44_380D18	SP6	1	23172527	23172810	23.17	2.00E-42	HTO14
CL377252	RP44_449H15	T7	1	23197575	23197649	23.20	5.00E-09	HMGCL
CL411178	RP44_420H7	T7	1	23201018	23201124	23.20	4.00E-12	HMGCL
CL364437	RP44_396N1	T7	1	23602112	23602363	23.60	6.00E-63	NA
CL381843	RP44_323C13	T7	1	23689866	23690190	23.69	3.00E-11	NA
CL384094	RP44_328H1	T7	1	23689869	23690190	23.69	5.00E-09	NA
CL385700	RP44_332A4	T7	1	24134973	24135303	24.14	4.00E-13	CLIC4
CL330694	CH242_4P13	SP6	1	24234208	24234404	24.23	5.00E-14	RUNX3
CL350484	RP44_310J18	SP6	1	24243945	24244040	24.24	8.00E-13	RUNX3
CL338986	RP44_268O23	T7	1	25052139	25052366	25.05	1.00E-34	NA
CL358777	RP44_415G2	T7	1	25055973	25056010	25.06	1.00E-06	NA
CL412325	RP44_430D6	SP6	1	25064070	25064570	25.06	4.00E-93	NA
CL339048	RP44_268O23	SP6	1	25171053	25171184	25.17	6.00E-24	NA
CL412244	RP44_430D6	T7	1	25241517	25241596	25.24	5.00E-06	MAN1C1
CL326696	RP44_244A17	SP6	1	25393471	25393585	25.39	3.00E-10	MGC2603
CL368553	RP44_289I6	T7	1	25396640	25396797	25.40	2.00E-18	MGC2603
CL413848	RP44_435G18	T7	1	25493777	25493868	25.49	3.00E-22	NA
CL414025	RP44_435H18	T7	1	25493777	25493870	25.49	2.00E-23	NA
CL326627	RP44_244A17	T7	1	25582726	25582990	25.58	1.00E-70	EXTL1
CL414081	RP44_435H18	SP6	1	25683440	25683937	25.68	1.00E-31	LOC149420

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CL413784	RP44_435G17	SP6	1	25683550	25683927	25.68	3.00E-19	LOC149420
CL412883	RP44_431P5	SP6	1	25685908	25686347	25.69	6.00E-43	NA
CL412087	RP44_430D1	SP6	1	26244445	26244930	26.24	4.00E-38	NA
CL346425	RP44_270N21	SP6	1	26261374	26261441	26.26	2.00E-17	SMARCF1
CL340025	RP44_256L16	T7	1	26349514	26349854	26.35	e-116	FLJ20477
CL412171	RP44_430D1	T7	1	26457002	26457838	26.46	e-119	FLJ12455
CL408651	RP44_415F14	T7	1	27035623	27035745	27.04	2.00E-14	WASF2
CL325234	RP44_479N5	SP6	1	27036475	27036761	27.04	8.00E-39	WASF2
CL341685	RP44_261M23	T7	1	27052545	27052604	27.05	4.00E-10	NA
CL381738	RP44_316K14	T7	1	27126895	27127254	27.13	2.00E-85	LOC350727
CL412458	RP44_431M5	T7	1	27133567	27133603	27.13	6.00E-06	LOC350727
CL412792	RP44_431N7	T7	1	27133567	27133603	27.13	5.00E-06	LOC350727
CL384611	RP44_329M20	T7	1	27335640	27335678	27.34	3.00E-07	STX12
CL323213	RP44_457D18	SP6	1	27841255	27841689	27.84	1.00E-12	SES2
CL369499	RP44_291M16	T7	1	28549308	28549802	28.55	7.00E-49	NA
CL385830	RP44_332M14	SP6	1	28654517	28654580	28.65	2.00E-17	OPRD1
CL362194	RP44_375M21	SP6	1	28849300	28849393	28.85	9.00E-11	EPB41
CL350496	RP44_310N4	SP6	1	29057915	29058102	29.06	4.00E-16	CGI-63
CL362137	RP44_375M21	T7	1	29059360	29059507	29.06	9.00E-23	CGI-63
CL359690	RP44_337K12	T7	1	29298732	29298803	29.30	2.00E-12	NA
CL323525	RP44_458K16	SP6	1	30520306	30520419	30.52	2.00E-11	NA
CL358301	RP44_414H1	T7	1	30700975	30701088	30.70	2.00E-26	NA
CL323524	RP44_458K16	T7	1	30724024	30724147	30.72	2.00E-12	LOC343336
CL342297	RP44_262M7	T7	1	30841441	30841528	30.84	3.00E-29	PUM1
CL333931	RP44_250N23	SP6	1	30899842	30900093	30.90	2.00E-08	PUM1
CL387351	RP44_281K8	T7	1	31362355	31362409	31.36	2.00E-09	NA
CL408428	RP44_415G22	SP6	1	31994546	31994620	31.99	1.00E-21	FLJ10315
CL382079	RP44_323G12	SP6	1	32096432	32096874	32.10	2.00E-30	MGC1203
CL359731	RP44_337G6	SP6	1	32145934	32146274	32.15	5.00E-15	LCK
CL358787	RP44_415G22	T7	1	32209783	32209952	32.21	4.00E-10	HDAC1
CL356804	RP44_412A21	SP6	1	32832232	32832348	32.83	1.00E-06	FLJ90005
CL321167	CH242_15D1	SP6	1	33068666	33068815	33.07	2.00E-30	FLJ10759
CL373965	RP44_469K22	SP6	1	33170507	33170636	33.17	1.00E-21	FLJ25476
CL385273	RP44_330D1	T7	1	33192299	33192796	33.19	e-168	FLJ25476
CL327285	RP44_245E18	SP6	1	33479401	33479435	33.48	4.00E-07	NA
CL325039	RP44_479C5	T7	1	33493110	33493474	33.49	3.00E-35	NA
CL333107	RP44_248F4	SP6	1	33509473	33509876	33.51	3.00E-54	NA
CL327219	RP44_245E18	T7	1	33641170	33641738	33.64	7.00E-15	NA
CL325040	RP44_479C5	SP6	1	33641192	33641738	33.64	2.00E-08	NA
CL389273	RP44_286I12	SP6	1	33670018	33670116	33.67	8.00E-19	LOC284652
CL354717	RP44_408C8	T7	1	33742838	33743243	33.74	1.00E-37	NA
CL349745	RP44_309F4	T7	1	34873832	34874056	34.87	3.00E-09	ZNF258
CL363171	RP44_383M20	T7	1	34912558	35262329	35.09	7.00E-15	ZNF262
CL384425	RP44_329G21	T7	1	35114649	35114832	35.11	2.00E-43	NA
CL358915	RP44_335M22	SP6	1	35284803	35285091	35.28	8.00E-17	ZNF262
CL384729	RP44_329H1	T7	1	35358810	35358967	35.36	3.00E-54	PKD1-like
CL384541	RP44_329O17	SP6	1	36409785	36409925	36.41	5.00E-22	NA
CL358529	RP44_414F4	SP6	1	36520127	36520179	36.52	3.00E-06	NA
CL387232	RP44_281A19	SP6	1	36565529	36565640	36.57	1.00E-43	LOC343347
CL387158	RP44_281A19	T7	1	36756527	36757128	36.76	4.00E-10	GRIK3
CL412536	RP44_431M5	SP6	1	37052877	37052906	37.05	1.00E-06	NA
CL412873	RP44_431N7	SP6	1	37052877	37052906	37.05	1.00E-06	NA
CL411090	RP44_420C8	SP6	1	37149072	37149308	37.15	3.00E-96	LOC343349
CL343777	RP44_277K18	T7	1	37274584	37274903	37.27	2.00E-30	LOC127691
CL382333	RP44_323J20	SP6	1	37338743	37338807	37.34	2.00E-06	LOC343351
CL328175	RP44_248I7	SP6	1	38032148	38032369	38.03	1.00E-41	NA
CL372795	RP44_306B16	SP6	1	38175798	38175855	38.18	5.00E-09	NA
CL350194	RP44_310O14	SP6	1	38199727	38199984	38.20	1.00E-07	NA
CL373918	RP44_469C8	SP6	1	38215216	38215381	38.22	3.00E-61	NA
CL411492	RP44_422C4	T7	1	38459205	38459512	38.46	4.00E-07	NA
CL388973	RP44_285L24	SP6	1	38478995	38479064	38.48	5.00E-09	LOC350835
CL350152	RP44_310G16	SP6	1	38478995	38479064	38.48	5.00E-09	LOC350835
CL388905	RP44_285L24	T7	1	38650381	38650467	38.65	9.00E-10	NA
CL326149	RP44_243I1	T7	1	39027201	39027246	39.03	7.00E-07	MACF1
CL374704	RP44_470J17	T7	1	39036397	39036680	39.04	6.00E-42	MACF1

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CL338462	RP44_266M19	SP6	1	39167739	39167994	39.17	1.00E-53	MACF1
CL326228	RP44_243I1	SP6	1	39206911	39206963	39.21	6.00E-06	MACF1
CL336082	RP44_255C19	SP6	1	39334152	39334481	39.33	2.00E-52	MACF1
CL334554	RP44_251P17	SP6	1	39415344	39415694	39.42	2.00E-46	MACF1
CL376704	RP44_445O23	SP6	1	39456746	39688113	39.57	2.00E-08	BMP8
CL413930	RP44_435K12	SP6	1	39456749	39688110	39.57	1.00E-06	BMP8
CL326698	RP44_244A21	SP6	1	39619395	39619463	39.62	5.00E-06	HPCAL4
CL326629	RP44_244A21	T7	1	39804818	39805004	39.80	1.00E-13	IPT
CL337485	RP44_264J21	SP6	1	39835020	39835251	39.84	5.00E-60	NA
CL352649	RP44_401B5	SP6	1	40197617	40197771	40.20	8.00E-55	ZMPSTE24
CL371835	RP44_304D19	SP6	1	40481532	40482547	40.48	8.00E-09	LOC350837
CL376028	RP44_443C5	T7	1	41113837	41113912	41.11	5.00E-06	SCMH1
CL384056	RP44_327P6	SP6	1	41703838	41704401	41.70	2.00E-15	HIVEP3
CL339941	RP44_256H21	SP6	1	41864151	41864234	41.86	4.00E-10	LOC350838
CL411560	RP44_422A14	SP6	1	41945031	41945263	41.95	1.00E-23	LOC343553
CL360871	RP44_343G7	T7	1	42290959	42291093	42.29	1.00E-09	NA
CL335300	RP44_253C20	T7	1	42401167	42401520	42.40	1.00E-06	FLJ20972
CL373535	RP44_457J1	T7	1	42401167	42401520	42.40	1.00E-06	FLJ20972
CL336808	RP44_263P15	T7	1	42571604	42571755	42.57	1.00E-12	FLJ20972
CL336887	RP44_263P15	SP6	1	42772144	42772443	42.77	3.00E-25	ERMAP
CL328558	RP44_248F24	T7	1	43172594	43172674	43.17	5.00E-06	NA
CL328585	RP44_248L24	T7	1	43172594	43172674	43.17	4.00E-06	NA
CL389127	RP44_286K21	SP6	1	43376363	43376442	43.38	1.00E-10	NA
CL362489	RP44_377M20	SP6	1	44113372	44113975	44.11	2.00E-43	DMAP1
CL351775	RP44_313K14	SP6	1	44227887	44228272	44.23	6.00E-58	PRNPIP
CL372187	RP44_305K21	SP6	1	44228077	44228272	44.23	2.00E-25	PRNPIP
CL362410	RP44_377M20	T7	1	44266587	44266908	44.27	3.00E-08	NA
CL343310	RP44_276N21	T7	1	44297512	44297977	44.30	1.00E-25	NA
CL334114	RP44_251E5	T7	1	44310718	44311348	44.31	6.00E-46	LOC343518
CL330752	CH242_4L16	T7	1	44375237	44375312	44.38	2.00E-08	LOC343518
CL363362	RP44_383H21	SP6	1	44479274	44479387	44.48	2.00E-06	LOC343519
CL331138	CH242_6J15	SP6	1	44514808	44515153	44.51	e-156	LOC343519
CL342704	RP44_262N1	SP6	1	44593633	44593749	44.59	5.00E-35	LOC339541
CL348756	RP44_275C22	T7	1	45364386	45364743	45.36	1.00E-07	TESK2
CL409212	RP44_416P14	SP6	1	46342565	46342691	46.34	6.00E-13	NA
CL388835	RP44_285K18	SP6	1	46374706	46374879	46.37	8.00E-51	LOC343525
CL371991	RP44_304B18	SP6	1	46420303	46420685	46.42	8.00E-36	MKMK1
CL347624	RP44_272D4	SP6	1	46435349	46435419	46.44	1.00E-09	MKMK1
CL344402	RP44_278N13	T7	1	46435349	46435505	46.44	3.00E-32	MKMK1
CL413405	RP44_433G20	T7	1	46554252	46554350	46.55	2.00E-09	KIAA0494
CL387973	RP44_284I15	T7	1	47007964	47008021	47.01	1.00E-11	DD96
CL439749	RP44_297J3	SP6	1	47138289	47138626	47.14	1.00E-31	SIL
CL330310	CH242_3N23	SP6	1	47248041	47248131	47.25	7.00E-12	NA
CL408417	RP44_415E20	SP6	1	47533786	47533887	47.53	7.00E-18	NA
CL334659	RP44_251J16	SP6	1	47806446	47806562	47.81	4.00E-15	LOC284543
CL326998	RP44_244D2	SP6	1	48404943	48405048	48.40	2.00E-11	FLJ14442
CL389970	RP44_287L8	T7	1	48476945	48477004	48.48	5.00E-08	FLJ14442
CL326065	RP44_242H10	SP6	1	48618368	48618430	48.62	2.00E-07	FLJ14442
CL346050	RP44_269N9	T7	1	48708640	48708763	48.71	2.00E-20	FLJ14442
CL361674	RP44_351M1	SP6	1	48740378	48740556	48.74	8.00E-55	FLJ14442
CL361589	RP44_351M1	T7	1	48740378	48740556	48.74	8.00E-55	FLJ14442
CL340736	RP44_258F19	T7	1	48946653	48946734	48.95	1.00E-13	FLJ14442
CL378084	RP44_423A2	T7	1	48979181	48979339	48.98	5.00E-18	FLJ14442
CL387595	RP44_281L9	SP6	1	49289928	49290392	49.29	2.00E-39	FLJ14442
CL333258	RP44_249A14	T7	1	49310701	49310812	49.31	9.00E-13	FLJ14442
CL378737	RP44_425C23	T7	1	49410852	49410884	49.41	6.00E-06	FLJ14442
CL349819	RP44_309D22	SP6	1	49730219	49730315	49.73	8.00E-18	FLJ14442
CL330288	CH242_3J23	SP6	1	49791984	49792706	49.79	7.00E-12	FLJ14442
CL336001	RP44_255C9	T7	1	49798357	49798428	49.80	9.00E-08	FLJ14442
CL344768	RP44_279G21	SP6	1	49798853	49799506	49.80	e-130	FLJ14442
CL344752	RP44_279C23	SP6	1	49798853	49799517	49.80	e-136	FLJ14442
CL367235	RP44_365O21	T7	1	49890410	49890877	49.89	2.00E-08	NA
CL330313	CH242_3P7	SP6	1	49891182	67732660	58.81	2.00E-43	NA
CL414393	RP44_436P23	T7	1	49925728	68364918	59.15	3.00E-15	NA
CL353338	RP44_402L14	SP6	1	49968078	49968176	49.97	3.00E-07	ELAVL4

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL372692	RP44_306N15	SP6	1	49975390	49975539	49.98	2.00E-21	ELAVL4
CL344677	RP44_279C23	T7	1	50024137	50024204	50.02	4.00E-10	ELAVL4
CL344693	RP44_279G21	T7	1	50024137	50024240	50.02	1.00E-19	ELAVL4
CL339405	RP44_268L22	T7	1	50201430	50201536	50.20	4.00E-10	NA
CL339480	RP44_268L22	SP6	1	50406770	50407008	50.41	3.00E-57	FAF1
CL341978	RP44_261H23	T7	1	51120278	51120381	51.12	3.00E-29	C1orf34
CL345716	RP44_280D21	SP6	1	51269134	51269377	51.27	6.00E-46	EPS15
CL355202	RP44_409M16	T7	1	51272117	51272615	51.27	e-104	EPS15
CL379954	RP44_428K8	SP6	1	51543606	51543865	51.54	6.00E-12	OSBPL9
CL350125	RP44_310A18	SP6	1	51580491	51581067	51.58	1.00E-59	OSBPL9
CL380092	RP44_428H1	SP6	1	51637440	51637509	51.64	6.00E-09	NRD1
CL383889	RP44_327K4	SP6	1	51876215	51876490	51.88	1.00E-16	TLP19
CL385154	RP44_330I12	T7	1	52085995	52086097	52.09	2.00E-09	MADHIP
CL413691	RP44_435A15	T7	1	52104150	52104273	52.10	3.00E-10	MADHIP
CL331399	CH242_7N21	T7	1	52544683	52544737	52.54	1.00E-06	NA
CL365024	RP44_400G8	SP6	1	53035291	53035527	53.04	3.00E-68	CPT2
CL411282	RP44_420L15	SP6	1	53074930	53075078	53.08	1.00E-46	LRP8
CL356609	RP44_411F18	T7	1	53092233	53092411	53.09	6.00E-06	LRP8
CL385282	RP44_330F5	T7	1	53103833	53104088	53.10	7.00E-15	LRP8
CL385349	RP44_330F5	SP6	1	53261291	53261533	53.26	7.00E-11	NA
CL335929	RP44_254D8	SP6	1	53450924	53451111	53.45	3.00E-50	FLJ36155
CL349515	RP44_309C24	SP6	1	53554202	53554303	53.55	2.00E-20	FLJ36155
CL373619	RP44_457L2	T7	1	54008381	54008554	54.01	6.00E-11	LOC200008
CL376807	RP44_445D19	SP6	1	54008764	54008869	54.01	2.00E-09	LOC200008
CL390306	RP44_288O14	T7	1	54146759	54146923	54.15	5.00E-40	SSBP3
CL365727	RP44_355P9	T7	1	54173778	54174082	54.17	e-111	SSBP3
CL341036	RP44_259G12	T7	1	54523665	54523868	54.52	7.00E-63	TTC4
CL366944	RP44_363M17	T7	1	54753633	54753665	54.75	7.00E-06	NA
CL326760	RP44_244O13	SP6	1	54796694	54797053	54.80	3.00E-11	NA
CL366190	RP44_358H15	T7	1	55027093	55027204	55.03	2.00E-06	NA
CL333404	RP44_249H22	T7	1	55036454	55036812	55.04	5.00E-16	NA
CL321530	CH242_20P4	T7	1	55206274	55206511	55.21	1.00E-40	LOC127410
CL412262	RP44_430H2	T7	1	55231530	55231585	55.23	8.00E-08	LOC127410
CL413473	RP44_433E4	SP6	1	55739860	55740313	55.74	2.00E-52	NA
CL367824	RP44_372D21	SP6	1	55779338	55779430	55.78	6.00E-06	LOC343197
CL371834	RP44_304D17	SP6	1	55798206	55798578	55.80	7.00E-37	LOC343197
CL362216	RP44_375D24	T7	1	55922155	55922348	55.92	2.00E-63	LOC127406
CL338512	RP44_266I12	T7	1	55923209	55923263	55.92	4.00E-07	LOC127406
CL338594	RP44_266I12	SP6	1	56110482	56110527	56.11	1.00E-06	LOC343200
CL363640	RP44_388J14	SP6	1	56396365	56396553	56.40	7.00E-10	PPAP2B
CL329937	CH242_3G23	SP6	1	56467224	56467262	56.47	4.00E-07	NA
CL357646	RP44_413O10	SP6	1	56497760	56498064	56.50	6.00E-71	PRKAA2
CL328581	RP44_248L10	T7	1	56653088	56653368	56.65	2.00E-52	LOC343201
CL369462	RP44_291E10	T7	1	56985856	56985990	56.99	5.00E-24	DAB1
CL374452	RP44_470K7	SP6	1	57082284	57082465	57.08	1.00E-06	DAB1
CL364923	RP44_400A16	T7	1	57274613	57274902	57.27	5.00E-14	DAB1
CL324833	RP44_478H1	T7	1	57681753	57681824	57.68	4.00E-08	DAB1
CL352004	RP44_313H18	T7	1	58057171	58057265	58.06	4.00E-31	DAB1
CL439672	RP44_297H21	T7	1	58233573	58233649	58.23	9.00E-16	NA
CL352089	RP44_313H18	SP6	1	58248440	58248507	58.25	9.00E-08	NA
CL345311	RP44_280G1	T7	1	58294861	58295446	58.30	1.00E-07	LOC115209
CL336689	RP44_263G18	SP6	1	58368771	58369297	58.37	e-125	LOC115209
CL332623	CH242_12K21	SP6	1	58418584	58418846	58.42	9.00E-45	NA
CL363988	RP44_393O20	T7	1	58483280	58483394	58.48	5.00E-22	KIAA1915
CL358266	RP44_414O12	SP6	1	58593119	58593508	58.59	2.00E-72	NA
CL343849	RP44_277K6	SP6	1	58679148	58679214	58.68	2.00E-09	LOC350708
CL343772	RP44_277K6	T7	1	58886655	58886695	58.89	3.00E-08	NA
CL329620	RP44_394N5	SP6	1	58974392	58974478	58.97	2.00E-07	LOC343207
CL383425	RP44_326C20	SP6	1	59048207	59048327	59.05	2.00E-15	LOC343208
CL374168	RP44_469D14	T7	1	59065634	59066130	59.07	e-107	NA
CL355305	RP44_409B19	T7	1	59216199	59216609	59.22	e-144	FLJ10986
CL336921	RP44_263H6	T7	1	59307006	59307093	59.31	1.00E-17	FLJ10986
CL363615	RP44_388D16	SP6	1	59346440	59346898	59.35	5.00E-78	FLJ10986
CL388909	RP44_285N12	T7	1	59490633	59490846	59.49	5.00E-42	FLJ10986
CL377269	RP44_449L9	T7	1	59567108	59567163	59.57	2.00E-17	FLJ10986

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL378663	RP44_424D6	SP6	1	59735085	59735151	59.74	1.00E-16	CYP2J2
CL375427	RP44_471H5	SP6	1	59848351	59848880	59.85	2.00E-30	MGC34837
CL386829	RP44_335A17	T7	1	59901861	59902359	59.90	2.00E-24	LOC343210
CL342758	RP44_262F24	T7	1	60037661	60037806	60.04	1.00E-28	NA
CL338069	RP44_265P21	T7	1	60087364	60087524	60.09	2.00E-06	NA
CL331934	CH242_9M9	SP6	1	60350767	60350980	60.35	1.00E-12	LOC343211
CL387829	RP44_283K15	T7	1	60689837	60690357	60.69	e-102	LOC343213
CL331320	CH242_7M14	SP6	1	60774493	60774906	60.77	1.00E-74	LOC343214
CL387353	RP44_281K12	T7	1	60844422	60844689	60.84	3.00E-35	LOC343214
CL386099	RP44_332H2	SP6	1	60878749	60878931	60.88	1.00E-42	NA
CL343306	RP44_276N13	T7	1	60913170	60913501	60.91	8.00E-95	NFIA
CL386023	RP44_332H2	T7	1	61048059	61048372	61.05	1.00E-61	NFIA
CL373387	RP44_308L1	T7	1	61051854	61052407	61.05	2.00E-09	NFIA
CL367650	RP44_372I15	T7	1	61052685	61052799	61.05	2.00E-17	NFIA
CL381562	RP44_316G11	T7	1	61066293	61066626	61.07	5.00E-34	NFIA
CL366442	RP44_358P22	SP6	1	61097400	61097672	61.10	9.00E-73	NFIA
CL343194	RP44_276G4	SP6	1	61166418	61166666	61.17	1.00E-10	NFIA
CL357292	RP44_412J4	SP6	1	61203767	61203995	61.20	2.00E-22	NFIA
CL374929	RP44_470F18	SP6	1	61245650	61245720	61.25	1.00E-09	NFIA
CL376772	RP44_445N13	T7	1	61249534	61249976	61.25	1.00E-92	NFIA
CL366374	RP44_358P22	T7	1	61267054	61267407	61.27	1.00E-10	NFIA
CL357809	RP44_413P21	SP6	1	61463073	61463478	61.46	1.00E-16	NA
CL413285	RP44_432B8	SP6	1	61463180	61463478	61.46	1.00E-09	NA
CL351768	RP44_313I24	SP6	1	61614952	61615639	61.62	2.00E-27	INADL
CL328107	RP44_248I21	T7	1	61814457	61814526	61.81	5.00E-09	INADL
CL336415	RP44_262P12	T7	1	61881428	61881884	61.88	3.00E-23	INADL
CL340438	RP44_257D11	T7	1	61986823	61986879	61.99	3.00E-08	INADL
CL372672	RP44_306J19	SP6	1	62102775	62102818	62.10	8.00E-08	LOC163782
CL370300	RP44_295A21	SP6	1	62108811	62108943	62.11	2.00E-29	LOC163782
CL413811	RP44_435O9	SP6	1	62302785	62302833	62.30	9.00E-11	KIAA1771
CL339962	RP44_256N9	SP6	1	62333888	62334092	62.33	2.00E-51	KIAA1771
CL375488	RP44_471D14	T7	1	62338984	62339021	62.34	1.00E-06	KIAA1771
CL349032	RP44_275H13	SP6	1	62361261	62361478	62.36	4.00E-78	KIAA1771
CL349071	RP44_275P5	SP6	1	62361261	62361478	62.36	3.00E-78	KIAA1771
CL336160	RP44_255D11	T7	1	62361261	62361478	62.36	3.00E-78	KIAA1771
CL370959	RP44_300J21	SP6	1	62407078	62407162	62.41	5.00E-18	NA
CL348949	RP44_275H13	T7	1	62555901	62555983	62.56	5.00E-19	LOC343216
CL348989	RP44_275P5	T7	1	62555901	62555983	62.56	4.00E-19	LOC343216
CL361901	RP44_353K15	T7	1	62622597	62622694	62.62	2.00E-18	AUTL1
CL389733	RP44_287K15	SP6	1	62674147	62674176	62.67	1.00E-06	AUTL1
CL383162	RP44_325B6	T7	1	62708487	62708778	62.71	2.00E-24	NA
CL329869	CH242_3K13	T7	1	62741916	62742358	62.74	0	LOC343217
CL340096	RP44_256L2	SP6	1	62761738	62762262	62.76	e-130	LOC343217
CL381812	RP44_316M14	SP6	1	62767566	62767606	62.77	4.00E-06	LOC343217
CL325401	RP44_241B7	T7	1	62788329	62788476	62.79	4.00E-25	LOC343217
CL350687	RP44_311E16	T7	1	62994378	62994528	62.99	1.00E-10	LOC199899
CL377412	RP44_449H12	T7	1	63071259	63071304	63.07	1.00E-06	LOC199899
CL360923	RP44_343A13	SP6	1	63313414	63313616	63.31	2.00E-11	ITGB3BP
CL358312	RP44_414J5	T7	1	63332381	63332777	63.33	e-167	ITGB3BP
CL358027	RP44_414K5	T7	1	63332669	63332777	63.33	4.00E-37	ITGB3BP
CL375033	RP44_471K11	T7	1	63378026	63378066	63.38	2.00E-08	ITGB3BP
CL331223	CH242_7I24	T7	1	63669658	63669977	63.67	4.00E-66	ROR1
CL327291	RP44_245G14	SP6	1	63685432	63686053	63.69	2.00E-36	ROR1
CL410127	RP44_418H13	T7	1	63757906	63758404	63.76	7.00E-58	ROR1
CL339841	RP44_256D7	T7	1	63829457	63829913	63.83	8.00E-42	ROR1
CL412128	RP44_430J23	SP6	1	63832581	63832882	63.83	2.00E-49	ROR1
CL327224	RP44_245G14	T7	1	63837133	63837182	63.84	1.00E-06	ROR1
CL327610	RP44_246M15	SP6	1	63934817	63935321	63.94	6.00E-09	ROR1
CL414205	RP44_436K2	T7	1	64105886	64106247	64.11	1.00E-80	NA
CL376483	RP44_444F2	T7	1	64108087	64108124	64.11	1.00E-06	NA
CL411199	RP44_420L9	T7	1	64189615	64189678	64.19	2.00E-10	LOC343218
CL367141	RP44_364I21	SP6	1	65379978	65380047	65.38	1.00E-06	LEPR
CL353006	RP44_402I5	SP6	1	65473454	65473482	65.47	6.00E-06	NA
CL367066	RP44_364I21	T7	1	65635524	65635888	65.64	9.00E-36	PDE4B
CL386916	RP44_335C21	SP6	1	65662212	65662490	65.66	3.00E-29	PDE4B

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL331710	CH242_8P17	T7	1	65872666	65872869	65.87	2.00E-08	PDE4B
CL362981	RP44_383G21	T7	1	66066085	66066182	66.07	6.00E-18	PDE4B
CL368495	RP44_289M9	SP6	1	66116330	66116728	66.12	9.00E-70	PDE4B
CL363065	RP44_383G21	SP6	1	66238404	66238456	66.24	9.00E-11	NA
CL348812	RP44_275M24	T7	1	66412127	66412755	66.41	3.00E-23	DKFZp761D221
CL327412	RP44_245D1	SP6	1	66417281	66417494	66.42	7.00E-30	DKFZp761D221
CL330946	CH242_6A23	SP6	1	66449274	66450715	66.45	1.00E-10	DKFZp761D221
CL369466	RP44_291E20	T7	1	66468874	66469174	66.47	1.00E-07	DKFZp761D221
CL389616	RP44_287A7	T7	1	66483733	66484129	66.48	1.00E-37	DKFZp761D221
CL341035	RP44_259G10	T7	1	66514002	66514406	66.51	3.00E-94	DKFZp761D221
CL381067	RP44_314H20	T7	1	66514002	66514406	66.51	3.00E-94	DKFZp761D221
CL372768	RP44_306L24	T7	1	66518257	66518780	66.52	3.00E-94	DKFZp761D221
CL333233	RP44_249K23	SP6	1	66581698	66581973	66.58	3.00E-13	FLJ40873
CL372849	RP44_306L24	SP6	1	66689159	66689285	66.69	2.00E-09	FLJ23129
CL355720	RP44_410A4	T7	1	66689159	66689285	66.69	1.00E-09	FLJ23129
CL408900	RP44_416G21	SP6	1	66751939	66752217	66.75	3.00E-60	MI-ER1
CL365666	RP44_355B13	T7	1	66754119	66754198	66.75	5.00E-11	MI-ER1
CL349503	RP44_309A8	SP6	1	67097744	67097910	67.10	6.00E-12	NA
CL338111	RP44_265J9	SP6	1	67109949	67110004	67.11	1.00E-07	NA
CL345332	RP44_280I23	T7	1	67532993	67533135	67.53	3.00E-14	GNG12
CL370895	RP44_300P1	T7	1	67566901	67566948	67.57	8.00E-08	GNG12
CL335415	RP44_253B3	T7	1	67618894	67619013	67.62	1.00E-22	GNG12
CL389548	RP44_286D14	SP6	1	67650778	67651368	67.65	4.00E-50	GNG12
CL389211	RP44_286M6	T7	1	67652812	67652931	67.65	6.00E-15	GNG12
CL345431	RP44_280I23	SP6	1	67711777	67712277	67.71	2.00E-68	NA
CL335486	RP44_253B3	SP6	1	67786518	67786624	67.79	1.00E-09	NA
CL413182	RP44_432I15	SP6	1	67917314	67917442	67.92	2.00E-14	NA
CL329491	RP44_394O8	T7	1	67956353	67956413	67.96	2.00E-08	FLJ23091
CL329492	RP44_394O8	SP6	1	68144315	68145899	68.15	5.00E-09	NA
CL410778	RP44_419B8	SP6	1	68288628	68288696	68.29	9.00E-16	NA
CL372095	RP44_305G1	T7	1	68491272	68491349	68.49	5.00E-06	NA
CL372168	RP44_305G1	SP6	1	68734344	68734605	68.73	9.00E-41	LOC350711
CL338419	RP44_266E19	SP6	1	69178592	69178676	69.18	1.00E-07	NA
CL328925	RP44_382B9	SP6	1	69293812	69293882	69.29	7.00E-12	LOC350734
CL338339	RP44_266E19	T7	1	69405133	69405413	69.41	4.00E-32	NA
CL323933	RP44_463M21	T7	1	69507739	69507821	69.51	3.00E-12	LOC350735
CL351093	RP44_311H6	SP6	1	69523725	69524016	69.52	4.00E-84	LOC350735
CL348987	RP44_275P1	T7	1	69703170	69703369	69.70	5.00E-24	KIAA1365
CL327990	RP44_246B20	SP6	1	69704194	69704238	69.70	5.00E-06	KIAA1365
CL353926	RP44_405G3	T7	1	69721499	69721559	69.72	2.00E-08	KIAA1365
CL382144	RP44_323D17	T7	1	69729062	69729122	69.73	4.00E-06	KIAA1365
CL326223	RP44_243G13	SP6	1	69779531	69781945	69.78	3.00E-20	KIAA1365
CL356248	RP44_411K3	T7	1	69874320	69874652	69.87	9.00E-13	KIAA1365
CL353993	RP44_405G3	SP6	1	69908095	69908206	69.91	5.00E-06	KIAA1365
CL342994	RP44_276A23	SP6	1	69924838	69925306	69.93	7.00E-09	KIAA1365
CL327911	RP44_246B20	T7	1	69925249	69925306	69.93	5.00E-09	KIAA1365
CL333189	RP44_249A23	SP6	1	69943918	69943952	69.94	2.00E-07	KIAA1365
CL332769	CH242_12G6	SP6	1	69961509	69962013	69.96	7.00E-18	KIAA1365
CL372719	RP44_306D6	T7	1	70787027	70787231	70.79	4.00E-06	PTGER3
CL365126	RP44_400L17	T7	1	71050406	71051119	71.05	3.00E-14	NA
CL383711	RP44_327E11	SP6	1	71150317	71150671	71.15	7.00E-57	LOC343293
CL412738	RP44_431B17	T7	1	71157568	71158006	71.16	3.00E-11	LOC343293
CL365211	RP44_400L17	SP6	1	71279932	71280130	71.28	8.00E-27	MGC46680
CL349103	RP44_275F18	T7	1	71417743	71417855	71.42	3.00E-17	MGC46680
CL342933	RP44_276G3	T7	1	71449282	71449766	71.45	6.00E-55	MGC46680
CL368985	RP44_289N16	SP6	1	71472966	71473365	71.47	7.00E-12	MGC46680
CL387533	RP44_281P13	T7	1	71482140	71482296	71.48	2.00E-15	MGC46680
CL343017	RP44_276G3	SP6	1	71606878	71607251	71.61	e-102	MGC46680
CL353858	RP44_403H10	SP6	1	71629436	71629717	71.63	1.00E-25	MGC46680
CL390107	RP44_288G13	T7	1	71787313	71787765	71.79	e-117	MGC46680
CL353794	RP44_403H10	T7	1	71808457	71808846	71.81	3.00E-20	MGC46680
CL335262	RP44_253K7	SP6	1	71825525	71825606	71.83	2.00E-09	MGC46680
CL353895	RP44_403P2	SP6	1	71870076	71870399	71.87	3.00E-41	MGC46680
CL408855	RP44_416M17	T7	1	71912814	71912992	71.91	3.00E-20	MGC46680
CL333862	RP44_250P11	T7	1	72010942	72011002	72.01	2.00E-08	MGC46680

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL353788	RP44_403F12	T7	1	72103677	72103935	72.10	2.00E-52	MGC46680
CL408928	RP44_416M17	SP6	1	72109483	72109516	72.11	1.00E-06	MGC46680
CL371900	RP44_304B2	T7	1	72109912	72110124	72.11	3.00E-07	MGC46680
CL381556	RP44_316E19	T7	1	72297068	72297278	72.30	3.00E-17	NA
CL363678	RP44_389D11	SP6	1	72394332	72394944	72.39	1.00E-16	NA
CL367552	RP44_367F1	SP6	1	72486713	72487342	72.49	5.00E-71	NA
CL411341	RP44_420N18	T7	1	72591328	72591368	72.59	4.00E-06	NA
CL352733	RP44_401B14	T7	1	72696915	72697445	72.70	e-134	NA
CL373441	RP44_308H1	SP6	1	72702104	72702475	72.70	8.00E-58	NA
CL364684	RP44_398J15	T7	1	72723228	72723308	72.72	7.00E-09	NA
CL374764	RP44_470F15	SP6	1	72733826	72733959	72.73	2.00E-11	NA
CL328565	RP44_248H18	T7	1	72772484	72772805	72.77	2.00E-70	NA
CL324188	RP44_474A6	T7	1	72772920	72773661	72.77	4.00E-35	NA
CL324189	RP44_474A6	SP6	1	72919631	72920153	72.92	3.00E-33	NA
CL349958	RP44_310A11	SP6	1	72985508	72985962	72.99	1.00E-16	NA
CL365981	RP44_356D12	SP6	1	73016114	73016401	73.02	2.00E-36	NA
CL331023	CH242_6D9	T7	1	73324159	73324202	73.32	1.00E-07	NA
CL334579	RP44_251F22	T7	1	73530406	73531635	73.53	3.00E-32	NA
CL326577	RP44_243F20	SP6	1	73728083	73728184	73.73	7.00E-12	LOC350737
CL346072	RP44_269D5	SP6	1	73728083	73728184	73.73	4.00E-12	LOC350737
CL364418	RP44_396J3	T7	1	73776672	73776720	73.78	5.00E-06	LOC350737
CL334533	RP44_251L11	SP6	1	73794922	73795395	73.80	2.00E-60	LOC350737
CL348305	RP44_274H19	T7	1	73878139	73878234	73.88	5.00E-10	LOC199982
CL364482	RP44_396J3	SP6	1	73932865	73932992	73.93	3.00E-20	NA
CL334232	RP44_251K17	SP6	1	73934841	73934985	73.93	4.00E-13	NA
CL384257	RP44_328H24	T7	1	74032935	74033291	74.03	e-144	LOC127255
CL334710	RP44_252E5	T7	1	74054813	74055203	74.06	e-136	FPGT
CL356749	RP44_412E21	T7	1	74082041	74082138	74.08	7.00E-09	NA
CL331983	CH242_10G1	T7	1	74111960	74112020	74.11	6.00E-06	LOC51086
CL356561	RP44_411J9	SP6	1	74179425	74179558	74.18	2.00E-11	LOC51086
CL334790	RP44_252E5	SP6	1	74232180	74232228	74.23	5.00E-06	LOC51086
CL383102	RP44_325F15	SP6	1	74462427	74462865	74.46	7.00E-15	NA
CL411683	RP44_429D15	SP6	1	74485733	74485831	74.49	3.00E-14	NA
CL325799	RP44_242M23	SP6	1	74527819	74528142	74.53	6.00E-85	NA
CL328449	RP44_248B1	SP6	1	74905339	74905523	74.91	3.00E-11	NA
CL353097	RP44_402K16	T7	1	75053794	75054165	75.05	7.00E-42	NA
CL336525	RP44_263G17	SP6	1	75135954	75136049	75.14	1.00E-12	MGC34032
CL336307	RP44_263G17	T7	1	75328300	75328565	75.33	4.00E-09	MGC34032
CL413106	RP44_432K15	T7	1	75373361	75373805	75.37	6.00E-28	MGC34032
CL377772	RP44_457O24	T7	1	75624189	75624229	75.62	5.00E-06	ACADM
CL413191	RP44_432K15	SP6	1	75630929	75631205	75.63	5.00E-49	ACADM
CL349378	RP44_309I5	SP6	1	75949410	75949940	75.95	8.00E-24	NA
CL332909	CH242_12F10	T7	1	75960912	75960946	75.96	1.00E-09	Siat7c
CL368256	RP44_288L14	T7	1	76466190	76466353	76.47	2.00E-12	Siat7c
CL330106	CH242_3G20	SP6	1	76508651	76508977	76.51	6.00E-83	Siat7c
CL371392	RP44_302F17	SP6	1	76536242	76536313	76.54	3.00E-09	NA
CL335184	RP44_253G19	T7	1	76571628	76571975	76.57	7.00E-32	NA
CL368319	RP44_288L14	SP6	1	76606476	76606888	76.61	3.00E-26	LOC350712
CL334381	RP44_251K14	SP6	1	77034421	77034963	77.03	2.00E-49	PIGK
CL334400	RP44_251O12	SP6	1	77034421	77034963	77.03	2.00E-49	PIGK
CL334303	RP44_251K14	T7	1	77240829	77240879	77.24	4.00E-07	AK5
CL334323	RP44_251O12	T7	1	77240829	77240889	77.24	3.00E-08	AK5
CL372270	RP44_305N3	T7	1	77286261	77286397	77.29	6.00E-06	AK5
CL347914	RP44_273C24	SP6	1	77333068	77333145	77.33	3.00E-11	AK5
CL350312	RP44_310H23	SP6	1	77333068	77333145	77.33	3.00E-11	AK5
CL377323	RP44_449F19	SP6	1	77360857	77361421	77.36	4.00E-07	AK5
CL387400	RP44_281E6	SP6	1	77456583	77456662	77.46	4.00E-13	DKFZP564I052
CL329918	CH242_3E1	SP6	1	77458334	77459220	77.46	7.00E-21	DKFZP564I052
CL372351	RP44_305N3	SP6	1	77459978	77460458	77.46	3.00E-11	DKFZP564I052
CL374484	RP44_470A6	T7	1	77547509	77547585	77.55	7.00E-18	DKFZP564I052
CL320577	CH242_10J20	SP6	1	77581874	77582483	77.58	6.00E-31	VDU1
CL350323	RP44_310L5	SP6	1	77838478	77838559	77.84	2.00E-06	DNAJB4
CL376417	RP44_444D1	T7	1	77869707	77869954	77.87	1.00E-83	DNAJB4
CL327677	RP44_246M10	T7	1	78188345	78188406	78.19	2.00E-06	MGC27382
CL338843	RP44_267M14	T7	1	78593895	78594353	78.59	1.00E-90	LOC343295

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL357458	RP44_413K1	SP6	1	78609232	78609301	78.61	5.00E-09	NA
CL338916	RP44_267M14	SP6	1	78805544	78805893	78.81	3.00E-97	ETL
CL349903	RP44_310E7	T7	1	78829316	78829652	78.83	4.00E-19	ETL
CL413281	RP44_432P22	T7	1	78860620	78860995	78.86	3.00E-82	ETL
CL383782	RP44_327E12	T7	1	78879402	78879941	78.88	5.00E-13	NA
CL364266	RP44_396G8	T7	1	79054453	79054515	79.05	4.00E-07	NA
CL340291	RP44_257C18	T7	1	79113506	79114268	79.11	1.00E-55	NA
CL347299	RP44_272M4	T7	1	79187778	79187823	79.19	2.00E-06	NA
CL389272	RP44_286I8	SP6	1	79231797	79232118	79.23	1.00E-38	NA
CL379548	RP44_426P20	T7	1	79332379	79332920	79.33	5.00E-28	NA
CL379636	RP44_426P20	SP6	1	79523923	79524244	79.52	8.00E-89	NA
CL381022	RP44_314P1	SP6	1	79565961	79566044	79.57	2.00E-15	NA
CL380945	RP44_314P1	T7	1	79765243	79765420	79.77	1.00E-22	NA
CL325756	RP44_242A19	SP6	1	79938670	79938745	79.94	2.00E-08	LOC253020
CL376625	RP44_445O5	T7	1	80018474	80018532	80.02	5.00E-09	NA
CL326682	RP44_244O3	T7	1	80103161	80103433	80.10	1.00E-13	NA
CL362623	RP44_380I19	SP6	1	80103161	80103551	80.10	7.00E-15	NA
CL341991	RP44_261L5	T7	1	80135677	80136149	80.14	3.00E-45	NA
CL379970	RP44_428M20	SP6	1	80198474	80198848	80.20	7.00E-24	LOC343297
CL362547	RP44_380I19	T7	1	80283731	80283822	80.28	1.00E-07	LOC343297
CL364235	RP44_396A6	T7	1	80402548	80402620	80.40	5.00E-06	NA
CL353603	RP44_403G4	SP6	1	80446658	80446935	80.45	2.00E-46	LOC343298
CL390326	RP44_288C14	SP6	1	80522122	80522157	80.52	8.00E-08	LOC343298
CL379886	RP44_428O4	T7	1	80883118	80883874	80.88	2.00E-09	NA
CL327168	RP44_245I19	SP6	1	80996841	80996961	81.00	4.00E-10	NA
CL412278	RP44_430J14	T7	1	80996841	80996961	81.00	3.00E-10	NA
CL321047	CH242_15G10	T7	1	81072873	81073312	81.07	3.00E-17	LOC343302
CL357152	RP44_412L3	SP6	1	81120218	81120453	81.12	1.00E-45	LOC343302
CL349311	RP44_309K3	T7	1	81160521	81160913	81.16	2.00E-92	LOC343302
CL349388	RP44_309K3	SP6	1	81297283	81297381	81.30	3.00E-07	LOC350739
CL372838	RP44_306J18	SP6	1	81311098	81311354	81.31	e-130	LOC350739
CL340720	RP44_258D9	T7	1	81406105	81406240	81.41	2.00E-20	LOC343262
CL340803	RP44_258D9	SP6	1	81587272	81587400	81.59	3.00E-10	LPHH1
CL362879	RP44_380D20	SP6	1	81587272	81587400	81.59	4.00E-10	LPHH1
CL334895	RP44_252K18	T7	1	81600475	81600679	81.60	4.00E-34	LPHH1
CL320197	CH242_2K23	T7	1	81601883	81602010	81.60	3.00E-14	LPHH1
CL351195	RP44_312I21	T7	1	81720157	81720218	81.72	6.00E-09	LPHH1
CL340396	RP44_257K8	SP6	1	81732029	81732086	81.73	8.00E-14	LPHH1
CL364621	RP44_396N12	SP6	1	81732029	81732086	81.73	6.00E-14	LPHH1
CL336165	RP44_255D11	T7	1	81761755	81762282	81.76	e-122	NA
CL336860	RP44_263J21	SP6	1	81813178	81813302	81.81	2.00E-37	NA
CL348694	RP44_275G23	SP6	1	81818743	81819228	81.82	5.00E-19	NA
CL368970	RP44_289L4	SP6	1	81848560	81849146	81.85	0	NA
CL331228	CH242_7K12	T7	1	81848876	81849146	81.85	e-117	NA
CL346826	RP44_271P5	T7	1	81883498	81883971	81.88	8.00E-18	NA
CL340324	RP44_257K8	T7	1	81932381	81932770	81.93	4.00E-50	NA
CL338258	RP44_265F14	SP6	1	81943383	81943797	81.94	3.00E-63	NA
CL368888	RP44_289L4	T7	1	82002695	82003084	82.00	4.00E-66	LOC350729
CL335688	RP44_253N22	SP6	1	82031814	82031913	82.03	5.00E-22	LOC350729
CL335699	RP44_253P22	SP6	1	82031814	82031913	82.03	5.00E-22	LOC350729
CL338177	RP44_265F14	T7	1	82157571	82157685	82.16	1.00E-09	LOC350730
CL365107	RP44_400H21	T7	1	82240942	82241335	82.24	1.00E-99	NA
CL354309	RP44_406G13	SP6	1	82552164	82552264	82.55	5.00E-10	LOC350832
CL326053	RP44_242F10	SP6	1	83266095	83266539	83.27	2.00E-48	NA
CL377864	RP44_457B9	T7	1	83266801	83267499	83.27	0	NA
CL382888	RP44_325K18	T7	1	83281746	83282236	83.28	6.00E-71	NA
CL356598	RP44_411D10	T7	1	83315623	83315812	83.32	7.00E-33	NA
CL410364	RP44_419I13	T7	1	83316453	83316525	83.32	2.00E-15	NA
CL355947	RP44_410P9	T7	1	83420011	83420244	83.42	4.00E-90	LOC343111
CL410431	RP44_419I13	SP6	1	83527040	83527355	83.53	e-134	NA
CL362982	RP44_383G23	T7	1	83606008	83606423	83.61	4.00E-07	NA
CL356032	RP44_410P9	SP6	1	83613441	83614098	83.61	4.00E-26	NA
CL408858	RP44_416M23	T7	1	83639432	83639594	83.64	2.00E-21	FLJ23033
CL362874	RP44_380D10	SP6	1	83692450	83692784	83.69	9.00E-08	FLJ23033
CL362758	RP44_380J23	SP6	1	83692450	83692784	83.69	4.00E-07	FLJ23033

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL363066	RP44_383G23	SP6	1	83703863	83704094	83.70	1.00E-65	FLJ23033
CL351632	RP44_313O19	SP6	1	83798874	83798949	83.80	3.00E-17	NA
CL352773	RP44_401J2	T7	1	84100785	84101035	84.10	2.00E-14	LOC148418
CL384052	RP44_327N14	SP6	1	84129069	84129533	84.13	3.00E-17	NA
CL322204	RP44_404M11	SP6	1	84179631	84179783	84.18	4.00E-14	NA
CL325504	RP44_241H17	SP6	1	84233467	84233554	84.23	1.00E-19	RPF1
CL383981	RP44_327N14	T7	1	84286011	84286215	84.29	9.00E-30	SPATA1
CL389183	RP44_286G4	T7	1	84827474	84827552	84.83	8.00E-08	NYD-SP29
CL353132	RP44_402C10	SP6	1	85097595	85097990	85.10	3.00E-26	DDAH1
CL354106	RP44_405G24	SP6	1	85239583	85239741	85.24	6.00E-08	DDAH1
CL388045	RP44_284K5	SP6	1	85249768	85249992	85.25	5.00E-80	DDAH1
CL383105	RP44_325F21	SP6	1	85249768	85249992	85.25	5.00E-80	DDAH1
CL382714	RP44_325G21	T7	1	85249768	85250099	85.25	6.00E-80	DDAH1
CL354379	RP44_406L11	T7	1	85487969	85488197	85.49	3.00E-24	COL24A1
CL361720	RP44_351F15	T7	1	85488299	85488718	85.49	5.00E-93	COL24A1
CL323214	RP44_457D20	SP6	1	85488380	85488718	85.49	2.00E-82	COL24A1
CL358880	RP44_335G8	SP6	1	86165432	86165679	86.17	4.00E-06	NA
CL383422	RP44_326C14	SP6	1	86493077	86493198	86.49	3.00E-35	SH3GLB1
CL324912	RP44_478F2	T7	1	86963506	86963865	86.96	3.00E-35	LOC350675
CL335825	RP44_254M5	SP6	1	87031518	87031839	87.03	8.00E-20	NA
CL389538	RP44_286B12	SP6	1	87107459	87107583	87.11	3.00E-26	NA
CL389462	RP44_286B12	T7	1	87282207	87282398	87.28	2.00E-27	LOC343464
CL382484	RP44_324G9	SP6	1	87342443	87342968	87.34	e-140	LOC343464
CL355130	RP44_409M15	SP6	1	87395170	87395224	87.40	4.00E-07	LOC343464
CL361849	RP44_351P13	SP6	1	87395170	87395273	87.40	2.00E-21	LOC343464
CL333090	RP44_248N24	SP6	1	87485994	87486345	87.49	e-108	NA
CL361770	RP44_351P13	T7	1	87636460	87636923	87.64	2.00E-52	LOC350807
CL382445	RP44_324O23	T7	1	87657204	87657797	87.66	2.00E-74	LOC350807
CL388324	RP44_284D13	SP6	1	87701928	87702037	87.70	1.00E-06	LOC343465
CL380109	RP44_428J17	SP6	1	87859190	87859440	87.86	5.00E-86	LOC350808
CL413722	RP44_435G23	T7	1	87932483	87932841	87.93	e-123	LOC350808
CL389485	RP44_286F20	T7	1	87946556	87946824	87.95	4.00E-32	NA
CL380028	RP44_428J17	T7	1	88067535	88067702	88.07	2.00E-06	NA
CL350676	RP44_311C12	T7	1	88151989	88152718	88.15	2.00E-06	NA
CL377790	RP44_457C16	SP6	1	88348976	88349452	88.35	6.00E-12	NA
CL338166	RP44_265D10	T7	1	88349280	88349680	88.35	2.00E-24	NA
CL346607	RP44_271A14	T7	1	88365325	88365825	88.37	5.00E-37	LOC343467
CL346686	RP44_271A14	SP6	1	88590215	88590605	88.59	2.00E-18	PRKCL2
CL343550	RP44_276N16	SP6	1	88771717	88771811	88.77	3.00E-14	LOC56267
CL339564	RP44_255J18	T7	1	88790814	88791190	88.79	4.00E-16	LOC56267
CL323928	RP44_463M9	T7	1	88791100	88791190	88.79	3.00E-16	LOC56267
CL374975	RP44_471A3	T7	1	88817602	89222517	89.02	9.00E-38	GBP3
CL344591	RP44_278D4	SP6	1	89311836	89311864	89.31	5.00E-06	NA
CL384194	RP44_328L15	SP6	1	90115921	90116340	90.12	1.00E-50	LOC343471
CL384116	RP44_328L15	T7	1	90260455	90260974	90.26	3.00E-85	NA
CL340434	RP44_257D1	T7	1	90346057	90346287	90.35	3.00E-57	NA
CL382119	RP44_323O12	SP6	1	90534123	90534779	90.53	e-133	LOC343472
CL382035	RP44_323O12	T7	1	90720137	90720541	90.72	1.00E-53	KIAA1221
CL322848	RP44_437K19	T7	1	90741197	90741627	90.74	5.00E-92	BM-005
CL389212	RP44_286M10	T7	1	90974188	90974711	90.97	5.00E-71	NA
CL322849	RP44_437K19	SP6	1	90974219	90974654	90.97	5.00E-58	NA
CL377350	RP44_449L5	SP6	1	91418052	91418647	91.42	1.00E-34	NA
CL353018	RP44_402K15	SP6	1	91420409	91420562	91.42	7.00E-18	NA
CL338045	RP44_265L15	T7	1	91554497	91554988	91.55	2.00E-86	TGFBR3
CL387739	RP44_282I3	SP6	1	91619336	91619499	91.62	5.00E-21	TGFBR3
CL338126	RP44_265L15	SP6	1	91715705	91715907	91.72	1.00E-68	NA
CL359180	RP44_335D6	SP6	1	91716425	91716501	91.72	4.00E-06	NA
CL386935	RP44_335G13	SP6	1	91808913	91808960	91.81	2.00E-12	BRDT
CL365569	RP44_354I1	T7	1	91808913	91808960	91.81	3.00E-09	BRDT
CL379587	RP44_426H10	SP6	1	92048544	92048733	92.05	5.00E-52	LOC148289
CL379501	RP44_426H10	T7	1	92273526	92273578	92.27	2.00E-06	LOC286636
CL411487	RP44_422A16	T7	1	92341180	92341549	92.34	2.00E-83	NA
CL383412	RP44_326A10	SP6	1	92357670	92357764	92.36	1.00E-09	NA
CL411418	RP44_421D20	SP6	1	92368131	92368191	92.37	6.00E-06	NA
CL342459	RP44_262M8	T7	1	92368131	92368191	92.37	6.00E-06	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL377189	RP44_449K6	SP6	1	92507613	92507873	92.51	2.00E-89	NA
CL357011	RP44_412O12	SP6	1	93341545	93341744	93.34	5.00E-15	NA
CL347070	RP44_271P10	SP6	1	93432204	93432546	93.43	3.00E-51	BCAR3
CL359580	RP44_337O11	T7	1	93451775	93452003	93.45	8.00E-68	BCAR3
CL388544	RP44_284P22	SP6	1	93627103	93627186	93.63	7.00E-08	BCAR3
CL378664	RP44_424D8	SP6	1	93689223	93689356	93.69	6.00E-40	HSU15552
CL353260	RP44_402D11	T7	1	93871365	93871413	93.87	7.00E-11	ABCA4
CL362818	RP44_380H8	T7	1	93896524	93897047	93.90	6.00E-89	ABCA4
CL373816	RP44_469O15	SP6	1	93897565	93898045	93.90	1.00E-13	ABCA4
CL352049	RP44_313P24	T7	1	93943189	93943482	93.94	6.00E-06	NA
CL373727	RP44_469O15	T7	1	94066651	94066787	94.07	1.00E-50	LOC343102
CL352131	RP44_313P24	SP6	1	94132384	94132571	94.13	1.00E-41	LOC126971
CL344244	RP44_278O2	T7	1	94201749	94202456	94.20	5.00E-07	NA
CL414306	RP44_436O6	SP6	1	94647387	94647704	94.65	3.00E-53	MGC45474
CL328685	RP44_370H18	T7	1	94840054	94840142	94.84	5.00E-18	MGC19780
CL349281	RP44_309E5	T7	1	95050142	95050642	95.05	2.00E-12	FLJ31842
CL375114	RP44_471I23	SP6	1	95137349	95137565	95.14	5.00E-15	NA
CL346059	RP44_269P9	T7	1	95158850	95159023	95.16	9.00E-28	NA
CL371313	RP44_302F23	T7	1	95181172	95181346	95.18	5.00E-40	LOC343224
CL350685	RP44_311E12	T7	1	95491775	95492133	95.49	2.00E-39	LOC348381
CL350736	RP44_311O14	T7	1	95491775	95492172	95.49	2.00E-39	LOC348381
CL362575	RP44_380O17	T7	1	95538138	95538218	95.54	1.00E-10	LOC348381
CL324676	RP44_476I22	T7	1	95578749	95578968	95.58	5.00E-33	LOC348381
CL369294	RP44_290G22	SP6	1	95621671	95621719	95.62	6.00E-06	LOC348381
CL333641	RP44_250M17	SP6	1	95726192	95726657	95.73	3.00E-36	NA
CL369205	RP44_290G22	T7	1	95873117	95873516	95.87	4.00E-13	LOC284555
CL356152	RP44_410H2	SP6	1	95893320	95893715	95.89	2.00E-45	LOC350714
CL366222	RP44_358N19	T7	1	96041003	96041615	96.04	e-179	NA
CL339684	RP44_256A19	T7	1	96216490	96216693	96.22	2.00E-48	NA
CL381724	RP44_316G6	T7	1	96450116	96450143	96.45	1.00E-05	NA
CL332468	CH242_10P19	SP6	1	96540113	96540204	96.54	4.00E-10	PTBP2
CL374075	RP44_469B9	SP6	1	96761211	96761481	96.76	2.00E-11	NA
CL378956	RP44_425O18	T7	1	96804426	96805054	96.80	e-148	NA
CL350191	RP44_310O6	SP6	1	96894022	96894096	96.89	7.00E-12	DPYD
CL333646	RP44_250O7	SP6	1	96897208	96897257	96.90	6.00E-09	DPYD
CL377834	RP44_457K22	SP6	1	96960353	96960671	96.96	7.00E-09	DPYD
CL367207	RP44_365I17	T7	1	97023178	97023539	97.02	2.00E-08	DPYD
CL374491	RP44_470A20	T7	1	97079236	97079315	97.08	4.00E-10	DPYD
CL333578	RP44_250O7	T7	1	97110044	97110197	97.11	2.00E-09	DPYD
CL333948	RP44_250B24	T7	1	97188817	97189282	97.19	3.00E-32	DPYD
CL389738	RP44_287M1	SP6	1	97487051	97487219	97.49	3.00E-17	NA
CL411328	RP44_420H22	T7	1	97513154	97513476	97.51	2.00E-78	NA
CL389668	RP44_287M1	T7	1	97534979	97535536	97.54	e-168	NA
CL352435	RP44_401M21	SP6	1	97608767	97609084	97.61	5.00E-74	NA
CL324729	RP44_477N3	SP6	1	97630750	97631069	97.63	5.00E-21	LOC343228
CL345288	RP44_280A17	T7	1	97790840	97790979	97.79	3.00E-08	NA
CL363825	RP44_392I20	T7	1	97800573	97801204	97.80	0	NA
CL440255	RP44_300M7	T7	1	97817971	97818293	97.82	6.00E-42	NA
CL324748	RP44_477P17	T7	1	97818420	97818716	97.82	e-142	NA
CL338153	RP44_265B6	T7	1	98148744	98148830	98.15	2.00E-07	NA
CL351750	RP44_313G4	SP6	1	98290925	98290994	98.29	7.00E-09	NA
CL367680	RP44_372A7	SP6	1	98290925	98290994	98.29	3.00E-11	NA
CL340780	RP44_258P3	T7	1	98757318	98757461	98.76	6.00E-12	LOC163404
CL334372	RP44_251I12	SP6	1	98760471	98760634	98.76	2.00E-08	LOC163404
CL328471	RP44_248F23	SP6	1	99050718	99050782	99.05	7.00E-14	KIAA0455
CL389837	RP44_287O18	T7	1	99061725	99062101	99.06	1.00E-19	KIAA0455
CL376771	RP44_445N11	T7	1	99189573	99189676	99.19	5.00E-06	NA
CL351677	RP44_313G18	T7	1	99250482	99250895	99.25	2.00E-11	NA
CL389922	RP44_287O18	SP6	1	99281340	99281465	99.28	2.00E-21	NA
CL387044	RP44_335M16	T7	1	99282299	99282429	99.28	2.00E-12	NA
CL376859	RP44_445N11	SP6	1	99359229	99359284	99.36	4.00E-06	NA
CL351589	RP44_313G17	SP6	1	99380066	99380175	99.38	7.00E-09	NA
CL358912	RP44_335M16	SP6	1	99446980	99447478	99.45	6.00E-12	PALMD
CL321261	CH242_15L19	T7	1	99492298	99492402	99.49	1.00E-19	NA
CL326161	RP44_243K3	T7	1	99864279	99864639	99.86	5.00E-30	DKFzP761A078

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CL369076	RP44_290O11	T7	1	99868516	99868678	99.87	2.00E-14	DKFZp761A078
CL359211	RP44_335J12	SP6	1	99875638	99875865	99.88	1.00E-43	DKFZp761A078
CL359242	RP44_335P14	SP6	1	99875638	99875865	99.88	2.00E-43	DKFZp761A078
CL356015	RP44_410L17	SP6	1	99905005	99905417	99.91	3.00E-10	MGC14816
CL336258	RP44_255H13	SP6	1	99945377	99945595	99.95	1.00E-25	NA
CL354754	RP44_408K22	T7	1	99946111	99946196	99.95	6.00E-09	NA
CL413123	RP44_432O9	T7	1	100033991	100035214	100.03	1.00E-22	RTCD1
CL354819	RP44_408K22	SP6	1	100185259	100185288	100.19	1.00E-06	CDC14A
CL375310	RP44_471O10	SP6	1	100515785	100516247	100.52	6.00E-43	NA
CL344413	RP44_278P13	T7	1	100731539	100732047	100.73	7.00E-49	SLC30A7
CL344497	RP44_278P13	SP6	1	100896931	100897262	100.90	4.00E-07	NA
CL359260	RP44_336D11	T7	1	100992378	100992430	100.99	4.00E-13	NA
CL370840	RP44_300D19	T7	1	101158961	101159322	101.16	1.00E-31	LOC343124
CL377332	RP44_449H13	SP6	1	101329798	101330136	101.33	3.00E-48	NA
CL384400	RP44_329C15	T7	1	101380423	101380542	101.38	2.00E-09	NA
CL384449	RP44_329M9	T7	1	101380423	101380542	101.38	2.00E-09	NA
CL381564	RP44_316G15	T7	1	101426961	101427037	101.43	6.00E-06	NA
CL377251	RP44_449H13	T7	1	101556855	101556990	101.56	2.00E-15	NA
CL363755	RP44_389H1	T7	1	101606349	101606420	101.61	3.00E-17	OLFM3
CL372250	RP44_305J7	T7	1	101612322	101612586	101.61	2.00E-42	OLFM3
CL364165	RP44_396C17	SP6	1	101700564	101700624	101.70	3.00E-13	OLFM3
CL372334	RP44_305J7	SP6	1	101806589	101806898	101.81	3.00E-23	NA
CL355614	RP44_410E7	T7	1	102259297	102259403	102.26	6.00E-12	NA
CL327293	RP44_245G18	SP6	1	102323076	102323121	102.32	1.00E-06	NA
CL363260	RP44_383O24	SP6	1	102549494	102549731	102.55	e-104	NA
CL380514	RP44_429C18	T7	1	102633706	102634312	102.63	e-106	COL11A1
CL367408	RP44_367I6	SP6	1	103054109	103054142	103.05	2.00E-06	NA
CL367331	RP44_367I6	T7	1	103280456	103462182	103.37	8.00E-15	AMY1A
CL337020	RP44_263L6	SP6	1	103297041	103476165	103.39	8.00E-45	AMY1A
CL346373	RP44_270F3	SP6	1	103753619	103753693	103.75	4.00E-07	NA
CL378439	RP44_424G20	SP6	1	103848727	103848802	103.85	3.00E-17	NA
CL326878	RP44_244G22	SP6	1	103853835	103854028	103.85	2.00E-09	NA
CL357678	RP44_413F15	T7	1	103973935	103974014	103.97	9.00E-08	NA
CL388321	RP44_284D7	SP6	1	104461427	104461712	104.46	1.00E-83	NA
CL372869	RP44_306P20	SP6	1	104461427	104461926	104.46	e-117	NA
CL333838	RP44_250J19	T7	1	104836096	104836345	104.84	2.00E-15	LOC350685
CL342766	RP44_262H16	T7	1	104836096	104836345	104.84	7.00E-18	LOC350685
CL342016	RP44_261P21	T7	1	104836233	104836345	104.84	2.00E-10	LOC350685
CL324526	RP44_475O19	T7	1	104943141	104943248	104.94	1.00E-17	LOC350685
CL340987	RP44_258L16	SP6	1	105151855	105151914	105.15	9.00E-08	NA
CL361352	RP44_350E23	SP6	1	106204586	106204816	106.20	9.00E-67	NA
CL361277	RP44_350E23	T7	1	106204586	106204816	106.20	9.00E-67	NA
CL361331	RP44_350A21	SP6	1	106204662	106204816	106.20	8.00E-24	NA
CL320964	CH242_15M15	SP6	1	106267412	106267868	106.27	3.00E-08	LOC350688
CL388265	RP44_284H17	T7	1	106357580	106357744	106.36	2.00E-08	LOC350688
CL321875	CH242_15M15	T7	1	106515511	106515766	106.52	4.00E-23	LOC350689
CL345677	RP44_280N9	T7	1	106573765	106574355	106.57	7.00E-43	LOC350689
CL350273	RP44_310P21	T7	1	106573955	106574481	106.57	1.00E-07	LOC350689
CL322077	RP44_399J23	SP6	1	106794902	106795578	106.80	1.00E-22	NA
CL343353	RP44_276H7	SP6	1	106828512	106828725	106.83	1.00E-22	NA
CL411693	RP44_429F11	SP6	1	106840210	106840693	106.84	3.00E-87	KIAA0976
CL381721	RP44_316E24	T7	1	106894496	106894585	106.89	4.00E-15	KIAA0976
CL327269	RP44_245A20	SP6	1	106934615	106934802	106.93	3.00E-20	KIAA0976
CL322076	RP44_399J23	T7	1	106971673	106971829	106.97	8.00E-33	KIAA0976
CL343271	RP44_276H7	T7	1	106994004	106994614	106.99	5.00E-28	KIAA0976
CL343115	RP44_276G24	T7	1	106994715	106996722	107.00	8.00E-35	KIAA0976
CL327206	RP44_245A20	T7	1	107111482	107111785	107.11	1.00E-43	KIAA0976
CL372137	RP44_305O11	T7	1	107171470	107171627	107.17	2.00E-14	KIAA0976
CL343204	RP44_276G24	SP6	1	107202443	107202524	107.20	7.00E-10	NA
CL345569	RP44_280G8	SP6	1	107363476	107363557	107.36	5.00E-16	VAV3
CL364421	RP44_396J15	T7	1	107387527	107387597	107.39	1.00E-06	VAV3
CL363322	RP44_383P13	T7	1	107438690	107439021	107.44	6.00E-58	VAV3
CL325583	RP44_241J12	T7	1	107456890	107457186	107.46	5.00E-30	VAV3
CL360184	RP44_338F6	T7	1	107610105	107610244	107.61	3.00E-20	VAV3
CL440003	RP44_299A4	T7	1	107757833	107757901	107.76	1.00E-08	LOC343140

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL355254	RP44_409G20	SP6	1	107882764	107882863	107.88	3.00E-08	DKFZp586G0123
CL366285	RP44_358N9	SP6	1	107882764	107882864	107.88	6.00E-09	DKFZp586G0123
CL357342	RP44_413C11	T7	1	108227394	108227475	108.23	1.00E-06	NA
CL377738	RP44_457K2	T7	1	108270201	108270428	108.27	4.00E-19	NA
CL357421	RP44_413C11	SP6	1	108423020	108423145	108.42	1.00E-44	STXPB3
CL344983	RP44_279B19	T7	1	108493105	108493236	108.49	9.00E-08	MGC26989
CL388034	RP44_284G13	SP6	1	108508854	108509037	108.51	4.00E-16	NA
CL352771	RP44_401H20	T7	1	110035644	110035845	110.04	2.00E-27	SLC16A4
CL412319	RP44_430B12	SP6	1	110192685	110192768	110.19	2.00E-10	NA
CL332942	CH242_12L18	T7	1	110427878	110427968	110.43	7.00E-12	NA
CL333027	CH242_12L18	SP6	1	110764617	110765085	110.76	1.00E-22	LOC128338
CL355927	RP44_410L11	T7	1	110807332	110807557	110.81	2.00E-30	CEPT1
CL332384	CH242_10P13	T7	1	110826363	110826419	110.83	2.00E-15	CEPT1
CL328549	RP44_248F6	T7	1	111003459	111003783	111.00	7.00E-15	LOC128345
CL356012	RP44_410L11	SP6	1	111009801	111009957	111.01	6.00E-30	LOC128345
CL372100	RP44_305G13	T7	1	111147298	111147458	111.15	6.00E-10	ADORA3
CL414047	RP44_435N24	T7	1	111148675	111148777	111.15	4.00E-07	ADORA3
CL350630	RP44_311G23	SP6	1	111180501	111180726	111.18	2.00E-22	NA
CL337188	RP44_264K13	SP6	1	111270201	111271026	111.27	1.00E-53	RAP1A
CL337107	RP44_264K13	T7	1	111470989	111471120	111.47	4.00E-16	KCND3
CL359993	RP44_338N17	T7	1	111649137	111649250	111.65	1.00E-09	NA
CL362919	RP44_380L22	SP6	1	111651641	111651714	111.65	2.00E-30	NA
CL323996	RP44_463B5	T7	1	111785244	111785351	111.79	2.00E-24	NA
CL360080	RP44_338N17	SP6	1	111824101	111824323	111.82	1.00E-56	NA
CL381313	RP44_315F19	SP6	1	111894142	111894607	111.89	e-119	NA
CL323997	RP44_463B5	SP6	1	111989195	111989289	111.99	3.00E-10	LOC343013
CL341484	RP44_260H2	T7	1	112149508	112150174	112.15	4.00E-65	WNT2B
CL350119	RP44_310A6	SP6	1	112278823	112279009	112.28	2.00E-14	CAPZA1
CL387390	RP44_281C8	SP6	1	112614216	112615442	112.61	1.00E-07	NA
CL384575	RP44_329G6	T7	1	112812715	112812766	112.81	3.00E-17	NA
CL345193	RP44_279P10	T7	1	112903111	112903183	112.90	7.00E-09	NA
CL346964	RP44_271J14	T7	1	112925132	112925357	112.93	2.00E-13	NA
CL320496	CH242_10D6	T7	1	113018640	113018940	113.02	4.00E-19	NA
CL344711	RP44_279K13	T7	1	113076293	113076380	113.08	3.00E-17	MAGI-3
CL384992	RP44_330C13	T7	1	113129969	113130035	113.13	2.00E-09	MAGI-3
CL320497	CH242_10D6	SP6	1	113255992	113256170	113.26	7.00E-12	MAGI-3
CL344787	RP44_279K13	SP6	1	113302136	113302667	113.30	7.00E-43	MAGI-3
CL354313	RP44_406G23	SP6	1	113333068	114583980	113.96	8.00E-07	SYCP1
CL321982	RP44_399B9	T7	1	113333068	114583980	113.96	1.00E-06	SYCP1
CL345526	RP44_280O4	T7	1	113715131	113715183	113.72	5.00E-11	NA
CL340960	RP44_258F20	SP6	1	113716061	113716101	113.72	5.00E-06	NA
CL366736	RP44_362P17	SP6	1	113823581	113823689	113.82	7.00E-06	LOC343017
CL388704	RP44_285A2	T7	1	114268036	114268639	114.27	e-131	LOC163259
CL369789	RP44_292C2	T7	1	114308905	114309125	114.31	3.00E-13	NA
CL355573	RP44_409L10	SP6	1	114350596	114350771	114.35	3.00E-28	NRAS
CL331803	CH242_9C17	T7	1	114367976	114369034	114.37	2.00E-21	D1S155E
CL353176	RP44_402M12	SP6	1	114471366	114471416	114.47	3.00E-07	LOC343018
CL371793	RP44_304N3	T7	1	114585721	114585765	114.59	3.00E-08	SYCP1
CL409892	RP44_418E13	T7	1	114590001	114590064	114.59	2.00E-07	SYCP1
CL347626	RP44_272D8	SP6	1	114787384	114787680	114.79	5.00E-48	NA
CL409821	RP44_418E13	SP6	1	114811488	114811868	114.81	1.00E-83	NA
CL328728	RP44_370N8	T7	1	114907721	114907848	114.91	5.00E-12	NA
CL359213	RP44_335J16	SP6	1	114970849	114971362	114.97	7.00E-67	NGFB
CL409355	RP44_417K15	SP6	1	115007015	115007353	115.01	1.00E-89	LOC126576
CL359770	RP44_338A13	T7	1	115322749	115322782	115.32	1.00E-06	NA
CL339945	RP44_256J5	SP6	1	115454075	115454115	115.45	4.00E-06	CASQ2
CL379250	RP44_426M16	T7	1	115896656	115896716	115.90	4.00E-06	LOC343021
CL362453	RP44_377G8	SP6	1	115999128	115999218	116.00	1.00E-16	NA
CL328748	RP44_370P8	T7	1	116072817	116072877	116.07	1.00E-08	ATP1A1
CL339022	RP44_268I7	SP6	1	116107515	116107568	116.11	2.00E-11	MGC16179
CL325690	RP44_242A7	T7	1	116271735	116271941	116.27	3.00E-25	IGSF3
CL320744	CH242_13I23	T7	1	116394780	116394873	116.39	2.00E-18	LOC348432
CL325850	RP44_242A8	SP6	1	116444812	116444932	116.44	2.00E-06	CD2
CL384224	RP44_328B22	T7	1	116674577	116675144	116.67	6.00E-46	PTGFRN
CL385029	RP44_330K23	T7	1	116850415	116850617	116.85	5.00E-06	FLJ22418

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL327353	RP44_245F5	T7	1	116853203	116853318	116.85	6.00E-08	FLJ22418
CL339111	RP44_268O4	T7	1	117039215	117039565	117.04	4.00E-19	NA
CL327019	RP44_244H14	SP6	1	117049254	117049298	117.05	4.00E-06	NA
CL371584	RP44_304A10	T7	1	117313931	117314461	117.31	4.00E-16	FLJ20202
CL354298	RP44_406C17	SP6	1	117314624	117314749	117.31	3.00E-21	FLJ20202
CL354302	RP44_406E17	SP6	1	117314624	117314749	117.31	9.00E-19	FLJ20202
CL354742	RP44_408I18	T7	1	117430549	117437698	117.43	8.00E-14	NA
CL365437	RP44_353N8	T7	1	117499928	117499985	117.50	7.00E-14	NA
CL339726	RP44_256K5	T7	1	117638057	117638193	117.64	1.00E-44	WDR3
CL348927	RP44_275D7	T7	1	117647737	117648096	117.65	4.00E-07	FLJ34497
CL348682	RP44_275E17	SP6	1	117649428	117649480	117.65	3.00E-08	FLJ34497
CL385838	RP44_332O8	SP6	1	117653437	117653608	117.65	1.00E-31	FLJ34497
CL349940	RP44_310M9	T7	1	117683698	117683990	117.68	9.00E-14	FLJ34497
CL369650	RP44_292C9	SP6	1	117781273	117781394	117.78	7.00E-33	FLJ34497
CL361117	RP44_344D10	T7	1	117781693	117781815	117.78	3.00E-12	FLJ34497
CL348607	RP44_275E17	T7	1	117801011	117801458	117.80	7.00E-89	FLJ34497
CL372154	RP44_305C9	SP6	1	117823858	117824010	117.82	1.00E-24	FLJ34497
CL375300	RP44_471M12	SP6	1	117848940	117849270	117.85	8.00E-11	FLJ34497
CL440011	RP44_299C4	T7	1	117965670	117965733	117.97	2.00E-13	NA
CL346591	RP44_270N24	SP6	1	118001525	118001642	118.00	5.00E-07	NA
CL439948	RP44_299C4	SP6	1	118173809	118173918	118.17	3.00E-06	NA
CL363063	RP44_383G17	SP6	1	118174098	118174184	118.17	4.00E-13	NA
CL389050	RP44_286M7	T7	1	118196392	118196493	118.20	8.00E-14	NA
CL362979	RP44_383G17	T7	1	118427467	118427717	118.43	2.00E-15	LOC343492
CL413834	RP44_435E8	T7	1	118540665	118540907	118.54	4.00E-51	LOC343492
CL322171	RP44_404I1	SP6	1	118625200	118625285	118.63	5.00E-09	NA
CL383198	RP44_325H18	T7	1	118667332	118667590	118.67	3.00E-91	LOC350814
CL344361	RP44_278F13	T7	1	118852095	118852230	118.85	1.00E-22	NA
CL347529	RP44_272J15	SP6	1	118907714	118907951	118.91	1.00E-30	NA
CL336941	RP44_263L4	T7	1	119057058	119057098	119.06	5.00E-06	NA
CL411520	RP44_422G24	T7	1	142679630	142679738	142.68	2.00E-06	PDE4DIP
CL329107	RP44_382D16	SP6	1	143257573	143258683	143.26	4.00E-68	ITGA10
CL368236	RP44_288H16	T7	1	143264285	143264778	143.26	8.00E-54	ITGA10
CL339576	RP44_255L20	T7	1	144110148	144110270	144.11	1.00E-47	CHD1L
CL320366	CH242_6F22	SP6	1	144362595	144363003	144.36	7.00E-48	BCL9
CL363707	RP44_389J19	SP6	1	144400953	144401372	144.40	2.00E-32	BCL9
CL371346	RP44_302N1	T7	1	144553302	144553526	144.55	5.00E-21	NA
CL320365	CH242_6F22	T7	1	144571966	144572418	144.57	5.00E-09	NA
CL354161	RP44_405H2	T7	1	144597397	144597658	144.60	5.00E-51	NA
CL330197	CH242_3J9	T7	1	146529939	146530535	146.53	1.00E-09	FCGR1A
CL331726	CH242_8D17	SP6	1	146561370	146561476	146.56	6.00E-07	NA
CL366903	RP44_363E1	T7	1	146658054	146658505	146.66	4.00E-19	SV2A
CL323584	RP44_458B10	SP6	1	146827977	146828589	146.83	e-111	VPS45A
CL386706	RP44_334P23	SP6	1	146879124	146879226	146.88	1.00E-16	VPS45A
CL388551	RP44_285A13	T7	1	146976552	146976664	146.98	1.00E-25	ANP32E
CL382469	RP44_324E3	SP6	1	147068974	147069319	147.07	3.00E-54	HPRP3P
CL349954	RP44_310A3	SP6	1	147458972	147459446	147.46	2.00E-39	DKFZP434A1315
CL409775	RP44_417L20	SP6	1	147480064	147480133	147.48	9.00E-14	CTSS
CL340927	RP44_258P12	T7	1	147513260	147513442	147.51	2.00E-28	CTSS
CL334812	RP44_252I5	SP6	1	147691396	147691589	147.69	7.00E-33	SETDB1
CL389032	RP44_286I1	T7	1	147712061	147712312	147.71	7.00E-17	LASS2
CL410340	RP44_419E5	T7	1	147749225	147749901	147.75	1.00E-50	FLJ11280
CL345200	RP44_279B6	SP6	1	147757557	147757601	147.76	5.00E-06	HTCD37
CL345481	RP44_280E22	T7	1	147757557	147758079	147.76	1.00E-12	HTCD37
CL371999	RP44_304D12	SP6	1	147836905	147837023	147.84	3.00E-26	MGC29891
CL366137	RP44_358K18	SP6	1	147922517	147922938	147.92	6.00E-46	TMOD4
CL336075	RP44_255C3	SP6	1	148349931	148350125	148.35	2.00E-09	NA
CL377727	RP44_457G20	T7	1	148369989	148370037	148.37	2.00E-08	SNX27
CL385919	RP44_332P17	T7	1	148507387	148507585	148.51	6.00E-06	MRPL9
CL372422	RP44_305J24	T7	1	148509367	148509475	148.51	3.00E-13	MRPL9
CL385172	RP44_330M8	T7	1	148711103	148711319	148.71	5.00E-13	LOC343047
CL338230	RP44_265P20	T7	1	148761640	148761684	148.76	5.00E-06	NA
CL360560	RP44_339H15	SP6	1	148791524	148792025	148.79	1.00E-22	S100A11
CL385250	RP44_330M8	SP6	1	148878868	148878974	148.88	3.00E-14	NA
CL337288	RP44_264O24	T7	1	149072764	149073139	149.07	9.00E-48	LOC339400

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL325881	RP44_242G20	SP6	1	149915362	149915440	149.92	1.00E-09	NA
CL387091	RP44_280F16	SP6	1	150173851	150173956	150.17	2.00E-09	NA
CL331854	CH242_9M11	T7	1	150364524	150365277	150.36	5.00E-31	S100A2
CL332392	CH242_10B5	SP6	1	150433564	150434006	150.43	4.00E-44	NPR1
CL382364	RP44_323P22	SP6	1	150477897	150477997	150.48	4.00E-13	FLJ21919
CL375063	RP44_471A13	SP6	1	150686752	150686850	150.69	3.00E-18	KIAA0476
CL410164	RP44_418B10	T7	1	150729401	150729587	150.73	3.00E-14	RAB13
CL411675	RP44_429B19	SP6	1	150900436	150900755	150.90	6.00E-77	NA
CL410250	RP44_418B10	SP6	1	151006750	151006822	151.01	9.00E-30	NICE-4
CL377638	RP44_457E23	SP6	1	151332990	151333229	151.33	6.00E-51	ADAR
CL352936	RP44_402I17	T7	1	151589647	151589694	151.59	2.00E-10	KCNN3
CL339097	RP44_268K20	T7	1	151749459	151749756	151.75	9.00E-47	NA
CL335886	RP44_254J6	T7	1	152218899	152218943	152.22	1.00E-06	ASH1
CL361458	RP44_350L14	T7	1	152656671	152657663	152.66	3.00E-07	RIT1
CL371325	RP44_302J3	T7	1	152767674	152767850	152.77	2.00E-63	SSR2
CL339160	RP44_268I24	SP6	1	152955518	152955786	152.96	1.00E-50	KIAA0446
CL325506	RP44_241H21	SP6	1	153275220	153275400	153.28	2.00E-32	LOC128239
CL323326	RP44_458E15	SP6	1	153421725	153421895	153.42	3.00E-10	FLJ21841
CL326848	RP44_244A14	SP6	1	153479706	153480096	153.48	2.00E-66	CGI-41
CL386352	RP44_333N20	T7	1	153479711	153480197	153.48	e-105	CGI-41
CL362315	RP44_375L4	SP6	1	153514091	153514182	153.51	1.00E-12	HDGF
CL353117	RP44_402O16	T7	1	153729548	153729745	153.73	6.00E-45	ARHGEF11
CL331422	CH242_7D15	SP6	1	154446219	154446323	154.45	8.00E-11	FCRH3
CL360435	RP44_339K8	SP6	1	154674874	154674944	154.67	1.00E-12	NA
CL334934	RP44_252E22	SP6	1	154795048	154795530	154.80	7.00E-43	LOC350790
CL409416	RP44_417I8	T7	1	154808797	154809028	154.81	3.00E-41	NA
CL334543	RP44_251N15	SP6	1	155236111	155236139	155.24	7.00E-06	LOC343406
CL413014	RP44_431J6	SP6	1	155283326	155283370	155.28	2.00E-08	NA
CL337383	RP44_264D19	T7	1	155355203	155355316	155.36	1.00E-06	NA
CL334466	RP44_251N15	T7	1	155396861	155397621	155.40	1.00E-34	SPTA1
CL342128	RP44_261L2	T7	1	155909158	155909266	155.91	8.00E-11	NA
CL368639	RP44_289I22	SP6	1	155961764	155962034	155.96	1.00E-28	LOC339510
CL336481	RP44_262N22	T7	1	156182953	156183113	156.18	7.00E-12	NA
CL359761	RP44_337O12	SP6	1	156393035	156393308	156.39	2.00E-06	NA
CL370143	RP44_294N17	T7	1	156500057	156500173	156.50	1.00E-15	NA
CL359705	RP44_337O12	T7	1	156511080	156511291	156.51	1.00E-31	LOC127380
CL369782	RP44_292A8	T7	1	156560855	156561064	156.56	2.00E-14	LOC343413
CL338169	RP44_265D16	T7	1	157030368	157030731	157.03	1.00E-37	PXF
CL410335	RP44_419C15	T7	1	157042252	157042465	157.04	2.00E-09	COPA
CL322323	RP44_404M2	SP6	1	157222223	157222269	157.22	4.00E-07	NA
CL322039	RP44_399H7	SP6	1	157292580	157292722	157.29	9.00E-14	NA
CL388489	RP44_284D14	SP6	1	157297488	157297977	157.30	9.00E-23	CD84
CL388410	RP44_284D14	T7	1	157313551	157313627	157.31	7.00E-06	CD84
CL382738	RP44_325M3	T7	1	157333584	157333693	157.33	2.00E-06	NA
CL377537	RP44_457C3	T7	1	157604172	157604399	157.60	1.00E-12	CD244
CL348125	RP44_274C3	T7	1	157845849	157846043	157.85	1.00E-21	MGC33338
CL345740	RP44_280J1	SP6	1	157845863	157846044	157.85	3.00E-21	MGC33338
CL382684	RP44_325C1	T7	1	157940602	157941035	157.94	8.00E-61	ADAMTS4
CL345653	RP44_280J1	T7	1	158090877	158091010	158.09	4.00E-16	SDHC
CL350440	RP44_310B8	SP6	1	158091259	158091534	158.09	3.00E-23	SDHC
CL350355	RP44_310B8	T7	1	158091259	158091534	158.09	4.00E-23	SDHC
CL382767	RP44_325C1	SP6	1	158148776	158148851	158.15	3.00E-10	NA
CL364259	RP44_396E18	T7	1	158377241	158377878	158.38	5.00E-16	FREB
CL320742	CH242_13I21	T7	1	158419864	158420044	158.42	3.00E-11	DUSP12
CL409647	RP44_417N15	SP6	1	158467525	158467569	158.47	5.00E-06	ATF6
CL341404	RP44_260F19	SP6	1	158616449	158616789	158.62	3.00E-38	ATF6
CL409573	RP44_417N15	T7	1	158625153	158625559	158.63	9.00E-10	NA
CL388913	RP44_285N22	T7	1	158785575	158785635	158.79	3.00E-13	CAPON
CL409583	RP44_417B3	SP6	1	158799452	158799792	158.80	3.00E-68	CAPON
CL389165	RP44_286C8	T7	1	158850979	158851011	158.85	6.00E-06	CAPON
CL372598	RP44_306L21	T7	1	158922098	158922213	158.92	1.00E-19	CAPON
CL336198	RP44_255L5	T7	1	159054814	159054872	159.05	1.00E-09	NA
CL322765	RP44_437C1	T7	1	159560729	159561087	159.56	9.00E-20	LOC350794
CL351666	RP44_313E20	T7	1	159852814	159852960	159.85	1.00E-16	RGS5
CL351579	RP44_313E19	SP6	1	160057810	160058023	160.06	2.00E-09	LOC350795

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL366875	RP44_362N16	SP6	1	160176995	160177527	160.18	3.00E-08	NA
CL366798	RP44_362N16	T7	1	160342491	160343026	160.34	7.00E-12	NA
CL337759	RP44_265C11	SP6	1	160367202	160367801	160.37	2.00E-09	NA
CL383340	RP44_326A24	T7	1	160367764	160367800	160.37	1.00E-08	NA
CL362285	RP44_375D12	SP6	1	160839242	160839666	160.84	1.00E-59	LOC350797
CL325642	RP44_241H4	SP6	1	160890201	160890285	160.89	2.00E-11	LOC350797
CL377055	RP44_449A14	T7	1	160902878	160902929	160.90	4.00E-10	LOC350797
CL329975	CH242_309	SP6	1	160996032	160996423	161.00	e-127	LOC350797
CL329846	CH242_3G7	T7	1	161001093	161001480	161.00	e-102	LOC350797
CL413137	RP44_432A17	SP6	1	161100147	161100671	161.10	5.00E-87	NA
CL329889	CH242_309	T7	1	161257674	161257951	161.26	6.00E-12	PBX1
CL329931	CH242_3G7	SP6	1	161275480	161275790	161.28	1.00E-34	PBX1
CL337158	RP44_264E9	SP6	1	161310742	161310956	161.31	4.00E-25	PBX1
CL408683	RP44_415L14	T7	1	161464267	161464342	161.46	2.00E-10	PBX1
CL374594	RP44_470E12	SP6	1	161510245	161510493	161.51	6.00E-21	PBX1
CL410201	RP44_418H20	T7	1	161671042	161671331	161.67	1.00E-06	NA
CL344519	RP44_278D24	T7	1	161735352	161735751	161.74	4.00E-16	NA
CL335226	RP44_253A17	SP6	1	162093980	162094250	162.09	4.00E-93	RXRG
CL346502	RP44_270N12	T7	1	162128663	162128755	162.13	9.00E-14	NA
CL386912	RP44_335C13	SP6	1	162151777	162152298	162.15	1.00E-40	NA
CL330444	CH242_3J6	SP6	1	162216754	162217248	162.22	e-100	LOC284684
CL329270	RP44_386F6	SP6	1	162658444	162658665	162.66	6.00E-11	NA
CL326828	RP44_244M16	T7	1	163252232	163252323	163.25	1.00E-07	NA
CL412323	RP44_430D2	SP6	1	163578406	163578592	163.58	7.00E-18	NA
CL327048	RP44_244N20	SP6	1	163584410	163584657	163.58	4.00E-37	NA
CL341277	RP44_260K9	T7	1	163596704	163596797	163.60	1.00E-30	LOC343430
CL380039	RP44_428L17	T7	1	163611232	163611597	163.61	3.00E-53	LOC343430
CL323090	RP44_455L24	SP6	1	163611337	163611736	163.61	1.00E-55	LOC343430
CL371722	RP44_304O4	SP6	1	163646668	163647084	163.65	2.00E-12	NA
CL370566	RP44_295H14	SP6	1	163646884	163647084	163.65	1.00E-12	NA
CL369787	RP44_292A22	T7	1	163760073	163760235	163.76	3.00E-26	NA
CL371645	RP44_304O4	T7	1	163784499	163784652	163.78	5.00E-49	NA
CL370494	RP44_295H14	T7	1	163784499	163784712	163.78	2.00E-70	NA
CL369713	RP44_292A22	SP6	1	163935408	163935953	163.94	4.00E-19	POU2F1
CL387592	RP44_281L3	SP6	1	164029385	164029456	164.03	6.00E-15	POU2F1
CL373956	RP44_469K2	SP6	1	164112297	164112369	164.11	2.00E-08	CD3Z
CL347771	RP44_273G9	SP6	1	164452015	164452186	164.45	5.00E-17	MPZL1
CL384956	RP44_329L8	SP6	1	164603772	164603913	164.60	1.00E-18	PC326
CL347691	RP44_273G9	T7	1	164603772	164603913	164.60	2.00E-18	PC326
CL378735	RP44_425C19	T7	1	164603772	164603913	164.60	2.00E-18	PC326
CL370324	RP44_295I19	SP6	1	164713284	164713346	164.71	3.00E-07	PC326
CL352847	RP44_401H10	SP6	1	164713284	164713388	164.71	2.00E-15	PC326
CL384892	RP44_329L8	T7	1	164751983	164752199	164.75	4.00E-15	RE2
CL348343	RP44_274P3	T7	1	164752782	164752909	164.75	9.00E-27	RE2
CL346657	RP44_271K20	T7	1	164781818	164782207	164.78	6.00E-11	RE2
CL411116	RP44_420K2	SP6	1	165458017	165458345	165.46	6.00E-49	MGC4473
CL411049	RP44_420K2	T7	1	165666042	165666107	165.67	1.00E-06	NA
CL330190	CH242_3H17	T7	1	165724464	165724543	165.72	9.00E-08	NA
CL388268	RP44_284H23	T7	1	165839544	165839593	165.84	4.00E-09	NME7
CL376507	RP44_444P20	T7	1	165963954	165964335	165.96	8.00E-26	NME7
CL388352	RP44_284H23	SP6	1	165988455	165988707	165.99	1.00E-37	NME7
CL350317	RP44_310J11	SP6	1	166107734	166107813	166.11	2.00E-10	NA
CL331526	CH242_8K13	T7	1	166235081	166235384	166.24	5.00E-13	F5
CL388813	RP44_285G16	SP6	1	166259539	166259688	166.26	4.00E-14	SELP
CL353118	RP44_402O20	T7	1	166428598	166428696	166.43	3.00E-17	LOC343437
CL353647	RP44_403B5	T7	1	166477314	166477393	166.48	7.00E-06	FLJ10706
CL337686	RP44_265C23	T7	1	166555446	166555714	166.56	1.00E-09	PACE-1
CL376484	RP44_444F4	T7	1	166601518	166601762	166.60	1.00E-18	KIFAP3
CL371536	RP44_302H20	SP6	1	166626543	166626660	166.63	2.00E-09	KIFAP3
CL381592	RP44_316M9	T7	1	166821841	166822135	166.82	5.00E-80	LOC149281
CL321030	CH242_15E8	T7	1	166882566	166882797	166.88	5.00E-19	NA
CL330445	CH242_3J8	SP6	1	167124912	167125325	167.13	6.00E-34	LOC343438
CL333417	RP44_249L4	T7	1	167205678	167206032	167.21	5.00E-12	FLJ11752
CL335531	RP44_253J19	SP6	1	167209802	167210277	167.21	2.00E-61	FLJ11752
CL343318	RP44_276P19	T7	1	167230825	167231006	167.23	2.00E-61	NA

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CL330367	CH242_3J8	T7	1	167369402	167369764	167.37	2.00E-86	PMX1
CL342547	RP44_262M22	SP6	1	167376623	167377023	167.38	6.00E-09	PMX1
CL374151	RP44_469P19	SP6	1	167376623	167377023	167.38	6.00E-09	PMX1
CL374308	RP44_469P18	SP6	1	167376623	167377069	167.38	2.00E-12	PMX1
CL383324	RP44_325P10	SP6	1	167430623	167431107	167.43	3.00E-26	LOC343439
CL356757	RP44_412G21	T7	1	167545420	167545582	167.55	2.00E-21	LOC343439
CL345643	RP44_280H1	T7	1	167874446	167874514	167.87	2.00E-08	FMO4
CL326709	RP44_244E11	SP6	1	168427755	168428078	168.43	7.00E-17	KIAA0820
CL355367	RP44_409P3	T7	1	168427761	168428264	168.43	3.00E-20	KIAA0820
CL361943	RP44_353E7	SP6	1	168619126	168619249	168.62	1.00E-31	KIAA0820
CL326638	RP44_244E11	T7	1	168619126	168619249	168.62	1.00E-31	KIAA0820
CL359562	RP44_337K13	T7	1	168619126	168619249	168.62	1.00E-31	KIAA0820
CL373808	RP44_469M23	SP6	1	168718297	168718623	168.72	9.00E-73	KIAA0820
CL364643	RP44_398B15	T7	1	168718451	168719076	168.72	4.00E-38	KIAA0820
CL372806	RP44_306D16	SP6	1	168830907	168831310	168.83	7.00E-09	KIAA0820
CL370903	RP44_300P17	T7	1	168874295	168874573	168.87	3.00E-26	KIAA0820
CL364726	RP44_398B15	SP6	1	168874873	168875606	168.88	6.00E-65	KIAA0820
CL370989	RP44_300P17	SP6	1	169062525	169062851	169.06	1.00E-50	NA
CL357834	RP44_413F6	T7	1	169311096	169311131	169.31	8.00E-08	NA
CL345006	RP44_279H13	T7	1	169465932	169465999	169.47	9.00E-08	LOC343149
CL352361	RP44_401K3	T7	1	169486662	169486706	169.49	1.00E-08	LOC343149
CL384718	RP44_329D19	T7	1	169643458	169643743	169.64	4.00E-16	NA
CL377666	RP44_457K17	SP6	1	170059817	170060112	170.06	2.00E-11	LOC284525
CL352853	RP44_401H22	SP6	1	170449248	170449323	170.45	2.00E-09	NA
CL358148	RP44_414G12	T7	1	170527598	170527643	170.53	1.00E-06	KIAA2025
CL334160	RP44_251M23	T7	1	170559090	170559154	170.56	9.00E-11	NA
CL375623	RP44_471P16	SP6	1	170653585	170653625	170.65	1.00E-08	NA
CL366840	RP44_362H4	SP6	1	170792942	170793150	170.79	1.00E-37	KIAA0471
CL386102	RP44_332H8	SP6	1	171519294	171519396	171.52	6.00E-36	KIAA0471
CL383967	RP44_327L6	T7	1	171946125	171946312	171.95	6.00E-12	TNR
CL378064	RP44_422L10	SP6	1	171952453	171952528	171.95	4.00E-08	TNR
CL360443	RP44_339M6	SP6	1	171953087	171953242	171.95	1.00E-30	TNR
CL371959	RP44_304L10	T7	1	171953132	171953640	171.95	0	TNR
CL387993	RP44_284O5	T7	1	171953132	171953657	171.95	0	TNR
CL379702	RP44_428M1	T7	1	171992670	171992852	171.99	3.00E-26	NA
CL388062	RP44_284O5	SP6	1	172059261	172059513	172.06	2.00E-45	LOC343310
CL333908	RP44_250J7	SP6	1	172060281	172060365	172.06	1.00E-15	LOC343310
CL360386	RP44_339M6	T7	1	172111888	172112450	172.11	2.00E-21	LOC343310
CL362390	RP44_377I24	T7	1	172112181	172112415	172.11	9.00E-17	LOC343310
CL363465	RP44_388B17	SP6	1	172131897	172132209	172.13	4.00E-25	NA
CL367321	RP44_367G8	T7	1	172132567	172132650	172.13	1.00E-12	NA
CL414338	RP44_436F9	T7	1	172334368	172334535	172.33	9.00E-24	LOC350742
CL367399	RP44_367G8	SP6	1	172359095	172359653	172.36	1.00E-44	LOC350742
CL330184	CH242_3H1	T7	1	172696795	172696888	172.70	6.00E-15	COP1
CL372053	RP44_304N22	SP6	1	172699221	172699477	172.70	5.00E-06	COP1
CL353962	RP44_405O13	T7	1	172699221	172699477	172.70	6.00E-06	COP1
CL359826	RP44_338K23	T7	1	173024540	173024796	173.02	4.00E-10	PLAC3
CL372346	RP44_305L9	SP6	1	173050618	173051018	173.05	3.00E-45	PLAC3
CL340209	RP44_257C3	SP6	1	173102041	173102277	173.10	2.00E-24	PLAC3
CL359907	RP44_338K23	SP6	1	173189562	173189662	173.19	4.00E-13	PLAC3
CL358897	RP44_335K10	SP6	1	173377338	173377478	173.38	2.00E-20	PLAC3
CL411633	RP44_422O10	SP6	1	173388815	173389091	173.39	6.00E-66	PLAC3
CL439673	RP44_297H23	T7	1	173435936	173436111	173.44	1.00E-33	ASTN
CL364399	RP44_396D13	T7	1	173517288	173517326	173.52	1.00E-07	ASTN
CL412785	RP44_431L11	T7	1	173589023	173589237	173.59	1.00E-43	ASTN
CL383491	RP44_326D8	T7	1	173662161	173662325	173.66	8.00E-11	ASTN
CL412864	RP44_431L11	SP6	1	173734132	173734273	173.73	5.00E-40	LOC57795
CL412434	RP44_431G19	T7	1	173756451	173756533	173.76	5.00E-19	LOC57795
CL373942	RP44_469G16	SP6	1	173791513	173791790	173.79	6.00E-21	LOC57795
CL379303	RP44_426B3	T7	1	173834674	173835047	173.83	1.00E-34	NA
CL328314	RP44_248E10	SP6	1	173907316	173907672	173.91	1.00E-65	NA
CL412560	RP44_431A12	T7	1	173910217	173910603	173.91	6.00E-30	NA
CL360317	RP44_339I17	SP6	1	173964240	173964407	173.96	5.00E-37	LOC256895
CL332509	CH242_12G11	T7	1	173982083	173982128	173.98	6.00E-09	LOC256895
CL379384	RP44_426B3	SP6	1	174023821	174023941	174.02	2.00E-29	LOC256895

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL360257	RP44_339I17	T7	1	174072522	174072797	174.07	4.00E-19	LOC256895
CL333117	RP44_249A3	T7	1	174073057	174073316	174.07	1.00E-09	LOC256895
CL359498	RP44_336J24	SP6	1	174141152	174141324	174.14	3.00E-35	NA
CL338800	RP44_267A18	T7	1	174221351	174228306	174.22	1.00E-41	LOC343312
CL359443	RP44_336J24	T7	1	174237095	174237155	174.24	3.00E-11	LOC343312
CL327341	RP44_245O14	SP6	1	174407972	174408543	174.41	e-138	NA
CL361825	RP44_351L3	SP6	1	174407972	174408543	174.41	e-138	NA
CL358556	RP44_414J22	SP6	1	174411502	174411549	174.41	9.00E-08	NA
CL361744	RP44_351L3	T7	1	174555731	174555782	174.56	1.00E-07	RGPR
CL373528	RP44_457H5	T7	1	174777939	174778010	174.78	2.00E-14	RASAL2
CL383912	RP44_327O6	SP6	1	174821432	174821481	174.82	2.00E-06	RASAL2
CL364036	RP44_393K8	SP6	1	174933230	174933402	174.93	2.00E-17	RASAL2
CL357471	RP44_413M3	SP6	1	174933601	174933661	174.93	6.00E-08	RASAL2
CL371171	RP44_302I6	T7	1	175022326	175022505	175.02	3.00E-41	RASAL2
CL359801	RP44_338G11	T7	1	175218660	175218879	175.22	2.00E-24	NA
CL386229	RP44_333E10	SP6	1	175220317	175220376	175.22	6.00E-13	NA
CL387837	RP44_283M7	T7	1	175222955	175222983	175.22	5.00E-06	NA
CL333996	RP44_250L22	T7	1	175467336	175467693	175.47	3.00E-20	FLJ25604
CL372709	RP44_306B10	T7	1	175468038	175468400	175.47	2.00E-18	FLJ25604
CL353447	RP44_403M13	T7	1	175470972	175471198	175.47	3.00E-07	NA
CL371888	RP44_304N17	SP6	1	175516882	175516951	175.52	7.00E-09	NA
CL371800	RP44_304N17	T7	1	175631894	175632444	175.63	2.00E-30	ABL2
CL383320	RP44_325N24	SP6	1	175632539	175633066	175.63	4.00E-41	NA
CL388651	RP44_285E21	SP6	1	175724265	175724312	175.72	4.00E-10	LOC348395
CL339893	RP44_256N19	T7	1	175901563	175901689	175.90	4.00E-07	FLJ32940
CL370738	RP44_300O3	T7	1	176049067	176049167	176.05	8.00E-30	NPHS2
CL344840	RP44_279E18	T7	1	176495812	176495974	176.50	3.00E-45	CAP350
CL363356	RP44_383H5	SP6	1	176495887	176495974	176.50	6.00E-27	CAP350
CL389206	RP44_286K12	T7	1	176520508	176520924	176.52	2.00E-45	CAP350
CL388434	RP44_284H22	T7	1	176575217	176575543	176.58	8.00E-11	CAP350
CL439827	RP44_297J8	T7	1	176577052	176577260	176.58	6.00E-21	CAP350
CL439907	RP44_297J8	SP6	1	176776389	176776427	176.78	4.00E-07	NA
CL349386	RP44_309I23	SP6	1	176896131	176896611	176.90	6.00E-71	MGC2404
CL410878	RP44_420G15	T7	1	177161864	177162023	177.16	6.00E-06	XPR1
CL352379	RP44_401A5	SP6	1	177195000	177195315	177.20	1.00E-07	XPR1
CL389925	RP44_287B4	T7	1	177363286	177363422	177.36	2.00E-32	XPR1
CL385269	RP44_330B9	T7	1	177375506	177375756	177.38	6.00E-54	XPR1
CL409156	RP44_416P10	T7	1	177483431	177483686	177.48	2.00E-09	STX6
CL378656	RP44_424B12	SP6	1	177544489	177544651	177.54	2.00E-18	MR1
CL325978	RP44_242B7	SP6	1	177586719	177586808	177.59	2.00E-28	LOC350748
CL345473	RP44_280E4	T7	1	177628573	177628733	177.63	2.00E-08	NA
CL385713	RP44_332C16	T7	1	177760330	177760897	177.76	3.00E-10	LOC350749
CL329442	RP44_394I4	T7	1	177807432	177807525	177.81	2.00E-26	LOC350749
CL385785	RP44_332C16	SP6	1	177941844	177941879	177.94	1.00E-07	NA
CL333753	RP44_250G12	SP6	1	177990382	177990568	177.99	1.00E-36	CACNA1E
CL385973	RP44_332L13	SP6	1	178073102	178073138	178.07	6.00E-06	CACNA1E
CL339507	RP44_269C14	T7	1	178150888	178151045	178.15	1.00E-10	CACNA1E
CL385899	RP44_332L13	T7	1	178233385	178233473	178.23	1.00E-22	CACNA1E
CL350854	RP44_311H15	T7	1	178251780	178251882	178.25	7.00E-12	CACNA1E
CL350399	RP44_310J8	T7	1	178408698	178408748	178.41	2.00E-09	LOC350752
CL413570	RP44_433J8	T7	1	178473559	178473780	178.47	1.00E-59	LOC350752
CL348460	RP44_274F24	T7	1	178545189	178546050	178.55	4.00E-81	LOC127665
CL340050	RP44_256B6	SP6	1	178628168	178628232	178.63	1.00E-13	LOC343320
CL333660	RP44_250A22	T7	1	178633295	178633718	178.63	1.00E-47	LOC343320
CL350479	RP44_310J8	SP6	1	178654464	178654543	178.65	3.00E-10	LOC343320
CL414405	RP44_436D1	SP6	1	178747365	178747464	178.75	2.00E-08	NA
CL411335	RP44_420L14	T7	1	179153522	179153683	179.15	1.00E-07	RGS8
CL389640	RP44_287G5	T7	1	179273390	179274191	179.27	1.00E-16	NA
CL389717	RP44_287G5	SP6	1	179460990	179461107	179.46	4.00E-16	NA
CL354541	RP44_407I8	SP6	1	179586994	179587262	179.59	7.00E-26	LAMC1
CL371922	RP44_304F4	T7	1	179610892	179611314	179.61	3.00E-81	LAMC1
CL342831	RP44_275D14	SP6	1	179636010	179636371	179.64	7.00E-06	NA
CL343398	RP44_276P11	SP6	1	179636335	179636371	179.64	6.00E-06	NA
CL365712	RP44_355L19	T7	1	179686228	179686276	179.69	2.00E-08	LAMC2
CL384112	RP44_328L3	T7	1	179766117	179766263	179.77	2.00E-14	C1orf15

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL384268	RP44_328L2	T7	1	179766211	179766263	179.77	2.00E-08	C1orf15
CL341936	RP44_261O4	SP6	1	179951867	179952003	179.95	2.00E-08	LOC348397
CL341849	RP44_261O4	T7	1	180128001	180128321	180.13	2.00E-15	RGL
CL361465	RP44_350N8	T7	1	180154031	180154099	180.15	2.00E-10	RGL
CL338473	RP44_266A6	T7	1	180183741	180184212	180.18	2.00E-23	RGL
CL339404	RP44_268L20	T7	1	180243435	180243504	180.24	5.00E-09	RGL
CL330145	CH242_30I2	SP6	1	180293607	180293916	180.29	1.00E-09	RGL
CL332413	CH242_10F13	SP6	1	180296052	180296150	180.30	3.00E-26	RGL
CL379060	RP44_426G5	T7	1	180296052	180296150	180.30	3.00E-26	RGL
CL388819	RP44_285I6	SP6	1	180303960	180304379	180.30	2.00E-24	RGL
CL343816	RP44_277C20	SP6	1	180337762	180337930	180.34	2.00E-11	RGL
CL339479	RP44_268L20	SP6	1	180434815	180434961	180.43	2.00E-45	C1orf17
CL388744	RP44_285I6	T7	1	180453178	180453611	180.45	3.00E-60	C1orf17
CL343738	RP44_277C20	T7	1	180475941	180476208	180.48	4.00E-10	C1orf17
CL331692	CH242_8N5	T7	1	180517004	180517089	180.52	2.00E-11	C1orf17
CL375101	RP44_471G19	SP6	1	180609279	180609323	180.61	7.00E-06	NA
CL408956	RP44_416D23	SP6	1	180775594	180775702	180.78	9.00E-11	NA
CL375016	RP44_471G19	T7	1	180791563	180791626	180.79	8.00E-08	NA
CL409255	RP44_417G17	T7	1	180918633	180919023	180.92	2.00E-82	C1orf21
CL409035	RP44_416D23	T7	1	180956229	180956461	180.96	6.00E-39	C1orf21
CL347724	RP44_273M13	T7	1	181095531	181096360	181.10	2.00E-06	C1orf21
CL372626	RP44_306B11	SP6	1	181437303	181437378	181.44	6.00E-15	C1orf24
CL372540	RP44_306B11	T7	1	181615892	181616009	181.62	1.00E-09	C1orf25
CL342554	RP44_262O16	SP6	1	181695810	181695864	181.70	6.00E-12	C1orf26
CL378089	RP44_423A12	T7	1	181695810	181695864	181.70	5.00E-12	C1orf26
CL378211	RP44_423B12	T7	1	181695810	181695864	181.70	5.00E-12	C1orf26
CL382597	RP44_324N17	T7	1	181731157	181731277	181.73	3.00E-14	C1orf26
CL349848	RP44_309J22	SP6	1	181803274	181803325	181.80	2.00E-12	NS1-BP
CL372732	RP44_306F16	T7	1	181885567	181885669	181.89	6.00E-12	LOC343330
CL356544	RP44_411F13	SP6	1	181941711	181942065	181.94	9.00E-08	LOC350754
CL372815	RP44_306F16	SP6	1	181943595	181943770	181.94	7.00E-09	LOC350754
CL356479	RP44_411F13	T7	1	182178406	182178473	182.18	1.00E-07	NA
CL410897	RP44_420K7	T7	1	182178406	182178473	182.18	1.00E-07	NA
CL375799	RP44_436N24	SP6	1	182259909	182259987	182.26	3.00E-10	FIBL-6
CL371032	RP44_301I19	T7	1	182332878	182333244	182.33	1.00E-30	FIBL-6
CL347467	RP44_272N9	T7	1	182360864	182360903	182.36	4.00E-10	FIBL-6
CL356964	RP44_412C16	SP6	1	182450280	182450710	182.45	1.00E-53	FIBL-6
CL371102	RP44_301I19	SP6	1	182491834	182491948	182.49	2.00E-08	FIBL-6
CL412386	RP44_430N20	SP6	1	182789724	182789969	182.79	2.00E-15	PRG4
CL348489	RP44_274N2	T7	1	182810451	182810510	182.81	1.00E-07	TPR
CL364426	RP44_396L1	T7	1	182923669	182923826	182.92	2.00E-11	NA
CL412302	RP44_430N20	T7	1	182942574	182942630	182.94	7.00E-06	PDC
CL325281	RP44_241E7	T7	1	182965089	182965552	182.97	2.00E-11	NA
CL348565	RP44_274N2	SP6	1	182977044	182977121	182.98	4.00E-07	LOC350756
CL376706	RP44_445B3	T7	1	183135043	183135086	183.14	8.00E-08	NA
CL347207	RP44_272K3	SP6	1	183168312	183168560	183.17	6.00E-40	PTGS2
CL363288	RP44_383H9	T7	1	183234327	183234363	183.23	5.00E-06	NA
CL336289	RP44_255N13	SP6	1	183474743	183474834	183.47	4.00E-08	PLA2G4A
CL342222	RP44_261N18	SP6	1	183903687	183903950	183.90	2.00E-15	LOC343331
CL351862	RP44_313N5	T7	1	183912239	183912308	183.91	1.00E-13	LOC343331
CL322657	RP44_416G12	T7	1	183948598	183948872	183.95	1.00E-15	LOC343331
CL322600	RP44_416A2	T7	1	183948598	183948973	183.95	4.00E-53	LOC343331
CL414003	RP44_435P19	T7	1	183948598	183948973	183.95	5.00E-31	LOC343331
CL342473	RP44_262O20	T7	1	184392057	184392125	184.39	1.00E-06	NA
CL345020	RP44_279L1	T7	1	184581157	184581211	184.58	3.00E-14	NA
CL379188	RP44_426M21	SP6	1	184648713	184648878	184.65	1.00E-22	NA
CL411530	RP44_422I22	T7	1	185434471	185434541	185.43	4.00E-07	LOC343333
CL359820	RP44_338K9	T7	1	185853810	185854219	185.85	6.00E-06	NA
CL359901	RP44_338K9	SP6	1	186078560	186078983	186.08	1.00E-75	NA
CL363011	RP44_383M13	T7	1	186379946	186380245	186.38	3.00E-26	NA
CL362967	RP44_383E13	T7	1	186379980	186380654	186.38	1.00E-16	NA
CL321617	CH242_13M14	T7	1	186484807	186485178	186.48	4.00E-68	LOC284482
CL367580	RP44_367J15	SP6	1	186515308	186515517	186.52	7.00E-12	NA
CL359139	RP44_335L2	T7	1	186914068	186914228	186.91	3.00E-32	LOC343335
CL350969	RP44_311N15	SP6	1	186922280	186922515	186.92	5.00E-34	LOC343335

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL338854	RP44_267O16	T7	1	187047296	187047350	187.05	8.00E-10	NA
CL327265	RP44_245A8	SP6	1	187761694	187761758	187.76	6.00E-06	NA
CL382699	RP44_325E15	T7	1	188400392	188400577	188.40	2.00E-18	NA
CL383091	RP44_325D15	SP6	1	188400458	188400577	188.40	2.00E-10	NA
CL363231	RP44_383K6	SP6	1	188440402	188440481	188.44	4.00E-10	NA
CL411988	RP44_430O12	T7	1	188521848	188521982	188.52	3.00E-10	NA
CL321280	CH242_15N15	SP6	1	188567652	188567773	188.57	2.00E-30	NA
CL358489	RP44_414N14	T7	1	188603678	188603829	188.60	3.00E-19	RGS18
CL325915	RP44_242O6	SP6	1	188619881	188620046	188.62	3.00E-52	RGS18
CL363156	RP44_383K6	T7	1	188631974	188632461	188.63	8.00E-58	NA
CL388597	RP44_285K5	T7	1	188632976	188633066	188.63	7.00E-12	NA
CL358571	RP44_414N14	SP6	1	188782244	188782718	188.78	1.00E-40	LOC164036
CL346574	RP44_270L8	SP6	1	189079841	189079996	189.08	7.00E-33	RGS13
CL333358	RP44_249O6	SP6	1	189146356	189146405	189.15	1.00E-06	NA
CL364034	RP44_393K4	SP6	1	189287655	189287736	189.29	2.00E-18	NA
CL341868	RP44_261A20	SP6	1	189464728	189464997	189.46	2.00E-60	UCHL5
CL368995	RP44_289P16	SP6	1	189465161	189465470	189.47	2.00E-36	UCHL5
CL331365	CH242_7F15	T7	1	189504571	189504954	189.50	9.00E-57	SSA2
CL365723	RP44_355P1	T7	1	189578792	189579100	189.58	4.00E-12	C1orf28
CL368914	RP44_289P16	T7	1	189687186	189687386	189.69	1.00E-28	C1orf28
CL360781	RP44_341N12	T7	1	189961196	189961466	189.96	1.00E-18	NA
CL348889	RP44_275K20	SP6	1	190167965	190168203	190.17	7.00E-09	NA
CL358162	RP44_414I20	T7	1	190167965	190168203	190.17	7.00E-09	NA
CL345301	RP44_280E3	T7	1	190224770	190224885	190.22	1.00E-19	NA
CL408421	RP44_415G4	SP6	1	190727247	190727510	190.73	2.00E-21	NA
CL360117	RP44_338F18	SP6	1	190869100	190869222	190.87	2.00E-26	NA
CL410161	RP44_418B4	T7	1	190869100	190869222	190.87	2.00E-26	NA
CL350923	RP44_311F11	SP6	1	190994451	190994647	190.99	2.00E-32	NA
CL358778	RP44_415G4	T7	1	190994451	190994647	190.99	3.00E-32	NA
CL440093	RP44_299H14	T7	1	191191512	191191568	191.19	6.00E-06	NA
CL411365	RP44_421F20	T7	1	191276213	191276287	191.28	2.00E-07	NA
CL369909	RP44_292P4	T7	1	191277173	191277241	191.28	1.00E-06	NA
CL354727	RP44_408G2	T7	1	191277173	191277241	191.28	1.00E-06	NA
CL387668	RP44_282I13	T7	1	191605201	191605248	191.61	8.00E-06	NA
CL344559	RP44_278N2	T7	1	191605201	191605506	191.61	2.00E-06	NA
CL378820	RP44_425E3	SP6	1	192149777	192149881	192.15	4.00E-13	LOC343449
CL335791	RP44_254E1	SP6	1	192150376	192150727	192.15	2.00E-21	LOC343449
CL329447	RP44_394I8	SP6	1	192301988	192302179	192.30	2.00E-08	LOC343449
CL335701	RP44_254A1	T7	1	192513513	192513972	192.51	3.00E-35	NA
CL368331	RP44_288P4	SP6	1	192926237	192926480	192.93	1.00E-31	LOC343450
CL355554	RP44_409H10	SP6	1	193501608	193501654	193.50	4.00E-07	F13B
CL349965	RP44_310C5	SP6	1	193607741	193607880	193.61	6.00E-58	NA
CL347712	RP44_273K11	T7	1	193691110	193691186	193.69	1.00E-10	NA
CL380123	RP44_428L23	SP6	1	193947313	193947535	193.95	3.00E-26	FLJ20054
CL362780	RP44_380P1	SP6	1	194032462	194032785	194.03	e-116	MGC27044
CL323377	RP44_458K7	SP6	1	194082222	194082871	194.08	2.00E-74	MGC27044
CL334712	RP44_252E9	T7	1	194100801	194101006	194.10	2.00E-12	MGC27044
CL378957	RP44_425O20	T7	1	194151220	194151474	194.15	6.00E-06	MGC27044
CL369693	RP44_292M11	SP6	1	194422419	194422518	194.42	3.00E-17	NA
CL389834	RP44_287O12	T7	1	194577695	194577900	194.58	4.00E-10	NA
CL337812	RP44_265M23	SP6	1	194668169	194668362	194.67	7.00E-18	NEK7
CL354662	RP44_408G7	SP6	1	194682071	194682290	194.68	6.00E-99	NEK7
CL349697	RP44_309L1	SP6	1	194880602	194880775	194.88	7.00E-37	LOC343452
CL326455	RP44_243L7	SP6	1	194880602	194880818	194.88	4.00E-36	LOC343452
CL349689	RP44_309J1	SP6	1	194880602	194880821	194.88	1.00E-37	LOC343452
CL342876	RP44_275L18	SP6	1	195084288	195084436	195.08	3.00E-08	PTPRC
CL374610	RP44_470G22	SP6	1	195571454	195571552	195.57	9.00E-20	LOC343456
CL344703	RP44_279I19	T7	1	195585322	195585482	195.59	7.00E-36	LOC343456
CL356441	RP44_411M2	SP6	1	195585698	195585953	195.59	1.00E-12	LOC343456
CL386769	RP44_334B6	SP6	1	195601446	195601682	195.60	3.00E-16	LOC343456
CL369262	RP44_290A22	SP6	1	195724242	195724551	195.72	8.00E-64	NA
CL358969	RP44_335H23	T7	1	196019735	196020575	196.02	3.00E-17	NA
CL384533	RP44_329M19	SP6	1	196294651	196294794	196.29	4.00E-22	NA
CL329016	RP44_382L1	T7	1	196557513	196558119	196.56	6.00E-71	NR5A2
CL389880	RP44_287I2	SP6	1	196557534	196558031	196.56	3.00E-63	NR5A2

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL386781	RP44_334F6	SP6	1	196557537	196557917	196.56	3.00E-62	NR5A2
CL352095	RP44_313J12	SP6	1	196663921	196664046	196.66	1.00E-47	LOC339521
CL354814	RP44_408K8	SP6	1	196701812	196701856	196.70	4.00E-06	LOC339521
CL329017	RP44_382L1	SP6	1	196749342	196749445	196.75	4.00E-10	LOC343459
CL369210	RP44_290I10	T7	1	196807531	196807661	196.81	4.00E-10	NA
CL411306	RP44_420P21	SP6	1	197021689	197021820	197.02	8.00E-27	KIF14
CL348182	RP44_274O1	T7	1	197054349	197054394	197.05	2.00E-11	KIF14
CL370878	RP44_300L9	T7	1	197333886	197334045	197.33	4.00E-34	FLJ10901
CL349807	RP44_309B18	SP6	1	197589438	197589517	197.59	3.00E-10	TMEM9
CL347564	RP44_272B8	T7	1	197967891	197968006	197.97	3.00E-10	NA
CL360461	RP44_339B17	T7	1	198287714	198287778	198.29	2.00E-15	IPO9
CL373068	RP44_307L21	T7	1	199171788	199171993	199.17	1.00E-44	PLU-1
CL345861	RP44_280P10	T7	1	199193907	199194087	199.19	4.00E-56	PLU-1
CL413454	RP44_433A12	SP6	1	199400948	199401544	199.40	2.00E-30	CYB5R1
CL384771	RP44_329P9	T7	1	199422159	199422478	199.42	1.00E-10	NA
CL340811	RP44_258F5	SP6	1	199538884	199539354	199.54	6.00E-15	ADORA1
CL387155	RP44_281A13	T7	1	199815230	199815751	199.82	9.00E-76	LOC343244
CL334987	RP44_252B23	T7	1	199835590	199835676	199.84	3.00E-10	LOC343244
CL373587	RP44_457D14	T7	1	199997512	199997987	200.00	3.00E-10	ATP2B4
CL322020	RP44_399F11	T7	1	199997538	199997987	200.00	4.00E-10	ATP2B4
CL338861	RP44_267A8	SP6	1	200262329	200262500	200.26	1.00E-14	NA
CL412632	RP44_431O10	T7	1	200355856	200356339	200.36	e-161	NA
CL374949	RP44_470L6	SP6	1	200486046	200486165	200.49	2.00E-14	REN
CL374943	RP44_470J12	SP6	1	200486104	200486165	200.49	1.00E-06	REN
CL374125	RP44_469L3	SP6	1	200560165	200560352	200.56	7.00E-70	PEPP3
CL374039	RP44_469L3	T7	1	200706615	200706839	200.71	3.00E-41	NA
CL411937	RP44_430E10	T7	1	200753410	200753703	200.75	3.00E-31	PIK3C2B
CL322409	RP44_404J6	T7	1	200763069	200763145	200.76	1.00E-20	PIK3C2B
CL326892	RP44_244K12	SP6	1	200774045	200774514	200.77	2.00E-27	PIK3C2B
CL412019	RP44_430E10	SP6	1	200954616	200954822	200.95	9.00E-50	GAC1
CL339102	RP44_268M8	T7	1	201781367	201781464	201.78	9.00E-31	NA
CL385424	RP44_330F4	T7	1	202039363	202039491	202.04	4.00E-19	NA
CL342083	RP44_261B6	T7	1	202088088	202088143	202.09	9.00E-06	NA
CL331174	CH242_7A4	T7	1	202147357	202147679	202.15	4.00E-31	NA
CL389884	RP44_287I10	SP6	1	203007132	203007218	203.01	9.00E-10	LOC348447
CL329890	CH242_30I11	T7	1	203254154	203254263	203.25	1.00E-24	FNBP2
CL353641	RP44_403O14	SP6	1	203327761	203327928	203.33	2.00E-11	RASSF5
CL368276	RP44_288P16	T7	1	203403789	203404306	203.40	2.00E-12	RASSF5
CL359611	RP44_337G13	SP6	1	203556030	203556285	203.56	7.00E-42	NA
CL335997	RP44_255A23	T7	1	203556095	203556285	203.56	2.00E-07	NA
CL370189	RP44_294H13	SP6	1	203988035	203988073	203.99	4.00E-07	LOC343024
CL347224	RP44_272M17	SP6	1	204100076	204100557	204.10	2.00E-18	LOC343025
CL321849	CH242_15I11	T7	1	204451685	204455294	204.50	8.00E-08	CR1
CL360617	RP44_340F18	T7	1	204566266	204566319	204.57	1.00E-06	NA
CL411480	RP44_422A2	T7	1	204713635	204714100	204.71	2.00E-12	CD34
CL411554	RP44_422A2	SP6	1	204879874	204880087	204.88	3.00E-47	PLXNA2
CL345956	RP44_269G14	SP6	1	205001320	205001382	205.00	2.00E-09	PLXNA2
CL384903	RP44_329N14	T7	1	205001320	205001382	205.00	3.00E-07	PLXNA2
CL352382	RP44_401A13	SP6	1	205001837	205002181	205.00	2.00E-11	PLXNA2
CL353601	RP44_403E16	SP6	1	205251203	205251746	205.25	e-109	LOC343027
CL336474	RP44_262N2	T7	1	205275407	205275566	205.28	2.00E-24	NA
CL341500	RP44_260J12	T7	1	205373072	205373355	205.37	5.00E-10	LOC343028
CL327256	RP44_245O8	T7	1	205384424	205384687	205.38	e-101	LOC343028
CL347227	RP44_272O1	SP6	1	205542086	205542414	205.54	1.00E-68	LOC343029
CL333856	RP44_250N17	T7	1	205552181	205552273	205.55	6.00E-06	LOC343029
CL325060	RP44_479E9	SP6	1	205706785	205707145	205.71	2.00E-11	LOC350649
CL345863	RP44_280P14	T7	1	205745546	205745809	205.75	1.00E-13	LOC350649
CL335159	RP44_253C5	T7	1	205745567	205745809	205.75	4.00E-13	LOC350649
CL414057	RP44_435B2	SP6	1	206072908	206073121	206.07	5.00E-06	NA
CL343432	RP44_276H4	T7	1	206072908	206073134	206.07	6.00E-06	NA
CL334507	RP44_251F21	SP6	1	206163538	206163574	206.16	7.00E-06	NA
CL343513	RP44_276H4	SP6	1	206267974	206268572	206.27	e-108	NA
CL364042	RP44_393K22	SP6	1	206271590	206272049	206.27	e-120	NA
CL414005	RP44_435B2	T7	1	206271767	206272049	206.27	2.00E-72	NA
CL365379	RP44_353P19	SP6	1	206271955	206272049	206.27	2.00E-22	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL323846	RP44_459N5	SP6	1	206384562	206384914	206.38	3.00E-14	NA
CL352286	RP44_314C8	T7	1	206384562	206384914	206.38	2.00E-09	NA
CL347137	RP44_272K15	T7	1	206910053	206910172	206.91	1.00E-19	FLJ34198
CL375845	RP44_441M1	T7	1	206929610	206929872	206.93	4.00E-07	FLJ34198
CL414450	RP44_436L1	SP6	1	206964608	206964651	206.96	9.00E-08	FLJ34198
CL350846	RP44_311F21	T7	1	207210963	207211083	207.21	7.00E-21	FLJ10724
CL346794	RP44_271J1	T7	1	207401352	207401732	207.40	2.00E-12	FLJ10724
CL346875	RP44_271J1	SP6	1	207554381	207554752	207.55	1.00E-13	KCNH1
CL320280	CH242_2H15	T7	1	207923532	207923570	207.92	8.00E-10	KCNH1
CL439750	RP44_297J5	SP6	1	208286438	208286530	208.29	6.00E-06	NA
CL382198	RP44_323P9	T7	1	208414935	208415104	208.42	8.00E-36	NA
CL381642	RP44_316E21	SP6	1	208748303	208756075	208.75	3.00E-23	DKFZP434B168
CL322248	RP44_404C24	T7	1	208800897	208800987	208.80	2.00E-38	DKFZP434B168
CL410384	RP44_419M21	T7	1	208863985	208864209	208.86	2.00E-51	RAMP
CL411502	RP44_422E2	T7	1	208950884	208951081	208.95	2.00E-36	LOC343038
CL381557	RP44_316E21	T7	1	208962773	208963063	208.96	3.00E-08	LOC343038
CL341176	RP44_260G3	SP6	1	209131808	209132233	209.13	2.00E-48	PPP2R5A
CL439742	RP44_297H7	SP6	1	209131808	209132233	209.13	3.00E-48	PPP2R5A
CL389214	RP44_286M14	T7	1	209131913	209132233	209.13	3.00E-29	PPP2R5A
CL359915	RP44_338M21	SP6	1	209137769	209137968	209.14	1.00E-29	PPP2R5A
CL439668	RP44_297H7	T7	1	209332270	209332382	209.33	7.00E-11	LOC350654
CL362622	RP44_380I17	SP6	1	209404239	209404440	209.40	2.00E-14	ATF3
CL387116	RP44_280L2	SP6	1	209518682	209518785	209.52	5.00E-22	DC8
CL386183	RP44_333K14	T7	1	209570838	209571033	209.57	7.00E-18	DC8
CL371926	RP44_304F14	T7	1	209606506	209606557	209.61	6.00E-08	NA
CL337896	RP44_265M20	T7	1	209952600	209952864	209.95	3.00E-14	RPS6KC1
CL411361	RP44_421F6	T7	1	210032484	210032553	210.03	1.00E-11	RPS6KC1
CL323024	RP44_455D24	T7	1	210212288	210212335	210.21	2.00E-12	LOC343388
CL378110	RP44_423G20	T7	1	210238056	210238713	210.24	e-153	NA
CL346895	RP44_271L21	SP6	1	210257774	210257966	210.26	4.00E-15	LOC343389
CL340079	RP44_256H8	SP6	1	210456231	210456462	210.46	3.00E-56	LOC350656
CL359012	RP44_335B5	SP6	1	210472373	210472441	210.47	1.00E-10	LOC350656
CL358929	RP44_335B5	T7	1	210619268	210619586	210.62	e-142	LOC343396
CL335405	RP44_253O4	SP6	1	210781198	210781754	210.78	1.00E-13	PROX1
CL381611	RP44_316O23	T7	1	211077743	211077835	211.08	5.00E-18	HSKM-B
CL338014	RP44_265F11	T7	1	211236418	211236681	211.24	3.00E-75	PTPN14
CL357276	RP44_412F12	SP6	1	211545366	211545538	211.55	1.00E-09	NA
CL413009	RP44_431H16	SP6	1	211935786	211936059	211.94	5.00E-06	KCNK2
CL339087	RP44_268I10	T7	1	212103902	212104244	212.10	3.00E-50	NA
CL337889	RP44_265M4	T7	1	212275756	212276321	212.28	3.00E-11	NA
CL336663	RP44_263C4	SP6	1	212538678	212539134	212.54	6.00E-06	NA
CL376724	RP44_445D23	T7	1	212713446	212713498	212.71	7.00E-11	NA
CL322986	RP44_437O12	T7	1	212720209	212720814	212.72	e-164	NA
CL336585	RP44_263C4	T7	1	212720325	212720868	212.72	0	NA
CL356922	RP44_412K4	T7	1	212722308	212722750	212.72	e-165	NA
CL362582	RP44_380A9	SP6	1	212837868	212838001	212.84	6.00E-28	NA
CL346559	RP44_270H22	SP6	1	213143793	213144428	213.14	0	NA
CL362746	RP44_380H15	SP6	1	213143802	213144428	213.14	0	NA
CL379276	RP44_426E22	SP6	1	213146015	213146179	213.15	4.00E-29	NA
CL372835	RP44_306J12	SP6	1	213279386	213279853	213.28	3.00E-35	NA
CL374099	RP44_469F17	SP6	1	213295022	213295552	213.30	0	ESRRG
CL374121	RP44_469J17	SP6	1	213295050	213295552	213.30	0	ESRRG
CL350817	RP44_311B1	T7	1	213307873	213308473	213.31	e-178	ESRRG
CL344488	RP44_278N15	SP6	1	213344998	213345052	213.35	4.00E-07	ESRRG
CL373652	RP44_469A13	T7	1	213487682	213487770	213.49	4.00E-35	ESRRG
CL373667	RP44_469E1	T7	1	213487682	213488041	213.49	5.00E-99	ESRRG
CL386296	RP44_333D8	T7	1	213670733	213670928	213.67	2.00E-36	ESRRG
CL339101	RP44_268M6	T7	1	213670733	213670956	213.67	4.00E-29	ESRRG
CL352123	RP44_313P4	SP6	1	213704735	213704810	213.70	4.00E-29	ESRRG
CL350695	RP44_311G12	T7	1	213738532	213738887	213.74	e-119	ESRRG
CL344733	RP44_279O21	T7	1	213758119	213758887	213.76	1.00E-96	ESRRG
CL321200	CH242_15F21	SP6	1	213858709	213858916	213.86	3.00E-20	ESRRG
CL321199	CH242_15F21	T7	1	214046550	214046732	214.05	6.00E-43	LOC350859
CL349167	RP44_308L16	T7	1	214193113	214193406	214.19	2.00E-48	NA
CL334894	RP44_252K16	T7	1	214353432	214353522	214.35	1.00E-21	FLJ10252

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL334510	RP44_251H5	SP6	1	214368644	214368890	214.37	7.00E-36	FLJ10252
CL349243	RP44_308L16	SP6	1	214380849	214380936	214.38	2.00E-08	FLJ10252
CL376304	RP44_444E19	T7	1	214444712	214444877	214.44	5.00E-52	LOC128153
CL335237	RP44_253C19	SP6	1	214627916	214627988	214.63	3.00E-14	LOC128153
CL340859	RP44_258P13	SP6	1	214665487	214665633	214.67	1.00E-06	LOC343402
CL414430	RP44_436H7	SP6	1	214761870	214762399	214.76	3.00E-32	NA
CL371813	RP44_304P21	T7	1	214806062	214806306	214.81	1.00E-25	NA
CL362989	RP44_383I13	T7	1	214846903	214847060	214.85	2.00E-08	LOC343404
CL414346	RP44_436H7	T7	1	215005143	215005198	215.01	1.00E-07	NA
CL371227	RP44_302E4	SP6	1	215076447	215076491	215.08	2.00E-08	CGI-115
CL345572	RP44_280G18	SP6	1	215129410	215129439	215.13	1.00E-06	TGFB2
CL345256	RP44_279L22	SP6	1	215146729	215146868	215.15	9.00E-32	TGFB2
CL387248	RP44_281E19	SP6	1	215663245	215663404	215.66	3.00E-29	LOC343072
CL370077	RP44_293M12	SP6	1	215697128	215697193	215.70	1.00E-11	LOC350665
CL360894	RP44_343K15	T7	1	215734874	215735209	215.74	7.00E-58	NA
CL352978	RP44_402C9	SP6	1	215880286	215880988	215.88	3.00E-17	NA
CL331939	CH242_9M21	SP6	1	215995823	215995892	216.00	1.00E-06	NA
CL341465	RP44_260B20	T7	1	216596379	216596468	216.60	1.00E-16	DKFZp547M236
CL365943	RP44_356J10	T7	1	216601949	216602082	216.60	2.00E-07	DKFZp547M236
CL388648	RP44_285E15	SP6	1	216823091	216823771	216.82	2.00E-27	FLJ10326
CL341545	RP44_260B20	SP6	1	216823647	216823789	216.82	6.00E-29	FLJ10326
CL351396	RP44_312D2	SP6	1	216830171	216831160	216.83	1.00E-52	FLJ10326
CL328961	RP44_382F11	T7	1	216846969	216847068	216.85	1.00E-36	FLJ10326
CL389571	RP44_286H24	SP6	1	216915538	216916102	216.92	4.00E-16	RAB3-GAP150
CL340953	RP44_258D24	SP6	1	217004166	217004424	217.00	2.00E-48	NA
CL342296	RP44_262M5	T7	1	217341060	217341108	217.34	5.00E-06	MARK1
CL336844	RP44_263H3	SP6	1	217501984	217502123	217.50	3.00E-41	FLJ20605
CL336766	RP44_263H3	T7	1	217673566	217673865	217.67	1.00E-31	NA
CL409130	RP44_416H24	T7	1	218070062	218070300	218.07	3.00E-44	NA
CL329097	RP44_382D6	SP6	1	218801011	218801062	218.80	4.00E-10	LOC343081
CL355997	RP44_410J3	SP6	1	220836299	220836335	220.84	4.00E-06	NVL
CL336548	RP44_263K19	SP6	1	221406525	221406708	221.41	3.00E-19	LOC343356
CL439651	RP44_297D15	T7	1	221406602	221406635	221.41	9.00E-07	LOC343356
CL373624	RP44_457L16	T7	1	221870542	221871121	221.87	3.00E-20	NA
CL333543	RP44_250G7	T7	1	221948994	221949035	221.95	1.00E-06	NA
CL362490	RP44_377M22	SP6	1	222103548	222103714	222.10	1.00E-07	ENAH
CL379844	RP44_428G8	T7	1	222125659	222125729	222.13	3.00E-08	LOC113521
CL385184	RP44_330O16	T7	1	222126046	222126708	222.13	e-112	LOC113521
CL388844	RP44_285M16	SP6	1	222225761	222225823	222.23	2.00E-09	LOC113521
CL413271	RP44_432P2	T7	1	222288554	222289278	222.29	7.00E-18	LOC343357
CL328712	RP44_370L8	SP6	1	222295009	222295143	222.30	2.00E-30	LOC343357
CL389358	RP44_286N1	T7	1	222358964	222359206	222.36	2.00E-24	LOC343357
CL326103	RP44_242P8	SP6	1	223279025	223279102	223.28	2.00E-11	ITPKB
CL366317	RP44_358D16	T7	1	223345691	223346093	223.35	2.00E-27	NA
CL322255	RP44_404E8	SP6	1	223371661	223371724	223.37	2.00E-06	LOC348409
CL366389	RP44_358D16	SP6	1	223568058	223568168	223.57	3.00E-16	CDC42BPA
CL343826	RP44_277E24	SP6	1	223589092	223589472	223.59	4.00E-50	CDC42BPA
CL335449	RP44_253J3	T7	1	223898594	223899386	223.90	6.00E-52	NA
CL379551	RP44_426B2	SP6	1	223920232	223920471	223.92	6.00E-51	NA
CL339448	RP44_268F10	SP6	1	223968654	223968729	223.97	3.00E-13	NA
CL350095	RP44_310K20	T7	1	224385169	224385197	224.39	7.00E-06	NA
CL334610	RP44_251P2	T7	1	224634468	224634600	224.63	5.00E-18	WNT3A
CL362869	RP44_380B22	SP6	1	225232981	225233034	225.23	7.00E-09	NA
CL367208	RP44_365I19	T7	1	225796696	225796991	225.80	9.00E-11	NA
CL413127	RP44_432O17	T7	1	225796696	225796991	225.80	1.00E-13	NA
CL367268	RP44_365I19	SP6	1	226031028	226031190	226.03	2.00E-57	NUP133
CL367031	RP44_364C3	T7	1	226841909	226841974	226.84	3.00E-11	GALNT2
CL345405	RP44_280E17	SP6	1	226879740	226879805	226.88	3.00E-11	GALNT2
CL377935	RP44_422L21	SP6	1	226966095	226966241	226.97	3.00E-43	PGBD5
CL361388	RP44_350M23	SP6	1	227014174	228332247	227.67	3.00E-14	DISC1
CL361312	RP44_350M23	T7	1	227014174	228332247	227.67	3.00E-14	DISC1
CL334295	RP44_251I18	T7	1	227143094	227143234	227.14	4.00E-10	LOC350670
CL411748	RP44_430A1	T7	1	227713339	227713380	227.71	5.00E-09	LOC348362
CL385417	RP44_330D12	T7	1	227775378	227775756	227.78	1.00E-16	LOC343094
CL385496	RP44_330D12	SP6	1	228013792	228013920	228.01	2.00E-16	EGLN1

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL353805	RP44_403J16	T7	1	228568027	228568537	228.57	8.00E-30	DISC1
CL336194	RP44_255J13	T7	1	228947173	228947265	228.95	2.00E-11	KIAA1389
CL346768	RP44_271D9	T7	1	229187811	229187915	229.19	6.00E-12	NA
CL365289	RP44_400L14	SP6	1	229239277	229239366	229.24	6.00E-09	LOC348390
CL351687	RP44_313I18	T7	1	229239277	229239366	229.24	6.00E-09	LOC348390
CL386926	RP44_335E19	SP6	1	229474693	229474736	229.47	1.00E-07	KIAA0435
CL408802	RP44_416C3	T7	1	229779510	229779903	229.78	4.00E-59	NA
CL333469	RP44_249F16	SP6	1	229792117	229792503	229.79	2.00E-20	KIAA1804
CL330429	CH242_3F20	SP6	1	230078784	230078836	230.08	4.00E-11	KCNK1
CL339698	RP44_256E7	T7	1	231012235	231012310	231.01	3.00E-13	NA
CL381529	RP44_316A7	T7	1	231012235	231012310	231.01	4.00E-13	NA
CL384580	RP44_329G16	T7	1	231028315	231028608	231.03	4.00E-56	NA
CL385859	RP44_332D13	T7	1	231125538	231126384	231.13	4.00E-10	NA
CL384657	RP44_329G16	SP6	1	231195728	231195792	231.20	7.00E-11	NA
CL381615	RP44_316A7	SP6	1	231213338	231213596	231.21	9.00E-51	NA
CL385565	RP44_332A7	T7	1	231473129	231473257	231.47	2.00E-09	LOC284527
CL376338	RP44_444M23	T7	1	231591676	231591895	231.59	2.00E-12	KIAA0117
CL342669	RP44_262F13	SP6	1	232139470	232139524	232.14	2.00E-09	CHS1
CL348731	RP44_275O15	SP6	1	232271676	232271747	232.27	1.00E-19	CHS1
CL342584	RP44_262F13	T7	1	232340177	232340347	232.34	1.00E-16	CHS1
CL413773	RP44_435E3	SP6	1	232377535	232377583	232.38	5.00E-06	NA
CL389857	RP44_287C20	SP6	1	232406116	232406166	232.41	2.00E-07	NA
CL329493	RP44_394O10	T7	1	232501309	232501442	232.50	2.00E-08	NID
CL387433	RP44_281K14	SP6	1	232503183	234598387	233.55	5.00E-06	NID
CL351432	RP44_312J6	SP6	1	233002730	233002938	233.00	8.00E-39	LGALS8
CL362611	RP44_380G13	SP6	1	233002730	233002938	233.00	2.00E-36	LGALS8
CL357040	RP44_412F11	T7	1	233003426	233003489	233.00	9.00E-06	LGALS8
CL353748	RP44_403L9	SP6	1	233160516	233160589	233.16	7.00E-14	ACTN2
CL373465	RP44_308L9	SP6	1	233163723	233163993	233.16	9.00E-08	ACTN2
CL329582	RP44_394J3	T7	1	233169300	233169409	233.17	1.00E-06	ACTN2
CL357125	RP44_412F11	SP6	1	233223210	233223291	233.22	8.00E-14	ACTN2
CL349392	RP44_309K11	SP6	1	233412146	233412370	233.41	3.00E-47	NA
CL344072	RP44_278M7	T7	1	233431992	233432205	233.43	2.00E-39	NA
CL361665	RP44_351K3	SP6	1	233637986	233638034	233.64	2.00E-06	RYR2
CL384760	RP44_329N9	T7	1	233846274	233846462	233.85	8.00E-18	RYR2
CL374910	RP44_470B24	SP6	1	233914228	233914494	233.91	5.00E-62	RYR2
CL374834	RP44_470B24	T7	1	233978052	233978112	233.98	2.00E-08	RYR2
CL337797	RP44_265K5	SP6	1	234098060	234098133	234.10	5.00E-09	RYR2
CL341554	RP44_260D18	SP6	1	234108851	234108916	234.11	1.00E-06	RYR2
CL344669	RP44_279C5	T7	1	234176306	234176358	234.18	5.00E-13	RYR2
CL345131	RP44_279D4	T7	1	234176306	234176358	234.18	1.00E-10	RYR2
CL337207	RP44_264O5	SP6	1	234205392	234205431	234.21	5.00E-10	RYR2
CL338898	RP44_267I2	SP6	1	234205392	234205431	234.21	3.00E-10	RYR2
CL388821	RP44_285I12	SP6	1	234953226	234953370	234.95	5.00E-13	LOC343510
CL388826	RP44_285I24	SP6	1	234953226	234953370	234.95	5.00E-13	LOC343510
CL387313	RP44_281C18	T7	1	234953226	234953370	234.95	5.00E-13	LOC343510
CL383480	RP44_326O22	SP6	1	234997555	234997680	235.00	3.00E-23	NA
CL386396	RP44_333H10	SP6	1	234997555	234997683	235.00	5.00E-25	NA
CL384889	RP44_329L2	T7	1	235284435	235284579	235.28	9.00E-08	NA
CL384953	RP44_329L2	SP6	1	235428007	235428070	235.43	3.00E-10	LOC350818
CL343098	RP44_276E14	T7	1	235428007	235428070	235.43	4.00E-10	LOC350818
CL365494	RP44_353H24	SP6	1	235613016	235613085	235.61	6.00E-09	NA
CL343827	RP44_277G2	SP6	1	236132663	236132739	236.13	3.00E-08	CHRM3
CL336743	RP44_263B23	T7	1	236174990	236175103	236.18	2.00E-09	CHRM3
CL357823	RP44_413D6	T7	1	236208689	236209091	236.21	2.00E-08	CHRM3
CL360919	RP44_343A3	SP6	1	236285262	236285316	236.29	6.00E-10	CHRM3
CL336821	RP44_263B23	SP6	1	236352065	236352165	236.35	8.00E-30	CHRM3
CL381878	RP44_323M9	T7	1	236619409	236619569	236.62	4.00E-09	NA
CL362279	RP44_375B14	SP6	1	236765279	236765319	236.77	6.00E-06	NA
CL333710	RP44_250M20	T7	1	236770220	236770327	236.77	2.00E-18	NA
CL338952	RP44_268G11	T7	1	236793754	236793839	236.79	1.00E-23	FMN2
CL367832	RP44_372H11	SP6	1	236968237	236968574	236.97	8.00E-17	FLJ21195
CL339477	RP44_268L16	SP6	1	236975543	236975928	236.98	3.00E-99	FLJ21195
CL327697	RP44_246A6	SP6	1	237237354	237237395	237.24	2.00E-06	RGS7
CL364609	RP44_396J24	SP6	1	237484650	237484804	237.48	1.00E-09	RGS7

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL373191	RP44_308C10	T7	1	237489498	237489660	237.49	3.00E-17	RGS7
CL349324	RP44_309M7	T7	1	237965945	237966379	237.97	9.00E-54	FH
CL355914	RP44_410J3	T7	1	237967572	237967671	237.97	2.00E-08	FH
CL324254	RP44_474G10	T7	1	238093954	238094406	238.09	2.00E-33	CHML
CL367769	RP44_372H11	T7	1	238229282	238229402	238.23	1.00E-15	FLJ32978
CL364055	RP44_393O10	SP6	1	238230488	238230557	238.23	8.00E-21	FLJ32978
CL347614	RP44_272P22	T7	1	238473125	238473321	238.47	1.00E-49	FLJ40773
CL347343	RP44_272C24	SP6	1	239590636	239590793	239.59	5.00E-71	KIAA0470
CL365969	RP44_356P22	T7	1	239798573	239798673	239.80	9.00E-11	SDCCAG8
CL345802	RP44_280F2	T7	1	239804061	239804158	239.80	5.00E-13	SDCCAG8
CL364588	RP44_396D24	SP6	1	239807292	239807384	239.81	1.00E-15	SDCCAG8
CL367145	RP44_364K11	SP6	1	239859126	239859209	239.86	4.00E-12	AKT3
CL389739	RP44_287M3	SP6	1	240269022	240269571	240.27	0	LOC343482
CL387238	RP44_281C9	SP6	1	240332411	240333017	240.33	3.00E-76	LOC339529
CL322633	RP44_416E4	T7	1	240561692	240561938	240.56	6.00E-42	LOC343484
CL381956	RP44_323O19	SP6	1	240815406	240815450	240.82	3.00E-06	ADSS
CL327167	RP44_245I17	SP6	1	240826238	240826317	240.83	7.00E-08	MGC33370
CL386386	RP44_333F10	SP6	1	241518352	241518835	241.52	6.00E-52	NA
CL386305	RP44_333F10	T7	1	241692659	241692909	241.69	3.00E-08	NA
CL359432	RP44_336H20	T7	1	241701251	241701697	241.70	2.00E-11	NA
CL323345	RP44_458G19	T7	1	241868005	241868310	241.87	2.00E-11	NA
CL334954	RP44_252I24	SP6	1	242033326	242033847	242.03	1.00E-13	NA
CL351902	RP44_313D23	SP6	1	242241415	242242862	242.24	1.00E-19	ZMYND1
CL372529	RP44_305P12	SP6	1	242257739	242257906	242.26	1.00E-27	ZMYND1
CL351819	RP44_313D23	T7	1	242409375	242409467	242.41	4.00E-25	ZMYND1
CL360755	RP44_341F18	T7	1	242440891	242441475	242.44	2.00E-21	ZMYND1
CL339903	RP44_256P17	T7	1	242485799	242485845	242.49	2.00E-06	ZMYND1
CL322389	RP44_404H4	T7	1	242711143	242711282	242.71	4.00E-10	ZMYND1
CL363521	RP44_388P9	SP6	1	243027329	243027630	243.03	4.00E-10	CGI-49
CL372337	RP44_305J15	SP6	1	244132156	244652563	244.39	5.00E-25	OR2T1
CL322707	RP44_416K20	SP6	1	244160030	244310774	244.24	2.00E-33	MGC40047
CL356238	RP44_411I5	T7	1	244176546	244176971	244.18	2.00E-42	MGC40047
CL341038	RP44_259G16	T7	1	245014984	245015038	245.02	4.00E-12	LOC256613
CL383881	RP44_327I8	SP6	2	1561591	1561735	1.56	5.00E-09	TPO
CL410826	RP44_419N16	SP6	2	1564865	1565002	1.56	3.00E-35	TPO
CL385030	RP44_330M1	T7	2	3102722	3102855	3.10	2.00E-23	D2S448
CL373790	RP44_469K9	SP6	2	3783615	3783657	3.78	3.00E-07	LOC351109
CL361061	RP44_343F21	SP6	2	4250017	4250256	4.25	3.00E-17	NA
CL377127	RP44_449O14	T7	2	5219926	5220329	5.22	4.00E-10	NA
CL385455	RP44_330L10	T7	2	5846133	5846443	5.85	7.00E-86	SOX11
CL384133	RP44_328P7	T7	2	6861905	6861972	6.86	2.00E-12	LOC344340
CL332419	CH242_10H1	SP6	2	8076168	8076341	8.08	3.00E-45	LOC339788
CL364050	RP44_393M18	SP6	2	8299163	8299215	8.30	3.00E-08	LOC339789
CL350199	RP44_310B1	T7	2	8374394	8374573	8.37	6.00E-18	LOC339789
CL349694	RP44_309J15	SP6	2	8968683	8968823	8.97	3.00E-13	KIDINS220
CL379157	RP44_426I1	SP6	2	9027571	9027620	9.03	2.00E-06	LOC129642
CL379070	RP44_426I1	T7	2	9248845	9248899	9.25	2.00E-09	NA
CL336911	RP44_263F6	T7	2	9360779	9360862	9.36	7.00E-08	DDEF2
CL409534	RP44_417B17	T7	2	9475747	9475953	9.48	2.00E-47	DDEF2
CL358398	RP44_414L15	SP6	2	9548280	9548385	9.55	1.00E-06	DDEF2
CL336574	RP44_263A6	T7	2	9548280	9548385	9.55	1.00E-06	DDEF2
CL381927	RP44_323I1	SP6	2	9595966	9596072	9.60	1.00E-16	CPSF3
CL361195	RP44_344D24	SP6	2	11368844	11368986	11.37	2.00E-11	ROCK2
CL334930	RP44_252E6	SP6	2	11380131	11380297	11.38	2.00E-18	ROCK2
CL347738	RP44_273A5	SP6	2	11566964	11567124	11.57	7.00E-18	LOC344358
CL334736	RP44_252I17	T7	2	11964509	11964630	11.96	1.00E-47	LPIN1
CL333915	RP44_250L5	SP6	2	12141863	12142206	12.14	1.00E-49	NA
CL378881	RP44_425A4	T7	2	12236303	12236380	12.24	7.00E-09	NA
CL389564	RP44_286H10	SP6	2	12808394	12808466	12.81	2.00E-06	NA
CL412432	RP44_431G13	T7	2	12932962	12933085	12.93	2.00E-29	NA
CL412464	RP44_431M17	T7	2	12932962	12933119	12.93	4.00E-32	NA
CL359968	RP44_338J5	T7	2	13127084	13127363	13.13	7.00E-45	LOC351285
CL322403	RP44_404H22	SP6	2	13127084	13127384	13.13	4.00E-43	LOC351285
CL321807	CH242_15A19	T7	2	13145735	13145909	13.15	4.00E-50	LOC351285
CL322402	RP44_404H22	T7	2	13394802	13394924	13.39	1.00E-12	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL325471	RP44_241B9	SP6	2	13421422	13421454	13.42	7.00E-06	NA
CL332691	CH242_12I4	T7	2	13840934	13841456	13.84	2.00E-61	NA
CL353115	RP44_402O10	T7	2	13875103	13875218	13.88	6.00E-15	NA
CL369046	RP44_290I15	T7	2	13944953	13945034	13.94	4.00E-07	NA
CL390342	RP44_288G2	SP6	2	14169487	14169763	14.17	2.00E-37	NA
CL371568	RP44_302N24	SP6	2	14225087	14225393	14.23	3.00E-08	NA
CL371493	RP44_302N24	T7	2	14334518	14334854	14.33	3.00E-88	NA
CL388328	RP44_284D21	SP6	2	14386907	14387045	14.39	4.00E-16	LOC344548
CL360622	RP44_340H4	T7	2	14546778	14547133	14.55	1.00E-53	LOC344548
CL322542	RP44_405J7	SP6	2	14790112	14790347	14.79	4.00E-34	NA
CL373301	RP44_308I12	SP6	2	14790112	14790350	14.79	9.00E-36	NA
CL333379	RP44_249D12	T7	2	14898990	14899130	14.90	1.00E-19	NA
CL342418	RP44_262E8	T7	2	14909070	14909183	14.91	3.00E-23	NA
CL322638	RP44_416E10	SP6	2	15073040	15073228	15.07	2.00E-26	NA
CL439706	RP44_297P15	T7	2	15088160	15088427	15.09	1.00E-08	NA
CL336218	RP44_255P13	T7	2	15498586	15498752	15.50	3.00E-54	NAG
CL363184	RP44_383A8	SP6	2	15933381	15933665	15.93	8.00E-60	LOC344550
CL323316	RP44_458E3	SP6	2	15963263	15963612	15.96	2.00E-33	LOC344550
CL384099	RP44_328H21	T7	2	15971431	15971522	15.97	1.00E-13	LOC344550
CL320350	CH242_6D18	SP6	2	16022236	16022264	16.02	5.00E-06	NA
CL384178	RP44_328H21	SP6	2	16181428	16181486	16.18	2.00E-12	LOC344552
CL325736	RP44_242M21	T7	2	16182805	16182971	16.18	4.00E-67	LOC344552
CL386627	RP44_334P1	T7	2	16194266	16194357	16.19	2.00E-08	LOC344552
CL386697	RP44_334P1	SP6	2	16400851	16400923	16.40	2.00E-08	NA
CL325911	RP44_242M22	SP6	2	16446077	16446340	16.45	2.00E-29	NA
CL368546	RP44_289G10	T7	2	16468318	16468440	16.47	1.00E-16	LOC351080
CL342662	RP44_262D23	SP6	2	16481990	16482068	16.48	4.00E-07	LOC351080
CL383219	RP44_325L18	T7	2	16686807	16687112	16.69	6.00E-71	NA
CL332659	CH242_12C4	T7	2	17390253	17390707	17.39	1.00E-10	LOC351084
CL361666	RP44_351K5	SP6	2	17452053	17452356	17.45	2.00E-74	NA
CL379783	RP44_428K11	SP6	2	17452053	17452356	17.45	2.00E-74	NA
CL361580	RP44_351K5	T7	2	17452053	17452356	17.45	2.00E-74	NA
CL335568	RP44_253B24	T7	2	17673871	17674491	17.67	2.00E-06	LOC343929
CL353514	RP44_403A20	T7	2	17749946	17750049	17.75	3.00E-29	VSNL1
CL329808	RP44_394P22	SP6	2	17791754	17791816	17.79	1.00E-09	VSNL1
CL411718	RP44_429J19	SP6	2	17814760	17814830	17.81	6.00E-15	SMC6L1
CL335639	RP44_253B24	SP6	2	17869953	17870472	17.87	9.00E-42	SMC6L1
CL323823	RP44_459L3	SP6	2	17937083	17937421	17.94	2.00E-64	NA
CL379758	RP44_428G5	SP6	2	18107496	18107828	18.11	2.00E-83	NA
CL375973	RP44_441F2	T7	2	18242749	18242834	18.24	2.00E-07	NA
CL374732	RP44_470P13	T7	2	18442895	18442988	18.44	1.00E-09	LOC343932
CL362852	RP44_380P4	T7	2	18556446	18556496	18.56	2.00E-08	LOC343933
CL337349	RP44_264M2	SP6	2	18563806	18564025	18.56	7.00E-08	LOC343933
CL332767	CH242_12G2	SP6	2	18704077	18704665	18.70	0	RDH14
CL373760	RP44_469E13	SP6	2	18704283	18704795	18.70	0	RDH14
CL412223	RP44_430N23	T7	2	18890874	18891338	18.89	e-107	NA
CL412148	RP44_430N23	SP6	2	18922537	18922592	18.92	1.00E-07	NA
CL385182	RP44_330O12	T7	2	19012234	19012726	19.01	2.00E-48	LOC343934
CL356156	RP44_410H12	SP6	2	19022212	19022334	19.02	7.00E-12	LOC343934
CL323168	RP44_457L15	SP6	2	19138470	19138503	19.14	2.00E-06	LOC165329
CL360623	RP44_340H6	T7	2	19432422	19432513	19.43	6.00E-32	LOC344308
CL347715	RP44_273K17	T7	2	19602658	19602729	19.60	9.00E-08	NA
CL409480	RP44_417E22	SP6	2	19687056	19687533	19.69	e-107	NA
CL347795	RP44_273K17	SP6	2	19756919	19757363	19.76	e-144	NA
CL375734	RP44_436B22	SP6	2	19817975	19818153	19.82	2.00E-26	NA
CL325917	RP44_242O10	SP6	2	19913674	19913856	19.91	1.00E-56	NA
CL340060	RP44_256D12	SP6	2	20051403	20051464	20.05	5.00E-09	LOC344309
CL363838	RP44_392M16	T7	2	20139857	20139948	20.14	3.00E-13	KIAA1336
CL359689	RP44_337K10	T7	2	20418829	20419238	20.42	1.00E-84	PUM2
CL329203	RP44_382N18	SP6	2	20542583	20542624	20.54	8.00E-07	NA
CL439944	RP44_299A12	SP6	2	20846503	20846703	20.85	5.00E-65	NA
CL328629	RP44_370B20	T7	2	20896884	20896930	20.90	9.00E-10	FLJ21820
CL350292	RP44_310D17	SP6	2	20944564	20945449	20.95	7.00E-12	FLJ21820
CL328654	RP44_370D24	SP6	2	20944579	20945449	20.95	6.00E-12	FLJ21820
CL366068	RP44_358K6	T7	2	20945367	20945449	20.95	3.00E-12	FLJ21820

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL388847	RP44_285O2	SP6	2	21089828	21090116	21.09	3.00E-78	NA
CL388770	RP44_285O2	T7	2	21277838	21278106	21.28	3.00E-23	NA
CL325949	RP44_242J1	T7	2	21278998	21279153	21.28	3.00E-13	NA
CL328294	RP44_248A8	SP6	2	21532488	21532604	21.53	2.00E-18	NA
CL359532	RP44_337C15	T7	2	21727296	21727868	21.73	8.00E-36	NA
CL335854	RP44_254D6	T7	2	21934738	21935337	21.94	e-106	LOC351131
CL335928	RP44_254D6	SP6	2	22122689	22122822	22.12	1.00E-12	NA
CL413868	RP44_435M6	T7	2	22136205	22136387	22.14	9.00E-07	NA
CL324261	RP44_474G16	SP6	2	22300445	84824436	53.56	1.00E-22	NA
CL335860	RP44_254D18	T7	2	22376051	81012206	51.69	7.00E-09	LOC344041
CL363798	RP44_389P23	T7	2	22396825	22397307	22.40	e-172	LOC200464
CL360107	RP44_338D10	SP6	2	22512303	22512767	22.51	1.00E-62	LOC351132
CL347019	RP44_271F4	SP6	2	22561978	22562423	22.56	1.00E-43	LOC351132
CL363613	RP44_388D12	SP6	2	22650092	22650137	22.65	1.00E-06	NA
CL410771	RP44_419P10	T7	2	22650092	22650137	22.65	1.00E-06	NA
CL360175	RP44_338D10	T7	2	22674469	22674662	22.67	1.00E-37	NA
CL343962	RP44_277F1	SP6	2	22717991	22718240	22.72	3.00E-51	NA
CL355770	RP44_410K10	T7	2	22817821	22818138	22.82	2.00E-97	LOC344294
CL324588	RP44_476A6	T7	2	22849637	22850013	22.85	e-154	LOC344294
CL351508	RP44_313G19	T7	2	23251782	23251828	23.25	4.00E-07	LOC344296
CL327120	RP44_245O9	T7	2	23719276	23719369	23.72	6.00E-14	NA
CL328582	RP44_248L14	T7	2	23762729	23762918	23.76	5.00E-65	NA
CL408706	RP44_415P18	T7	2	23982326	23982765	23.98	6.00E-15	KIAA1240
CL347661	RP44_272N18	SP6	2	24008860	24009277	24.01	1.00E-18	NA
CL375852	RP44_441O3	T7	2	24065674	24065750	24.07	4.00E-09	NA
CL409104	RP44_416B18	T7	2	24359210	24359261	24.36	1.00E-07	NA
CL408806	RP44_416C11	T7	2	24359210	24359261	24.36	1.00E-07	NA
CL376940	RP44_449M9	T7	2	24530293	24530416	24.53	7.00E-06	ITSN2
CL408545	RP44_415B3	SP6	2	24686794	24688310	24.69	3.00E-17	LOC344302
CL364766	RP44_398J13	SP6	2	24849284	24849365	24.85	4.00E-07	NCOA1
CL408472	RP44_415B3	T7	2	24879283	24879407	24.88	1.00E-16	NCOA1
CL339041	RP44_268M23	SP6	2	24885844	24886434	24.89	2.00E-11	NCOA1
CL365848	RP44_356C11	SP6	2	25654817	25654871	25.65	1.00E-09	DTNB
CL379154	RP44_426G19	SP6	2	25936590	25936733	25.94	1.00E-50	FLJ10898
CL321674	CH242_13I6	SP6	2	26289939	26290016	26.29	3.00E-10	RAB10
CL345467	RP44_280C14	T7	2	26380719	65705806	46.04	6.00E-06	HADHA
CL324324	RP44_474M12	T7	2	26704600	26704697	26.70	1.00E-21	OTOF
CL352972	RP44_402A21	SP6	2	26750699	26750854	26.75	1.00E-22	LOC339778
CL344397	RP44_278N3	T7	2	26848526	26848572	26.85	4.00E-07	NA
CL354136	RP44_405O22	SP6	2	26886391	26886436	26.89	1.00E-06	KCNK3
CL327370	RP44_245J17	T7	2	27255746	27255907	27.26	1.00E-17	NA
CL345816	RP44_280H10	T7	2	27441491	27441816	27.44	2.00E-11	SLC30A3
CL387098	RP44_280H10	SP6	2	27687747	27687890	27.69	7.00E-39	GCKR
CL351322	RP44_312I10	T7	2	27688285	27688836	27.69	3.00E-32	GCKR
CL383512	RP44_326H18	T7	2	27745624	27745978	27.75	3.00E-23	NA
CL330847	CH242_4N22	SP6	2	27745853	27745978	27.75	2.00E-20	NA
CL337425	RP44_264N5	T7	2	27845693	27845904	27.85	2.00E-65	SLC4A1AP
CL383168	RP44_325B22	T7	2	28003775	28003891	28.00	2.00E-43	RBSK
CL373782	RP44_469I15	SP6	2	28013260	28013361	28.01	1.00E-25	RBSK
CL330796	CH242_4F8	SP6	2	28140629	28140782	28.14	2.00E-21	BRE
CL360761	RP44_341H10	T7	2	28164701	28165008	28.16	1.00E-06	BRE
CL356810	RP44_412C11	SP6	2	28171213	28171610	28.17	7.00E-06	BRE
CL383251	RP44_325B22	SP6	2	28178181	28178404	28.18	4.00E-44	BRE
CL325113	RP44_479K9	T7	2	28409371	28409527	28.41	3.00E-25	BRE
CL359322	RP44_336B5	SP6	2	28461481	28461689	28.46	5.00E-15	BRE
CL352680	RP44_401H5	SP6	2	28981492	28981625	28.98	3.00E-40	PPP1CB
CL352601	RP44_401H5	T7	2	29179868	29180055	29.18	2.00E-38	NA
CL347550	RP44_272N17	SP6	2	29617031	29617291	29.62	6.00E-86	ALK
CL362972	RP44_383E23	T7	2	29630275	29630523	29.63	2.00E-18	ALK
CL388082	RP44_284C6	T7	2	29635896	29636215	29.64	1.00E-15	ALK
CL372683	RP44_306L19	SP6	2	29704124	29704590	29.70	1.00E-68	ALK
CL378060	RP44_422J20	SP6	2	29777704	29778066	29.78	1.00E-37	ALK
CL378042	RP44_422F20	SP6	2	29777704	29778093	29.78	2.00E-52	ALK
CL377995	RP44_422J20	T7	2	29970770	29970941	29.97	9.00E-24	ALK
CL383274	RP44_325F22	SP6	2	30038238	30038383	30.04	8.00E-26	ALK

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL333069	RP44_248J14	SP6	2	30045853	30046143	30.05	4.00E-07	ALK
CL351296	RP44_312O19	SP6	2	30075625	30076088	30.08	2.00E-55	ALK
CL386280	RP44_333O18	SP6	2	30095402	30095453	30.10	1.00E-07	ALK
CL377378	RP44_449B2	T7	2	30159401	30159484	30.16	5.00E-15	LOC351137
CL388824	RP44_285I20	SP6	2	30297779	30297862	30.30	5.00E-10	LOC351138
CL321928	CH242_15H12	T7	2	30385559	30385760	30.39	7.00E-32	LOC164964
CL353817	RP44_403L24	T7	2	30677633	30677830	30.68	4.00E-06	LOC253558
CL389873	RP44_287G8	SP6	2	30775606	30775715	30.78	6.00E-12	LOC253558
CL347446	RP44_272H19	T7	2	31183420	31183522	31.18	2.00E-07	GalNac-T10
CL323796	RP44_459H21	T7	2	31183603	31184007	31.18	e-145	GalNac-T10
CL385290	RP44_330H1	T7	2	31221377	48864900	40.04	1.00E-22	ALF
CL356838	RP44_412I19	SP6	2	31308320	31308398	31.31	8.00E-12	GalNac-T10
CL357473	RP44_413M11	SP6	2	31593508	31593611	31.59	7.00E-15	XDH
CL365716	RP44_355N7	T7	2	31644916	65813835	48.73	6.00E-06	LOC285168
CL347344	RP44_272E2	SP6	2	32325582	32325627	32.33	1.00E-06	SPG4
CL384063	RP44_327P22	SP6	2	32757870	32757991	32.76	2.00E-21	BIRC6
CL356867	RP44_412O13	SP6	2	32866142	88131321	60.50	9.00E-08	FLJ20272
CL383993	RP44_327P22	T7	2	32915457	32915523	32.92	6.00E-09	FLJ20272
CL330305	CH242_3N11	SP6	2	33087475	33087794	33.09	1.00E-15	LOC285045
CL323622	RP44_458F6	T7	2	33196466	33196619	33.20	1.00E-13	LOC344109
CL323623	RP44_458F6	SP6	2	33217652	33218039	33.22	7.00E-43	LOC344109
CL373155	RP44_307L23	SP6	2	33438447	33438844	33.44	2.00E-43	LTBP1
CL344356	RP44_278F1	T7	2	33457718	33457877	33.46	4.00E-53	LTBP1
CL344040	RP44_278G1	T7	2	33457718	33457977	33.46	1.00E-53	LTBP1
CL344366	RP44_278H1	T7	2	33457718	33457977	33.46	1.00E-53	LTBP1
CL368928	RP44_289D2	SP6	2	33471109	33471171	33.47	3.00E-07	LTBP1
CL387220	RP44_281O9	T7	2	33482388	33482460	33.48	7.00E-09	LTBP1
CL354633	RP44_408O5	T7	2	33520748	33520924	33.52	8.00E-29	LTBP1
CL329649	RP44_394P19	SP6	2	33544199	33544265	33.54	4.00E-12	LTBP1
CL387292	RP44_281O9	SP6	2	33599986	33600124	33.60	3.00E-26	NA
CL354699	RP44_408O5	SP6	2	33658122	33658295	33.66	6.00E-08	GRP3
CL345514	RP44_280K24	T7	2	33699314	33699563	33.70	e-104	GRP3
CL368748	RP44_289P9	T7	2	33878762	33879088	33.88	1.00E-19	NA
CL413793	RP44_435I21	SP6	2	33915398	33915500	33.92	3.00E-16	NA
CL338130	RP44_265L23	SP6	2	33915430	33915500	33.92	2.00E-09	NA
CL331800	CH242_9C11	T7	2	34076940	34077128	34.08	6.00E-12	LOC344372
CL323135	RP44_457F7	SP6	2	34220237	34220356	34.22	6.00E-06	NA
CL388151	RP44_284A10	SP6	2	34220308	34220356	34.22	5.00E-06	NA
CL361224	RP44_344L8	SP6	2	34312388	34522313	34.42	1.00E-10	LOC344374
CL381631	RP44_316C19	SP6	2	34414806	38025660	36.22	4.00E-41	LOC344383
CL371724	RP44_304O8	SP6	2	34471637	34471675	34.47	3.00E-07	LOC344374
CL344097	RP44_278A23	SP6	2	34471637	34472797	34.47	4.00E-07	LOC344374
CL321361	CH242_15L12	SP6	2	34921539	34921607	34.92	6.00E-06	LOC344376
CL370682	RP44_296A17	SP6	2	34936811	34936921	34.94	8.00E-17	LOC344376
CL321947	CH242_15L12	T7	2	35183834	35183867	35.18	1.00E-06	NA
CL339605	RP44_255B20	SP6	2	35189588	35189688	35.19	2.00E-15	NA
CL364409	RP44_396H3	T7	2	35488945	35489353	35.49	1.00E-49	NA
CL409293	RP44_417O1	T7	2	35488945	35489416	35.49	1.00E-50	NA
CL347492	RP44_272D3	SP6	2	35565446	35565826	35.57	2.00E-08	NA
CL385276	RP44_330D7	T7	2	35975337	35975417	35.98	6.00E-06	NA
CL379387	RP44_426B11	SP6	2	36116356	36116455	36.12	2.00E-10	NA
CL370144	RP44_294N19	T7	2	36323106	36323368	36.32	2.00E-50	NA
CL383221	RP44_325L22	T7	2	36340122	36340726	36.34	e-117	NA
CL325425	RP44_241H13	T7	2	36340799	36340827	36.34	4.00E-06	NA
CL364622	RP44_396N14	SP6	2	36421059	36421103	36.42	5.00E-06	NA
CL380607	RP44_429E4	SP6	2	36475105	36475665	36.48	5.00E-12	LOC351145
CL376941	RP44_449M11	T7	2	36491950	36492091	36.49	6.00E-12	LOC351145
CL320389	CH242_6H24	T7	2	36547274	36547436	36.55	7.00E-24	CRIM1
CL345916	RP44_269M24	T7	2	36602594	36602668	36.60	4.00E-12	CRIM1
CL343426	RP44_276F14	T7	2	36731645	36732150	36.73	8.00E-95	CRIM1
CL320390	CH242_6H24	SP6	2	36731730	36732150	36.73	2.00E-89	CRIM1
CL345991	RP44_269M24	SP6	2	36772232	36772587	36.77	2.00E-39	FEZ2
CL327467	RP44_245P15	SP6	2	36858803	36858965	36.86	1.00E-13	NA
CL386520	RP44_334C22	SP6	2	37152429	37152923	37.15	2.00E-27	NA
CL327385	RP44_245N5	T7	2	37264543	37264613	37.26	9.00E-14	KIAA1414

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL369528	RP44_291E16	SP6	2	37304928	37305018	37.30	1.00E-20	PRKR
CL341371	RP44_260P11	T7	2	37325749	37325854	37.33	8.00E-08	PRKR
CL375108	RP44_471111	SP6	2	37385929	37386276	37.39	3.00E-13	NA
CL369465	RP44_291E16	T7	2	37470942	37471126	37.47	2.00E-39	PRKCN
CL323629	RP44_458F14	SP6	2	37503397	37503531	37.50	2.00E-15	PRKCN
CL375023	RP44_471111	T7	2	37537634	37537898	37.54	9.00E-54	QPCT
CL379468	RP44_426B10	T7	2	37627990	37628149	37.63	6.00E-06	NA
CL414368	RP44_436L17	T7	2	37810779	37811013	37.81	6.00E-62	LOC344380
CL328046	RP44_246N10	SP6	2	37966021	37966118	37.97	3.00E-13	LOC344381
CL408808	RP44_416C19	T7	2	38071651	38071754	38.07	8.00E-30	NA
CL349258	RP44_308P10	SP6	2	38160056	38160750	38.16	1.00E-41	FLJ32954
CL408881	RP44_416C19	SP6	2	38310712	38311039	38.31	6.00E-61	NA
CL387381	RP44_281A12	SP6	2	38370482	38370541	38.37	9.00E-08	NA
CL332161	CH242_10E22	T7	2	38506438	38506507	38.51	3.00E-11	ARL6IP2
CL387299	RP44_281A12	T7	2	38583650	38584006	38.58	7.00E-18	NA
CL332476	CH242_12A11	T7	2	39097542	39097585	39.10	8.00E-06	NA
CL350719	RP44_311K20	T7	2	39103483	39103573	39.10	2.00E-09	NA
CL376243	RP44_443H3	SP6	2	39348008	39348059	39.35	2.00E-08	LOC351147
CL334945	RP44_252I2	SP6	2	39900091	39900474	39.90	1.00E-55	MGC33926
CL408624	RP44_415P13	SP6	2	40141035	59412593	49.78	1.00E-19	NA
CL328635	RP44_370D2	T7	2	40605212	40605580	40.61	4.00E-19	SLC8A1
CL343258	RP44_276D21	T7	2	40872684	40872806	40.87	1.00E-16	LOC344110
CL358926	RP44_335O20	SP6	2	40992003	40992068	40.99	7.00E-09	NA
CL348734	RP44_275A2	T7	2	41034113	41034164	41.03	1.00E-07	NA
CL348825	RP44_275A2	SP6	2	41225890	41226023	41.23	2.00E-09	NA
CL327547	RP44_246A3	SP6	2	41251094	41251154	41.25	3.00E-08	NA
CL351501	RP44_313G1	T7	2	41639311	41640959	41.64	3.00E-17	NA
CL336799	RP44_263N11	T7	2	41947934	41948329	41.95	1.00E-34	LOC344114
CL370955	RP44_300J13	SP6	2	42019430	42019539	42.02	2.00E-14	NA
CL412760	RP44_431H1	T7	2	42081320	42081676	42.08	6.00E-24	LOC344117
CL347796	RP44_273K19	SP6	2	42107780	42107853	42.11	4.00E-14	NA
CL369272	RP44_290C20	SP6	2	42113440	42113536	42.11	4.00E-06	NA
CL381216	RP44_315D13	T7	2	42349556	42350007	42.35	e-116	NA
CL348028	RP44_273N14	T7	2	42355913	42355964	42.36	2.00E-17	EML4
CL327483	RP44_246A23	T7	2	42537309	42537683	42.54	4.00E-10	COX7A2L
CL379031	RP44_426A15	T7	2	42575963	42576813	42.58	6.00E-09	LOC253584
CL327554	RP44_246A23	SP6	2	42741231	42741425	42.74	9.00E-70	LOC344119
CL327874	RP44_246J9	SP6	2	42741353	42741425	42.74	2.00E-20	LOC344119
CL409280	RP44_417K21	T7	2	42752008	42752492	42.75	5.00E-25	NA
CL334701	RP44_252C7	T7	2	42887556	42887728	42.89	6.00E-06	MTA3
CL334782	RP44_252C7	SP6	2	43122336	43122502	43.12	1.00E-15	NA
CL373259	RP44_308A2	SP6	2	43169109	43169337	43.17	2.00E-26	NA
CL410740	RP44_419H16	T7	2	43169130	43169337	43.17	3.00E-19	NA
CL373177	RP44_308A2	T7	2	43391347	43391409	43.39	3.00E-07	NA
CL331188	CH242_7C14	T7	2	43530276	43530828	43.53	e-179	FLJ21877
CL331267	CH242_7C14	SP6	2	43745031	43745223	43.75	3.00E-48	LOC348681
CL347866	RP44_273I24	T7	2	43752074	43752166	43.75	9.00E-11	NA
CL370466	RP44_295B18	T7	2	43766698	43766807	43.77	1.00E-18	NA
CL362752	RP44_380J7	SP6	2	43833940	43834241	43.83	e-112	KIAA2028
CL352206	RP44_314A3	SP6	2	43896766	43897185	43.90	6.00E-55	KIAA2028
CL381257	RP44_315L15	T7	2	43934489	43934565	43.93	2.00E-17	KIAA2028
CL340063	RP44_256D22	SP6	2	43974475	43974577	43.97	2.00E-33	D2LIC
CL370590	RP44_295N18	SP6	2	44221677	44221761	44.22	2.00E-08	NA
CL334675	RP44_251N6	SP6	2	44264674	44264835	44.26	1.00E-13	NA
CL343845	RP44_277I18	SP6	2	44465539	44466397	44.47	2.00E-83	SLC3A1
CL339137	RP44_268E2	SP6	2	44527257	44527416	44.53	3.00E-60	KIAA0436
CL341081	RP44_259A10	SP6	2	44626053	44626194	44.63	4.00E-22	FLJ23451
CL355642	RP44_410M5	T7	2	44684134	44684384	44.68	8.00E-45	FLJ23451
CL360229	RP44_339A7	T7	2	44733896	44734305	44.73	1.00E-13	FLJ23451
CL341010	RP44_259A10	T7	2	44798083	44798248	44.80	6.00E-09	FLJ23451
CL387896	RP44_283I7	SP6	2	44943615	44943755	44.94	1.00E-15	FLJ23451
CL327319	RP44_245O18	SP6	2	45058275	46445578	45.75	2.00E-17	NA
CL410912	RP44_420M19	T7	2	45085263	45085383	45.09	6.00E-23	NA
CL410994	RP44_420M19	SP6	2	45085263	45085436	45.09	3.00E-26	NA
CL410097	RP44_418O8	SP6	2	45120182	45120628	45.12	8.00E-51	LOC253758

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL331518	CH242_8I21	T7	2	45179256	45179472	45.18	6.00E-09	NA
CL358720	RP44_415K9	SP6	2	45543102	45543381	45.54	4.00E-28	NA
CL378237	RP44_423J14	T7	2	45592991	45593384	45.59	2.00E-12	FLJ10379
CL380981	RP44_314F17	SP6	2	45597989	45598405	45.60	2.00E-48	FLJ10379
CL359353	RP44_336H9	SP6	2	45735968	45736153	45.74	1.00E-75	FLJ10379
CL334312	RP44_251M12	T7	2	45921985	45922118	45.92	5.00E-15	PRKCE
CL360878	RP44_343G23	T7	2	46008141	46008211	46.01	1.00E-09	PRKCE
CL379670	RP44_428G1	T7	2	46225850	46226402	46.23	3.00E-14	PRKCE
CL339746	RP44_256O11	T7	2	46564088	46564131	46.56	2.00E-08	EPAS1
CL373089	RP44_307P19	T7	2	46619821	46620215	46.62	2.00E-15	LOC344133
CL347223	RP44_272M15	SP6	2	46664285	46664556	46.66	9.00E-48	LOC285050
CL386685	RP44_334L21	SP6	2	46762159	46762829	46.76	4.00E-41	ARHO
CL347147	RP44_272M15	T7	2	46853888	46854244	46.85	2.00E-18	LOC344134
CL381144	RP44_314H4	SP6	2	46873745	46873914	46.87	4.00E-19	NA
CL386617	RP44_334L21	T7	2	46922570	46922684	46.92	2.00E-14	SOCS5
CL372528	RP44_305P10	SP6	2	46942119	46942190	46.94	2.00E-12	SOCS5
CL413157	RP44_432E9	SP6	2	47336172	47336360	47.34	2.00E-51	FLJ40172
CL389101	RP44_286G11	SP6	2	47659857	47660143	47.66	e-102	MSH2
CL389122	RP44_286K11	SP6	2	47659857	47660143	47.66	e-100	MSH2
CL374842	RP44_470D20	T7	2	47729273	47729487	47.73	7.00E-33	KCNK12
CL342074	RP44_261N21	SP6	2	48588670	48588718	48.59	6.00E-06	NA
CL342217	RP44_261N8	SP6	2	48588670	48588718	48.59	5.00E-06	NA
CL341356	RP44_260L21	T7	2	48644588	48645019	48.64	3.00E-63	LOC129285
CL385357	RP44_330H1	SP6	2	48664737	48665161	48.66	4.00E-90	LOC129285
CL342006	RP44_261N21	T7	2	48821901	48821983	48.82	4.00E-07	ALF
CL410980	RP44_420K9	SP6	2	48896599	48896631	48.90	6.00E-06	LHCGR
CL361148	RP44_344J18	T7	2	49085361	49085425	49.09	2.00E-08	LOC351159
CL347786	RP44_273I23	SP6	2	49334901	49335129	49.34	1.00E-29	FSHR
CL345228	RP44_279F20	SP6	2	49334914	49335129	49.34	5.00E-28	FSHR
CL339671	RP44_255P16	SP6	2	49473952	49474072	49.47	1.00E-06	NA
CL376995	RP44_449G7	SP6	2	49474465	49474625	49.47	4.00E-25	NA
CL334220	RP44_251I13	SP6	2	49536919	49537021	49.54	2.00E-07	NA
CL409295	RP44_417O5	T7	2	49751829	49752065	49.75	1.00E-37	LOC344392
CL354277	RP44_406K13	T7	2	49789030	49789137	49.79	2.00E-28	LOC344392
CL410908	RP44_420M11	T7	2	49813998	49814410	49.81	2.00E-54	LOC344392
CL380407	RP44_429O19	T7	2	50225652	50225992	50.23	3.00E-17	NRXN1
CL411939	RP44_430E18	T7	2	50309199	50309301	50.31	4.00E-10	NRXN1
CL330717	CH242_4F14	T7	2	50332090	50332143	50.33	1.00E-06	NRXN1
CL343748	RP44_277E22	T7	2	50400708	50400915	50.40	2.00E-06	NRXN1
CL330799	CH242_4F14	SP6	2	50463960	50464185	50.46	1.00E-16	NRXN1
CL412022	RP44_430E18	SP6	2	50475550	50475985	50.48	8.00E-64	NRXN1
CL334406	RP44_251O24	SP6	2	50507343	50507489	50.51	3.00E-17	NRXN1
CL375701	RP44_436L18	T7	2	50532389	50532833	50.53	3.00E-75	NRXN1
CL343825	RP44_277E22	SP6	2	50583399	50583983	50.58	8.00E-52	NRXN1
CL354011	RP44_405I19	SP6	2	50676555	50676592	50.68	1.00E-06	NRXN1
CL409289	RP44_417M17	T7	2	50707883	50708408	50.71	7.00E-37	NRXN1
CL365257	RP44_400F2	SP6	2	50760445	50760482	50.76	1.00E-06	NRXN1
CL383061	RP44_325P1	T7	2	51041226	51041620	51.04	2.00E-18	NRXN1
CL325520	RP44_241L3	SP6	2	51079851	51080097	51.08	2.00E-15	NRXN1
CL344939	RP44_279I16	SP6	2	51326135	51326223	51.33	1.00E-10	LOC344393
CL364762	RP44_398J5	SP6	2	51405537	51405786	51.41	5.00E-71	LOC344393
CL367438	RP44_367O2	SP6	2	51507138	51507563	51.51	4.00E-44	NA
CL377218	RP44_449O20	SP6	2	51507138	51507563	51.51	4.00E-44	NA
CL344173	RP44_278A14	T7	2	51507138	51507563	51.51	3.00E-39	NA
CL411423	RP44_421F14	SP6	2	51507168	51507563	51.51	2.00E-33	NA
CL370521	RP44_295N16	T7	2	52520722	52521077	52.52	6.00E-12	NA
CL328297	RP44_248A14	SP6	2	52635360	52635413	52.64	2.00E-06	NA
CL410321	RP44_419A7	T7	2	52665065	52665149	52.67	4.00E-06	LOC129656
CL390259	RP44_288E6	T7	2	53099277	53099370	53.10	3.00E-11	LOC344398
CL377315	RP44_449F3	SP6	2	53160899	53161238	53.16	5.00E-06	NA
CL344088	RP44_278O23	T7	2	53217412	53217592	53.22	3.00E-63	LOC339794
CL381577	RP44_316I23	T7	2	53373809	53374343	53.37	e-178	LOC339794
CL414326	RP44_436D7	T7	2	53386912	53387046	53.39	9.00E-27	LOC339794
CL384837	RP44_329N15	SP6	2	53654488	53654597	53.65	3.00E-11	NA
CL376083	RP44_443O3	T7	2	53658790	53658828	53.66	3.00E-07	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL324842	RP44_478J1	SP6	2	53817224	53817267	53.82	3.00E-10	LOC351165
CL324032	RP44_463H3	T7	2	53838629	53838704	53.84	2.00E-10	LOC351165
CL383752	RP44_327O1	SP6	2	53984546	53984733	53.98	5.00E-37	CL25084
CL365747	RP44_355H9	SP6	2	54033572	54033890	54.03	3.00E-47	ASB3
CL324033	RP44_463H3	SP6	2	54033720	54033872	54.03	6.00E-41	ASB3
CL378427	RP44_424E20	SP6	2	54184411	54184711	54.18	5.00E-10	ACYP2
CL377842	RP44_457M14	SP6	2	54424225	54424703	54.42	2.00E-39	ACYP2
CL439647	RP44_297D3	T7	2	54424287	54424695	54.42	4.00E-37	ACYP2
CL383744	RP44_327M1	SP6	2	54490281	54490338	54.49	7.00E-09	NA
CL358431	RP44_414B22	T7	2	54697128	54697241	54.70	4.00E-16	NA
CL335909	RP44_254P6	T7	2	54761910	54762063	54.76	5.00E-13	SPTBN1
CL411174	RP44_420F23	T7	2	54784885	54785028	54.78	1.00E-30	SPTBN1
CL411255	RP44_420F23	SP6	2	54956402	54956938	54.96	e-116	NA
CL321147	CH242_15B5	T7	2	55011586	55011637	55.01	4.00E-10	LOC344403
CL333103	RP44_248D20	SP6	2	55101541	55101820	55.10	5.00E-80	LOC344403
CL328544	RP44_248D20	T7	2	55113551	55113690	55.11	8.00E-15	LOC344403
CL360922	RP44_343A11	SP6	2	55195690	55195848	55.20	5.00E-07	RTN4
CL321148	CH242_15B5	SP6	2	55211385	55212016	55.21	e-113	RTN4
CL322618	RP44_416C6	T7	2	55436800	55436891	55.44	2.00E-08	MTIF2
CL413687	RP44_435A7	T7	2	55453643	55453712	55.45	2.00E-06	MTIF2
CL335796	RP44_254E19	SP6	2	55548643	55548764	55.55	4.00E-16	LOC55580
CL365538	RP44_353P24	SP6	2	55548643	55548833	55.55	1.00E-19	LOC55580
CL414078	RP44_435H8	SP6	2	55611341	55611414	55.61	3.00E-16	NA
CL338168	RP44_265D14	T7	2	55813180	55813465	55.81	3.00E-08	LOC348687
CL376316	RP44_444I5	T7	2	56077327	56077435	56.08	3.00E-18	EFEMP1
CL329431	RP44_394G16	T7	2	56293637	56293751	56.29	9.00E-09	LOC344408
CL323761	RP44_459F5	T7	2	56402424	56402930	56.40	1.00E-90	KIAA1912
CL365601	RP44_354O21	T7	2	56424052	56424343	56.42	2.00E-17	KIAA1912
CL356212	RP44_411C3	T7	2	56495229	56495273	56.50	2.00E-08	KIAA1912
CL332598	CH242_12I11	SP6	2	56555157	56555441	56.56	1.00E-07	KIAA1912
CL355316	RP44_409D19	T7	2	56678161	56678300	56.68	1.00E-10	NA
CL330746	CH242_4L2	T7	2	56755486	56755931	56.76	2.00E-21	NA
CL377367	RP44_449N19	SP6	2	56768278	56768315	56.77	2.00E-06	NA
CL342771	RP44_262J6	T7	2	56768278	56768315	56.77	1.00E-06	NA
CL355394	RP44_409D19	SP6	2	56927276	56927660	56.93	2.00E-30	LOC348688
CL342707	RP44_262N7	SP6	2	56928023	56928269	56.93	6.00E-43	LOC348688
CL376470	RP44_444B2	T7	2	57009836	57009872	57.01	5.00E-06	NA
CL348217	RP44_274G1	SP6	2	57057997	57058237	57.06	4.00E-07	NA
CL378481	RP44_424D11	T7	2	57103893	57103962	57.10	6.00E-06	NA
CL369055	RP44_290K13	T7	2	57289231	57289409	57.29	2.00E-08	NA
CL410077	RP44_418K12	SP6	2	57396903	57397164	57.40	2.00E-39	NA
CL388678	RP44_285K17	SP6	2	57659306	57659551	57.66	2.00E-24	LOC344410
CL388681	RP44_285K23	SP6	2	57659306	57659551	57.66	2.00E-24	LOC344410
CL334884	RP44_252I14	T7	2	57991989	57992453	57.99	6.00E-06	NA
CL382436	RP44_324O1	T7	2	58243758	58243998	58.24	1.00E-50	VRK2
CL383952	RP44_327H12	T7	2	58581633	58582020	58.58	e-103	NA
CL357690	RP44_413H21	T7	2	58658879	58658993	58.66	4.00E-10	NA
CL383730	RP44_327I9	SP6	2	58720843	58722021	58.72	7.00E-18	LOC351168
CL387872	RP44_283C21	SP6	2	58804665	58805242	58.80	4.00E-53	NA
CL372896	RP44_307E24	T7	2	58992691	58993069	58.99	4.00E-13	LOC344414
CL378608	RP44_424F4	T7	2	59041291	59041412	59.04	1.00E-10	NA
CL370751	RP44_300A9	SP6	2	59121153	59121885	59.12	e-166	NA
CL378672	RP44_424F4	SP6	2	59210968	59211458	59.21	0	LOC344417
CL348516	RP44_274D10	SP6	2	59367191	59367338	59.37	5.00E-37	NA
CL361147	RP44_344J14	T7	2	59554315	59554541	59.55	3.00E-13	LOC344418
CL384212	RP44_328P9	SP6	2	59600471	59600868	59.60	2.00E-58	LOC344418
CL384134	RP44_328P9	T7	2	59725434	59725532	59.73	3.00E-14	NA
CL361218	RP44_344J14	SP6	2	59766003	59766560	59.77	e-114	LOC351169
CL440090	RP44_299H6	T7	2	59956649	59957054	59.96	0	LOC344419
CL323236	RP44_457J6	SP6	2	59990807	60744769	60.37	7.00E-12	LOC344419
CL370602	RP44_296A1	T7	2	60041262	60041527	60.04	8.00E-72	LOC344419
CL388366	RP44_284L7	SP6	2	60103816	60104206	60.10	2.00E-32	LOC351170
CL340860	RP44_258P17	SP6	2	60178023	60178369	60.18	8.00E-70	LOC344420
CL439991	RP44_299M18	SP6	2	60588604	60589029	60.59	4.00E-10	NA
CL346292	RP44_270D11	T7	2	60711885	60712209	60.71	2.00E-32	BCL11A

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CL361119	RP44_344D16	T7	2	60714622	60715012	60.71	e-107	BCL11A
CL383787	RP44_327E22	T7	2	60714778	60715337	60.72	3.00E-91	BCL11A
CL348061	RP44_273F8	SP6	2	60722980	60723362	60.72	1.00E-46	BCL11A
CL348045	RP44_273B6	SP6	2	60722980	60723412	60.72	6.00E-67	BCL11A
CL440053	RP44_299M18	T7	2	60761567	60762474	60.76	3.00E-57	NA
CL364594	RP44_396F24	SP6	2	61085832	61085957	61.09	1.00E-21	REL
CL361911	RP44_353M21	T7	2	61103494	61103931	61.10	5.00E-13	REL
CL349670	RP44_309F5	SP6	2	61137875	61137973	61.14	1.00E-28	FLJ32312
CL372985	RP44_307K14	SP6	2	61151369	61151476	61.15	5.00E-29	FLJ32312
CL349599	RP44_309F5	T7	2	61293559	61293800	61.29	9.00E-08	KIAA1841
CL372920	RP44_307K14	T7	2	61306010	61306117	61.31	4.00E-34	KIAA1841
CL322371	RP44_404F2	T7	2	61707918	61708385	61.71	9.00E-88	XPO1
CL379908	RP44_428C6	SP6	2	62712996	62713070	62.71	7.00E-24	NA
CL339285	RP44_268D23	SP6	2	62984952	62985576	62.99	5.00E-22	KIAA0903
CL352429	RP44_401M9	SP6	2	63030317	63030477	63.03	9.00E-13	KIAA0903
CL363844	RP44_392O8	T7	2	63098409	63098580	63.10	1.00E-48	KIAA0903
CL339202	RP44_268D23	T7	2	63151941	63152496	63.15	0	KIAA0903
CL346371	RP44_270D19	SP6	2	63187998	63188454	63.19	0	KIAA0903
CL381962	RP44_323A12	T7	2	63402835	63403021	63.40	7.00E-12	LOC51057
CL380305	RP44_428N8	SP6	2	63560833	63561006	63.56	3.00E-38	LOC51057
CL387748	RP44_282I23	SP6	2	63724930	63725021	63.72	5.00E-13	LOC51057
CL388836	RP44_285K20	SP6	2	63913648	63913706	63.91	7.00E-12	NA
CL335492	RP44_253B17	SP6	2	64013526	64013797	64.01	2.00E-30	LOC344431
CL348605	RP44_275E13	T7	2	64077761	64078405	64.08	0	HCC8
CL376016	RP44_443A1	T7	2	64365296	64365972	64.37	5.00E-21	NA
CL374442	RP44_470I11	SP6	2	64386641	64386942	64.39	3.00E-28	DKFZp434G179
CL371091	RP44_301G17	SP6	2	64403996	64404260	64.40	1.00E-30	NA
CL388050	RP44_284K21	SP6	2	64435817	64436114	64.44	6.00E-74	LOC344432
CL362544	RP44_380I11	T7	2	64448387	64448425	64.45	4.00E-07	NA
CL346617	RP44_271C18	T7	2	64609010	64609065	64.61	4.00E-10	NA
CL353663	RP44_403F9	T7	2	64625371	64625751	64.63	2.00E-12	NA
CL371022	RP44_301G17	T7	2	64638172	64638329	64.64	1.00E-24	NA
CL372412	RP44_305J4	T7	2	64736084	64736421	64.74	4.00E-47	FLJ20080
CL323305	RP44_458C13	T7	2	64904946	64905076	64.91	6.00E-09	NA
CL362790	RP44_380B2	T7	2	64908725	64908852	64.91	2.00E-24	NA
CL359385	RP44_336N19	SP6	2	65220029	65220243	65.22	8.00E-27	LOC200731
CL333134	RP44_249E7	T7	2	65501154	65501606	65.50	3.00E-07	LOC200734
CL333202	RP44_249E7	SP6	2	65684620	65684662	65.68	5.00E-07	LOC285168
CL351465	RP44_312P18	SP6	2	65684620	65684662	65.68	4.00E-07	LOC285168
CL328642	RP44_370D8	SP6	2	65783420	65783672	65.78	3.00E-35	LOC285168
CL332234	CH242_10C6	SP6	2	65822131	65824249	65.82	6.00E-06	LOC285168
CL414206	RP44_436K4	T7	2	65931025	65931113	65.93	3.00E-06	NA
CL328641	RP44_370D8	T7	2	65976118	65976507	65.98	e-108	LOC344441
CL379117	RP44_426A11	SP6	2	66103221	66103461	66.10	6.00E-09	LOC344442
CL413814	RP44_435O15	SP6	2	66570353	66570738	66.57	e-125	NA
CL376814	RP44_445F9	SP6	2	66694669	66695157	66.69	e-113	MEIS1
CL352389	RP44_401C9	SP6	2	66720572	66721014	66.72	e-111	MEIS1
CL375735	RP44_436D2	SP6	2	66720960	66721444	66.72	e-129	MEIS1
CL413882	RP44_435O16	T7	2	66754507	66755027	66.75	0	MEIS1
CL325468	RP44_241B1	SP6	2	66754507	66755079	66.75	0	MEIS1
CL325571	RP44_241F22	T7	2	66788135	66788504	66.79	7.00E-27	LOC351179
CL332681	CH242_12G8	T7	2	66793347	66793402	66.79	1.00E-07	LOC351179
CL375653	RP44_436D2	T7	2	66964640	66965584	66.97	8.00E-30	NA
CL325640	RP44_241F22	SP6	2	67015874	67016245	67.02	3.00E-41	LOC130802
CL379153	RP44_426G17	SP6	2	67051714	67052059	67.05	1.00E-28	NA
CL379781	RP44_428K7	SP6	2	67070647	67070834	67.07	3.00E-08	NA
CL359134	RP44_335J4	T7	2	67071134	67071183	67.07	1.00E-13	NA
CL379685	RP44_428I11	T7	2	67179785	67180158	67.18	6.00E-58	NA
CL379772	RP44_428I11	SP6	2	67406225	67406754	67.41	0	LOC344450
CL330036	CH242_3K10	T7	2	67417197	67417274	67.42	2.00E-07	LOC344450
CL354748	RP44_408K6	T7	2	67574510	67574664	67.57	9.00E-07	NA
CL409633	RP44_417L5	SP6	2	67661670	67661979	67.66	4.00E-28	NA
CL329103	RP44_382D12	SP6	2	67805421	67805680	67.81	5.00E-21	NA
CL346193	RP44_270M23	T7	2	67821660	67821704	67.82	6.00E-06	NA
CL410864	RP44_420E5	T7	2	67879152	67879688	67.88	2.00E-33	NA

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CL384876	RP44_329H4	T7	2	68039316	68039620	68.04	1.00E-96	LOC351180
CL343356	RP44_276H13	SP6	2	68073209	68073524	68.07	5.00E-31	LOC351180
CL384939	RP44_329H4	SP6	2	68224113	68224618	68.22	4.00E-56	NA
CL346066	RP44_269B9	SP6	2	68226980	68227071	68.23	1.00E-11	C1D
CL346106	RP44_269H9	SP6	2	68226980	68227071	68.23	3.00E-12	C1D
CL347901	RP44_273A12	SP6	2	68479823	68480013	68.48	3.00E-67	DKFZP566K1924
CL347824	RP44_273A12	T7	2	68706841	68706913	68.71	5.00E-12	MGC47799
CL343382	RP44_276N3	SP6	2	69163583	69163835	69.16	2.00E-46	AMP18
CL361340	RP44_350C21	SP6	2	69201975	69202222	69.20	2.00E-12	TEM8
CL361266	RP44_350C21	T7	2	69201975	69202222	69.20	2.00E-12	TEM8
CL381355	RP44_315N19	SP6	2	69250524	69250651	69.25	6.00E-12	TEM8
CL381269	RP44_315N19	T7	2	69416053	69416368	69.42	2.00E-11	TEM8
CL321375	CH242_15N20	SP6	2	69482047	69482151	69.48	8.00E-07	NA
CL387456	RP44_281B1	T7	2	69522697	69522908	69.52	3.00E-57	GFPT1
CL367043	RP44_364E9	T7	2	69661431	69661950	69.66	e-103	AAK1
CL409766	RP44_417J22	SP6	2	69690132	69690555	69.69	2.00E-45	AAK1
CL381778	RP44_316E2	SP6	2	69694066	69694118	69.69	2.00E-20	AAK1
CL414040	RP44_435N8	T7	2	69717849	69717960	69.72	8.00E-17	AAK1
CL381714	RP44_316E2	T7	2	69845864	69845925	69.85	2.00E-07	NA
CL385207	RP44_330E6	SP6	2	69956304	69956353	69.96	7.00E-09	ANXA4
CL357954	RP44_413L12	SP6	2	70226369	70226495	70.23	1.00E-16	LOC285002
CL369225	RP44_290K18	T7	2	70229139	70229964	70.23	4.00E-10	LOC285002
CL324264	RP44_474G20	T7	2	70253808	70254028	70.25	5.00E-09	LOC285002
CL372710	RP44_306B12	T7	2	70258488	70258593	70.26	4.00E-25	LOC285002
CL369924	RP44_292B22	SP6	2	70409543	70409838	70.41	1.00E-33	TIA1
CL333727	RP44_250A18	SP6	2	70859899	70860201	70.86	2.00E-14	ADD2
CL377354	RP44_449L15	SP6	2	70872666	70872997	70.87	2.00E-39	ADD2
CL440147	RP44_299D12	SP6	2	71142864	71142991	71.14	2.00E-36	MGC32043
CL348621	RP44_275I5	T7	2	71142864	71142991	71.14	1.00E-38	MGC32043
CL364355	RP44_396I20	SP6	2	71151876	71152070	71.15	8.00E-08	MGC32043
CL364280	RP44_396I20	T7	2	71533309	71533914	71.53	0	NP220
CL335279	RP44_253O11	SP6	2	71548423	71548651	71.55	9.00E-10	NP220
CL346217	RP44_270C7	SP6	2	71585340	71585733	71.59	5.00E-09	NP220
CL361988	RP44_353O21	SP6	2	71612505	71612622	71.61	1.00E-13	NP220
CL335216	RP44_253O11	T7	2	71725793	71726001	71.73	2.00E-24	DYSF
CL375265	RP44_471G4	SP6	2	71748864	71749055	71.75	3.00E-53	DYSF
CL377850	RP44_457O6	SP6	2	71945936	71946339	71.95	2.00E-17	NA
CL377764	RP44_457O6	T7	2	72115174	72115272	72.12	2.00E-14	NA
CL321217	CH242_15H17	T7	2	72134971	72135426	72.14	6.00E-21	NA
CL357570	RP44_413O22	T7	2	72198470	72198861	72.20	2.00E-11	NA
CL361512	RP44_350L24	SP6	2	72344309	72344759	72.34	e-144	NA
CL367201	RP44_365G21	T7	2	72447013	72447505	72.45	1.00E-09	SEC15B
CL389520	RP44_286N14	T7	2	72448087	72448669	72.45	e-161	SEC15B
CL346725	RP44_271I20	SP6	2	72476153	72476684	72.48	e-113	SEC15B
CL352835	RP44_401F8	SP6	2	72749318	72749790	72.75	1.00E-25	SEC15B
CL328189	RP44_248K23	SP6	2	72811990	72812201	72.81	5.00E-16	SEC15B
CL328114	RP44_248K23	T7	2	72973306	72973833	72.97	3.00E-12	SEC15B
CL369864	RP44_292D18	T7	2	72973306	72973890	72.97	3.00E-25	SEC15B
CL375244	RP44_471C2	SP6	2	73078598	73078687	73.08	1.00E-11	NA
CL375110	RP44_471I15	SP6	2	73078598	73078687	73.08	2.00E-11	NA
CL389331	RP44_286H1	T7	2	73087569	73087845	73.09	2.00E-92	NA
CL334786	RP44_252C17	SP6	2	73699161	73699205	73.70	4.00E-06	ALMS1
CL368395	RP44_289I21	T7	2	73947322	73947652	73.95	6.00E-06	DUSP11
CL322014	RP44_399F3	T7	2	74090648	74090708	74.09	2.00E-08	ACTG2
CL368481	RP44_289I21	SP6	2	74157312	74157357	74.16	9.00E-14	NA
CL377805	RP44_457G2	SP6	2	74188186	74188374	74.19	1.00E-41	NA
CL324080	RP44_463B6	T7	2	74598215	74598332	74.60	1.00E-18	NA
CL414026	RP44_435H22	T7	2	74610249	74610506	74.61	3.00E-27	FLJ12953
CL360417	RP44_339E16	SP6	2	74852376	74852468	74.85	2.00E-07	SEMA4F
CL325312	RP44_241K7	T7	2	75001044	75001104	75.00	4.00E-06	LOC344027
CL345722	RP44_280F9	SP6	2	75384158	75384478	75.38	3.00E-29	LOC344030
CL377753	RP44_457M8	T7	2	76373601	76373651	76.37	3.00E-07	NA
CL324141	RP44_463L2	T7	2	76554544	76554968	76.55	6.00E-18	LOC351190
CL385770	RP44_332O18	T7	2	76643595	76643848	76.64	1.00E-65	LOC351190
CL385759	RP44_332M16	T7	2	76643661	76643848	76.64	2.00E-57	LOC351190

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL342499	RP44_262E10	SP6	2	76728784	76728820	76.73	4.00E-06	NA
CL369426	RP44_291K11	SP6	2	77113155	77113463	77.11	4.00E-83	LOC344033
CL372403	RP44_305H10	T7	2	77153615	77153916	77.15	3.00E-42	LOC344033
CL373817	RP44_469O17	SP6	2	77203174	77203320	77.20	7.00E-36	LOC344034
CL370229	RP44_295A5	T7	2	77203174	77203320	77.20	3.00E-38	LOC344034
CL332430	CH242_10J5	SP6	2	77334433	77334943	77.33	1.00E-12	LOC344034
CL368039	RP44_288M10	SP6	2	77382190	77382322	77.38	6.00E-14	NA
CL371723	RP44_304O6	SP6	2	77648941	77648980	77.65	3.00E-10	NA
CL339550	RP44_255H8	T7	2	77658179	77658741	77.66	e-156	NA
CL366377	RP44_358B8	SP6	2	77695291	77695360	77.70	2.00E-11	NA
CL350462	RP44_310F14	SP6	2	77814549	77815148	77.81	4.00E-23	LOC344036
CL410869	RP44_420E19	T7	2	78453016	78453188	78.45	1.00E-09	NA
CL365239	RP44_400B10	SP6	2	78475510	78475562	78.48	5.00E-06	NA
CL327594	RP44_246I23	SP6	2	78638776	78638990	78.64	3.00E-20	NA
CL410953	RP44_420E19	SP6	2	78638776	78638990	78.64	2.00E-20	NA
CL345366	RP44_280O1	T7	2	78638870	78639213	78.64	3.00E-20	NA
CL365313	RP44_400B10	T7	2	78676628	78676742	78.68	8.00E-27	NA
CL440039	RP44_299K2	T7	2	78704231	78704291	78.70	4.00E-06	LOC344038
CL367367	RP44_367O16	T7	2	78752608	78752703	78.75	4.00E-10	LOC344038
CL359071	RP44_335L19	SP6	2	78799263	78799334	78.80	4.00E-10	NA
CL388504	RP44_284H10	SP6	2	79456302	79456466	79.46	7.00E-16	LOC344039
CL344384	RP44_278J21	T7	2	79660346	79660483	79.66	8.00E-21	NA
CL384142	RP44_328B7	SP6	2	80060211	80060346	80.06	6.00E-09	CTNNA2
CL323124	RP44_457D5	SP6	2	80134712	80134986	80.13	8.00E-14	CTNNA2
CL384068	RP44_328B7	T7	2	80186768	80187381	80.19	2.00E-37	CTNNA2
CL372766	RP44_306L20	T7	2	80230585	80230854	80.23	1.00E-59	CTNNA2
CL342072	RP44_261N15	SP6	2	80531718	80532050	80.53	9.00E-91	CTNNA2
CL411975	RP44_430M6	T7	2	80598852	80598981	80.60	1.00E-16	CTNNA2
CL351307	RP44_312E2	T7	2	80791441	80791641	80.79	3.00E-20	CTNNA2
CL375107	RP44_471I9	SP6	2	80800422	80800809	80.80	3.00E-38	CTNNA2
CL331159	CH242_6N15	SP6	2	80873516	80873679	80.87	4.00E-22	NA
CL372197	RP44_305O9	SP6	2	80879892	80879955	80.88	5.00E-15	NA
CL340042	RP44_256P10	T7	2	80983687	80983983	80.98	1.00E-87	LOC344041
CL361586	RP44_351K19	T7	2	81089748	81089961	81.09	1.00E-09	LOC344042
CL361672	RP44_351K19	SP6	2	81089748	81090055	81.09	7.00E-15	LOC344042
CL356045	RP44_410B16	T7	2	81128022	81128489	81.13	2.00E-18	LOC344042
CL386033	RP44_332H22	T7	2	81227510	81227562	81.23	6.00E-06	LOC344042
CL370424	RP44_295J15	SP6	2	81578764	81578832	81.58	3.00E-13	LOC351192
CL366890	RP44_363A9	T7	2	82122016	82122220	82.12	2.00E-18	NA
CL323335	RP44_458G3	SP6	2	83142424	83142687	83.14	1.00E-13	LOC344044
CL334091	RP44_250P22	SP6	2	83484255	83484395	83.48	4.00E-07	LOC339715
CL332740	CH242_12A14	SP6	2	84261545	84261862	84.26	5.00E-34	NA
CL361975	RP44_353M11	SP6	2	84273126	84273309	84.27	5.00E-22	NA
CL327601	RP44_246K13	SP6	2	84488929	84489096	84.49	9.00E-08	NA
CL322357	RP44_404O24	SP6	2	84492488	84492607	84.49	6.00E-06	NA
CL321541	CH242_20P22	T7	2	84608967	84609073	84.61	8.00E-11	SUCLG1
CL327079	RP44_245E9	T7	2	84912468	84912715	84.91	1.00E-48	FLJ23529
CL360224	RP44_338P20	T7	2	85783465	85783683	85.78	2.00E-53	FLJ90024
CL332033	CH242_10O13	T7	2	86055377	86055409	86.06	5.00E-06	SIAT9
CL353740	RP44_403J7	SP6	2	86262962	86263122	86.26	5.00E-45	POLR1A
CL355641	RP44_410M3	T7	2	86634625	86634835	86.63	4.00E-62	JMJD1
CL320416	CH242_6L6	T7	2	86638200	86638280	86.64	2.00E-06	JMJD1
CL368509	RP44_289O15	SP6	2	89020000	89020201	89.02	4.00E-07	LOC344168
CL349013	RP44_275D15	SP6	2	95310501	95310596	95.31	8.00E-11	ZNF2
CL371869	RP44_304L1	SP6	2	96404772	96405409	96.41	1.00E-72	CIAO1
CL330757	CH242_4N2	T7	2	96409202	96409318	96.41	1.00E-08	U5-200KD
CL332216	CH242_10O14	T7	2	96483941	96484023	96.48	1.00E-09	BRN1
CL352552	RP44_401K22	SP6	2	96803785	96803938	96.80	5.00E-21	LOC90342
CL345698	RP44_280B9	SP6	2	97881601	97881684	97.88	3.00E-29	ACTR1B
CL345549	RP44_280C8	SP6	2	97881601	97881684	97.88	3.00E-29	ACTR1B
CL363738	RP44_389B19	T7	2	97947311	97947448	97.95	9.00E-11	ZAP70
CL382756	RP44_325O17	T7	2	98215511	98215910	98.22	2.00E-09	PRO1048
CL412477	RP44_431O21	T7	2	98438874	98439365	98.44	2.00E-52	MGC26733
CL347967	RP44_273B6	T7	2	98447158	98447228	98.45	2.00E-06	MGC26733
CL383866	RP44_327E22	SP6	2	98447158	104210115	101.33	4.00E-07	MGC26733

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL373654	RP44_469A17	T7	2	98826939	98827033	98.83	1.00E-15	NA
CL364979	RP44_400M14	T7	2	99013961	99014010	99.01	1.00E-06	NA
CL353007	RP44_402I7	SP6	2	99167923	99168150	99.17	2.00E-57	LOC343991
CL380506	RP44_429C2	T7	2	99342851	99342881	99.34	4.00E-07	TSGA10
CL359204	RP44_335H18	SP6	2	99580574	99580814	99.58	3.00E-19	IF2
CL387335	RP44_281G20	T7	2	100255460	100255885	100.26	4.00E-28	LAF4
CL321771	CH242_13L9	T7	2	100288909	100289057	100.29	2.00E-08	LAF4
CL346277	RP44_270B1	T7	2	100358270	100358538	100.36	6.00E-39	LOC343992
CL322046	RP44_399H15	T7	2	100984901	100985083	100.98	1.00E-12	NA
CL342982	RP44_276O23	T7	2	100996203	100996344	101.00	9.00E-17	NA
CL322047	RP44_399H15	SP6	2	101153874	101153918	101.15	2.00E-08	NPAS2
CL379943	RP44_428I8	SP6	2	101185970	101186019	101.19	5.00E-09	NPAS2
CL381571	RP44_316I9	T7	2	101231930	101232075	101.23	6.00E-49	VRP
CL340897	RP44_258H14	T7	2	101507062	101507306	101.51	8.00E-73	LOC284996
CL359223	RP44_335L16	SP6	2	101654559	101654794	101.65	1.00E-50	LOC343995
CL324860	RP44_478N7	T7	2	101779590	101779625	101.78	9.00E-06	NA
CL363145	RP44_383I4	T7	2	102115519	102115785	102.12	6.00E-31	FLJ20373
CL386838	RP44_335C15	T7	2	102737049	102737631	102.74	3.00E-94	NA
CL414018	RP44_435H2	T7	2	102761644	102761897	102.76	5.00E-40	NA
CL338229	RP44_265P18	T7	2	102947880	102948012	102.95	3.00E-08	MGC11332
CL323631	RP44_458F16	SP6	2	103195412	103196083	103.20	4.00E-13	LOC343997
CL410644	RP44_419D9	SP6	2	103623004	103623421	103.62	e-143	LOC343998
CL348829	RP44_275A10	SP6	2	103824742	103825020	103.82	1.00E-78	NA
CL349695	RP44_309J21	SP6	2	103966384	103966466	103.97	9.00E-17	LOC339710
CL353136	RP44_402C18	SP6	2	103966384	103966466	103.97	1.00E-16	LOC339710
CL366331	RP44_358H2	T7	2	104036044	104036316	104.04	e-108	LOC348669
CL348738	RP44_275A10	T7	2	104072170	104072374	104.07	5.00E-07	NA
CL320564	CH242_10J4	T7	2	104150307	104150449	104.15	1.00E-16	NA
CL320565	CH242_10J4	SP6	2	104340624	104340749	104.34	7.00E-06	LOC351117
CL333969	RP44_250H6	T7	2	104424611	104424931	104.42	e-123	NA
CL335599	RP44_253J10	T7	2	104424611	104424949	104.42	e-141	NA
CL361829	RP44_351L11	SP6	2	104670227	104670577	104.67	e-134	LOC150568
CL412670	RP44_431E16	SP6	2	104677175	104677250	104.68	3.00E-10	LOC150568
CL328376	RP44_248B5	T7	2	104868691	104869161	104.87	2.00E-73	NA
CL328451	RP44_248B5	SP6	2	105058775	105059336	105.06	2.00E-12	NA
CL367765	RP44_372F19	T7	2	105059059	105059336	105.06	1.00E-12	NA
CL355352	RP44_409L9	T7	2	105278731	105279097	105.28	6.00E-80	MRPS9
CL349962	RP44_310A23	SP6	2	105516086	105516131	105.52	7.00E-07	TGFBRAP1
CL333060	RP44_248H14	SP6	2	105708278	105708449	105.71	2.00E-24	NA
CL359404	RP44_336B22	T7	2	105708278	105708449	105.71	2.00E-24	NA
CL349142	RP44_308H4	T7	2	105817043	105817138	105.82	9.00E-08	LOC285000
CL348035	RP44_273P4	T7	2	106834564	106834726	106.83	5.00E-10	LOC344535
CL348109	RP44_273P4	SP6	2	107114199	107114535	107.11	2.00E-54	LOC151545
CL335316	RP44_253G12	T7	2	107114345	107114572	107.11	2.00E-10	LOC151545
CL386595	RP44_334H11	T7	2	108693844	108693995	108.69	6.00E-23	GCC185
CL363630	RP44_388H8	SP6	2	109924346	109924790	109.92	2.00E-12	NA
CL342858	RP44_275J2	SP6	2	111337144	111337299	111.34	3.00E-17	BUB1
CL352250	RP44_314K9	SP6	2	111350203	111350312	111.35	1.00E-09	LOC339693
CL385075	RP44_330G15	SP6	2	111535276	111535345	111.54	6.00E-06	FLJ11042
CL409481	RP44_417E24	SP6	2	111650238	111650325	111.65	1.00E-06	FLJ11042
CL385006	RP44_330G15	T7	2	111766573	111766778	111.77	6.00E-24	NA
CL336076	RP44_255C5	SP6	2	111787587	111787801	111.79	8.00E-64	BCL2L11
CL327602	RP44_246K15	SP6	2	112349802	112349922	112.35	2.00E-42	LOC343944
CL359631	RP44_337K23	SP6	2	112975962	112976415	112.98	1.00E-56	LOC284957
CL374058	RP44_469N19	T7	2	113212894	113213006	113.21	6.00E-15	POLR1B
CL373578	RP44_457B18	T7	2	113239236	113239778	113.24	e-162	POLR1B
CL323201	RP44_457B18	SP6	2	113389765	113389949	113.39	2.00E-45	LOC284958
CL382807	RP44_325K5	SP6	2	113703173	113703226	113.70	2.00E-06	IL1F8
CL329825	CH242_3C9	T7	2	113795428	113795553	113.80	7.00E-23	IL1RN
CL339249	RP44_268N11	T7	2	113941853	113941958	113.94	2.00E-35	PAX8
CL329607	RP44_394L13	SP6	2	114539753	114539831	114.54	1.00E-12	NA
CL354935	RP44_408B21	SP6	2	114539753	114539831	114.54	1.00E-12	NA
CL409847	RP44_418K3	SP6	2	114551260	114551319	114.55	4.00E-06	NA
CL351836	RP44_313H15	T7	2	114654978	114655096	114.66	2.00E-09	LOC284968
CL364723	RP44_398B7	SP6	2	114733255	114733524	114.73	4.00E-07	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL386633	RP44_334P15	T7	2	114868158	114868465	114.87	2.00E-86	NA
CL386414	RP44_333L4	SP6	2	114932443	114932604	114.93	3.00E-23	NA
CL386703	RP44_334P15	SP6	2	114932443	114933344	114.93	3.00E-23	NA
CL385656	RP44_332C23	SP6	2	114955351	114955698	114.96	e-112	NA
CL363257	RP44_383O18	SP6	2	115089458	115090478	115.09	1.00E-10	NA
CL361190	RP44_344D14	SP6	2	115142217	115142245	115.14	5.00E-06	LOC343954
CL389367	RP44_286N21	T7	2	115159722	115159990	115.16	2.00E-11	LOC343954
CL410495	RP44_419K14	T7	2	115204972	115205102	115.21	4.00E-19	LOC343954
CL363179	RP44_383O18	T7	2	115217387	115217834	115.22	8.00E-30	LOC343954
CL337147	RP44_264C9	SP6	2	115454639	115455351	115.45	9.00E-59	NA
CL337148	RP44_264C11	SP6	2	115454639	115455359	115.45	1.00E-62	NA
CL337068	RP44_264C11	T7	2	115605111	115605774	115.61	4.00E-44	NA
CL337067	RP44_264C9	T7	2	115605263	115605536	115.61	4.00E-37	NA
CL388589	RP44_285I7	T7	2	115703873	115703931	115.70	2.00E-06	NA
CL387502	RP44_281J13	T7	2	115806547	115806664	115.81	5.00E-22	NA
CL337443	RP44_264B1	SP6	2	115909195	123684523	119.80	3.00E-11	NA
CL349736	RP44_309D6	T7	2	116108637	116108740	116.11	2.00E-24	DPRP3
CL353786	RP44_403F8	T7	2	116160312	116160572	116.16	3.00E-16	DPRP3
CL377603	RP44_457O11	T7	2	116404044	116404291	116.40	e-101	DPRP3
CL334146	RP44_251K9	T7	2	116404051	116404291	116.40	6.00E-97	DPRP3
CL330502	CH242_4I1	T7	2	116792874	116793116	116.79	1.00E-08	LOC351096
CL359040	RP44_335F21	SP6	2	117055927	117056007	117.06	2.00E-06	NA
CL364827	RP44_400E15	SP6	2	117055927	117056007	117.06	1.00E-06	NA
CL327343	RP44_245B23	T7	2	117911441	117911583	117.91	1.00E-26	LOC343957
CL341832	RP44_261K16	T7	2	117917058	117917503	117.92	5.00E-59	LOC343957
CL332876	CH242_12N9	T7	2	118067041	118067140	118.07	6.00E-08	NA
CL359102	RP44_335B24	T7	2	118115079	118115123	118.12	2.00E-08	LOC351099
CL334006	RP44_250P4	T7	2	118204345	118204593	118.20	3.00E-23	NA
CL385198	RP44_330C4	SP6	2	118295356	118295945	118.30	e-147	NA
CL328842	RP44_373J4	SP6	2	118506073	118506201	118.51	2.00E-08	LOC343958
CL390298	RP44_288M16	T7	2	118584451	118584535	118.58	6.00E-06	FLJ10996
CL328841	RP44_373J4	T7	2	118716151	118716552	118.72	e-155	NA
CL340869	RP44_258B14	T7	2	118717803	119211796	118.96	e-132	NA
CL363085	RP44_383K19	SP6	2	119105310	119105580	119.11	6.00E-06	LOC339697
CL322616	RP44_416C4	T7	2	119162747	119163261	119.16	0	NA
CL408845	RP44_416K19	T7	2	119162749	119163165	119.16	0	NA
CL363003	RP44_383K19	T7	2	119249124	119249570	119.25	e-113	LOC343961
CL408917	RP44_416K19	SP6	2	119323521	119323905	119.32	2.00E-23	NA
CL322617	RP44_416C4	SP6	2	119323619	119323905	119.32	2.00E-17	NA
CL345692	RP44_280P21	T7	2	119330540	119330680	119.33	3.00E-17	NA
CL332535	CH242_12K17	T7	2	119350934	119351368	119.35	3.00E-32	LOC351100
CL332278	CH242_10K8	SP6	2	119412818	119412894	119.41	1.00E-10	LOC351100
CL328546	RP44_248D24	T7	2	119514937	119514988	119.51	9.00E-06	NA
CL365418	RP44_353H20	T7	2	119768480	119768938	119.77	1.00E-28	NA
CL321310	CH242_15B4	SP6	2	119910285	119910717	119.91	2.00E-29	TSAP6
CL348755	RP44_275C20	T7	2	119919018	119919248	119.92	4.00E-72	TSAP6
CL337819	RP44_265O15	SP6	2	120251743	120251828	120.25	1.00E-06	LOC200373
CL356036	RP44_410P17	SP6	2	120264798	120265761	120.27	9.00E-42	LOC200373
CL336349	RP44_263O11	T7	2	120264932	120265053	120.26	1.00E-11	LOC200373
CL337740	RP44_265O15	T7	2	120476207	120476243	120.48	3.00E-06	PTPN4
CL342095	RP44_261D20	T7	2	120527571	120527867	120.53	7.00E-09	PTPN4
CL323388	RP44_458K19	T7	2	120768925	120769516	120.77	1.00E-22	EPB41L5
CL379464	RP44_426B2	T7	2	120800209	120800259	120.80	4.00E-07	EPB41L5
CL357950	RP44_413L4	SP6	2	121100772	121101006	121.10	1.00E-06	LOC351103
CL361163	RP44_344N16	T7	2	121654997	121655368	121.66	8.00E-17	GLI2
CL365382	RP44_353B4	T7	2	122516265	122516439	122.52	7.00E-36	LOC343968
CL356496	RP44_411J11	T7	2	122539602	122539649	122.54	1.00E-12	LOC343968
CL370767	RP44_300E3	SP6	2	122586005	122586295	122.59	2.00E-11	LOC343968
CL335294	RP44_253C4	T7	2	122810163	122810415	122.81	3.00E-10	LOC343969
CL373359	RP44_308F5	T7	2	122821239	122821364	122.82	9.00E-14	LOC343969
CL352574	RP44_401B13	T7	2	123230269	123230441	123.23	3.00E-16	NA
CL345323	RP44_280I3	T7	2	123792184	123792668	123.79	3.00E-17	NA
CL345334	RP44_280K3	T7	2	123792184	123792668	123.79	3.00E-17	NA
CL330026	CH242_3I12	T7	2	124560063	124560311	124.56	5.00E-33	LOC348661
CL366332	RP44_358H6	T7	2	124583613	124583660	124.58	8.00E-08	LOC348661

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL323696	RP44_458L10	SP6	2	124679085	124679138	124.68	9.00E-14	NA
CL375225	RP44_471O8	T7	2	125138807	125139047	125.14	1.00E-43	caspr5
CL375052	RP44_471O9	T7	2	125138807	125139047	125.14	1.00E-43	caspr5
CL373345	RP44_308B17	T7	2	125451679	125451841	125.45	2.00E-24	caspr5
CL369239	RP44_290M22	T7	2	125465962	125466119	125.47	4.00E-25	caspr5
CL369326	RP44_290M22	SP6	2	125681754	125681856	125.68	2.00E-09	NA
CL336049	RP44_255M13	T7	2	126294085	126294636	126.29	2.00E-77	NA
CL414443	RP44_436J9	SP6	2	126294085	126294676	126.29	1.00E-93	NA
CL324426	RP44_474J4	T7	2	126384478	126384574	126.38	8.00E-11	NA
CL357279	RP44_412F22	SP6	2	129361071	129361152	129.36	5.00E-14	NA
CL328622	RP44_370B4	SP6	2	129411558	129411602	129.41	2.00E-13	NA
CL390276	RP44_288I4	T7	2	129412451	129412533	129.41	1.00E-09	NA
CL365858	RP44_356E15	SP6	2	129532618	129532654	129.53	6.00E-06	LOC344221
CL388360	RP44_284J17	SP6	2	129726465	129726694	129.73	2.00E-17	NA
CL362179	RP44_375I21	SP6	2	132983385	141499773	137.24	5.00E-18	LRP1B
CL367195	RP44_365G9	T7	2	133401295	133401389	133.40	1.00E-09	GPR39
CL367259	RP44_365G9	SP6	2	133544712	133544902	133.54	1.00E-13	LOC344148
CL342967	RP44_276M11	T7	2	133570739	133570777	133.57	4.00E-07	LOC344148
CL343795	RP44_277O8	T7	2	133599214	133599771	133.60	6.00E-99	LOC351232
CL369373	RP44_291K13	T7	2	133676305	133676594	133.68	3.00E-31	NA
CL369884	RP44_292H24	T7	2	133676439	133676594	133.68	3.00E-41	NA
CL368129	RP44_288B3	SP6	2	133745879	133745956	133.75	6.00E-09	NA
CL440213	RP44_300A23	T7	2	133878094	133878610	133.88	e-115	NA
CL370756	RP44_300A23	SP6	2	134046869	134047366	134.05	2.00E-33	NA
CL338457	RP44_266M5	SP6	2	134077281	134077743	134.08	1.00E-19	NA
CL413034	RP44_431N12	SP6	2	134119546	134119760	134.12	8.00E-30	NA
CL350907	RP44_311B17	SP6	2	134154733	134154808	134.15	3.00E-10	NA
CL410469	RP44_419E12	T7	2	134255538	134256426	134.26	6.00E-24	NA
CL349291	RP44_309G5	T7	2	134263839	134263965	134.26	1.00E-21	NA
CL338374	RP44_266M5	T7	2	134281616	134281712	134.28	7.00E-12	NA
CL346454	RP44_270D18	T7	2	134535618	134536022	134.54	1.00E-68	NA
CL385627	RP44_332M23	T7	2	134546215	134546264	134.55	2.00E-06	NA
CL385635	RP44_332O23	T7	2	134546215	134546535	134.55	1.00E-06	NA
CL325432	RP44_241J3	T7	2	134608084	134608155	134.61	1.00E-06	NA
CL325509	RP44_241J3	SP6	2	134767065	134767298	134.77	9.00E-36	NA
CL327417	RP44_245D13	SP6	2	134767065	134767298	134.77	5.00E-36	NA
CL382906	RP44_325O16	T7	2	134769727	134769897	134.77	2.00E-30	NA
CL382984	RP44_325O16	SP6	2	134927249	134927492	134.93	4.00E-44	NA
CL388136	RP44_284M22	T7	2	135410741	135410988	135.41	4.00E-22	DKFZP566N034
CL324207	RP44_474C2	SP6	2	135706489	135706589	135.71	4.00E-07	CCNT2
CL367252	RP44_365E15	SP6	2	135772248	135772322	135.77	1.00E-09	NA
CL336960	RP44_263N22	T7	2	135779816	135779957	135.78	3.00E-23	NA
CL364942	RP44_400E12	T7	2	135837880	135838124	135.84	5.00E-67	RAB3GAP
CL389977	RP44_287N6	T7	2	136010403	136010834	136.01	2.00E-14	DKFZP434B1727
CL384185	RP44_328J15	SP6	2	136082147	136082980	136.08	1.00E-22	DKFZP434B1727
CL371768	RP44_304H17	T7	2	136425267	136425452	136.43	2.00E-73	R3HDM
CL367381	RP44_367A20	SP6	2	136535425	136535511	136.54	8.00E-12	UBXD2
CL346159	RP44_270E13	T7	2	136631299	136631477	136.63	3.00E-58	MCM6
CL348285	RP44_274D15	T7	2	136745070	136745413	136.75	4.00E-07	DARS
CL364844	RP44_400I15	SP6	2	137012032	137012516	137.01	4.00E-15	LOC344151
CL381153	RP44_314J2	SP6	2	137306923	137307375	137.31	4.00E-87	NA
CL413836	RP44_435E12	T7	2	137417006	137417404	137.42	3.00E-36	NA
CL348002	RP44_273H22	T7	2	137433890	137434365	137.43	2.00E-39	NA
CL387346	RP44_281I20	T7	2	137627721	137627989	137.63	6.00E-09	LOC351238
CL347151	RP44_272M23	T7	2	137753389	137753727	137.75	1.00E-50	NA
CL349708	RP44_309N1	SP6	2	137787851	137788180	137.79	4.00E-19	NA
CL346600	RP44_270P24	SP6	2	137822703	137822931	137.82	2.00E-12	NA
CL347226	RP44_272M23	SP6	2	137933246	137933803	137.93	e-145	KIAA1679
CL370363	RP44_295H15	T7	2	137945142	137945303	137.95	9.00E-16	KIAA1679
CL386867	RP44_335I19	T7	2	137945142	137945337	137.95	8.00E-24	KIAA1679
CL326401	RP44_243B3	SP6	2	138316701	138316777	138.32	8.00E-08	KIAA1679
CL370477	RP44_295D22	T7	2	138318297	138318513	138.32	2.00E-70	KIAA1679
CL329115	RP44_382F6	T7	2	138318297	138318513	138.32	2.00E-70	KIAA1679
CL390169	RP44_288C13	SP6	2	138325486	138325559	138.33	3.00E-07	KIAA1679
CL339314	RP44_268J21	SP6	2	138400539	138400629	138.40	4.00E-19	KIAA1679

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CL384127	RP44_328N19	T7	2	138492020	138492066	138.49	6.00E-06	NA
CL412076	RP44_430O24	SP6	2	139331293	139331322	139.33	2.00E-06	LOC339744
CL390160	RP44_288A15	SP6	2	139450432	139450778	139.45	1.00E-27	NA
CL382187	RP44_323L23	T7	2	139531532	139532046	139.53	3.00E-20	LOC351241
CL411994	RP44_430O24	T7	2	139565414	139565483	139.57	7.00E-09	NA
CL379691	RP44_428K1	T7	2	139938257	139938504	139.94	2.00E-12	NA
CL352628	RP44_401L19	T7	2	139973857	139974057	139.97	4.00E-07	NA
CL357328	RP44_412P24	SP6	2	140072820	140073071	140.07	1.00E-89	NA
CL371638	RP44_304M14	T7	2	140382342	140382567	140.38	5.00E-12	NA
CL351138	RP44_311P8	SP6	2	140598206	140598490	140.60	2.00E-10	LOC344159
CL380721	RP44_429L1	T7	2	140673513	140673791	140.67	2.00E-36	LOC344159
CL374821	RP44_470P17	SP6	2	140794720	140795094	140.79	9.00E-85	NA
CL367255	RP44_365E21	SP6	2	140822107	140822227	140.82	7.00E-18	NA
CL353121	RP44_402A6	SP6	2	140889968	140890036	140.89	2.00E-08	LOC344160
CL326574	RP44_243F14	SP6	2	140937863	140938008	140.94	4.00E-13	LOC344160
CL335624	RP44_253P10	T7	2	140937913	140938120	140.94	2.00E-12	LOC344160
CL334480	RP44_251B3	SP6	2	140980162	140980510	140.98	2.00E-73	LOC344160
CL344047	RP44_278G17	T7	2	140980162	140980510	140.98	2.00E-73	LOC344160
CL331193	CH242_7C24	T7	2	141027844	141028369	141.03	6.00E-34	LRP1B
CL355513	RP44_409N20	T7	2	141031514	141031578	141.03	4.00E-13	LRP1B
CL327052	RP44_244P8	SP6	2	141051746	141051880	141.05	4.00E-07	LRP1B
CL386509	RP44_334A16	SP6	2	141093494	141093546	141.09	1.00E-08	LRP1B
CL412566	RP44_431A24	T7	2	141102030	141102237	141.10	1.00E-10	LRP1B
CL335693	RP44_253P10	SP6	2	141132845	141133058	141.13	8.00E-64	LRP1B
CL381290	RP44_315B17	SP6	2	141164528	141164634	141.16	1.00E-16	LRP1B
CL355588	RP44_409N20	SP6	2	141236388	141236779	141.24	1.00E-46	LRP1B
CL354268	RP44_406G15	T7	2	141468209	141468440	141.47	7.00E-08	LRP1B
CL379480	RP44_426D12	T7	2	141502383	141502464	141.50	2.00E-06	LRP1B
CL348367	RP44_274D11	SP6	2	141539653	141539827	141.54	2.00E-12	LRP1B
CL322205	RP44_404M13	T7	2	141631169	141631300	141.63	4.00E-24	LRP1B
CL324234	RP44_474E12	SP6	2	141985464	141987379	141.99	7.00E-12	LRP1B
CL341299	RP44_260O19	T7	2	142317550	142317718	142.32	4.00E-13	LRP1B
CL367844	RP44_372L1	SP6	2	142563701	142563848	142.56	3.00E-29	LRP1B
CL336320	RP44_263I21	T7	2	142610473	142610595	142.61	3.00E-17	LRP1B
CL347399	RP44_272O8	SP6	2	142624560	142624663	142.62	3.00E-11	LRP1B
CL378936	RP44_425K20	T7	2	142630783	142631468	142.63	5.00E-53	LRP1B
CL365481	RP44_353F18	SP6	2	142753173	142753244	142.75	2.00E-12	LRP1B
CL375724	RP44_436B2	SP6	2	143268897	143268985	143.27	2.00E-09	NA
CL414449	RP44_436J23	SP6	2	143720175	143720388	143.72	1.00E-53	KYNU
CL377757	RP44_457M16	T7	2	143940650	143941047	143.94	2.00E-85	ARHGAP15
CL377843	RP44_457M16	SP6	2	144075597	144075861	144.08	3.00E-81	ARHGAP15
CL335271	RP44_253M15	SP6	2	144126916	144127358	144.13	0	ARHGAP15
CL346961	RP44_271J4	T7	2	144129026	144129103	144.13	1.00E-13	ARHGAP15
CL388880	RP44_285H2	T7	2	144162907	144162998	144.16	9.00E-08	ARHGAP15
CL357769	RP44_413H19	SP6	2	144246062	144246641	144.25	e-101	ARHGAP15
CL335207	RP44_253M15	T7	2	144280811	144281312	144.28	1.00E-31	ARHGAP15
CL388952	RP44_285H2	SP6	2	144324856	144324934	144.32	6.00E-06	ARHGAP15
CL385398	RP44_330P13	SP6	2	144363554	144363815	144.36	1.00E-10	ARHGAP15
CL384818	RP44_329J21	SP6	2	144372462	144372793	144.37	2.00E-90	ARHGAP15
CL385327	RP44_330P13	T7	2	144471583	144472235	144.47	1.00E-41	ARHGAP15
CL334445	RP44_251J3	T7	2	144504855	144505045	144.50	8.00E-26	ARHGAP15
CL377540	RP44_457C9	T7	2	144605423	144605796	144.61	6.00E-64	NA
CL363039	RP44_383C7	SP6	2	144655688	144656076	144.66	2.00E-57	LOC344201
CL386788	RP44_334F24	SP6	2	144751030	144751586	144.75	e-154	FLJ11753
CL348122	RP44_274A17	T7	2	144817746	144818120	144.82	2.00E-06	FLJ11753
CL362952	RP44_383C7	T7	2	144854655	144854944	144.85	2.00E-75	FLJ11753
CL330453	CH242_3J24	SP6	2	144902499	144903197	144.90	5.00E-10	FLJ11753
CL332828	CH242_12B15	T7	2	144977422	144977682	144.98	7.00E-12	FLJ11753
CL330374	CH242_3J24	T7	2	145052384	145052601	145.05	7.00E-52	NA
CL379086	RP44_426K15	T7	2	145138732	145139156	145.14	2.00E-98	NA
CL345181	RP44_279N10	T7	2	145204711	145205137	145.20	0	ZFH1B
CL372138	RP44_305O13	T7	2	145245788	145246356	145.25	0	ZFH1B
CL389819	RP44_287M2	T7	2	145246424	145247025	145.25	0	ZFH1B
CL379174	RP44_426K15	SP6	2	145326315	145326807	145.33	5.00E-37	NA
CL345262	RP44_279N10	SP6	2	145338138	145338457	145.34	9.00E-39	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL389904	RP44_287M2	SP6	2	145404097	145404274	145.40	1.00E-09	NA
CL364373	RP44_396M12	SP6	2	145404097	145404274	145.40	2.00E-09	NA
CL384374	RP44_328P6	SP6	2	145449952	145450020	145.45	3.00E-08	LOC344204
CL408815	RP44_416E13	T7	2	145590477	145590559	145.59	1.00E-07	LOC344205
CL375751	RP44_436F12	SP6	2	145621262	145621334	145.62	7.00E-18	LOC344205
CL412065	RP44_430M24	SP6	2	145621270	145621334	145.62	4.00E-13	LOC344205
CL408887	RP44_416E13	SP6	2	145829178	145829282	145.83	1.00E-16	LOC344206
CL331846	CH242_9K17	T7	2	145868720	145869142	145.87	5.00E-56	LOC344207
CL323751	RP44_459B7	SP6	2	145962181	145962420	145.96	3.00E-71	NA
CL365511	RP44_353L14	SP6	2	145966284	145966930	145.97	1.00E-28	LOC344208
CL390041	RP44_287L10	SP6	2	146047369	146047404	146.05	6.00E-08	NA
CL365430	RP44_353L14	T7	2	146083811	146084378	146.08	1.00E-16	NA
CL389971	RP44_287L10	T7	2	146229559	146229899	146.23	1.00E-34	LOC339758
CL330668	CH242_4J13	SP6	2	146343021	146343315	146.34	1.00E-93	LOC344209
CL371826	RP44_304D1	SP6	2	146373286	146373739	146.37	1.00E-34	LOC344209
CL376140	RP44_443O14	T7	2	146406301	146406632	146.41	1.00E-58	LOC344209
CL361337	RP44_350C15	SP6	2	146416662	146417100	146.42	5.00E-93	LOC344209
CL361263	RP44_350C15	T7	2	146416662	146417100	146.42	8.00E-95	LOC344209
CL357715	RP44_413N11	T7	2	146417005	146417356	146.42	5.00E-34	LOC344209
CL384137	RP44_328P15	T7	2	146451653	146452019	146.45	e-116	NA
CL320459	CH242_6P16	T7	2	146531458	146531527	146.53	1.00E-09	LOC351246
CL362655	RP44_380B9	T7	2	146554619	146554837	146.55	6.00E-06	NA
CL339598	RP44_255P24	T7	2	146656352	146656394	146.66	4.00E-07	LOC351247
CL354245	RP44_405N24	SP6	2	146949569	146949953	146.95	2.00E-58	NA
CL411941	RP44_430E22	T7	2	147009283	147009969	147.01	0	LOC344210
CL341687	RP44_261O3	T7	2	147125036	147125304	147.13	6.00E-12	LOC344210
CL353705	RP44_403P19	T7	2	147149323	147149404	147.15	3.00E-17	LOC344210
CL353773	RP44_403P19	SP6	2	147342420	147342529	147.34	9.00E-21	NA
CL341069	RP44_259O4	T7	2	147542832	147543049	147.54	5.00E-22	LOC344211
CL409579	RP44_417P19	T7	2	147732592	147732871	147.73	1.00E-13	LOC344211
CL356037	RP44_410P19	SP6	2	147794085	147794157	147.79	2.00E-15	NA
CL364420	RP44_396J9	T7	2	147798122	147798312	147.80	2.00E-11	NA
CL357144	RP44_412J11	SP6	2	148064348	148064478	148.06	3.00E-16	LOC351248
CL333798	RP44_250B13	T7	2	148130950	148131015	148.13	6.00E-09	LOC351248
CL347838	RP44_273E2	T7	2	148205641	148205753	148.21	2.00E-21	NA
CL357061	RP44_412J11	T7	2	148267103	148267245	148.27	4.00E-06	NA
CL370493	RP44_295H12	T7	2	148271376	148271513	148.27	3.00E-33	NA
CL386452	RP44_334C16	T7	2	148292191	148292582	148.29	e-148	NA
CL368606	RP44_289C8	SP6	2	148315152	148315965	148.32	1.00E-47	NA
CL357623	RP44_413K6	SP6	2	148349303	148349703	148.35	e-154	NA
CL359108	RP44_335D14	T7	2	148397478	148397970	148.40	4.00E-65	LOC344212
CL373630	RP44_457N12	T7	2	148576063	148576388	148.58	1.00E-16	NA
CL381413	RP44_315J16	T7	2	148576613	148576920	148.58	2.00E-14	NA
CL341745	RP44_261K1	SP6	2	148738164	148738337	148.74	9.00E-45	ORC4L
CL377169	RP44_449G10	SP6	2	148803807	148803863	148.80	7.00E-11	NA
CL379113	RP44_426A1	SP6	2	149249377	149250073	149.25	0	MBD5
CL355590	RP44_409N24	SP6	2	149397859	149398069	149.40	1.00E-40	LOC253991
CL351794	RP44_313O14	SP6	2	149457125	149457200	149.46	4.00E-10	DKFZP566F2124
CL351548	RP44_313O13	T7	2	149683969	149684166	149.68	7.00E-61	NA
CL369297	RP44_290I4	SP6	2	149844801	149845064	149.84	5.00E-22	KIF5C
CL364446	RP44_396P13	T7	2	149854184	196176145	173.02	5.00E-09	KIF5C
CL335306	RP44_253E12	T7	2	149932542	149932670	149.93	2.00E-20	NA
CL362616	RP44_380I5	SP6	2	150198412	150198732	150.20	2.00E-06	LOC130574
CL410036	RP44_418C14	SP6	2	150201042	150201413	150.20	2.00E-33	LOC130574
CL347135	RP44_272K11	T7	2	150218962	150219253	150.22	1.00E-09	LOC130574
CL362058	RP44_353P9	T7	2	150240279	150240956	150.24	2.00E-40	LOC130574
CL329853	CH242_3G21	T7	2	150331087	150331694	150.33	4.00E-13	NA
CL347211	RP44_272K11	SP6	2	150457452	150458025	150.46	2.00E-15	LOC351293
CL329936	CH242_3G21	SP6	2	150522047	150522328	150.52	5.00E-99	NA
CL338060	RP44_265N23	T7	2	150589016	150589092	150.59	1.00E-12	NA
CL354673	RP44_408I9	SP6	2	151356676	151356912	151.36	7.00E-08	NA
CL320181	CH242_2G1	T7	2	151694409	151694452	151.69	2.00E-10	NA
CL352016	RP44_313J20	T7	2	151849264	151849387	151.85	7.00E-15	LOC339782
CL352099	RP44_313J20	SP6	2	152003992	152004283	152.00	1.00E-06	LOC344332
CL340106	RP44_256N6	SP6	2	152176289	152176498	152.18	1.00E-25	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL413974	RP44_435H21	T7	2	152249322	152249477	152.25	2.00E-50	NA
CL328786	RP44_373D8	SP6	2	152344846	152344899	152.34	1.00E-13	NEB
CL340031	RP44_256N6	T7	2	152361982	152362092	152.36	2.00E-33	NEB
CL349775	RP44_309L8	T7	2	152373881	152382751	152.38	5.00E-46	NEB
CL328094	RP44_248G9	T7	2	152385588	152385702	152.39	3.00E-07	NEB
CL328785	RP44_373D8	T7	2	152542177	152542288	152.54	5.00E-15	NEB
CL344576	RP44_278P14	T7	2	152679174	152679389	152.68	4.00E-07	CACNB4
CL375951	RP44_441N1	T7	2	152854507	152854782	152.85	1.00E-46	CACNB4
CL344653	RP44_278P14	SP6	2	152858157	152858625	152.86	1.00E-19	CACNB4
CL384661	RP44_329I4	SP6	2	152860711	152861540	152.86	8.00E-24	CACNB4
CL411217	RP44_420P11	T7	2	153101392	153101461	153.10	1.00E-06	NA
CL368883	RP44_289J18	T7	2	153130452	153130508	153.13	4.00E-10	NA
CL361457	RP44_350L12	T7	2	153205599	153205735	153.21	2.00E-14	FHOD2
CL346550	RP44_270H2	SP6	2	153217548	153217976	153.22	1.00E-09	FHOD2
CL368965	RP44_289J18	SP6	2	153319356	153319503	153.32	4.00E-10	FHOD2
CL340902	RP44_258J8	T7	2	153535876	153536113	153.54	4.00E-19	NA
CL346471	RP44_270H6	T7	2	153762959	153763119	153.76	8.00E-14	LOC344333
CL369109	RP44_290E21	SP6	2	153776017	153776196	153.78	1.00E-25	LOC344333
CL369028	RP44_290E21	T7	2	153933205	153933417	153.93	2.00E-12	NA
CL373436	RP44_308F13	SP6	2	154039963	154040396	154.04	8.00E-27	NA
CL331044	CH242_6H9	T7	2	154280769	154280907	154.28	2.00E-26	NA
CL326498	RP44_243F2	T7	2	154287744	154287973	154.29	2.00E-48	NA
CL327015	RP44_244F22	SP6	2	154443693	154444138	154.44	2.00E-33	LOC285113
CL331126	CH242_6H9	SP6	2	154478150	154478541	154.48	3.00E-78	LOC285113
CL382003	RP44_323I12	T7	2	154484283	154484424	154.48	5.00E-25	LOC285113
CL349273	RP44_309C5	T7	2	154806171	154806541	154.81	8.00E-12	GALNT13
CL348758	RP44_275E4	T7	2	154813512	154813816	154.81	1.00E-16	GALNT13
CL386994	RP44_335C14	T7	2	154904656	154904880	154.90	4.00E-19	GALNT13
CL372292	RP44_305B9	SP6	2	154905475	154906799	154.91	9.00E-14	GALNT13
CL372791	RP44_306B4	SP6	2	154964754	154964893	154.96	3.00E-20	GALNT13
CL348848	RP44_275E4	SP6	2	155014001	155014051	155.01	4.00E-07	GALNT13
CL320414	CH242_6L4	T7	2	155090017	155090086	155.09	1.00E-06	GALNT13
CL408894	RP44_416G9	SP6	2	155184705	155184813	155.18	1.00E-15	GALNT13
CL360800	RP44_341D12	SP6	2	155271064	155271351	155.27	3.00E-53	GALNT13
CL323441	RP44_458A14	T7	2	155822881	155823179	155.82	1.00E-47	LOC344254
CL361326	RP44_350A7	SP6	2	155941434	155941885	155.94	7.00E-52	LOC344254
CL361253	RP44_350A7	T7	2	155941434	155941885	155.94	7.00E-52	LOC344254
CL369450	RP44_291A22	T7	2	155984547	155984920	155.98	2.00E-48	LOC344254
CL343805	RP44_277A14	SP6	2	156042868	187770444	171.91	5.00E-13	NA
CL414174	RP44_436C22	T7	2	156205299	156205582	156.21	1.00E-28	NA
CL338491	RP44_266E12	T7	2	156272787	156273025	156.27	1.00E-62	NA
CL386413	RP44_333L2	SP6	2	156303428	156304792	156.30	4.00E-19	NA
CL414252	RP44_436C22	SP6	2	156472034	156472601	156.47	0	NA
CL344302	RP44_278K2	SP6	2	156472663	156472748	156.47	6.00E-12	NA
CL352383	RP44_401A15	SP6	2	156488628	156488895	156.49	2.00E-42	NA
CL380225	RP44_428P6	T7	2	156623945	156624639	156.62	e-104	NA
CL338221	RP44_265N20	T7	2	156629406	156629441	156.63	1.00E-07	NA
CL384450	RP44_329M11	T7	2	156629406	156629441	156.63	1.00E-07	NA
CL350952	RP44_311H23	SP6	2	156821783	156821844	156.82	7.00E-09	NA
CL364909	RP44_400O1	T7	2	156834748	156834992	156.83	4.00E-45	NA
CL439634	RP44_296O21	SP6	2	156834748	156835284	156.84	1.00E-50	NA
CL365050	RP44_400K18	SP6	2	157132500	157132625	157.13	9.00E-17	NA
CL333877	RP44_250D3	SP6	2	157178044	157178660	157.18	e-114	LOC344256
CL365496	RP44_353J4	SP6	2	157264661	157264920	157.26	2.00E-11	GPD2
CL324203	RP44_474A22	SP6	2	157278958	157281600	157.28	7.00E-43	GPD2
CL365556	RP44_354E9	T7	2	157428615	157428911	157.43	2.00E-14	NA
CL365421	RP44_353J4	T7	2	157441067	157441780	157.44	4.00E-07	NA
CL333016	CH242_12J18	SP6	2	157449168	157449214	157.45	4.00E-07	NA
CL324202	RP44_474A22	T7	2	157449631	157449855	157.45	7.00E-15	NA
CL376015	RP44_441P24	T7	2	157615188	157615786	157.62	5.00E-10	NA
CL376000	RP44_441L24	T7	2	157615695	157615786	157.62	1.00E-07	NA
CL359752	RP44_337K24	SP6	2	157895124	157895188	157.90	6.00E-06	NA
CL345439	RP44_280K17	SP6	2	157979770	157979931	157.98	4.00E-07	NA
CL359691	RP44_337K14	T7	2	158139688	158140187	158.14	7.00E-18	KIAA1189
CL359694	RP44_337K24	T7	2	158139688	158140187	158.14	8.00E-18	KIAA1189

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CL321388	CH242_15P22	SP6	2	158518567	158518661	158.52	4.00E-07	NA
CL348970	RP44_275L11	T7	2	158628975	158629386	158.63	2.00E-86	ACVR1
CL386919	RP44_335E3	SP6	2	158661304	158661626	158.66	1.00E-34	ACVR1
CL326982	RP44_244P10	T7	2	158662005	158662657	158.66	1.00E-06	ACVR1
CL359095	RP44_335B2	T7	2	158719803	158720288	158.72	2.00E-27	NA
CL327053	RP44_244P10	SP6	2	158865190	158865359	158.87	1.00E-22	LOC151531
CL378939	RP44_425M2	T7	2	158923186	158923503	158.92	5.00E-31	LOC151531
CL354114	RP44_405K10	SP6	2	159228046	159228104	159.23	2.00E-07	LOC130940
CL357048	RP44_412H7	T7	2	159323349	159323554	159.32	4.00E-37	PKP4
CL348071	RP44_273H12	SP6	2	159359396	159359858	159.36	3.00E-78	PKP4
CL345669	RP44_280L15	T7	2	159665917	159665962	159.67	2.00E-06	NA
CL323497	RP44_458I6	T7	2	159799319	159799387	159.80	6.00E-06	KIAA1728
CL345757	RP44_280L15	SP6	2	159921940	159921983	159.92	3.00E-10	KIAA1728
CL344912	RP44_279C24	SP6	2	160032553	160032684	160.03	2.00E-36	KIAA1728
CL357445	RP44_413G19	SP6	2	160150472	160150802	160.15	2.00E-09	BAZ2B
CL321946	CH242_15L10	T7	2	160259685	160259919	160.26	6.00E-21	BAZ2B
CL343581	RP44_277E23	T7	2	160267271	160267517	160.27	1.00E-78	BAZ2B
CL378417	RP44_424C14	SP6	2	160439413	160439559	160.44	9.00E-24	NA
CL378424	RP44_424E14	SP6	2	160439413	160439559	160.44	1.00E-21	NA
CL378351	RP44_424C14	T7	2	160625280	160625823	160.63	5.00E-53	LY75
CL378361	RP44_424E14	T7	2	160625465	160625697	160.63	2.00E-42	LY75
CL362287	RP44_375D16	SP6	2	160625569	160625823	160.63	3.00E-38	LY75
CL383667	RP44_327K9	T7	2	160716278	160716570	160.72	8.00E-30	LY75
CL377338	RP44_449J1	SP6	2	160724279	160724335	160.72	1.00E-08	LY75
CL364335	RP44_396E14	SP6	2	160872510	160872868	160.87	4.00E-41	PLA2R1
CL370689	RP44_296C7	SP6	2	160944967	160945203	160.95	6.00E-37	ITGB6
CL380995	RP44_314J3	SP6	2	161057434	161057530	161.06	4.00E-13	LOC344264
CL339883	RP44_256L17	T7	2	161290417	161878548	181.58	9.00E-67	MGC39518
CL409172	RP44_416D4	SP6	2	161353373	161353676	161.35	7.00E-63	NA
CL354381	RP44_406L23	T7	2	161400138	161400187	161.40	8.00E-07	NA
CL380404	RP44_429O13	T7	2	161654537	161655051	161.65	2.00E-64	NA
CL380392	RP44_429M11	T7	2	161654547	161655051	161.65	2.00E-64	NA
CL335536	RP44_253L5	SP6	2	161690825	161690971	161.69	3.00E-33	LOC351304
CL341716	RP44_261E9	SP6	2	161745991	161746076	161.75	1.00E-25	LOC351304
CL412890	RP44_431P21	SP6	2	162030619	162031041	162.03	2.00E-30	TANK
CL341988	RP44_261J23	T7	2	162066834	162067358	162.07	e-172	LOC351306
CL359142	RP44_335L8	T7	2	162078032	162078090	162.08	1.00E-09	LOC351306
CL371712	RP44_304K18	SP6	2	162085266	162085357	162.09	5.00E-15	LOC351306
CL337305	RP44_264C16	SP6	2	162123100	162123176	162.12	4.00E-13	NA
CL338556	RP44_266A22	SP6	2	162133105	162133283	162.13	7.00E-09	PSMD14
CL382175	RP44_323J17	T7	2	162176747	162176957	162.18	2.00E-92	PSMD14
CL342055	RP44_261J23	SP6	2	162246551	162246939	162.25	5.00E-18	NA
CL349339	RP44_309O19	T7	2	162643126	227699705	195.17	4.00E-07	DKFZp547E052
CL356780	RP44_412M17	T7	2	162683371	162683613	162.68	3.00E-88	SLC4A10
CL373022	RP44_307D13	T7	2	162765861	162766114	162.77	4.00E-35	SLC4A10
CL356857	RP44_412M17	SP6	2	162841553	162842128	162.84	3.00E-42	DPP4
CL353946	RP44_405K19	T7	2	162922960	162923078	162.92	7.00E-09	NA
CL321699	CH242_13M16	SP6	2	163017877	163018174	163.02	3.00E-32	FAP
CL373302	RP44_308I14	SP6	2	163050140	163050442	163.05	9.00E-08	FAP
CL333840	RP44_250L3	T7	2	163070971	163071317	163.07	5.00E-09	NA
CL373225	RP44_308I14	T7	2	163189775	163190157	163.19	3.00E-20	NA
CL410639	RP44_419B5	SP6	2	163220990	163221378	163.22	7.00E-45	KCNH7
CL333914	RP44_250L3	SP6	2	163222338	163222428	163.22	6.00E-12	KCNH7
CL342676	RP44_262H3	SP6	2	163241911	163242488	163.24	0	KCNH7
CL339445	RP44_268F2	SP6	2	163303867	163304160	163.30	5.00E-18	KCNH7
CL353464	RP44_403C17	SP6	2	163376686	163376756	163.38	1.00E-09	KCNH7
CL339904	RP44_256P19	T7	2	163458868	163459185	163.46	5.00E-19	KCNH7
CL337095	RP44_264I5	T7	2	163560878	163560915	163.56	6.00E-09	KCNH7
CL332191	CH242_10K10	T7	2	163564201	163564749	163.56	2.00E-09	KCNH7
CL385152	RP44_330I6	T7	2	163589825	163590402	163.59	6.00E-43	KCNH7
CL381129	RP44_314D16	SP6	2	163603981	163604338	163.60	7.00E-89	KCNH7
CL359177	RP44_335B22	SP6	2	163629136	163629388	163.63	1.00E-15	KCNH7
CL356983	RP44_412G24	SP6	2	163629917	163630085	163.63	6.00E-15	KCNH7
CL412028	RP44_430G10	SP6	2	163629944	163630108	163.63	1.00E-19	KCNH7
CL348754	RP44_275C18	T7	2	163634834	163635225	163.64	2.00E-95	KCNH7

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL346955	RP44_271H14	T7	2	163635150	163635334	163.64	9.00E-42	KCNH7
CL349083	RP44_275B18	T7	2	163792893	163792962	163.79	4.00E-10	NA
CL387226	RP44_281A1	SP6	2	163794765	163795233	163.79	7.00E-09	NA
CL359101	RP44_335B22	T7	2	163795186	163795233	163.80	7.00E-08	NA
CL326334	RP44_243O24	T7	2	163795486	163795624	163.80	2.00E-24	NA
CL328848	RP44_373J16	T7	2	163795494	163795624	163.80	6.00E-15	NA
CL363744	RP44_389D21	T7	2	163962742	163963149	163.96	4.00E-35	NA
CL328849	RP44_373J16	SP6	2	163980634	163980763	163.98	1.00E-13	LOC200388
CL412443	RP44_431I23	T7	2	164036277	164036458	164.04	5.00E-31	NA
CL381058	RP44_314H2	T7	2	164037134	164037217	164.04	2.00E-17	NA
CL410766	RP44_419N24	T7	2	164171416	164172005	164.17	e-127	NA
CL349051	RP44_275L7	SP6	2	164172579	164173169	164.17	0	NA
CL327004	RP44_244D16	SP6	2	164282241	164282612	164.28	1.00E-10	LOC351308
CL345289	RP44_280A19	T7	2	164290879	164291502	164.29	e-105	LOC351308
CL365612	RP44_354C15	SP6	2	164382151	164382913	164.38	4.00E-13	LOC344268
CL371037	RP44_301K5	T7	2	164410352	164410701	164.41	3.00E-32	LOC344268
CL341928	RP44_261M10	SP6	2	164458600	164459184	164.46	9.00E-79	NA
CL408787	RP44_415P14	SP6	2	164471512	164472432	164.47	2.00E-36	NA
CL345386	RP44_280A19	SP6	2	164472206	164472745	164.47	e-150	NA
CL361760	RP44_351N15	T7	2	164472221	164472783	164.47	e-149	NA
CL365550	RP44_354C15	T7	2	164511955	164512286	164.51	1.00E-09	NA
CL374158	RP44_469B10	T7	2	164528675	164529217	164.53	e-147	NA
CL371107	RP44_301K5	SP6	2	164549910	164550314	164.55	8.00E-33	LOC351309
CL382511	RP44_324M1	SP6	2	164620582	164621168	164.62	0	NA
CL361827	RP44_351L7	SP6	2	164820418	164820775	164.82	3.00E-10	NA
CL336712	RP44_263K18	SP6	2	164832520	164832728	164.83	2.00E-35	NA
CL331979	CH242_10E15	T7	2	164841896	164842236	164.84	1.00E-13	NA
CL378955	RP44_425O16	T7	2	164856644	164856739	164.86	1.00E-19	NA
CL344125	RP44_278G21	SP6	2	164934709	164935055	164.93	2.00E-42	NA
CL376832	RP44_445J3	SP6	2	164946602	164946642	164.95	6.00E-06	NA
CL344799	RP44_279M15	SP6	2	164991705	164992292	164.99	4.00E-29	NA
CL332067	CH242_10E15	SP6	2	165002845	165003062	165.00	4.00E-47	NA
CL361746	RP44_351L7	T7	2	165004581	165004728	165.00	3.00E-17	NA
CL351914	RP44_313H7	SP6	2	165247664	179149565	172.20	1.00E-99	OSBPL6
CL321914	CH242_15F4	T7	2	165608251	165608855	165.61	1.00E-07	KIAA0977
CL323987	RP44_463O4	T7	2	165731969	165732286	165.73	2.00E-42	FLJ39822
CL321656	CH242_13E14	SP6	2	165942130	165942503	165.94	1.00E-06	SCN3A
CL328781	RP44_373D4	T7	2	165961243	166864331	166.41	5.00E-38	SCN1A
CL339609	RP44_255D6	SP6	2	165967463	166865611	166.42	1.00E-37	SCN1A
CL373202	RP44_308E10	T7	2	165969423	165970248	165.97	4.00E-75	SCN3A
CL328782	RP44_373D4	SP6	2	165982832	165983233	165.98	1.00E-59	SCN3A
CL409800	RP44_418A15	SP6	2	165993481	165993563	165.99	4.00E-07	SCN3A
CL373281	RP44_308E10	SP6	2	166149826	166150059	166.15	3.00E-08	SCN2A2
CL337532	RP44_264D16	T7	2	166191488	166191915	166.19	6.00E-09	SCN2A2
CL357234	RP44_412L18	T7	2	166293148	166293241	166.29	8.00E-11	NA
CL351573	RP44_313E1	SP6	2	166336847	166336925	166.34	1.00E-16	LOC344272
CL352235	RP44_314G19	SP6	2	166403142	166403642	166.40	3.00E-35	TAIP-2
CL338813	RP44_267E4	T7	2	166403686	166406034	166.40	2.00E-43	TAIP-2
CL351658	RP44_313E2	T7	2	166494627	166494793	166.49	6.00E-09	TAIP-2
CL369541	RP44_291I14	SP6	2	166579069	166579553	166.58	7.00E-67	GALNT3
CL324992	RP44_478N10	SP6	2	166579271	166579429	166.58	4.00E-58	GALNT3
CL353242	RP44_402N19	SP6	2	166579865	166580528	166.58	7.00E-95	GALNT3
CL365435	RP44_353N2	T7	2	166580005	166580528	166.58	4.00E-40	GALNT3
CL386772	RP44_334B20	SP6	2	166639608	166639848	166.64	2.00E-08	NA
CL386711	RP44_334B20	T7	2	166691157	166691301	166.69	2.00E-21	FLJ11457
CL323659	RP44_458H20	SP6	2	166724650	166724838	166.72	5.00E-07	FLJ11457
CL369482	RP44_291I14	T7	2	166724650	166724838	166.72	1.00E-06	FLJ11457
CL324991	RP44_478N10	T7	2	166724650	166724838	166.72	3.00E-07	FLJ11457
CL385866	RP44_332F7	T7	2	166826601	166826737	166.83	2.00E-11	SCN1A
CL359996	RP44_338P1	T7	2	166829598	166829792	166.83	2.00E-12	SCN1A
CL329167	RP44_382J22	T7	2	167015746	167015783	167.02	1.00E-06	NA
CL381180	RP44_314N12	SP6	2	167098726	167099410	167.10	3.00E-39	SCN9A
CL440160	RP44_299H4	SP6	2	167226548	167226848	167.23	2.00E-66	SCN7A
CL414191	RP44_436G16	T7	2	167501654	167501705	167.50	1.00E-07	LOC351312
CL354981	RP44_408L7	SP6	2	167807267	167807385	167.81	2.00E-14	FLJ32020

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL362348	RP44_377A12	T7	2	167959149	167959732	167.96	2.00E-06	FLJ32020
CL329707	RP44_394F20	SP6	2	168007169	168007601	168.01	1.00E-31	FLJ32020
CL376990	RP44_449E19	SP6	2	168074549	168074707	168.07	3.00E-42	FLJ32020
CL384202	RP44_328N13	SP6	2	168074607	168074707	168.07	2.00E-34	FLJ32020
CL344066	RP44_278K17	T7	2	168142583	168142683	168.14	2.00E-06	LOC344276
CL352022	RP44_313L10	T7	2	168178019	168178313	168.18	4.00E-87	NA
CL344144	RP44_278K17	SP6	2	168330693	168330883	168.33	3.00E-20	NA
CL355835	RP44_410I14	SP6	2	168472645	168472772	168.47	3.00E-27	NA
CL338129	RP44_265L21	SP6	2	168481695	168481918	168.48	9.00E-30	NA
CL368002	RP44_375A19	T7	2	168512956	168513584	168.51	3.00E-54	NA
CL344898	RP44_279A14	SP6	2	168603767	168603864	168.60	4.00E-19	NA
CL338889	RP44_267E24	SP6	2	168604195	168604477	168.60	3.00E-62	NA
CL340889	RP44_258F18	T7	2	168726338	168726628	168.73	2.00E-42	LOC344280
CL349608	RP44_309H7	T7	2	168785528	168785862	168.79	5.00E-12	STK39
CL340959	RP44_258F18	SP6	2	168849970	168850360	168.85	1.00E-25	STK39
CL321906	CH242_15D10	T7	2	168873530	168873991	168.87	3.00E-17	STK39
CL327251	RP44_245M12	T7	2	168953391	168953523	168.95	4.00E-06	STK39
CL348031	RP44_273N20	T7	2	168958939	168959229	168.96	2.00E-23	STK39
CL321321	CH242_15D10	SP6	2	169010921	169011093	169.01	9.00E-11	STK39
CL348105	RP44_273N20	SP6	2	169139572	169139656	169.14	9.00E-08	NA
CL374352	RP44_470G23	T7	2	169143844	169144185	169.14	6.00E-64	LOC344281
CL330798	CH242_4F12	SP6	2	169248680	169248807	169.25	7.00E-08	LOC344281
CL363269	RP44_383D3	T7	2	169262975	169263565	169.26	e-104	LOC344281
CL411125	RP44_420K20	SP6	2	169385626	169385692	169.39	1.00E-06	LOC344284
CL349247	RP44_308N4	SP6	2	169399437	169399491	169.40	4.00E-07	NA
CL349255	RP44_308P4	SP6	2	169399437	169399491	169.40	4.00E-07	NA
CL411057	RP44_420K20	T7	2	169553726	169553896	169.55	6.00E-08	LOC253782
CL349171	RP44_308N4	T7	2	169556028	169556112	169.56	6.00E-06	LOC253782
CL333267	RP44_249C12	T7	2	169671782	169671945	169.67	6.00E-39	NOSTRIN
CL355920	RP44_410J17	T7	2	169986496	169986559	169.99	3.00E-10	LRP2
CL378922	RP44_425I10	T7	2	169992899	169993298	169.99	2.00E-11	LRP2
CL342829	RP44_275D10	SP6	2	170279800	170279947	170.28	4.00E-29	NA
CL367504	RP44_367L5	T7	2	170392161	170392219	170.39	5.00E-12	FLJ21901
CL359846	RP44_338O23	T7	2	170726929	170726957	170.73	5.00E-06	LOC344287
CL374895	RP44_470P14	T7	2	170893610	170894128	170.89	8.00E-82	KIAA2024
CL374968	RP44_470P14	SP6	2	171098414	171098854	171.10	e-116	MYO3B
CL369204	RP44_290G20	T7	2	171098814	171104314	171.10	5.00E-28	MYO3B
CL338933	RP44_268A5	T7	2	171127125	171127180	171.13	3.00E-10	MYO3B
CL411246	RP44_420F3	SP6	2	171135208	171135278	171.14	1.00E-06	MYO3B
CL411224	RP44_420B3	SP6	2	171135208	171135342	171.14	3.00E-14	MYO3B
CL343486	RP44_276B6	SP6	2	171220719	171220860	171.22	3.00E-54	MYO3B
CL411146	RP44_420B3	T7	2	171324758	171325049	171.32	1.00E-70	MYO3B
CL322284	RP44_404G20	SP6	2	171658626	171658994	171.66	6.00E-18	GAD1
CL356357	RP44_411E22	T7	2	171661621	171661795	171.66	5.00E-09	GAD1
CL383518	RP44_326J8	T7	2	171674492	171674923	171.67	3.00E-66	GAD1
CL343613	RP44_277I23	T7	2	171691531	171693694	171.69	7.00E-12	NA
CL383486	RP44_326B20	T7	2	171691531	171693694	171.69	7.00E-12	NA
CL320731	CH242_13I7	T7	2	171769902	171770296	171.77	1.00E-90	GORASP2
CL356413	RP44_411E22	SP6	2	171818071	171818112	171.82	7.00E-09	TLK1
CL320732	CH242_13I7	SP6	2	171946436	171946643	171.95	4.00E-07	TLK1
CL409922	RP44_418M1	T7	2	171994670	171994736	171.99	1.00E-14	NA
CL364352	RP44_396I12	SP6	2	171994749	171995052	171.99	5.00E-18	NA
CL370761	RP44_300C11	SP6	2	172001527	172001771	172.00	3.00E-14	NA
CL374196	RP44_469J12	T7	2	172035905	172036192	172.04	1.00E-18	NA
CL333334	RP44_249E24	SP6	2	172212378	172212676	172.21	3.00E-32	FLJ13984
CL374276	RP44_469J12	SP6	2	172229817	172229895	172.23	2.00E-14	FLJ13984
CL333483	RP44_249H24	SP6	2	172264054	172264251	172.26	2.00E-66	FLJ13096
CL347159	RP44_272O15	T7	2	172453255	172453321	172.45	3.00E-07	NA
CL320237	CH242_2K24	T7	2	172502857	172503312	172.50	e-103	NA
CL347233	RP44_272O15	SP6	2	172632434	172633010	172.63	4.00E-32	SLC25A12
CL332862	CH242_12J19	T7	2	172855509	172855683	172.86	1.00E-15	NA
CL379145	RP44_426G1	SP6	2	173042414	173042689	173.04	8.00E-18	LOC344175
CL375059	RP44_471O23	T7	2	173215897	173216225	173.22	4.00E-83	LOC344176
CL342282	RP44_262K1	T7	2	173311196	173311466	173.31	2.00E-24	ITGA6
CL372089	RP44_305E11	T7	2	173313870	173313923	173.31	9.00E-12	ITGA6

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL366379	RP44_358B12	SP6	2	173411746	173411925	173.41	4.00E-07	PDK1
CL371863	RP44_304J13	SP6	2	173471038	173471104	173.47	3.00E-07	NA
CL346357	RP44_270P19	T7	2	173539428	173539470	173.54	4.00E-07	NA
CL369424	RP44_291K1	SP6	2	173699156	173699284	173.70	3.00E-12	CGEF2
CL375053	RP44_471O11	T7	2	173756017	173756139	173.76	2.00E-23	CGEF2
CL413420	RP44_433K8	T7	2	173824349	173824389	173.82	5.00E-06	CGEF2
CL329464	RP44_394K8	SP6	2	173881242	173881633	173.88	3.00E-47	CGEF2
CL366391	RP44_358D22	SP6	2	174011443	174011712	174.01	4.00E-78	ZAK
CL379404	RP44_426F3	SP6	2	174048947	174048980	174.05	2.00E-06	ZAK
CL370070	RP44_293K14	SP6	2	174058417	174058539	174.06	6.00E-24	ZAK
CL370177	RP44_294F13	SP6	2	174222089	174222183	174.22	2.00E-19	NA
CL346421	RP44_270N13	SP6	2	174279639	174279743	174.28	2.00E-13	NA
CL385383	RP44_330L17	SP6	2	174279639	174279743	174.28	4.00E-13	NA
CL348513	RP44_274D4	SP6	2	174384290	174384351	174.38	1.00E-06	LOC344179
CL361658	RP44_351I13	SP6	2	174482020	174482624	174.48	0	NA
CL361572	RP44_351I13	T7	2	174482020	174482624	174.48	0	NA
CL346345	RP44_270N13	T7	2	174487440	174487504	174.49	2.00E-08	NA
CL385314	RP44_330L17	T7	2	174487440	174487504	174.49	2.00E-08	NA
CL322349	RP44_404O14	T7	2	174619895	174620002	174.62	3.00E-10	LOC344180
CL370467	RP44_295B20	T7	2	174739614	174739692	174.74	6.00E-09	SP3
CL389419	RP44_286J5	SP6	2	174795540	174795659	174.80	1.00E-06	NA
CL367375	RP44_367A8	SP6	2	174795540	174795659	174.80	2.00E-06	NA
CL370543	RP44_295B20	SP6	2	174935505	174936065	174.94	0	PTD004
CL386216	RP44_333A20	SP6	2	174935505	174936066	174.94	0	PTD004
CL367292	RP44_367A8	T7	2	174978624	174979287	174.98	6.00E-12	PTD004
CL329600	RP44_394L5	SP6	2	175112973	175113271	175.11	1.00E-21	NA
CL373726	RP44_469O13	T7	2	175312993	175313891	175.31	7.00E-09	FLJ31819
CL382460	RP44_324C5	SP6	2	175502379	175503001	175.50	3.00E-85	WASPIP
CL339417	RP44_268P2	T7	2	175593468	175593531	175.59	8.00E-08	NA
CL362044	RP44_353N3	T7	2	175593468	175593531	175.59	8.00E-08	NA
CL377689	RP44_457O21	SP6	2	175901499	175901911	175.90	e-147	NA
CL386346	RP44_333N6	T7	2	176153141	176153240	176.15	2.00E-12	LOC344186
CL323569	RP44_458O20	T7	2	176195680	176195894	176.20	2.00E-58	LOC344186
CL357673	RP44_413F3	T7	2	176219607	176219991	176.22	1.00E-27	LOC344186
CL389323	RP44_286D21	T7	2	176249663	176249914	176.25	2.00E-24	LOC344187
CL342277	RP44_262I7	T7	2	176319524	176320097	176.32	3.00E-60	NA
CL330059	CH242_30I14	T7	2	176339449	176339595	176.34	2.00E-27	NA
CL370696	RP44_296C23	SP6	2	176345355	176345771	176.35	2.00E-06	NA
CL349056	RP44_275L21	SP6	2	176438475	176438792	176.44	3.00E-45	NA
CL357754	RP44_413F3	SP6	2	176438627	176438792	176.44	2.00E-27	NA
CL389395	RP44_286D21	SP6	2	176443808	176444010	176.44	8.00E-27	NA
CL342353	RP44_262I7	SP6	2	176558816	176559182	176.56	e-139	LOC351321
CL323080	RP44_455L2	T7	2	176694585	220085424	198.39	3.00E-06	TUBA4
CL325137	RP44_479M15	T7	2	176952254	176952712	176.95	e-175	HOXD9
CL342995	RP44_276C1	SP6	2	177060312	177060509	177.06	8.00E-24	NA
CL320811	CH242_13B11	SP6	2	177193802	177194126	177.19	3.00E-07	LOC351323
CL365035	RP44_400I10	SP6	2	177284827	177285007	177.28	2.00E-56	LOC344075
CL365346	RP44_400H22	T7	2	177292831	177292949	177.29	9.00E-24	LOC344075
CL377289	RP44_449P11	T7	2	177298639	177298942	177.30	e-108	LOC344075
CL365274	RP44_400H22	SP6	2	177462037	177462719	177.46	3.00E-23	NA
CL327515	RP44_246I7	T7	2	177479975	177480266	177.48	4.00E-34	LOC344078
CL343569	RP44_277A13	T7	2	177482671	177483180	177.48	5.00E-99	LOC344078
CL377373	RP44_449P11	SP6	2	177482697	177483181	177.48	e-104	LOC344078
CL340402	RP44_257K22	SP6	2	177497457	177497543	177.50	8.00E-08	LOC344078
CL378095	RP44_423C12	T7	2	177589348	177589552	177.59	4.00E-68	NA
CL378668	RP44_424D16	SP6	2	177596838	177597002	177.60	1.00E-07	NA
CL355683	RP44_410G5	SP6	2	177720478	177720702	177.72	3.00E-12	LOC150973
CL341505	RP44_260J24	T7	2	177882938	177883432	177.88	1.00E-28	NA
CL380337	RP44_429C5	T7	2	177990873	177991364	177.99	e-120	LOC344083
CL384325	RP44_328F14	SP6	2	178564741	178564772	178.56	1.00E-07	PDE11A
CL325792	RP44_242M7	SP6	2	178570412	178570507	178.57	2.00E-17	PDE11A
CL324420	RP44_474H12	SP6	2	178586122	178586482	178.59	4.00E-37	PDE11A
CL327444	RP44_245L3	SP6	2	178685336	178685372	178.69	2.00E-08	PDE11A
CL345422	RP44_280I5	SP6	2	178685336	178685372	178.69	3.00E-08	PDE11A
CL409972	RP44_418G14	T7	2	178685336	178685372	178.69	3.00E-08	PDE11A

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL325830	RP44_242M6	T7	2	178772843	178773064	178.77	4.00E-15	PDE11A
CL369286	RP44_290G6	SP6	2	178811059	178812209	178.81	7.00E-15	PDE11A
CL369197	RP44_290G6	T7	2	178989526	178989940	178.99	9.00E-08	NA
CL381532	RP44_316A15	T7	2	179131361	179131389	179.13	5.00E-06	OSBPL6
CL381578	RP44_316K1	T7	2	179131361	179131389	179.13	6.00E-06	OSBPL6
CL370825	RP44_300B3	T7	2	179137063	179137638	179.14	3.00E-20	OSBPL6
CL336465	RP44_262J14	SP6	2	179198107	179198221	179.20	7.00E-09	OSBPL6
CL320951	CH242_15K9	SP6	2	179227693	179227972	179.23	2.00E-49	NA
CL410059	RP44_418G18	SP6	2	179272666	179272909	179.27	1.00E-15	PRKRA
CL410308	RP44_418N20	SP6	2	179289888	179289925	179.29	1.00E-06	LOC339725
CL370908	RP44_300B3	SP6	2	179299290	208351489	193.83	3.00E-11	FKBP7
CL341254	RP44_260G1	T7	2	179362002	179362567	179.36	0	TTN
CL321860	CH242_15K9	T7	2	179376453	179377121	179.38	0	TTN
CL372880	RP44_307C8	T7	2	179381598	179421993	179.40	2.00E-58	TTN
CL336200	RP44_255L9	T7	2	179393212	179402534	179.40	0	TTN
CL324029	RP44_463F23	SP6	2	179444630	179444682	179.44	1.00E-08	TTN
CL339950	RP44_256J15	SP6	2	179452883	179453397	179.45	1.00E-86	TTN
CL370711	RP44_296G7	SP6	2	179457165	179457572	179.46	2.00E-33	TTN
CL341175	RP44_260G1	SP6	2	179536118	179536313	179.54	5.00E-22	TTN
CL340375	RP44_257E24	SP6	2	179550301	179550630	179.55	4.00E-34	TTN
CL324028	RP44_463F23	T7	2	179618498	179618867	179.62	e-103	TTN
CL370530	RP44_295P16	T7	2	179627772	179628522	179.63	e-114	TTN
CL387152	RP44_281A7	T7	2	179658426	179658848	179.66	2.00E-37	LOC164955
CL336156	RP44_255B23	T7	2	179973813	179973868	179.97	1.00E-07	DKFZp434O0515
CL322676	RP44_416I8	T7	2	180264061	180264314	180.26	6.00E-06	NA
CL369338	RP44_290O22	SP6	2	180280570	180280704	180.28	2.00E-24	FLJ25270
CL323619	RP44_458F2	SP6	2	180280570	180280704	180.28	2.00E-24	FLJ25270
CL330819	CH242_4J10	SP6	2	180408152	180408282	180.41	3.00E-17	FLJ25270
CL322677	RP44_416I8	SP6	2	180435452	180435645	180.44	2.00E-21	FLJ25270
CL361740	RP44_351J19	T7	2	180484650	180484797	180.48	5.00E-10	FLJ25270
CL382142	RP44_323D11	T7	2	180522747	180523299	180.52	3.00E-20	FLJ25270
CL342259	RP44_262E9	T7	2	180559334	180559376	180.56	2.00E-09	FLJ25270
CL321600	CH242_13I22	T7	2	180568799	180569252	180.57	8.00E-18	FLJ25270
CL361753	RP44_351L21	T7	2	180600583	180600720	180.60	2.00E-09	LOC151127
CL339758	RP44_256A17	SP6	2	180628718	180628982	180.63	4.00E-56	LOC151127
CL410291	RP44_418L8	SP6	2	180654383	180654857	180.65	7.00E-18	LOC151127
CL361821	RP44_351J19	SP6	2	180667304	180667668	180.67	3.00E-57	LOC151127
CL384313	RP44_328D12	SP6	2	180687789	180688168	180.69	2.00E-76	LOC151127
CL359171	RP44_335B6	SP6	2	180704709	180704792	180.70	2.00E-12	NA
CL326132	RP44_243E1	T7	2	180773475	180773773	180.77	1.00E-46	KIAA1604
CL369859	RP44_292D2	T7	2	180792999	180793384	180.79	7.00E-33	KIAA1604
CL345338	RP44_280M9	SP6	2	180801790	180802003	180.80	6.00E-34	KIAA1604
CL413681	RP44_433P14	SP6	2	180843563	180843611	180.84	6.00E-06	NA
CL355381	RP44_409B13	SP6	2	181266583	181266680	181.27	4.00E-16	NA
CL361500	RP44_350H18	SP6	2	181343317	181343784	181.34	4.00E-59	LOC285028
CL352708	RP44_401N1	SP6	2	181444399	181444612	181.44	1.00E-40	LOC253338
CL352896	RP44_402A13	T7	2	181450168	181450863	181.45	7.00E-52	LOC253338
CL383989	RP44_327P12	T7	2	181454566	181454622	181.45	2.00E-08	LOC253338
CL373571	RP44_457B2	T7	2	181875706	181875839	181.88	5.00E-22	UBE2E3
CL323194	RP44_457B2	SP6	2	181910123	181910389	181.91	6.00E-06	LOC344313
CL385849	RP44_332B9	T7	2	182225110	182225197	182.23	7.00E-15	LOC344315
CL385226	RP44_330I2	SP6	2	182752916	182753401	182.75	2.00E-58	SSFA2
CL366987	RP44_363I1	SP6	2	182871152	182871396	182.87	2.00E-08	LOC151242
CL352303	RP44_314G2	T7	2	183048157	183048207	183.05	2.00E-09	PDE1A
CL343355	RP44_276H11	SP6	2	183054553	183054841	183.05	2.00E-09	PDE1A
CL380821	RP44_314G2	SP6	2	183104927	183104967	183.10	6.00E-06	PDE1A
CL356028	RP44_410N23	SP6	2	183124536	183124808	183.12	2.00E-06	PDE1A
CL379458	RP44_426P13	SP6	2	183177698	183178274	183.18	2.00E-58	PDE1A
CL382492	RP44_324I1	SP6	2	183194731	183194916	183.19	2.00E-14	PDE1A
CL336098	RP44_255G7	SP6	2	183266369	183266871	183.27	2.00E-43	PDE1A
CL344930	RP44_279G18	SP6	2	183351007	183351515	183.35	e-138	PDE1A
CL363021	RP44_383O9	T7	2	183605723	183605767	183.61	7.00E-06	ERdj5
CL363241	RP44_383M6	SP6	2	183715791	183715996	183.72	1.00E-06	LOC344319
CL365083	RP44_400D17	T7	2	183763285	183763603	183.76	5.00E-34	NCKAP1
CL382788	RP44_325G7	SP6	2	183764020	183764129	183.76	1.00E-49	NCKAP1

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL363165	RP44_383M6	T7	2	183907430	183907780	183.91	3.00E-51	DUSP19
CL364491	RP44_396L3	SP6	2	183924302	183924394	183.92	2.00E-20	DUSP19
CL388516	RP44_284J18	SP6	2	184043201	184043570	184.04	1.00E-61	NA
CL368048	RP44_288O10	SP6	2	184114050	184114541	184.11	4.00E-41	NA
CL327415	RP44_245D9	SP6	2	184201109	184201146	184.20	6.00E-07	LOC351329
CL364725	RP44_398B11	SP6	2	184226462	184226568	184.23	5.00E-12	NA
CL353881	RP44_403L18	SP6	2	184443120	184443714	184.44	1.00E-90	NA
CL388908	RP44_285N10	T7	2	184505857	184506174	184.51	5.00E-24	NA
CL328261	RP44_248I20	T7	2	184592267	184592395	184.59	1.00E-10	NA
CL338604	RP44_266K8	SP6	2	184615188	184615492	184.62	2.00E-70	NA
CL413692	RP44_435A17	T7	2	184729954	184729996	184.73	3.00E-07	NA
CL329567	RP44_394H9	T7	2	184811566	184811679	184.81	2.00E-11	NA
CL388017	RP44_284E1	SP6	2	184825020	184825151	184.83	2.00E-15	NA
CL350869	RP44_311L1	T7	2	184948155	184948393	184.95	6.00E-71	NA
CL387950	RP44_284E1	T7	2	185039795	185039967	185.04	2.00E-08	NA
CL374694	RP44_470H19	T7	2	185097789	185097824	185.10	9.00E-08	NA
CL339312	RP44_268J13	SP6	2	185101967	185102199	185.10	2.00E-06	NA
CL324587	RP44_476A4	SP6	2	185254511	185254599	185.25	2.00E-08	NA
CL354043	RP44_405A2	T7	2	185765752	185766173	185.77	3.00E-50	LOC91752
CL320271	CH242_2F9	T7	2	185822654	185822819	185.82	1.00E-33	NA
CL381480	RP44_315H6	SP6	2	186103583	186103943	186.10	5.00E-16	LOC344322
CL341402	RP44_260F15	SP6	2	187198805	187201698	187.20	5.00E-27	LOC285136
CL356064	RP44_410F16	T7	2	187458002	187458494	187.46	2.00E-40	ITGAV
CL371435	RP44_302N23	SP6	2	187731445	187733637	187.73	1.00E-13	NA
CL350357	RP44_310B12	T7	2	187748585	187749104	187.75	5.00E-22	NA
CL353150	RP44_402E22	SP6	2	187920247	187920629	187.92	3.00E-72	NA
CL414001	RP44_435P15	T7	2	188173986	188174141	188.17	1.00E-08	CALCRL
CL379510	RP44_426J8	T7	2	188262953	188263123	188.26	1.00E-10	CALCRL
CL384289	RP44_328P4	T7	2	188651729	188651772	188.65	1.00E-07	NA
CL333318	RP44_249A10	SP6	2	188712258	188712416	188.71	1.00E-09	NA
CL375949	RP44_441L21	T7	2	188986540	188986727	188.99	3.00E-09	NA
CL360872	RP44_343G11	T7	2	189048848	189049006	189.05	2.00E-11	NA
CL349973	RP44_310C21	SP6	2	189086281	189086349	189.09	7.00E-11	NA
CL345715	RP44_280D19	SP6	2	189106086	189106352	189.11	1.00E-10	NA
CL320367	CH242_6F24	T7	2	189112814	189113572	189.11	6.00E-09	NA
CL360182	RP44_338D24	T7	2	189117958	189118137	189.12	6.00E-07	NA
CL382487	RP44_324G15	SP6	2	189124852	189125383	189.13	5.00E-19	CED-6
CL381233	RP44_315H7	T7	2	189438551	189438687	189.44	8.00E-18	NA
CL381419	RP44_315L8	T7	2	189438551	189438687	189.44	7.00E-18	NA
CL332965	CH242_12P18	T7	2	189566208	189566331	189.57	4.00E-13	DIRC1
CL323898	RP44_463E3	T7	2	189608843	189609072	189.61	4.00E-10	DIRC1
CL374271	RP44_469H24	SP6	2	189949845	189950122	189.95	4.00E-07	COL5A2
CL368051	RP44_288O18	SP6	2	190039994	190040112	190.04	9.00E-17	NA
CL358812	RP44_415M8	T7	2	190109251	190109328	190.11	3.00E-07	NA
CL343522	RP44_276H22	SP6	2	190440489	190446203	190.44	2.00E-24	NA
CL367576	RP44_367J5	SP6	2	190453891	190453948	190.45	3.00E-11	NA
CL340769	RP44_258N5	T7	2	190577614	190577657	190.58	4.00E-10	LOC64172
CL387584	RP44_281J7	SP6	2	190677459	190677584	190.68	2.00E-14	PMS1
CL361039	RP44_343B3	SP6	2	190889586	190890090	190.89	1.00E-22	GDF8
CL325819	RP44_242G16	T7	2	190934694	190935106	190.93	4.00E-13	NA
CL360975	RP44_343B3	T7	2	191030146	191030200	191.03	5.00E-08	NA
CL366251	RP44_358F15	SP6	2	191342743	191342847	191.34	9.00E-06	LOC200448
CL389328	RP44_286F13	T7	2	191372740	191373063	191.37	1.00E-12	NA
CL439624	RP44_296M23	SP6	2	191372956	191373063	191.37	1.00E-12	NA
CL353119	RP44_402O22	T7	2	191431691	191432153	191.43	2.00E-86	LOC344052
CL340133	RP44_257C7	T7	2	191431806	191432153	191.43	1.00E-86	LOC344052
CL355103	RP44_409G11	SP6	2	191725674	191726433	191.73	4.00E-07	GLS
CL336687	RP44_263G14	SP6	2	191726711	191726761	191.73	2.00E-09	GLS
CL348298	RP44_274H1	T7	2	191762672	191763252	191.76	2.00E-24	GLS
CL378789	RP44_425M23	T7	2	191866421	191866532	191.87	1.00E-10	STAT4
CL357456	RP44_413I21	SP6	2	192073010	192073238	192.07	1.00E-77	NA
CL378871	RP44_425M23	SP6	2	192078886	192079019	192.08	4.00E-16	NA
CL331792	CH242_9A17	T7	2	192140507	192140747	192.14	2.00E-30	MYO1B
CL357374	RP44_413I21	T7	2	192220468	192220532	192.22	1.00E-10	MYO1B
CL331878	CH242_9A17	SP6	2	192315727	192316020	192.32	2.00E-55	LOC351337

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL340182	RP44_257M7	T7	2	192358273	192358337	192.36	2.00E-13	LOC351337
CL361455	RP44_350L6	T7	2	192393825	192393908	192.39	2.00E-08	LOC351337
CL335570	RP44_253D6	T7	2	192436247	192437319	192.44	1.00E-30	NA
CL347545	RP44_272N5	SP6	2	192474552	192474596	192.47	2.00E-08	NA
CL340260	RP44_257M7	SP6	2	192514839	192514998	192.51	5.00E-21	FLJ22833
CL361509	RP44_350L6	SP6	2	192514949	192515250	192.52	2.00E-11	FLJ22833
CL338808	RP44_267C14	T7	2	192523089	192523145	192.52	4.00E-13	NA
CL326008	RP44_242L5	SP6	2	192543536	192543810	192.54	2.00E-50	LOC344054
CL356044	RP44_410B14	T7	2	192585817	192586362	192.59	e-135	NA
CL338873	RP44_267C14	SP6	2	192688019	192688089	192.69	9.00E-17	LOC344056
CL359726	RP44_337E2	SP6	2	192694071	192694146	192.69	7.00E-24	LOC344056
CL336021	RP44_255G15	T7	2	192723595	192723737	192.72	2.00E-21	LOC344057
CL356125	RP44_410B14	SP6	2	192735079	192735517	192.74	1.00E-22	LOC344057
CL362806	RP44_380F2	T7	2	192747346	192747771	192.75	3.00E-78	LOC344057
CL412915	RP44_431D10	T7	2	192757781	192758293	192.76	1.00E-93	LOC344057
CL343957	RP44_277D3	SP6	2	192830906	192830969	192.83	3.00E-10	TMEFF2
CL381324	RP44_315J1	SP6	2	192863270	192863437	192.86	2.00E-26	TMEFF2
CL332460	CH242_10P3	SP6	2	192912481	192912586	192.91	7.00E-09	TMEFF2
CL381240	RP44_315J1	T7	2	193013089	193013333	193.01	2.00E-55	TMEFF2
CL372407	RP44_305H18	T7	2	193139424	193139642	193.14	1.00E-19	NA
CL336270	RP44_255J15	SP6	2	193195953	193196029	193.20	3.00E-08	LOC351338
CL372491	RP44_305H18	SP6	2	193332590	193332766	193.33	7.00E-09	NA
CL321061	CH242_15G24	T7	2	193332590	193332795	193.33	7.00E-09	NA
CL379208	RP44_426C4	T7	2	193470826	193470870	193.47	2.00E-08	NA
CL351510	RP44_313G23	T7	2	193795662	193795834	193.80	9.00E-35	LOC351339
CL337980	RP44_265O2	SP6	2	193936523	193936585	193.94	5.00E-06	NA
CL366235	RP44_358B9	SP6	2	194047528	194973226	194.51	2.00E-52	NA
CL337899	RP44_265O2	T7	2	194169059	194169153	194.17	7.00E-09	NA
CL359051	RP44_335H19	SP6	2	194356528	194356613	194.36	5.00E-15	NA
CL380738	RP44_429P5	T7	2	194999932	195000048	195.00	4.00E-16	NA
CL366272	RP44_358L3	SP6	2	195054591	195054995	195.05	5.00E-65	LOC343982
CL386951	RP44_335K11	SP6	2	195284750	195285210	195.28	5.00E-50	LOC343982
CL378776	RP44_425K19	T7	2	195309956	195310440	195.31	2.00E-80	LOC343982
CL345497	RP44_280I8	T7	2	195519150	195519273	195.52	1.00E-07	LOC351340
CL387377	RP44_281O22	T7	2	195553811	195553867	195.55	4.00E-13	LOC351340
CL340764	RP44_258L17	T7	2	195766968	195767091	195.77	2.00E-08	NA
CL337679	RP44_265C5	T7	2	195823119	195826138	195.82	6.00E-12	LOC351341
CL388133	RP44_284M16	T7	2	195823119	195826148	195.82	1.00E-15	LOC351341
CL328593	RP44_248N18	T7	2	195826231	195826899	195.83	1.00E-13	LOC351341
CL381309	RP44_315F9	SP6	2	195968157	195968458	195.97	2.00E-33	NA
CL333089	RP44_248N18	SP6	2	195978444	195978609	195.98	1.00E-56	NA
CL322587	RP44_405N23	SP6	2	196150898	196151012	196.15	3.00E-10	LOC351342
CL376084	RP44_443O5	T7	2	196187272	196187443	196.19	5.00E-16	LOC351342
CL387055	RP44_335O16	T7	2	196197252	196198405	196.20	2.00E-24	NA
CL327897	RP44_246P5	SP6	2	196229321	196229370	196.23	1.00E-06	NA
CL411658	RP44_422F15	T7	2	196289876	196290035	196.29	3.00E-26	LOC343984
CL365768	RP44_355N15	SP6	2	196309225	196309331	196.31	2.00E-08	LOC343984
CL365135	RP44_400N11	T7	2	196701000	196701224	196.70	1.00E-77	DNAH7
CL330519	CH242_4M1	T7	2	196768000	196768140	196.77	2.00E-17	DNAH7
CL324088	RP44_463B14	SP6	2	197005036	197005067	197.01	6.00E-08	NA
CL350272	RP44_310P17	T7	2	197068994	197069611	197.07	6.00E-65	KIAA1301
CL333682	RP44_250G14	T7	2	197190468	197190931	197.19	2.00E-14	KIAA1301
CL336261	RP44_255H19	SP6	2	197336859	197337367	197.34	4.00E-81	KIAA1301
CL355209	RP44_409O10	T7	2	197359279	197359359	197.36	2.00E-08	KIAA1301
CL324215	RP44_474C10	SP6	2	197541479	197541579	197.54	2.00E-15	LOC200624
CL373254	RP44_308O14	T7	2	197596477	197596531	197.60	4.00E-07	GTF3C3
CL352576	RP44_401B19	T7	2	197700364	197700570	197.70	3.00E-11	FLJ12377
CL324214	RP44_474C10	T7	2	197705376	197705549	197.71	7.00E-15	FLJ12377
CL354332	RP44_406O1	SP6	2	197719537	197719660	197.72	4.00E-36	FLJ12377
CL338812	RP44_267E2	T7	2	197876068	197876277	197.88	2.00E-06	LOC91526
CL362809	RP44_380F8	T7	2	197953774	197954037	197.95	4.00E-22	LOC91526
CL375900	RP44_441E20	T7	2	198058676	198058782	198.06	2.00E-19	LOC91526
CL387095	RP44_280H2	SP6	2	198102188	198102232	198.10	6.00E-06	LOC91526
CL353135	RP44_402C16	SP6	2	198230141	198230294	198.23	1.00E-56	SF3B1
CL331363	CH242_7F11	T7	2	198545057	198545560	198.55	1.00E-09	NA

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CL344814	RP44_279A6	T7	2	198708335	198708600	198.71	3.00E-08	LOC343987
CL345176	RP44_279L20	T7	2	198801043	198801331	198.80	4.00E-31	NA
CL386284	RP44_333B2	T7	2	198809848	198810069	198.81	4.00E-10	NA
CL327944	RP44_246J6	T7	2	198887070	198887144	198.89	3.00E-07	NA
CL375697	RP44_436L10	T7	2	198901041	198901086	198.90	5.00E-09	NA
CL374987	RP44_471C7	T7	2	198932571	198934447	198.93	8.00E-55	PLCL1
CL351225	RP44_312O15	T7	2	199076069	199076426	199.08	3.00E-17	NA
CL354732	RP44_408G16	T7	2	199088683	199088990	199.09	7.00E-06	NA
CL338311	RP44_265P16	SP6	2	199166610	199166942	199.17	e-163	NA
CL347245	RP44_272A18	T7	2	199191108	199191645	199.19	0	NA
CL340752	RP44_258J7	T7	2	199214653	199214845	199.21	4.00E-25	NA
CL389001	RP44_286A19	T7	2	199350680	199350921	199.35	5.00E-37	NA
CL347330	RP44_272A18	SP6	2	199422569	199422637	199.42	2.00E-08	LOC343989
CL359318	RP44_336P19	T7	2	199486781	199487417	199.49	0	LOC351344
CL388130	RP44_284M8	T7	2	199521699	199522114	199.52	0	NA
CL331778	CH242_8P1	SP6	2	199668998	199669491	199.67	0	NA
CL349920	RP44_310I3	T7	2	199675529	199675629	199.68	1.00E-10	NA
CL349997	RP44_310I3	SP6	2	199865980	199866371	199.87	3.00E-17	NA
CL340517	RP44_257H1	SP6	2	199869856	199870266	199.87	e-99	NA
CL339712	RP44_256G13	T7	2	199927022	199927138	199.93	4.00E-13	NA
CL346779	RP44_271F15	T7	2	199995596	199996048	200.00	1.00E-78	NA
CL329496	RP44_394O12	SP6	2	200126574	200126928	200.13	3.00E-13	KIAA1034
CL375994	RP44_441L4	T7	2	200502381	200502476	200.50	2.00E-22	NA
CL374353	RP44_470I1	T7	2	200511543	200511670	200.51	1.00E-15	NA
CL408988	RP44_416L3	SP6	2	200638323	200638651	200.64	2.00E-18	LOC348751
CL366560	RP44_362I20	SP6	2	200690208	200690814	200.69	2.00E-15	NA
CL366486	RP44_362I20	T7	2	200868415	200868920	200.87	e-141	LOC351346
CL326250	RP44_243M3	SP6	2	201208228	201208723	201.21	3.00E-47	DKFZP564A2416
CL369967	RP44_292N10	SP6	2	201275567	201275668	201.28	5.00E-12	DKFZP564A2416
CL356995	RP44_412K10	SP6	2	201288437	201288622	201.29	3.00E-58	DKFZP564A2416
CL357967	RP44_413N18	SP6	2	201398444	201398615	201.40	5.00E-16	TRIPIN
CL386073	RP44_332B6	SP6	2	201399142	201399227	201.40	2.00E-11	TRIPIN
CL413125	RP44_432O13	T7	2	201399142	201399498	201.40	3.00E-11	TRIPIN
CL332280	CH242_10K12	SP6	2	201399391	201399808	201.40	2.00E-11	TRIPIN
CL334907	RP44_252O12	T7	2	201449404	201449570	201.45	2.00E-38	AOX1
CL354661	RP44_408G5	SP6	2	201597822	201597866	201.60	1.00E-08	LOC344454
CL331553	CH242_8O23	T7	2	201851425	201851712	201.85	1.00E-35	MGC39518
CL331636	CH242_8O23	SP6	2	202037938	202038315	202.04	1.00E-71	CASP10
CL352789	RP44_401L12	T7	2	202273713	202274252	202.27	2.00E-33	ALS2CR3
CL387361	RP44_281M6	T7	2	202325695	202325732	202.33	2.00E-06	FLJ25351
CL352866	RP44_401L12	SP6	2	202399109	202399177	202.40	5.00E-13	FLJ25351
CL356116	RP44_410P14	T7	2	202532901	202533408	202.53	8.00E-61	ALS2
CL352620	RP44_401L1	T7	2	202575926	202575987	202.58	7.00E-14	ALS2
CL352697	RP44_401L1	SP6	2	202778267	202778512	202.78	6.00E-61	LOC344455
CL358362	RP44_414D17	SP6	2	202862331	202862849	202.86	3.00E-16	NA
CL358389	RP44_414J17	SP6	2	202862331	202862850	202.86	3.00E-16	NA
CL380983	RP44_314F21	SP6	2	203042721	203042761	203.04	2.00E-08	UBL1
CL355579	RP44_409N2	SP6	2	203172841	203172990	203.17	6.00E-06	NA
CL380901	RP44_314F21	T7	2	203208364	203208485	203.21	1.00E-25	BMPR2
CL380939	RP44_314N11	T7	2	203233937	203234041	203.23	5.00E-14	BMPR2
CL330485	CH242_3P22	SP6	2	203439802	203440484	203.44	9.00E-21	LOC200722
CL390188	RP44_288G11	SP6	2	203607361	203607753	203.61	9.00E-14	LOC130026
CL330401	CH242_3P22	T7	2	203650091	203650350	203.65	1.00E-53	LOC130026
CL408439	RP44_415I22	SP6	2	203700480	203700530	203.70	9.00E-15	LOC130026
CL387249	RP44_281E21	SP6	2	203700480	203700549	203.70	2.00E-23	LOC130026
CL368766	RP44_289D1	SP6	2	203703760	203703971	203.70	7.00E-12	NA
CL347552	RP44_272N23	SP6	2	203735228	203735316	203.74	4.00E-06	WDR12
CL368685	RP44_289D1	T7	2	203888773	203888927	203.89	1.00E-28	NA
CL347472	RP44_272N23	T7	2	203906489	203906839	203.91	2.00E-42	NA
CL408669	RP44_415J8	T7	2	203913142	203913328	203.91	5.00E-59	NA
CL352662	RP44_401D15	SP6	2	204354837	204354919	204.35	1.00E-16	ALS2CR9
CL352583	RP44_401D15	T7	2	204568094	204568483	204.57	6.00E-12	NA
CL348847	RP44_275E2	SP6	2	204752045	204752143	204.75	2.00E-21	LOC200724
CL338002	RP44_265D7	T7	2	204825982	204826220	204.83	8.00E-12	NA
CL369616	RP44_292K11	T7	2	204850253	204850329	204.85	2.00E-08	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL388039	RP44_284I7	SP6	2	204874591	204875157	204.87	5.00E-06	NA
CL357344	RP44_413C15	T7	2	204892099	204892188	204.89	2.00E-11	LOC129311
CL367542	RP44_367D5	SP6	2	204952820	204952915	204.95	3.00E-17	NA
CL369683	RP44_292K11	SP6	2	205002962	205003192	205.00	5.00E-46	NA
CL355833	RP44_410I10	SP6	2	205015677	205016651	205.02	3.00E-50	NA
CL358594	RP44_415C3	T7	2	205057363	205057690	205.06	e-109	NA
CL387693	RP44_282O11	T7	2	205093052	205093147	205.09	6.00E-10	LOC351350
CL370001	RP44_293E16	T7	2	205142236	205142365	205.14	7.00E-17	NA
CL383014	RP44_325F7	T7	2	205157277	205157521	205.16	6.00E-92	NA
CL368571	RP44_289K24	T7	2	205295225	205295542	205.30	4.00E-78	NA
CL410866	RP44_420E11	T7	2	205379402	205379648	205.38	2.00E-20	ALS2CR19
CL382774	RP44_325C17	SP6	2	205513360	205513697	205.51	4.00E-10	ALS2CR19
CL382468	RP44_324E1	SP6	2	205715299	205715708	205.72	1.00E-15	ALS2CR19
CL374450	RP44_470K3	SP6	2	205784813	217859562	211.82	6.00E-34	ALS2CR19
CL339916	RP44_256D3	SP6	2	205940739	205941128	205.94	2.00E-67	ALS2CR19
CL361165	RP44_344N22	T7	2	205972044	214698077	210.34	4.00E-22	PF20
CL412257	RP44_430F14	T7	2	206081793	206081868	206.08	2.00E-08	ALS2CR19
CL376708	RP44_445B9	T7	2	206102710	206102830	206.10	2.00E-11	ALS2CR19
CL321878	CH242_15M21	T7	2	206243915	206244677	206.24	3.00E-11	ALS2CR19
CL351602	RP44_313I21	SP6	2	206526134	206526474	206.53	5.00E-68	NRP2
CL362041	RP44_353L13	T7	2	206526379	206526474	206.53	4.00E-31	NRP2
CL381489	RP44_315J6	SP6	2	206534999	206535380	206.54	e-118	NRP2
CL333714	RP44_250O6	T7	2	206571916	206572306	206.57	e-121	NRP2
CL338300	RP44_265N12	SP6	2	206922004	206922131	206.92	1.00E-10	NA
CL339177	RP44_268M24	SP6	2	206922004	206922131	206.92	1.00E-10	NA
CL381561	RP44_316G7	T7	2	206933792	206934382	206.93	1.00E-09	NA
CL389085	RP44_286C21	SP6	2	206989650	206989777	206.99	4.00E-10	EEF1B2
CL354068	RP44_405K4	T7	2	207017309	207017607	207.02	6.00E-14	GPR1
CL327371	RP44_245J19	T7	2	207271215	207271304	207.27	2.00E-16	LOC351351
CL358716	RP44_415K1	SP6	2	207277401	219549706	213.41	2.00E-08	KIAA0173
CL327441	RP44_245J19	SP6	2	207421157	207421476	207.42	1.00E-45	ADAM23
CL368392	RP44_289I15	T7	2	207430997	207431357	207.43	6.00E-12	ADAM23
CL389633	RP44_287E7	T7	2	207651115	207651288	207.65	1.00E-15	LOC344466
CL324719	RP44_476O24	SP6	2	207765596	207766009	207.77	3.00E-96	NA
CL324718	RP44_476O24	T7	2	207942671	207943051	207.94	e-103	KLF7
CL347093	RP44_272C9	T7	2	207943374	207943597	207.94	5.00E-10	KLF7
CL351948	RP44_313N13	SP6	2	207943835	207943917	207.94	3.00E-17	KLF7
CL382510	RP44_324K23	SP6	2	207991407	207991658	207.99	3.00E-22	KLF7
CL358820	RP44_415O2	T7	2	208167371	208167603	208.17	2.00E-67	LOC151193
CL355788	RP44_410O8	T7	2	208193992	208194385	208.19	2.00E-86	LOC151193
CL351198	RP44_312K3	T7	2	208248092	208248545	208.25	7.00E-09	LOC151193
CL351274	RP44_312K3	SP6	2	208426009	208426323	208.43	2.00E-84	CREB1
CL362437	RP44_377C14	SP6	2	208701254	208701718	208.70	6.00E-06	NA
CL355793	RP44_410O18	T7	2	208701254	208701817	208.70	2.00E-06	NA
CL335907	RP44_254P2	T7	2	208716085	208716154	208.72	2.00E-06	NA
CL373869	RP44_469I14	T7	2	208740423	208740652	208.74	1.00E-19	NA
CL355865	RP44_410O18	SP6	2	208780284	208780546	208.78	4.00E-65	NA
CL334398	RP44_251O8	SP6	2	208798986	208799531	208.80	e-121	NA
CL362357	RP44_377C14	T7	2	208868599	208869190	208.87	1.00E-90	NA
CL341460	RP44_260B10	T7	2	209158280	209158628	209.16	4.00E-13	KIAA0981
CL346339	RP44_270L23	T7	2	209174787	209174912	209.17	1.00E-37	KIAA0981
CL342870	RP44_275L4	SP6	2	209213473	209214288	209.21	9.00E-11	LOC130431
CL389997	RP44_287B16	SP6	2	209720026	209720797	209.72	2.00E-08	NA
CL359903	RP44_338K13	SP6	2	209980047	209980291	209.98	5.00E-16	NA
CL373439	RP44_308F21	SP6	2	210169240	210169358	210.17	2.00E-15	NA
CL356642	RP44_411N16	T7	2	210260473	210260750	210.26	2.00E-42	MAP2
CL384429	RP44_329I13	T7	2	210305712	210305800	210.31	6.00E-06	MAP2
CL324459	RP44_474N14	T7	2	210410431	210410466	210.41	6.00E-08	MAP2
CL333597	RP44_250C13	SP6	2	210428362	210428432	210.43	2.00E-09	MAP2
CL320640	CH242_13A3	SP6	2	210440530	210440602	210.44	2.00E-06	MAP2
CL351869	RP44_313N21	T7	2	210499501	210500161	210.50	2.00E-34	MAP2
CL388737	RP44_285G14	T7	2	210530209	210530572	210.53	1.00E-10	MAP2
CL330213	CH242_3L21	T7	2	210557896	210557948	210.56	1.00E-10	MAP2
CL386134	RP44_332P16	SP6	2	210621823	210621929	210.62	1.00E-09	LOC285175
CL388812	RP44_285G14	SP6	2	210696520	210696589	210.70	6.00E-09	KIAA1843

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CL366430	RP44_358N18	SP6	2	210696520	210696589	210.70	7.00E-09	KIAA1843
CL333201	RP44_249E5	SP6	2	210698886	210699260	210.70	1.00E-13	KIAA1843
CL330298	CH242_3L21	SP6	2	210749326	210749434	210.75	7.00E-06	KIAA1843
CL344163	RP44_278O13	SP6	2	210804291	210804336	210.80	1.00E-06	KIAA1843
CL375469	RP44_471P7	SP6	2	210815563	210815715	210.82	2.00E-18	NA
CL353551	RP44_403K6	T7	2	211403142	211403725	211.40	0	CPS1
CL409614	RP44_417H3	SP6	2	211436609	211436780	211.44	3.00E-10	CPS1
CL381788	RP44_316G12	SP6	2	211446708	211446985	211.45	3.00E-43	PRO0132
CL372542	RP44_306B15	T7	2	211449831	211449920	211.45	7.00E-10	CPS1
CL340779	RP44_258P1	T7	2	211514522	211514607	211.51	2.00E-06	NA
CL340855	RP44_258P1	SP6	2	211725558	211725772	211.73	3.00E-26	NA
CL365405	RP44_353F14	T7	2	211768081	211768382	211.77	1.00E-86	NA
CL365479	RP44_353F14	SP6	2	211922064	211922186	211.92	9.00E-14	NA
CL333653	RP44_250A6	T7	2	211937491	211937719	211.94	5.00E-56	NA
CL333686	RP44_250I6	T7	2	211937491	211937719	211.94	4.00E-56	NA
CL344421	RP44_278B7	SP6	2	212119005	212119142	212.12	4.00E-32	LOC348755
CL411715	RP44_429J13	SP6	2	212331464	212331562	212.33	7.00E-12	ERBB4
CL332254	CH242_10G4	SP6	2	212340491	212340714	212.34	6.00E-12	ERBB4
CL332164	CH242_10G4	T7	2	212592116	212592483	212.59	2.00E-68	ERBB4
CL380972	RP44_314D13	SP6	2	212761925	212762163	212.76	1.00E-16	ERBB4
CL375846	RP44_441M3	T7	2	212910675	212911128	212.91	2.00E-23	ERBB4
CL321619	CH242_13M18	T7	2	212957752	212957902	212.96	5.00E-22	ERBB4
CL372667	RP44_306J3	SP6	2	213029827	213030415	213.03	2.00E-55	ERBB4
CL339451	RP44_268F16	SP6	2	213093019	213093247	213.09	1.00E-89	ERBB4
CL357495	RP44_413A20	T7	2	213188768	213189049	213.19	4.00E-47	ERBB4
CL369910	RP44_292P6	T7	2	213374152	213374745	213.37	3.00E-13	NA
CL385845	RP44_332B1	T7	2	213374152	213374745	213.37	3.00E-13	NA
CL351954	RP44_313P1	SP6	2	213429695	213429790	213.43	3.00E-20	NA
CL352122	RP44_313P2	SP6	2	213429695	213429790	213.43	3.00E-20	NA
CL352040	RP44_313P2	T7	2	213595633	213595739	213.60	2.00E-06	LOC344479
CL372365	RP44_305P15	SP6	2	213730662	213730894	213.73	5.00E-56	LOC344480
CL372284	RP44_305P15	T7	2	213882546	213883306	213.88	1.00E-25	ZNFN1A2
CL369968	RP44_292N12	SP6	2	213932924	213933409	213.93	9.00E-76	ZNFN1A2
CL348073	RP44_273H18	SP6	2	213956206	213956449	213.96	1.00E-44	ZNFN1A2
CL325618	RP44_241B6	SP6	2	213961484	213961963	213.96	3.00E-57	ZNFN1A2
CL385326	RP44_330P11	T7	2	213984612	213985009	213.98	7.00E-30	NA
CL348603	RP44_275E7	T7	2	214689762	214690404	214.69	1.00E-28	PF20
CL411535	RP44_422K14	T7	2	214690631	214691207	214.69	7.00E-46	PF20
CL326964	RP44_244L12	T7	2	214691311	214691604	214.69	8.00E-18	PF20
CL359732	RP44_337G10	SP6	2	214835481	214835716	214.84	6.00E-34	PF20
CL374714	RP44_470L19	T7	2	214894765	214894808	214.89	9.00E-08	PF20
CL366196	RP44_358J3	T7	2	214911623	214911762	214.91	1.00E-19	PF20
CL359757	RP44_337M22	SP6	2	214934474	214935102	214.93	2.00E-71	PF20
CL359670	RP44_337G10	T7	2	214938673	214938823	214.94	5.00E-16	PF20
CL341157	RP44_260C3	SP6	2	214979052	214979468	214.98	5.00E-19	PF20
CL375888	RP44_441O7	SP6	2	215026122	215026376	215.03	6.00E-14	PF20
CL350186	RP44_310M18	SP6	2	215067166	215067457	215.07	1.00E-07	PF20
CL341238	RP44_260C3	T7	2	215174039	215174098	215.17	1.00E-07	PF20
CL340687	RP44_257N4	SP6	2	215174039	215174195	215.17	9.00E-08	PF20
CL350922	RP44_311F9	SP6	2	215181864	215182371	215.18	2.00E-43	PF20
CL410846	RP44_420A15	T7	2	215353119	215353188	215.35	2.00E-06	LOC344481
CL350841	RP44_311F9	T7	2	215362041	215362274	215.36	7.00E-27	LOC344481
CL410932	RP44_420A15	SP6	2	215542135	215542477	215.54	1.00E-06	NA
CL387544	RP44_281B13	SP6	2	215642292	215642334	215.64	3.00E-07	NA
CL362883	RP44_380F6	SP6	2	215676968	215677048	215.68	4.00E-13	NA
CL324217	RP44_474C14	SP6	2	215788968	215789152	215.79	2.00E-18	ABCA12
CL364242	RP44_396A22	T7	2	215788968	215789171	215.79	4.00E-16	ABCA12
CL409660	RP44_417P21	SP6	2	215840244	215840666	215.84	1.00E-49	ABCA12
CL362808	RP44_380F6	T7	2	215844222	215844274	215.84	7.00E-18	ABCA12
CL411764	RP44_430C17	T7	2	216057494	216057554	216.06	5.00E-06	NA
CL332752	CH242_12C16	SP6	2	216090907	216091162	216.09	3.00E-11	NA
CL411846	RP44_430C17	SP6	2	216263434	216263724	216.26	8.00E-30	FN1
CL335849	RP44_254B16	T7	2	216383744	216383884	216.38	2.00E-08	LOC344484
CL363233	RP44_383K12	SP6	2	216439323	216439670	216.44	7.00E-18	LOC344484
CL352825	RP44_401D10	SP6	2	216486469	216486689	216.49	9.00E-08	LOC344484

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CL334420	RP44_251D9	T7	2	216541771	216542288	216.54	5.00E-74	LOC344485
CL335923	RP44_254B16	SP6	2	216614816	216614921	216.61	6.00E-21	NA
CL356433	RP44_411124	SP6	2	216665689	216665965	216.67	4.00E-16	NA
CL369701	RP44_292O5	SP6	2	216697945	216698271	216.70	1.00E-62	NA
CL338474	RP44_266A8	T7	2	216828024	216828111	216.83	3.00E-10	FLJ10116
CL350620	RP44_311G1	SP6	2	216873167	216873256	216.87	6.00E-14	PECR
CL346366	RP44_270D3	SP6	2	216929485	216929760	216.93	1.00E-18	LOC92691
CL338550	RP44_266A8	SP6	2	217010472	217010522	217.01	4.00E-07	XRCC5
CL353523	RP44_403C18	T7	2	217137708	217138005	217.14	2.00E-13	KIAA1399
CL346288	RP44_270D3	T7	2	217142441	217142749	217.14	2.00E-70	KIAA1399
CL339029	RP44_268K9	SP6	2	217527721	217527795	217.53	4.00E-12	NA
CL384504	RP44_329G17	SP6	2	217678802	217679015	217.68	2.00E-08	NA
CL374362	RP44_470K3	T7	2	217723439	217723521	217.72	1.00E-09	NA
CL340014	RP44_256J10	T7	2	217746981	217747149	217.75	8.00E-35	NA
CL343670	RP44_277E15	SP6	2	217821287	217821468	217.82	6.00E-28	NA
CL343717	RP44_277O15	SP6	2	217821287	217821468	217.82	5.00E-28	NA
CL369959	RP44_292L8	SP6	2	217876878	217876928	217.88	3.00E-07	NA
CL383710	RP44_327E9	SP6	2	217876878	217876928	217.88	4.00E-07	NA
CL371206	RP44_302O22	T7	2	217997277	217997489	218.00	3.00E-57	LOC351358
CL383641	RP44_327E9	T7	2	218011992	218012114	218.01	5.00E-19	LOC351358
CL343578	RP44_277E15	T7	2	218014592	218014731	218.01	7.00E-09	LOC351358
CL343640	RP44_277O15	T7	2	218014606	218014731	218.01	1.00E-10	LOC351358
CL380185	RP44_428H16	T7	2	218271241	218271295	218.27	4.00E-07	LOC344491
CL374663	RP44_470B19	T7	2	218299920	218300255	218.30	2.00E-54	LOC344491
CL413331	RP44_432L12	SP6	2	218495657	218496207	218.50	1.00E-19	LOC344494
CL410417	RP44_419E21	SP6	2	218538999	218539068	218.54	5.00E-09	LOC344494
CL378633	RP44_424L16	T7	2	218676248	218676455	218.68	3.00E-38	TNS
CL413254	RP44_432L12	T7	2	218676248	218676546	218.68	3.00E-59	TNS
CL377998	RP44_422L8	T7	2	219159396	219159771	219.16	7.00E-12	BRP17
CL363565	RP44_388H24	T7	2	219254309	219254416	219.25	4.00E-19	VIL1
CL374464	RP44_470M11	SP6	2	219362233	219362289	219.36	4.00E-06	KIAA1594
CL378723	RP44_425A15	T7	2	219362764	219363452	219.36	7.00E-42	KIAA1594
CL383559	RP44_326B24	SP6	2	219463191	219463385	219.46	1.00E-52	PLCD4
CL363635	RP44_388H24	SP6	2	219479111	219479290	219.48	6.00E-18	ZNF142
CL366718	RP44_362L17	SP6	2	219527697	219528099	219.53	e-133	STK36
CL371830	RP44_304D9	SP6	2	219604401	219604980	219.60	2.00E-06	NA
CL362077	RP44_353D19	SP6	2	219721157	219721233	219.72	6.00E-18	WNT10A
CL329564	RP44_394H1	SP6	2	219721157	219721234	219.72	3.00E-13	WNT10A
CL334413	RP44_251B19	T7	2	219733052	219733141	219.73	3.00E-16	NA
CL371744	RP44_304D9	T7	2	219784653	219785082	219.78	9.00E-45	NA
CL336167	RP44_255F1	T7	2	219796967	219797012	219.80	1.00E-11	NA
CL376782	RP44_445P11	T7	2	219910457	219910650	219.91	1.00E-12	FLJ12610
CL387813	RP44_283G23	T7	2	219947143	219947597	219.95	e-140	FLJ12610
CL330217	CH242_3N5	T7	2	220003506	220003651	220.00	9.00E-57	CGI-57
CL350013	RP44_310K19	SP6	2	220068130	220068733	220.07	e-101	MGC10771
CL334974	RP44_252O8	SP6	2	220068152	220068577	220.07	3.00E-90	MGC10771
CL377183	RP44_449I16	SP6	2	220106444	220106477	220.11	1.00E-06	TUBA1
CL349935	RP44_310K19	T7	2	220264008	220264323	220.26	1.00E-45	NA
CL332893	CH242_12B16	T7	2	220363560	220363928	220.36	5.00E-15	ASIC4
CL351122	RP44_311L20	SP6	2	220367233	220367498	220.37	2.00E-25	ASIC4
CL328820	RP44_373H2	SP6	2	220426584	220426941	220.43	3.00E-38	STK111P
CL384955	RP44_329L6	SP6	2	220666917	220667179	220.67	1.00E-58	LOC344499
CL332817	CH242_12O14	SP6	2	220871743	220871824	220.87	1.00E-13	LOC344501
CL375842	RP44_441K5	T7	2	221038944	221039072	221.04	3.00E-13	LOC344503
CL363540	RP44_388D6	T7	2	221046152	221046304	221.05	5.00E-08	LOC344503
CL332728	CH242_12O14	T7	2	221070066	221070525	221.07	2.00E-83	LOC344504
CL341023	RP44_259E4	T7	2	221282327	221282397	221.28	6.00E-08	NA
CL388554	RP44_285A19	T7	2	221473014	221473450	221.47	e-105	NA
CL375162	RP44_471C16	T7	2	221609276	221609360	221.61	2.00E-08	NA
CL333506	RP44_249N8	SP6	2	221613679	221614203	221.61	e-124	NA
CL352663	RP44_401D17	SP6	2	221624800	221625006	221.62	4.00E-74	NA
CL361992	RP44_353B9	T7	2	221668017	221668097	221.67	1.00E-15	NA
CL336918	RP44_263F22	T7	2	221724387	221724792	221.72	3.00E-97	LOC351361
CL373171	RP44_307P13	SP6	2	221849340	221849385	221.85	7.00E-09	LOC344508
CL348510	RP44_274B14	SP6	2	222101586	222101832	222.10	3.00E-81	NA

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CL345424	RP44_280I9	SP6	2	222134255	222134346	222.13	1.00E-07	LOC351363
CL371203	RP44_302O16	T7	2	222153201	222153375	222.15	2.00E-21	NA
CL341016	RP44_259C8	T7	2	222167903	222167943	222.17	5.00E-06	NA
CL384336	RP44_328H14	SP6	2	222333120	222333178	222.33	2.00E-09	EPHA4
CL352112	RP44_313L24	SP6	2	222535856	222536000	222.54	9.00E-35	NA
CL335264	RP44_253K15	SP6	2	222653810	222654071	222.65	9.00E-68	LOC344509
CL335383	RP44_253I10	SP6	2	222653814	222654071	222.65	2.00E-72	LOC344509
CL352029	RP44_313L24	T7	2	222726541	222726852	222.73	1.00E-74	LOC344509
CL367334	RP44_367I12	T7	2	222778390	222778602	222.78	4.00E-07	NA
CL345943	RP44_269C20	SP6	2	222879030	222879628	222.88	4.00E-50	LOC348759
CL327582	RP44_246G13	SP6	2	222907639	222908742	222.91	2.00E-18	LOC348759
CL368399	RP44_289K7	T7	2	222947465	222947889	222.95	e-116	NA
CL348436	RP44_274B4	T7	2	223040199	223040251	223.04	6.00E-06	PAX3
CL323047	RP44_455H12	T7	2	223054544	223054793	223.05	4.00E-64	PAX3
CL345866	RP44_269C20	T7	2	223054544	223054881	223.05	9.00E-85	PAX3
CL354752	RP44_408K16	T7	2	224029298	224029385	224.03	1.00E-19	NA
CL348362	RP44_274B21	SP6	2	224241109	224241536	224.24	1.00E-25	LOC344512
CL332618	CH242_12I3	SP6	2	224288229	224288285	224.29	2.00E-12	LOC344512
CL356503	RP44_411L7	T7	2	224322937	224323367	224.32	9.00E-76	NA
CL356261	RP44_411M7	T7	2	224322937	224323367	224.32	9.00E-76	NA
CL383884	RP44_327I16	SP6	2	224396497	224396778	224.40	6.00E-34	LOC344514
CL348276	RP44_274B21	T7	2	224410277	224410527	224.41	3.00E-08	LOC344514
CL384059	RP44_327P14	SP6	2	224434523	224434649	224.43	8.00E-15	NA
CL383990	RP44_327P14	T7	2	224456092	224456160	224.46	1.00E-10	LOC344515
CL375562	RP44_471D8	SP6	2	225171087	225171212	225.17	1.00E-18	LOC344518
CL368042	RP44_288M16	SP6	2	225347655	225347691	225.35	4.00E-06	CUL3
CL370560	RP44_295F16	SP6	2	225538872	225538988	225.54	8.00E-11	LOC200754
CL370540	RP44_295B14	SP6	2	225538922	225538988	225.54	1.00E-09	LOC200754
CL357569	RP44_413O20	T7	2	225538922	225538988	225.54	2.00E-09	LOC200754
CL344839	RP44_279E16	T7	2	225551627	225551948	225.55	3.00E-57	NA
CL385721	RP44_332E8	T7	2	225714398	225714448	225.71	1.00E-09	KIAA0694
CL374613	RP44_470I6	SP6	2	225812063	225812555	225.81	9.00E-42	KIAA0694
CL341789	RP44_261C16	T7	2	225884298	225884391	225.88	1.00E-06	NA
CL350692	RP44_311G4	T7	2	225954132	225954231	225.95	6.00E-15	NA
CL378458	RP44_424M4	SP6	2	226038702	226038787	226.04	1.00E-06	NA
CL373015	RP44_307B23	T7	2	226075655	226075747	226.08	2.00E-20	LOC351372
CL352234	RP44_314G15	SP6	2	226237596	226237840	226.24	2.00E-70	KIAA1486
CL343883	RP44_277B17	T7	2	226295090	226296395	226.30	2.00E-40	KIAA1486
CL370740	RP44_300O7	T7	2	226422408	226422789	226.42	2.00E-12	KIAA1486
CL354604	RP44_408G15	T7	2	227552582	227552759	227.55	2.00E-43	NA
CL351643	RP44_313A18	T7	2	227565214	227565504	227.57	7.00E-06	IRS1
CL355517	RP44_409P12	T7	2	227621588	227621653	227.62	1.00E-09	IRS1
CL355371	RP44_409P13	T7	2	227621588	227621787	227.62	2.00E-09	IRS1
CL374235	RP44_469B12	SP6	2	227743141	227743361	227.74	3.00E-56	DKFZp547E052
CL355449	RP44_409P13	SP6	2	227839146	227839250	227.84	3.00E-32	COL4A4
CL381670	RP44_316K15	SP6	2	228037804	228037874	228.04	4.00E-07	COL4A3
CL332140	CH242_10C4	T7	2	228075160	228075481	228.08	6.00E-55	COL4A3
CL327741	RP44_246I20	SP6	2	228109160	228109366	228.11	2.00E-45	COL4A3
CL360982	RP44_343B21	T7	2	228328786	228328846	228.33	3.00E-08	HRB
CL413203	RP44_432M21	SP6	2	228406867	228406914	228.41	7.00E-06	NA
CL329129	RP44_382F20	SP6	2	228406867	228407069	228.41	6.00E-06	NA
CL361044	RP44_343B21	SP6	2	228516271	228516430	228.52	3.00E-11	SLC19A3
CL347909	RP44_273C8	SP6	2	228844248	228844406	228.84	2.00E-14	SKIP
CL343658	RP44_277C7	SP6	2	229103664	229103696	229.10	7.00E-06	NA
CL369703	RP44_292O11	SP6	2	229172211	229172560	229.17	9.00E-08	NA
CL344271	RP44_278C16	SP6	2	229600195	229600606	229.60	9.00E-20	NA
CL333508	RP44_249N14	SP6	2	229673120	229673253	229.67	6.00E-09	NA
CL412960	RP44_431N18	T7	2	229681955	229682039	229.68	3.00E-08	NA
CL328891	RP44_373N22	T7	2	229689849	229690155	229.69	2.00E-06	NA
CL364417	RP44_396J1	T7	2	229854389	229854802	229.85	e-172	FLJ20701
CL328892	RP44_373N22	SP6	2	229862480	229862583	229.86	6.00E-15	FLJ20701
CL364481	RP44_396J1	SP6	2	230005501	230006245	230.01	6.00E-08	FLJ20701
CL383357	RP44_326E14	T7	2	230321914	230322126	230.32	3.00E-35	DNER
CL349449	RP44_309G4	T7	2	230403218	230403336	230.40	1.00E-16	DNER
CL335357	RP44_253A14	SP6	2	230487442	230487838	230.49	2.00E-29	DNER

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CL389275	RP44_286I16	SP6	2	230813863	230813972	230.81	1.00E-11	LOC130888
CL383087	RP44_325D7	SP6	2	231822906	231823065	231.82	6.00E-11	LOC348761
CL414261	RP44_436E16	SP6	2	231869706	231869760	231.87	4.00E-07	LOC257407
CL414183	RP44_436E16	T7	2	232055474	232055546	232.06	3.00E-20	FLJ12584
CL336306	RP44_263G15	T7	2	232138703	232138755	232.14	6.00E-06	FLJ12584
CL371067	RP44_301A23	SP6	2	232547524	232547654	232.55	5.00E-24	NA
CL349713	RP44_309N15	SP6	2	232547524	232547654	232.55	4.00E-21	NA
CL322160	RP44_404E23	SP6	2	232547547	232547654	232.55	5.00E-13	NA
CL335543	RP44_253L19	SP6	2	232594250	232594641	232.59	3.00E-72	PDE6D
CL344680	RP44_279E7	T7	2	233030631	233030671	233.03	5.00E-06	MGC42174
CL360199	RP44_338J6	T7	2	233074615	233074676	233.07	1.00E-06	MGC42174
CL374944	RP44_470J16	SP6	2	233379710	233379862	233.38	1.00E-14	EIF4EL3
CL440068	RP44_299B14	T7	2	233452477	233452543	233.45	2.00E-07	NA
CL350328	RP44_310L19	SP6	2	233501036	233501179	233.50	5.00E-46	FLJ13612
CL334018	RP44_250B16	SP6	2	233615980	233616101	233.62	4.00E-28	NA
CL340938	RP44_258B18	SP6	2	233803830	233803887	233.80	1.00E-06	NGEF
CL322457	RP44_404N24	SP6	2	234129157	234129287	234.13	2.00E-19	INPP5D
CL340870	RP44_258B18	T7	2	234131674	234131772	234.13	4.00E-06	INPP5D
CL368627	RP44_289G12	SP6	2	234286601	234286644	234.29	3.00E-10	DGKD
CL376810	RP44_445F1	SP6	2	234481739	234482061	234.48	3.00E-88	FLJ10785
CL408694	RP44_415N14	T7	2	234855589	234855789	234.86	5.00E-31	TRPM8
CL387423	RP44_281I14	SP6	2	234997031	234997298	235.00	1.00E-12	SPP2
CL408776	RP44_415N14	SP6	2	235079092	235079647	235.08	3.00E-23	NA
CL349660	RP44_309D7	SP6	2	235259280	235259644	235.26	1.00E-07	NA
CL332905	CH242_12F2	T7	2	235417963	235418019	235.42	9.00E-19	ARL7
CL387453	RP44_281O16	SP6	2	235539279	235539423	235.54	9.00E-11	NA
CL381938	RP44_323K21	SP6	2	235584559	235584708	235.58	2.00E-24	NA
CL332990	CH242_12F2	SP6	2	235638429	235638501	235.64	1.00E-10	LOC285109
CL335049	RP44_252N17	T7	2	235731312	235731400	235.73	4.00E-13	LOC344236
CL335008	RP44_252F21	T7	2	235977472	235977677	235.98	3.00E-78	SH3BP4
CL367392	RP44_367E4	SP6	2	236271208	236271370	236.27	7.00E-43	LOC344241
CL351377	RP44_312M2	SP6	2	236432347	236432422	236.43	9.00E-27	CENTG2
CL366177	RP44_358D21	T7	2	236686248	236686300	236.69	2.00E-08	CENTG2
CL387324	RP44_281E16	T7	2	236686248	236686612	236.69	1.00E-87	CENTG2
CL330173	CH242_3D21	T7	2	236737271	236737423	236.74	5.00E-12	CENTG2
CL347756	RP44_273C19	SP6	2	236868753	236869131	236.87	9.00E-82	CENTG2
CL351348	RP44_312C8	SP6	2	237533556	237533598	237.53	4.00E-07	NA
CL410965	RP44_420I1	SP6	2	237758530	237758658	237.76	3.00E-17	NA
CL410883	RP44_420I1	T7	2	237758530	237758658	237.76	1.00E-17	NA
CL373278	RP44_308E2	SP6	2	237811495	237811559	237.81	1.00E-15	LOC351265
CL372569	RP44_306H1	T7	2	238742386	238743000	238.74	3.00E-23	LRRFIP1
CL331936	CH242_9M13	SP6	2	238998583	238998627	239.00	6.00E-06	SCLY
CL323008	RP44_455D4	T7	2	240554312	240554392	240.55	7.00E-11	NA
CL413797	RP44_435K9	SP6	2	242117024	242117113	242.12	1.00E-18	PPP1R7
CL340772	RP44_258N11	T7	3	129895	130025	0.13	4.00E-07	NA
CL386999	RP44_335C24	T7	3	140869	141531	0.14	4.00E-44	NA
CL344684	RP44_279E17	T7	3	181665	182227	0.18	e-119	NA
CL349686	RP44_309H19	SP6	3	396776	396972	0.40	3.00E-48	CHL1
CL347668	RP44_272P8	SP6	3	442927	443049	0.44	3.00E-18	CHL1
CL351356	RP44_312E16	SP6	3	557695	557915	0.56	5.00E-68	NA
CL371205	RP44_302O20	T7	3	590979	591224	0.59	3.00E-57	NA
CL371491	RP44_302N20	T7	3	590979	591225	0.59	7.00E-58	NA
CL387941	RP44_284A21	T7	3	777318	777640	0.78	5.00E-18	NA
CL361846	RP44_351P5	SP6	3	810167	810405	0.81	1.00E-22	NA
CL412729	RP44_431O24	SP6	3	811729	811783	0.81	1.00E-07	NA
CL322156	RP44_404E15	SP6	3	877262	877677	0.88	6.00E-18	NA
CL379962	RP44_428M2	SP6	3	1047251	1047420	1.05	6.00E-06	NA
CL411303	RP44_420P13	SP6	3	1217974	1218072	1.22	1.00E-16	CNTN6
CL411809	RP44_430M5	T7	3	1882185	1882316	1.88	1.00E-19	NA
CL331805	CH242_9C21	T7	3	1896127	1896673	1.90	3.00E-45	NA
CL409386	RP44_417A22	T7	3	1933020	1933286	1.93	4.00E-41	NA
CL331890	CH242_9C21	SP6	3	2002135	2002855	2.00	2.00E-74	NA
CL373453	RP44_308J1	SP6	3	2166654	2166872	2.17	1.00E-19	CNTN4
CL373427	RP44_308D11	SP6	3	2166654	2167262	2.17	7.00E-09	CNTN4
CL322919	RP44_437E16	T7	3	2210712	2210817	2.21	3.00E-16	CNTN4

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CL409024	RP44_416B13	T7	3	2215409	2215610	2.22	2.00E-20	CNTN4
CL341485	RP44_260H4	T7	3	2273449	2273695	2.27	9.00E-67	CNTN4
CL354223	RP44_405H16	SP6	3	2409097	2409314	2.41	4.00E-40	CNTN4
CL410101	RP44_418O16	SP6	3	2492270	2492641	2.49	1.00E-50	CNTN4
CL383111	RP44_325H13	SP6	3	2577501	2577559	2.58	4.00E-07	CNTN4
CL374815	RP44_470P5	SP6	3	2681452	2684516	2.68	4.00E-19	CNTN4
CL364247	RP44_396C10	T7	3	2775302	2775806	2.78	4.00E-44	CNTN4
CL364171	RP44_396E5	SP6	3	2776430	2776968	2.78	9.00E-45	CNTN4
CL364386	RP44_396O16	SP6	3	2783506	2783614	2.78	8.00E-18	CNTN4
CL374728	RP44_470P5	T7	3	2814301	2814641	2.81	1.00E-16	CNTN4
CL413282	RP44_432P24	T7	3	2842093	2842462	2.84	2.00E-18	CNTN4
CL364323	RP44_396C10	SP6	3	2956527	2956623	2.96	2.00E-11	CNTN4
CL413360	RP44_432P24	SP6	3	3024286	3024353	3.02	1.00E-07	CNTN4
CL375599	RP44_471L8	SP6	3	3125733	3125895	3.13	3.00E-26	IL5RA
CL341892	RP44_261G2	SP6	3	3291205	3291320	3.29	1.00E-12	LOC344842
CL373393	RP44_308L19	T7	3	3368016	3368373	3.37	3.00E-72	LOC344844
CL345885	RP44_269G20	T7	3	3453751	3453848	3.45	3.00E-11	LOC344844
CL345959	RP44_269G20	SP6	3	3579692	3579762	3.58	4.00E-07	LOC344845
CL347499	RP44_272D21	SP6	3	3777390	3777658	3.78	2.00E-17	LOC344848
CL357020	RP44_412B13	T7	3	3830858	3831071	3.83	6.00E-15	LOC351533
CL343851	RP44_277K10	SP6	3	3878834	3879470	3.88	0	KIAA1497
CL343865	RP44_277M18	SP6	3	3878834	3879492	3.88	0	KIAA1497
CL343774	RP44_277K10	T7	3	4087492	4088158	4.09	2.00E-74	LOC344850
CL343788	RP44_277M18	T7	3	4087492	4088181	4.09	2.00E-74	LOC344850
CL374574	RP44_470A14	SP6	3	4131280	4131394	4.13	8.00E-17	LOC344850
CL358510	RP44_414B10	SP6	3	4545970	4546068	4.55	8.00E-08	ITPR1
CL359075	RP44_335N3	SP6	3	4549474	4550153	4.55	e-123	ITPR1
CL340835	RP44_258L1	SP6	3	4549502	4550052	4.55	1.00E-49	ITPR1
CL378037	RP44_422F6	SP6	3	4805886	4806156	4.81	1.00E-07	ITPR1
CL353940	RP44_405K1	T7	3	4849254	4849326	4.85	1.00E-15	ITPR1
CL382871	RP44_325I4	T7	3	5085012	5085045	5.09	1.00E-06	NA
CL342637	RP44_262P13	T7	3	5578785	5578821	5.58	6.00E-06	NA
CL363337	RP44_383D5	SP6	3	5590369	5590594	5.59	4.00E-40	NA
CL356161	RP44_410H22	SP6	3	5615740	5615778	5.62	4.00E-07	NA
CL327919	RP44_246D16	T7	3	5751007	5751531	5.75	9.00E-39	NA
CL329957	CH242_3K21	SP6	3	5927650	5927797	5.93	9.00E-08	LOC351541
CL336325	RP44_263K7	T7	3	6114421	6114571	6.11	8.00E-36	LOC351542
CL329873	CH242_3K21	T7	3	6131168	6131380	6.13	5.00E-28	NA
CL377942	RP44_422N13	SP6	3	6407442	6407904	6.41	2.00E-74	NA
CL325165	RP44_479B5	SP6	3	6865625	6865906	6.87	6.00E-11	NA
CL345340	RP44_280M13	SP6	3	6902538	6902723	6.90	8.00E-21	GRM7
CL335867	RP44_254F12	T7	3	6953687	6953779	6.95	2.00E-08	GRM7
CL385442	RP44_330H20	T7	3	6954434	6954874	6.95	5.00E-78	GRM7
CL387149	RP44_280P24	SP6	3	7347466	7347898	7.35	5.00E-07	GRM7
CL348319	RP44_274L1	T7	3	7380521	7380751	7.38	6.00E-43	GRM7
CL388791	RP44_285C16	SP6	3	7717042	7717470	7.72	5.00E-16	GRM7
CL384045	RP44_327L20	SP6	3	7761114	7761174	7.76	7.00E-06	GRM7
CL364274	RP44_396I2	T7	3	8130813	8130885	8.13	4.00E-07	LOC351544
CL367316	RP44_367E14	T7	3	8292394	8292732	8.29	2.00E-06	NA
CL348225	RP44_274G21	SP6	3	8398928	8399021	8.40	4.00E-21	NA
CL356790	RP44_412O15	T7	3	8537262	8537592	8.54	5.00E-34	LMCD1
CL340143	RP44_257E11	T7	3	8537466	8537852	8.54	2.00E-57	LMCD1
CL343495	RP44_276D4	SP6	3	8556733	8556814	8.56	4.00E-16	LMCD1
CL356007	RP44_410J23	SP6	3	8556746	8556814	8.56	9.00E-11	LMCD1
CL356963	RP44_412C14	SP6	3	8681411	8681563	8.68	4.00E-23	LOC51066
CL374620	RP44_470I22	SP6	3	8803587	8803887	8.80	2.00E-30	NA
CL353051	RP44_402C4	T7	3	8980696	8981038	8.98	2.00E-92	RAD18
CL345339	RP44_280M11	SP6	3	9457979	9458064	9.46	6.00E-28	FLJ10707
CL384077	RP44_328D5	T7	3	9457979	9458110	9.46	3.00E-32	FLJ10707
CL362405	RP44_377M10	T7	3	10596437	10596466	10.60	2.00E-06	ATP2B2
CL332274	CH242_10I22	SP6	3	10890980	10891096	10.89	1.00E-06	SLC6A11
CL334317	RP44_251M22	T7	3	11008477	11008505	11.01	6.00E-06	NA
CL320816	CH242_13B23	SP6	3	11331979	11332102	11.33	4.00E-13	GSA7
CL344637	RP44_278L22	SP6	3	11410540	11410677	11.41	6.00E-18	GSA7
CL344672	RP44_279C13	T7	3	11425539	11425678	11.43	5.00E-13	GSA7

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CL361836	RP44_351N9	SP6	3	11557296	11557433	11.56	1.00E-61	GSA7
CL344747	RP44_279C13	SP6	3	11601892	11601980	11.60	3.00E-14	KIAA0121
CL351038	RP44_311L18	T7	3	12014313	12014574	12.01	1.00E-59	NA
CL352728	RP44_401B4	T7	3	12084959	12085092	12.09	1.00E-11	SYN2
CL330292	CH242_3L7	SP6	3	12173077	12173176	12.17	5.00E-10	SYN2
CL332589	CH242_12E13	SP6	3	12334946	12335017	12.33	4.00E-10	PPARG
CL376254	RP44_443J7	SP6	3	12350168	12350315	12.35	9.00E-48	PPARG
CL346108	RP44_269H13	SP6	3	12389743	12389935	12.39	4.00E-15	PPARG
CL357964	RP44_413N10	SP6	3	12416982	12417158	12.42	2.00E-08	PPARG
CL353170	RP44_402K18	SP6	3	12529841	12529909	12.53	1.00E-06	MGC2776
CL357878	RP44_413N10	T7	3	12605494	12605766	12.61	1.00E-65	MKRN2
CL348753	RP44_275C16	T7	3	12619913	12619960	12.62	1.00E-07	RAF1
CL365545	RP44_354A19	T7	3	12662577	12662765	12.66	2.00E-17	RAF1
CL383010	RP44_325D23	T7	3	13315454	13315487	13.32	2.00E-06	NA
CL413739	RP44_435M3	T7	3	13704961	13705137	13.71	5.00E-37	LOC285375
CL335742	RP44_254K1	T7	3	14233385	14233446	14.23	1.00E-06	LOC285378
CL373921	RP44_469C18	SP6	3	14555684	14555843	14.56	5.00E-18	KIAA1719
CL409378	RP44_417A4	T7	3	14703286	14703453	14.70	3.00E-29	LOC51244
CL344712	RP44_279K15	T7	3	14985985	14986041	14.99	7.00E-06	NR2C2
CL378661	RP44_424D2	SP6	3	15071466	15071513	15.07	3.00E-17	NR2C2
CL382281	RP44_323P12	T7	3	15151761	15152011	15.15	1.00E-22	NA
CL376715	RP44_445D3	T7	3	15214622	15215031	15.21	5.00E-12	LOC344875
CL332263	CH242_10G24	SP6	3	15285512	15285826	15.29	4.00E-10	CAPN7
CL348744	RP44_275A22	T7	3	15475491	15475938	15.48	2.00E-43	EF1
CL348992	RP44_275P13	T7	3	15630684	15633867	15.63	4.00E-07	HPCL2
CL339773	RP44_256E3	SP6	3	15701225	15701345	15.70	4.00E-25	KIAA0379
CL366013	RP44_356N16	SP6	3	17071163	17071443	17.07	3.00E-14	PLCL2
CL354439	RP44_406P13	SP6	3	17077067	17077255	17.08	5.00E-09	PLCL2
CL356013	RP44_410L13	SP6	3	17213290	17213407	17.21	2.00E-11	TBC1D5
CL379454	RP44_426P5	SP6	3	17215070	17215146	17.22	6.00E-18	TBC1D5
CL347500	RP44_272D23	SP6	3	17247240	17247294	17.25	6.00E-08	TBC1D5
CL354393	RP44_406P13	T7	3	17371405	17371578	17.37	4.00E-06	TBC1D5
CL355314	RP44_409D15	T7	3	17371839	17372148	17.37	9.00E-27	TBC1D5
CL355155	RP44_409C12	T7	3	17371839	17372166	17.37	1.00E-25	TBC1D5
CL387127	RP44_280N2	SP6	3	17371949	17372569	17.37	e-152	TBC1D5
CL389254	RP44_286E14	SP6	3	17502203	17502320	17.50	2.00E-06	NA
CL324037	RP44_463H23	T7	3	17559472	17559779	17.56	e-132	NA
CL374002	RP44_469D17	T7	3	17559869	17560413	17.56	6.00E-12	NA
CL331381	CH242_7J23	T7	3	17727072	17727124	17.73	6.00E-06	NA
CL409008	RP44_416N19	SP6	3	17752393	17752986	17.75	0	NA
CL321104	CH242_15K22	SP6	3	17799918	17799957	17.80	9.00E-08	NA
CL327103	RP44_245K17	T7	3	17912374	17912791	17.91	e-162	LOC339862
CL331447	CH242_7J23	SP6	3	17945183	17945528	17.95	3.00E-44	LOC339862
CL374160	RP44_469B22	T7	3	18002324	18002933	18.00	e-151	LOC339862
CL324471	RP44_474P4	SP6	3	18002330	18002939	18.00	e-148	LOC339862
CL382218	RP44_323D12	T7	3	18102717	18103070	18.10	3.00E-29	LOC339862
CL389234	RP44_286A16	SP6	3	18322399	18322848	18.32	2.00E-08	NA
CL354997	RP44_408N23	SP6	3	18364544	18364585	18.36	1.00E-06	NA
CL363823	RP44_392I16	T7	3	18447601	18447780	18.45	2.00E-07	NA
CL322137	RP44_399P19	SP6	3	18459745	18459825	18.46	2.00E-11	NA
CL354914	RP44_408N23	T7	3	18502053	18502088	18.50	8.00E-08	NA
CL372382	RP44_305D10	T7	3	18502482	18502723	18.50	3.00E-29	NA
CL389158	RP44_286A16	T7	3	18516707	18516776	18.52	2.00E-11	NA
CL331451	CH242_7L11	SP6	3	18527563	18527900	18.53	7.00E-27	NA
CL322136	RP44_399P19	T7	3	18673034	18673669	18.67	2.00E-18	NA
CL372467	RP44_305D10	SP6	3	18683965	18684185	18.68	9.00E-08	NA
CL324019	RP44_463D23	T7	3	18686955	18687369	18.69	2.00E-94	NA
CL374967	RP44_470P12	SP6	3	18786158	18786436	18.79	4.00E-19	NA
CL338739	RP44_267E15	SP6	3	18790158	18790271	18.79	3.00E-11	NA
CL323175	RP44_457N7	SP6	3	18802704	18802807	18.80	2.00E-29	NA
CL336825	RP44_263D7	SP6	3	18935108	18935620	18.94	e-155	LOC344640
CL374894	RP44_470P12	T7	3	19002175	19002560	19.00	2.00E-36	LOC344640
CL368516	RP44_289A8	T7	3	19248407	19248579	19.24	2.00E-06	FLJ25449
CL370061	RP44_293G22	SP6	3	19330340	19330432	19.33	5.00E-37	KCNH8
CL388512	RP44_284J4	SP6	3	19330348	19330432	19.33	1.00E-32	KCNH8

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CL334043	RP44_250H4	SP6	3	20039439	20039971	20.04	9.00E-85	PCAF
CL411717	RP44_429J17	SP6	3	20230956	20231440	20.23	1.00E-15	NA
CL325782	RP44_242I21	SP6	3	20296461	20296554	20.30	5.00E-09	NA
CL376040	RP44_443E13	T7	3	20329426	20329681	20.33	5.00E-30	NA
CL373452	RP44_308H23	SP6	3	20541158	20541799	20.54	1.00E-07	LOC351413
CL335356	RP44_253A10	SP6	3	20633295	20633613	20.63	2.00E-21	LOC351414
CL371738	RP44_304B17	T7	3	20782169	20782205	20.78	3.00E-08	LOC131404
CL344848	RP44_279G16	T7	3	20796122	20796366	20.80	4.00E-22	LOC131404
CL335287	RP44_253A10	T7	3	20801231	20801473	20.80	7.00E-14	LOC131404
CL344929	RP44_279G16	SP6	3	21009945	21010025	21.01	6.00E-09	NA
CL352295	RP44_314E4	T7	3	21288908	21289397	21.29	7.00E-21	NA
CL352274	RP44_314A4	T7	3	21288915	21289397	21.29	1.00E-16	NA
CL348793	RP44_275K10	T7	3	21440995	21441165	21.44	1.00E-28	FLJ22419
CL329608	RP44_394L15	T7	3	21471965	21472300	21.47	8.00E-07	FLJ22419
CL363771	RP44_389J13	T7	3	21612006	21612226	21.61	4.00E-06	FLJ22419
CL387656	RP44_282G7	T7	3	21659020	21659107	21.66	3.00E-10	NA
CL387342	RP44_281I10	T7	3	21690118	36819975	29.26	5.00E-06	LOC351415
CL331259	CH242_7A22	SP6	3	21763776	21763848	21.76	7.00E-06	LOC351416
CL344555	RP44_278L18	T7	3	22779618	22780027	22.78	2.00E-06	NA
CL373640	RP44_457P14	T7	3	22802685	22802753	22.80	8.00E-11	NA
CL345038	RP44_279P1	T7	3	22863392	22864162	22.86	1.00E-12	NA
CL344635	RP44_278L18	SP6	3	22954224	22954449	22.95	3.00E-17	LOC351417
CL344644	RP44_278N18	SP6	3	22954224	22954449	22.95	4.00E-17	LOC351417
CL323264	RP44_457P14	SP6	3	22966986	22967167	22.97	4.00E-40	LOC351417
CL374985	RP44_471C1	T7	3	23004891	23004957	23.00	7.00E-12	NA
CL383334	RP44_326A12	T7	3	23009890	23010408	23.01	3.00E-07	NA
CL347249	RP44_272C6	T7	3	23220726	23220921	23.22	2.00E-39	FLJ25157
CL367909	RP44_374L19	T7	3	23221226	23221561	23.22	7.00E-27	FLJ25157
CL349366	RP44_309E23	SP6	3	23315739	23316033	23.32	1.00E-16	FLJ25157
CL365663	RP44_355B7	T7	3	23341028	23341239	23.34	1.00E-58	FLJ25157
CL347335	RP44_272C6	SP6	3	23381322	23381402	23.38	8.00E-08	FLJ25157
CL365735	RP44_355B7	SP6	3	23504193	23504531	23.50	2.00E-44	NA
CL364709	RP44_398P1	T7	3	23842964	23843000	23.84	6.00E-06	NR1D2
CL383481	RP44_326O24	SP6	3	23933862	23934274	23.93	e-142	NA
CL330332	CH242_3D10	T7	3	24372388	24372841	24.37	3.00E-75	THRB
CL333007	CH242_12H20	SP6	3	24480008	24480342	24.48	2.00E-30	NA
CL386374	RP44_333B24	SP6	3	24500147	24500647	24.50	1.00E-75	LOC351419
CL361621	RP44_351A23	SP6	3	24569867	24570075	24.57	9.00E-61	NA
CL361537	RP44_351A23	T7	3	24569867	24570374	24.57	9.00E-61	NA
CL372885	RP44_307C18	T7	3	24838221	24838644	24.84	5.00E-06	NA
CL362692	RP44_380L11	T7	3	24903464	24903591	24.90	3.00E-16	LOC344649
CL362762	RP44_380L11	SP6	3	25044059	25044140	25.04	7.00E-09	LOC351420
CL323313	RP44_458C21	T7	3	25146690	25147054	25.15	8.00E-55	LOC285325
CL349376	RP44_309I1	SP6	3	25242945	25243038	25.24	6.00E-09	LOC344650
CL342121	RP44_261J8	T7	3	25650727	25650951	25.65	3.00E-44	NGLY1
CL353863	RP44_403H22	SP6	3	25799430	25799483	25.80	2.00E-06	NA
CL366527	RP44_362C10	SP6	3	25879842	25880155	25.88	9.00E-30	NA
CL412826	RP44_431D11	SP6	3	25879842	25880155	25.88	2.00E-27	NA
CL411194	RP44_420J21	T7	3	26119812	26119881	26.12	1.00E-06	LOC348782
CL364124	RP44_396K23	T7	3	26249569	26249703	26.25	5.00E-15	LOC152101
CL371831	RP44_304D11	SP6	3	26525738	26526087	26.53	8.00E-21	LRP15
CL380652	RP44_429M8	SP6	3	26551117	26551358	26.55	4.00E-19	LRP15
CL341645	RP44_261E17	T7	3	26999810	26999853	27.00	1.00E-07	NA
CL344426	RP44_278B19	SP6	3	27328676	27328826	27.33	1.00E-16	SLC4A7
CL345503	RP44_280I22	T7	3	27427938	27428015	27.43	2.00E-11	NA
CL367735	RP44_372M21	SP6	3	27483427	27484718	27.48	4.00E-10	NA
CL369756	RP44_292K2	SP6	3	27540037	27540225	27.54	3.00E-32	NA
CL353756	RP44_403N5	SP6	3	27617924	27618025	27.62	3.00E-16	LOC344780
CL337892	RP44_265M10	T7	3	27826860	27827000	27.83	1.00E-32	LOC344781
CL367447	RP44_367O22	SP6	3	28015077	28015120	28.02	2.00E-12	NA
CL379281	RP44_426G16	SP6	3	28035675	28036002	28.04	1.00E-34	NA
CL335788	RP44_254C17	SP6	3	28090078	28090242	28.09	4.00E-28	NA
CL322489	RP44_405D5	SP6	3	28187537	28187794	28.19	2.00E-81	LOC152100
CL353625	RP44_403K16	SP6	3	28416331	28416396	28.42	1.00E-06	LOC152098
CL440153	RP44_299F10	SP6	3	28482001	28482063	28.48	9.00E-10	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL378114	RP44_423I8	T7	3	28753490	28753583	28.75	2.00E-11	NA
CL378623	RP44_424H16	T7	3	28809868	28810468	28.81	3.00E-36	NA
CL339674	RP44_255P22	SP6	3	29099246	29099530	29.10	4.00E-10	LOC351426
CL345847	RP44_280N4	T7	3	29105177	29105592	29.11	3.00E-17	LOC351426
CL340034	RP44_256N14	T7	3	29114850	29115047	29.11	7.00E-06	NA
CL365095	RP44_400F19	T7	3	29118670	29119290	29.12	5.00E-31	NA
CL329205	RP44_382N20	SP6	3	29209365	29209507	29.21	5.00E-31	RBMS3
CL339597	RP44_255P22	T7	3	29235715	29235936	29.24	2.00E-67	RBMS3
CL338540	RP44_266O6	T7	3	29236365	29236666	29.24	6.00E-40	RBMS3
CL373685	RP44_469G17	T7	3	29325577	29326086	29.33	4.00E-50	RBMS3
CL337045	RP44_263P12	SP6	3	29403256	29403301	29.40	3.00E-07	RBMS3
CL327288	RP44_245G4	SP6	3	29455918	29455965	29.46	8.00E-08	RBMS3
CL372340	RP44_305J21	SP6	3	29733103	29733284	29.73	5.00E-37	RBMS3
CL376673	RP44_445I15	SP6	3	29835436	29835639	29.84	2.00E-91	RBMS3
CL363253	RP44_383O8	SP6	3	30435709	30436291	30.44	2.00E-34	LOC344784
CL363859	RP44_392C8	SP6	3	30717608	30717714	30.72	1.00E-09	LOC339896
CL320921	CH242_15E17	SP6	3	31362555	31362659	31.36	6.00E-11	NA
CL380374	RP44_429I19	T7	3	31366270	31366572	31.37	1.00E-22	NA
CL345901	RP44_269K10	T7	3	31397031	31397248	31.40	1.00E-30	NA
CL380815	RP44_314E12	SP6	3	31511767	31511965	31.51	2.00E-76	SIMP
CL321830	CH242_15E17	T7	3	31524616	31525334	31.52	e-143	SIMP
CL382305	RP44_323F6	SP6	3	31829288	31829744	31.83	e-102	OSBPL10
CL334274	RP44_251E8	T7	3	32056474	32056792	32.06	1.00E-13	KIAA0089
CL365504	RP44_353J22	SP6	3	32125393	32125449	32.13	2.00E-08	LOC285259
CL374822	RP44_470P19	SP6	3	32242402	32242586	32.24	1.00E-15	CKLFSF8
CL320203	CH242_20I3	T7	3	32258343	32258387	32.26	7.00E-11	CKLFSF8
CL350112	RP44_310O8	T7	3	32339011	32339269	32.34	9.00E-64	CKLFSF7
CL320289	CH242_2J21	T7	3	32372607	32372880	32.37	2.00E-21	CKLFSF6
CL386629	RP44_334P5	T7	3	32504085	32504198	32.50	7.00E-08	NA
CL327302	RP44_245I14	SP6	3	32725992	32726037	32.73	1.00E-06	LOC131405
CL387904	RP44_283K3	SP6	3	33904783	33904860	33.90	1.00E-09	NA
CL336249	RP44_255F15	SP6	3	33956616	33956989	33.96	e-130	LOC344733
CL332145	CH242_10C14	T7	3	34073502	34073558	34.07	3.00E-08	LOC285307
CL376793	RP44_445B11	SP6	3	34882387	34882851	34.88	3.00E-78	LOC351430
CL376229	RP44_443D17	SP6	3	35430206	35430339	35.43	6.00E-12	NA
CL358607	RP44_415E11	T7	3	35531630	35531810	35.53	8.00E-24	ARPP-21
CL365153	RP44_400B7	SP6	3	35594173	35594248	35.59	1.00E-10	ARPP-21
CL359875	RP44_338E19	SP6	3	35600427	35601119	35.60	e-109	ARPP-21
CL357094	RP44_412P13	T7	3	35638183	35638241	35.64	3.00E-07	ARPP-21
CL414334	RP44_436F1	T7	3	35671147	35671450	35.67	e-104	ARPP-21
CL357176	RP44_412P13	SP6	3	35821675	35821779	35.82	4.00E-13	NA
CL357728	RP44_413P15	T7	3	36183902	36183932	36.18	4.00E-07	NA
CL348648	RP44_275O1	T7	3	36358606	36358739	36.36	2.00E-11	STAC
CL357807	RP44_413P15	SP6	3	36461616	36462153	36.46	e-152	NA
CL357768	RP44_413H15	SP6	3	36461674	36462093	36.46	e-130	NA
CL349389	RP44_309K5	SP6	3	36705769	36706415	36.71	9.00E-61	KIAA0342
CL376796	RP44_445B17	SP6	3	36715679	36715937	36.72	1.00E-47	NA
CL344763	RP44_279G3	SP6	3	36961147	36961286	36.96	2.00E-13	LRRFIP2
CL330159	CH242_3B17	T7	3	37209077	37209192	37.21	6.00E-46	GOLGA4
CL345907	RP44_269M2	T7	3	37457180	37457227	37.46	2.00E-12	ITGA9
CL320652	CH242_13A15	SP6	3	37535028	37535580	37.54	8.00E-15	ITGA9
CL345981	RP44_269M2	SP6	3	37622780	37623285	37.62	2.00E-09	ITGA9
CL347622	RP44_272B22	SP6	3	37680131	37680285	37.68	1.00E-12	NA
CL347155	RP44_272O7	T7	3	37728412	37728591	37.73	1.00E-22	C3orf8
CL390061	RP44_287P8	SP6	3	37728412	37728604	37.73	2.00E-36	C3orf8
CL353927	RP44_405G5	T7	3	37739481	37739622	37.74	2.00E-29	C3orf8
CL336572	RP44_263O23	SP6	3	37740442	37740780	37.74	1.00E-06	C3orf8
CL378838	RP44_425G23	SP6	3	37779331	37779566	37.78	1.00E-43	C3orf8
CL389987	RP44_287P8	T7	3	37791104	37791380	37.79	3.00E-56	C3orf8
CL351730	RP44_313A24	SP6	3	37806648	37807450	37.81	2.00E-14	C3orf8
CL335278	RP44_253O9	SP6	3	37838172	37838401	37.84	8.00E-29	C3orf8
CL335556	RP44_253P9	SP6	3	37838222	37838385	37.84	6.00E-10	C3orf8
CL382995	RP44_325B15	T7	3	38108184	38108804	38.11	e-106	OSR1
CL411444	RP44_421J14	SP6	3	38354205	38354270	38.35	2.00E-11	ENDOGL1
CL352079	RP44_313F20	SP6	3	38442213	38594430	38.52	5.00E-19	SCN10A

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL372004	RP44_304D24	SP6	3	38460752	38763869	38.61	5.00E-40	SCN11A
CL351995	RP44_313F20	T7	3	38483200	38483386	38.48	1.00E-28	SCN5A
CL352110	RP44_313L20	SP6	3	38603102	38603887	38.60	1.00E-10	SCN10A
CL323471	RP44_458E22	T7	3	38633531	38633605	38.63	2.00E-11	SCN10A
CL329023	RP44_382L11	SP6	3	38661378	38661513	38.66	5.00E-18	NA
CL371920	RP44_304D24	T7	3	38836998	38837196	38.84	1.00E-14	LOC351446
CL368527	RP44_289C12	T7	3	38929436	38929588	38.93	4.00E-56	KIAA1449
CL363112	RP44_383A14	T7	3	39369448	39369598	39.37	3.00E-10	MOBP
CL343628	RP44_277M11	T7	3	40083678	40083768	40.08	1.00E-09	MYRIP
CL389848	RP44_287A22	SP6	3	40907746	40907829	40.91	4.00E-07	LOC344685
CL358836	RP44_415A16	SP6	3	41702457	41702581	41.70	5.00E-06	FLJ20574
CL343272	RP44_276H9	T7	3	41905865	41905975	41.91	2.00E-21	LOC351450
CL353823	RP44_403N16	T7	3	41905865	41905975	41.91	2.00E-21	LOC351450
CL358754	RP44_415A16	T7	3	41930670	41930879	41.93	3.00E-31	NA
CL358592	RP44_415A17	T7	3	41930670	41930879	41.93	4.00E-31	NA
CL342885	RP44_275N12	SP6	3	41935896	41936531	41.94	1.00E-19	NA
CL343395	RP44_276P5	SP6	3	41944929	41945317	41.95	4.00E-81	LOC351451
CL361421	RP44_350F4	T7	3	42356245	42356323	42.36	4.00E-07	VIPR1
CL409691	RP44_417H16	T7	3	42371240	42371478	42.37	1.00E-25	VIPR1
CL379859	RP44_428I14	T7	3	42398274	42398322	42.40	4.00E-06	VIPR1
CL352742	RP44_401D8	T7	3	42774882	42775217	42.78	1.00E-28	LOC131880
CL352824	RP44_401D8	SP6	3	42960344	42960436	42.96	2.00E-06	NA
CL337625	RP44_264H20	SP6	3	43185285	43185447	43.19	5.00E-16	SNRK
CL336686	RP44_263G6	SP6	3	43275287	43275418	43.28	1.00E-19	FLJ10375
CL439928	RP44_297N12	SP6	3	43562403	43562624	43.56	9.00E-08	CGI-58
CL342435	RP44_262G22	T7	3	43737501	43737573	43.74	1.00E-13	LOC344816
CL386423	RP44_333L24	SP6	3	43821536	43821601	43.82	1.00E-06	LOC344816
CL351080	RP44_311D22	SP6	3	43868711	43868837	43.87	1.00E-16	NA
CL408409	RP44_415E2	SP6	3	44115902	44115991	44.12	2.00E-15	NA
CL363560	RP44_388H12	T7	3	44832147	44832294	44.83	1.00E-15	ZDHC3
CL331330	CH242_7O12	SP6	3	44896746	44896794	44.90	6.00E-06	TNA
CL414126	RP44_436G13	T7	3	44973107	44973182	44.97	8.00E-14	CDCP1
CL363631	RP44_388H12	SP6	3	45008736	45009099	45.01	3.00E-08	NA
CL414158	RP44_436A4	T7	3	45008914	45009099	45.01	2.00E-08	NA
CL371520	RP44_302D22	SP6	3	45016017	45016083	45.02	5.00E-12	NA
CL349606	RP44_309H3	T7	3	45113034	45113100	45.11	4.00E-10	NA
CL371864	RP44_304J15	SP6	3	45202063	45202131	45.20	6.00E-06	NA
CL357518	RP44_413E24	T7	3	45282299	45282385	45.28	3.00E-14	LARS2
CL374875	RP44_470J24	T7	3	45356884	45357056	45.36	6.00E-44	LARS2
CL374856	RP44_470F24	T7	3	45356884	45357086	45.36	1.00E-48	LARS2
CL323327	RP44_458E17	T7	3	45376814	45377017	45.38	5.00E-46	LARS2
CL368860	RP44_289F16	T7	3	45501505	45501544	45.50	4.00E-10	LIMD1
CL345922	RP44_269O12	T7	3	45643973	45644040	45.64	4.00E-06	XT3
CL353125	RP44_402A16	SP6	3	45706916	45707117	45.71	4.00E-10	LZTFL1
CL327294	RP44_245G20	SP6	3	45729797	45729972	45.73	1.00E-06	LZTFL1
CL345997	RP44_269O12	SP6	3	45834329	45835262	45.83	9.00E-17	FYCO1
CL347486	RP44_272B7	SP6	3	46219132	46234968	46.23	2.00E-43	CCR5
CL355356	RP44_409L17	T7	3	46343008	46343037	46.34	2.00E-06	NA
CL347409	RP44_272B7	T7	3	46470719	46471017	46.47	1.00E-10	NA
CL373142	RP44_307J21	SP6	3	46611981	46612442	46.61	2.00E-08	TSP50
CL386996	RP44_335C18	T7	3	46774165	46774210	46.77	7.00E-07	NA
CL386596	RP44_334H13	T7	3	46964000	46964178	46.96	3.00E-38	HYPB
CL371471	RP44_302H18	T7	3	47134993	47135195	47.14	1.00E-13	KIF9
CL323667	RP44_458J4	SP6	3	47174641	47175123	47.17	5.00E-06	KIAA0795
CL352184	RP44_314M1	T7	3	47245199	47246025	47.25	1.00E-28	PTPN23
CL344464	RP44_278J9	SP6	3	47295830	47295876	47.30	1.00E-07	SCAP
CL365594	RP44_354M21	T7	3	47472856	47472910	47.47	1.00E-09	SMARCC1
CL359566	RP44_337K21	T7	3	47514502	47514964	47.51	7.00E-09	SMARCC1
CL351525	RP44_313K11	T7	3	47538917	47539064	47.54	3.00E-51	SMARCC1
CL351536	RP44_313M11	T7	3	47538917	47539064	47.54	1.00E-41	SMARCC1
CL389440	RP44_286N7	SP6	3	47932288	47933391	47.93	2.00E-14	MAP4
CL385440	RP44_330H16	T7	3	48056937	48057240	48.06	4.00E-13	NA
CL342177	RP44_261F4	SP6	3	48155140	48155553	48.16	2.00E-55	NME6
CL344268	RP44_278C10	SP6	3	48836408	48836507	48.84	7.00E-15	ARIH2
CL372414	RP44_305J8	T7	3	48921087	48921638	48.92	2.00E-61	FLJ20259

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL333645	RP44_250O3	SP6	3	48938218	48938428	48.94	3.00E-88	FLJ20259
CL320624	CH242_10P12	T7	3	49178486	49178577	49.18	9.00E-20	USP4
CL321733	CH242_13D19	T7	3	49292933	49293090	49.29	2.00E-15	ARHA
CL378285	RP44_423D18	SP6	3	49300295	49301367	49.30	1.00E-22	ARHA
CL324078	RP44_463B4	T7	3	49375985	49376215	49.38	4.00E-09	DAG1
CL378218	RP44_423D18	T7	3	49402260	49402645	49.40	e-119	DAG1
CL378103	RP44_423E18	T7	3	49402398	49402634	49.40	5.00E-75	DAG1
CL338773	RP44_267M5	SP6	3	49422130	49422418	49.42	1.00E-28	DAG1
CL387860	RP44_283A13	SP6	3	49690657	49690943	49.69	7.00E-76	NA
CL359476	RP44_336D10	SP6	3	49731127	49731257	49.73	1.00E-09	TRIP
CL377266	RP44_449L1	T7	3	49991814	49992073	49.99	e-102	RBM5
CL374028	RP44_469J5	T7	3	49996094	49996162	50.00	7.00E-30	RBM5
CL374115	RP44_469J5	SP6	3	50168120	50168370	50.17	1.00E-31	SEMA3B
CL332142	CH242_10C8	T7	3	50189255	50189620	50.19	3.00E-53	HYAL3
CL363763	RP44_389H19	T7	3	50346091	50346492	50.35	4.00E-62	CACNA2D2
CL324133	RP44_463J18	T7	3	50356572	50356622	50.36	2.00E-14	CACNA2D2
CL332235	CH242_10C8	SP6	3	50403791	50404216	50.40	2.00E-24	NA
CL324119	RP44_463H14	SP6	3	50413524	50413648	50.41	1.00E-23	NA
CL346756	RP44_271B1	T7	3	50528841	50528881	50.53	2.00E-06	MAPKAPK3
CL371858	RP44_304H21	SP6	3	51050824	51051146	51.05	1.00E-15	DOCK3
CL379598	RP44_426J12	SP6	3	51206156	51206286	51.21	1.00E-17	DOCK3
CL388731	RP44_285G2	T7	3	51206496	51207076	51.21	8.00E-33	DOCK3
CL369161	RP44_290A2	T7	3	51429258	51429368	51.43	9.00E-29	LOC351566
CL341603	RP44_260N12	SP6	3	51434779	51434906	51.43	2.00E-17	LOC351566
CL409946	RP44_418C2	T7	3	52276209	52276730	52.28	3.00E-35	XLHSRF-1
CL388726	RP44_285E16	T7	3	52309744	52309819	52.31	7.00E-15	PHF7
CL380203	RP44_428L6	T7	3	52311784	52312301	52.31	3.00E-47	PHF7
CL410030	RP44_418C2	SP6	3	52446569	52446777	52.45	7.00E-71	PB1
CL340049	RP44_256B4	SP6	3	52576371	52576451	52.58	4.00E-25	NS
CL325493	RP44_241F19	SP6	3	52596649	52597000	52.60	2.00E-21	SPC12
CL339976	RP44_256B4	T7	3	52756352	52756496	52.76	2.00E-06	ITIH4
CL378241	RP44_423J22	T7	3	52820907	52821186	52.82	e-110	SFMBT
CL380679	RP44_429B17	T7	3	52994559	52994672	52.99	2.00E-42	RFT1
CL382778	RP44_325E7	SP6	3	53212168	53212354	53.21	8.00E-08	HSA275986
CL355874	RP44_410B13	T7	3	53212958	53213394	53.21	e-129	HSA275986
CL370330	RP44_295K13	SP6	3	53437095	53437156	53.44	8.00E-07	CACNA1D
CL364367	RP44_396K22	SP6	3	53538736	53538870	53.54	2.00E-14	CACNA1D
CL387740	RP44_282I5	SP6	3	53665737	53665858	53.67	2.00E-23	CACNA1D
CL411965	RP44_430K4	T7	3	53767235	53767385	53.77	1.00E-46	ACTR8
CL378200	RP44_423O6	SP6	3	54136385	54136418	54.14	2.00E-06	CACNA2D3
CL385258	RP44_330O8	SP6	3	54905622	54905711	54.91	2.00E-09	CACNA2D3
CL350254	RP44_310L21	T7	3	55054261	55054739	55.05	e-108	LOC344916
CL385180	RP44_330O8	T7	3	55069966	55070044	55.07	7.00E-09	LOC344916
CL345295	RP44_280C9	T7	3	55177067	55177103	55.18	3.00E-08	LOC344917
CL345391	RP44_280C9	SP6	3	55338396	55338580	55.34	1.00E-13	NA
CL357258	RP44_412B10	SP6	3	55487618	55487925	55.49	9.00E-35	NA
CL366223	RP44_358N21	T7	3	55506736	55507293	55.51	3.00E-23	NA
CL349130	RP44_308F4	T7	3	55509774	55510355	55.51	1.00E-38	NA
CL412158	RP44_430P19	SP6	3	55510489	55510916	55.51	2.00E-18	NA
CL382082	RP44_323G18	SP6	3	55653065	55653134	55.65	3.00E-11	NA
CL366290	RP44_358N21	SP6	3	55669287	55669338	55.67	6.00E-06	NA
CL376584	RP44_445E15	T7	3	55728605	55728633	55.73	5.00E-06	CAST
CL335946	RP44_254F22	SP6	3	55743437	55743634	55.74	8.00E-46	CAST
CL381997	RP44_323G18	T7	3	55792710	55793416	55.79	e-109	CAST
CL375825	RP44_441E9	T7	3	55822627	55823108	55.82	2.00E-54	CAST
CL341951	RP44_261B19	T7	3	55863716	55864304	55.86	1.00E-56	CAST
CL380576	RP44_429O6	T7	3	55899248	55899466	55.90	9.00E-67	CAST
CL335872	RP44_254F22	T7	3	55932302	55932374	55.93	6.00E-09	CAST
CL414419	RP44_436F5	SP6	3	55949802	55950331	55.95	e-106	CAST
CL324614	RP44_476C10	SP6	3	55949834	55949994	55.95	6.00E-53	CAST
CL329241	RP44_386B20	T7	3	56038621	56038703	56.04	9.00E-06	NA
CL356304	RP44_411G17	SP6	3	56137468	56137950	56.14	e-111	NA
CL356333	RP44_411O7	SP6	3	56137468	56137990	56.14	e-124	NA
CL375096	RP44_471G9	SP6	3	56222631	56222745	56.22	3.00E-10	LOC344690
CL385189	RP44_330A4	SP6	3	56262302	56262342	56.26	6.00E-06	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL353938	RP44_405I21	T7	3	56346223	56346270	56.35	2.00E-08	NA
CL414060	RP44_435B10	SP6	3	56347827	56347911	56.35	5.00E-06	NA
CL413761	RP44_435A9	SP6	3	56347827	56348133	56.35	2.00E-09	NA
CL339514	RP44_255P19	SP6	3	56366671	56366964	56.37	1.00E-61	NA
CL385114	RP44_330A4	T7	3	56381888	56382162	56.38	1.00E-13	NA
CL368450	RP44_289C21	SP6	3	56382921	56382989	56.38	6.00E-06	NA
CL409662	RP44_417B2	T7	3	56383657	56383798	56.38	2.00E-06	NA
CL324315	RP44_474M2	SP6	3	56504912	56504971	56.50	2.00E-12	LOC285331
CL413818	RP44_435A10	T7	3	56537664	56537949	56.54	2.00E-33	RAP140
CL414009	RP44_435B10	T7	3	56537664	56537949	56.54	2.00E-33	RAP140
CL335201	RP44_253K21	T7	3	56728058	56728128	56.73	1.00E-09	ARHGEF3
CL379133	RP44_426E1	SP6	3	56896363	56896931	56.90	4.00E-23	ARHGEF3
CL409379	RP44_417A6	T7	3	56896393	56896931	56.90	3.00E-23	ARHGEF3
CL326484	RP44_243B16	T7	3	56962555	56962646	56.96	8.00E-13	ARHGEF3
CL370224	RP44_294P9	SP6	3	57098700	57099007	57.10	1.00E-09	NA
CL411634	RP44_422O12	SP6	3	57126343	57126438	57.13	7.00E-35	APPL
CL411858	RP44_430I3	SP6	3	57140467	57140640	57.14	6.00E-09	APPL
CL353037	RP44_402O9	SP6	3	57161929	57162135	57.16	2.00E-43	ASB14
CL349581	RP44_309B11	T7	3	57185727	57186021	57.19	1.00E-71	LOC201625
CL411788	RP44_430I3	T7	3	57269146	57269260	57.27	3.00E-17	NA
CL341768	RP44_261O11	SP6	3	57469231	57469535	57.47	1.00E-39	FLJ34969
CL337401	RP44_264H21	T7	3	57486301	57486954	57.49	2.00E-24	FLJ34969
CL320725	CH242_13G23	SP6	3	57506523	57506862	57.51	1.00E-75	FLJ34969
CL367800	RP44_372N23	T7	3	57658364	57658495	57.66	1.00E-31	SLMAP
CL372802	RP44_306D8	SP6	3	57713609	57714180	57.71	6.00E-09	SLMAP
CL320724	CH242_13G23	T7	3	57734333	57734688	57.73	2.00E-70	SLMAP
CL408427	RP44_415G20	SP6	3	57752949	57753002	57.75	2.00E-11	SLMAP
CL371094	RP44_301G23	SP6	3	57752949	57753007	57.75	2.00E-14	SLMAP
CL344531	RP44_278H8	T7	3	57920134	57920295	57.92	3.00E-10	FLNB
CL349491	RP44_309O6	T7	3	57921821	57921872	57.92	3.00E-10	FLNB
CL383645	RP44_327E17	T7	3	58237741	58238318	58.24	1.00E-43	FLJ20335
CL364125	RP44_396M1	T7	3	58548058	58548447	58.55	9.00E-32	LOC344798
CL439617	RP44_296M3	SP6	3	58593085	58593303	58.59	1.00E-61	LOC131175
CL377072	RP44_449E8	T7	3	58610255	58610489	58.61	5.00E-21	LOC131175
CL342393	RP44_262O23	SP6	3	58948978	58949365	58.95	1.00E-07	NA
CL339220	RP44_268H13	T7	3	59104698	59104813	59.10	2.00E-06	LOC339901
CL339589	RP44_255P4	T7	3	59179846	59180002	59.18	6.00E-15	NA
CL372348	RP44_305L19	SP6	3	59219635	59219890	59.22	4.00E-43	NA
CL339666	RP44_255P4	SP6	3	59422285	59422740	59.42	e-132	NA
CL355095	RP44_409E3	SP6	3	59597911	59598203	59.60	2.00E-63	NA
CL327111	RP44_245M13	T7	3	59667599	59667654	59.67	9.00E-08	NA
CL385107	RP44_330O3	SP6	3	59668712	59669043	59.67	3.00E-45	NA
CL327186	RP44_245M13	SP6	3	59897240	59897440	59.90	3.00E-44	LOC351576
CL349605	RP44_309H1	T7	3	59949740	59949839	59.95	2.00E-08	NA
CL358342	RP44_414P15	T7	3	60084665	60084961	60.08	3.00E-10	LOC351578
CL333809	RP44_250D19	T7	3	60177831	60177906	60.18	3.00E-10	LOC344801
CL358334	RP44_414N15	T7	3	60177831	60177906	60.18	4.00E-10	LOC344801
CL366228	RP44_358P13	T7	3	60261946	60262087	60.26	3.00E-26	LOC344801
CL412067	RP44_430O4	SP6	3	60292626	60292858	60.29	2.00E-08	LOC344801
CL333884	RP44_250D19	SP6	3	60364185	60364447	60.36	2.00E-11	LOC344802
CL376619	RP44_445M17	T7	3	60463028	60463211	60.46	4.00E-29	NA
CL343955	RP44_277B21	SP6	3	60641895	60642601	60.64	2.00E-24	LOC344928
CL335963	RP44_254J16	SP6	3	60685579	60686159	60.69	7.00E-30	LOC344928
CL337227	RP44_264C4	T7	3	60807427	60807482	60.81	6.00E-06	LOC344929
CL335889	RP44_254J16	T7	3	60840306	60840761	60.84	2.00E-11	NA
CL365916	RP44_356B22	T7	3	60870406	60870455	60.87	1.00E-06	LOC344930
CL412807	RP44_431P13	T7	3	60983637	60983805	60.98	9.00E-21	NA
CL389607	RP44_286P12	SP6	3	61115356	61115625	61.12	2.00E-18	NA
CL389529	RP44_286P12	T7	3	61317560	61317646	61.32	6.00E-12	NA
CL325889	RP44_242I16	SP6	3	61352644	61352845	61.35	7.00E-45	NA
CL334311	RP44_251M10	T7	3	61365463	61365667	61.37	2.00E-06	NA
CL334388	RP44_251M10	SP6	3	61540196	61540519	61.54	e-112	PTPRG
CL410205	RP44_418J8	T7	3	61621312	61621586	61.62	1.00E-59	PTPRG
CL408449	RP44_415K20	SP6	3	61627182	61627427	61.63	4.00E-10	PTPRG
CL358807	RP44_415K20	T7	3	61804693	61804922	61.80	1.00E-50	PTPRG

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL383420	RP44_326C10	SP6	3	61823920	61824042	61.82	4.00E-17	PTPRG
CL373714	RP44_469M9	T7	3	62032914	62033832	62.03	e-132	PTPRG
CL370645	RP44_296I15	T7	3	62077029	62077301	62.08	3.00E-32	PTPRG
CL328401	RP44_248H11	T7	3	62156305	62156726	62.16	2.00E-18	NA
CL355954	RP44_410B3	SP6	3	62301053	62301106	62.30	8.00E-07	CADPS
CL365329	RP44_400D24	T7	3	62356251	62356766	62.36	3.00E-82	CADPS
CL377871	RP44_422L13	T7	3	62386396	62386717	62.39	2.00E-23	CADPS
CL327022	RP44_244H22	SP6	3	62388584	62389071	62.39	1.00E-19	CADPS
CL374290	RP44_469L24	SP6	3	62395120	62395868	62.40	6.00E-09	CADPS
CL369490	RP44_291K20	T7	3	62416371	62416507	62.42	3.00E-08	CADPS
CL344227	RP44_278K12	T7	3	62781835	62782213	62.78	2.00E-09	NA
CL377233	RP44_449D19	T7	3	62781835	62782213	62.78	2.00E-09	NA
CL378274	RP44_423P20	T7	3	62805998	62806319	62.81	2.00E-33	NA
CL320443	CH242_6N16	SP6	3	63116070	63116149	63.12	6.00E-15	NA
CL369898	RP44_292L18	T7	3	63143717	63143762	63.14	7.00E-09	SYNPR
CL351372	RP44_312I24	SP6	3	63288194	63289038	63.29	2.00E-24	SYNPR
CL346341	RP44_270N3	T7	3	63309948	63310167	63.31	1.00E-22	SYNPR
CL369962	RP44_292L18	SP6	3	63331212	63331824	63.33	4.00E-10	SYNPR
CL346250	RP44_270K9	SP6	3	63450767	63451075	63.45	3.00E-26	SYNPR
CL346416	RP44_270N3	SP6	3	63509099	63509379	63.51	4.00E-31	NA
CL324262	RP44_474G18	T7	3	63718396	63718742	63.72	1.00E-74	SCA7
CL355214	RP44_409O20	T7	3	64031407	64031560	64.03	1.00E-06	PRICKLE2
CL410970	RP44_420I11	SP6	3	64052669	64052709	64.05	9.00E-11	PRICKLE2
CL410888	RP44_420I11	T7	3	64052669	64052709	64.05	4.00E-11	PRICKLE2
CL353631	RP44_403M12	SP6	3	64052669	64052951	64.05	3.00E-06	PRICKLE2
CL360060	RP44_338L1	SP6	3	64228949	64229463	64.23	1.00E-80	LOC344938
CL359976	RP44_338L1	T7	3	64402914	64403342	64.40	e-104	ADAMTS9
CL359786	RP44_338E3	T7	3	64646596	64646824	64.65	4.00E-07	NA
CL326805	RP44_244I6	T7	3	64680725	64681133	64.68	1.00E-31	LOC344940
CL379336	RP44_426H9	T7	3	64725318	64725545	64.73	1.00E-30	LOC344940
CL338609	RP44_266K18	SP6	3	64727355	64727593	64.73	4.00E-25	LOC344940
CL363438	RP44_388L15	T7	3	64748066	64748112	64.75	3.00E-07	LOC344940
CL352912	RP44_402E5	T7	3	64765291	64765364	64.77	3.00E-11	LOC344940
CL338526	RP44_266K18	T7	3	64856552	64857123	64.86	5.00E-50	LOC344941
CL351829	RP44_313H1	T7	3	65050755	65051087	65.05	3.00E-82	NA
CL371923	RP44_304F6	T7	3	65080264	65080370	65.08	7.00E-23	NA
CL368846	RP44_289B24	T7	3	65083431	65083668	65.08	6.00E-09	NA
CL372007	RP44_304F6	SP6	3	65157208	65157729	65.16	9.00E-39	LOC344943
CL338767	RP44_267K11	SP6	3	65174607	65175070	65.17	2.00E-91	LOC344943
CL362614	RP44_380G21	SP6	3	65185174	65185362	65.19	6.00E-49	LOC344943
CL338688	RP44_267K11	T7	3	65359210	65359278	65.36	2.00E-08	BAIAP1
CL366582	RP44_362O2	SP6	3	65411629	65411697	65.41	4.00E-11	BAIAP1
CL323267	RP44_457P20	SP6	3	65481074	65481178	65.48	3.00E-07	NA
CL361362	RP44_350G23	SP6	3	65496756	65496881	65.50	8.00E-21	NA
CL361287	RP44_350G23	T7	3	65496821	65496881	65.50	7.00E-18	NA
CL333125	RP44_249C9	T7	3	65507111	65507213	65.51	1.00E-09	NA
CL346626	RP44_271E12	T7	3	65544767	65544886	65.54	1.00E-14	NA
CL366504	RP44_362O2	T7	3	65545451	65545623	65.55	1.00E-07	NA
CL322582	RP44_405N15	SP6	3	65591970	65592280	65.59	2.00E-54	LOC344945
CL346703	RP44_271E12	SP6	3	65723913	65724029	65.72	3.00E-06	LOC151877
CL373620	RP44_457L4	T7	3	66177206	66177420	66.18	5.00E-86	LOC115286
CL338560	RP44_266C6	SP6	3	66203435	66203704	66.20	1.00E-55	LOC115286
CL354548	RP44_407I24	SP6	3	66224845	66224900	66.22	1.00E-05	LOC115286
CL323245	RP44_457L4	SP6	3	66328879	66329232	66.33	1.00E-34	LRIG1
CL342218	RP44_261N10	SP6	3	66343874	66343950	66.34	7.00E-06	LRIG1
CL323952	RP44_463C4	T7	3	66372122	66372445	66.37	2.00E-91	LRIG1
CL339644	RP44_255L2	SP6	3	66507277	66507360	66.51	7.00E-08	LOC348772
CL377299	RP44_449B11	SP6	3	66884235	66884481	66.88	e-100	TA-KRP
CL362532	RP44_380G3	T7	3	67101480	67101675	67.10	2.00E-24	NA
CL333257	RP44_249A12	T7	3	67135228	67135270	67.14	9.00E-10	LOC344617
CL334453	RP44_251J21	T7	3	67341696	67342046	67.34	2.00E-23	SUCLG2
CL389891	RP44_287I24	SP6	3	67439092	67439150	67.44	2.00E-09	SUCLG2
CL344509	RP44_278B20	T7	3	67442807	67442987	67.44	8.00E-24	SUCLG2
CL371375	RP44_302B21	SP6	3	67536447	67536493	67.54	4.00E-07	NA
CL335772	RP44_254A5	SP6	3	68123655	68123945	68.12	3.00E-26	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL359953	RP44_338F21	T7	3	68166540	68166804	68.17	3.00E-29	NA
CL352354	RP44_401G15	T7	3	68351178	68351444	68.35	2.00E-13	NA
CL340740	RP44_258H7	T7	3	68712867	68712950	68.71	9.00E-11	LOC151647
CL364671	RP44_398H7	T7	3	68780082	68780583	68.78	2.00E-61	LOC151647
CL379538	RP44_426N24	T7	3	68933178	68933291	68.93	2.00E-11	UBE1C
CL376288	RP44_444A13	T7	3	69034318	69034380	69.03	6.00E-09	NA
CL373041	RP44_307H5	T7	3	69069676	69069831	69.07	1.00E-28	KIAA1013
CL331231	CH242_7K18	T7	3	69194972	69195230	69.20	3.00E-34	KIAA1013
CL379181	RP44_426M5	SP6	3	69441955	69442312	69.44	2.00E-55	LOC151936
CL387936	RP44_284A9	T7	3	69592628	69593031	69.59	2.00E-29	LOC344589
CL334824	RP44_252K11	SP6	3	69660176	69660324	69.66	4.00E-13	MITF
CL388004	RP44_284A9	SP6	3	69752638	69752824	69.75	5.00E-46	MITF
CL336177	RP44_255F21	T7	3	69752905	69753534	69.75	5.00E-25	MITF
CL336447	RP44_262F20	SP6	3	69908004	69908337	69.91	3.00E-48	LOC351385
CL410031	RP44_418C4	SP6	3	70048853	70049349	70.05	6.00E-92	NA
CL342756	RP44_262F20	T7	3	70086070	70086441	70.09	2.00E-09	LOC286674
CL341673	RP44_261K15	T7	3	70121447	70121597	70.12	2.00E-15	LOC286674
CL322580	RP44_405N13	SP6	3	70121529	70121597	70.12	4.00E-06	LOC286674
CL366631	RP44_362J13	T7	3	70141417	70141616	70.14	7.00E-15	LOC286674
CL341750	RP44_261K15	SP6	3	70361078	70361563	70.36	e-125	NA
CL381777	RP44_316C24	SP6	3	70364575	70364735	70.36	3.00E-13	LOC256317
CL331421	CH242_7D13	SP6	3	70462660	70463003	70.46	e-143	NA
CL333357	RP44_249M20	SP6	3	70484004	70484061	70.48	9.00E-07	NA
CL409315	RP44_417C5	SP6	3	70485280	70485780	70.49	1.00E-09	NA
CL334451	RP44_251J17	T7	3	70485280	70485849	70.49	2.00E-36	NA
CL338766	RP44_267K9	SP6	3	70503412	70503718	70.50	5.00E-28	NA
CL414364	RP44_436L9	T7	3	70631223	70631392	70.63	2.00E-09	NA
CL439813	RP44_297H2	T7	3	70865574	70865755	70.87	4.00E-31	FOXP1
CL328026	RP44_246J12	SP6	3	70924710	70925125	70.92	1.00E-61	FOXP1
CL364258	RP44_396E16	T7	3	71025861	71026370	71.03	0	FOXP1
CL328796	RP44_373D22	SP6	3	71079700	71080160	71.08	e-101	FOXP1
CL383158	RP44_325P21	SP6	3	71157308	71157406	71.16	1.00E-16	FOXP1
CL409009	RP44_416N21	SP6	3	71197756	71197920	71.20	3.00E-20	FOXP1
CL349552	RP44_309K18	SP6	3	71220857	71221017	71.22	5.00E-16	FOXP1
CL364336	RP44_396E16	SP6	3	71227764	71228150	71.23	4.00E-62	FOXP1
CL351211	RP44_312M7	T7	3	71228555	71228926	71.23	e-107	FOXP1
CL383510	RP44_326H12	T7	3	71232271	71232412	71.23	1.00E-40	FOXP1
CL344407	RP44_278P1	T7	3	71244391	71245104	71.24	e-131	FOXP1
CL386659	RP44_334F17	SP6	3	71245700	71245783	71.25	1.00E-19	FOXP1
CL349475	RP44_309K18	T7	3	71401785	71402252	71.40	6.00E-09	FOXP1
CL386588	RP44_334F17	T7	3	71405519	71405913	71.41	1.00E-71	FOXP1
CL347265	RP44_272E18	T7	3	71538309	71538762	71.54	e-111	MGC39820
CL377718	RP44_457E18	T7	3	71543845	71544335	71.54	9.00E-48	MGC39820
CL352524	RP44_401E8	SP6	3	71712429	71712628	71.71	6.00E-50	NA
CL412010	RP44_430C14	SP6	3	71978414	71978790	71.98	2.00E-24	NA
CL336027	RP44_255I7	T7	3	72540151	72540530	72.54	2.00E-11	NA
CL364608	RP44_396J22	SP6	3	72581757	72581852	72.58	1.00E-08	NA
CL349987	RP44_310G5	SP6	3	72638572	72638636	72.64	1.00E-06	FLJ10539
CL325894	RP44_242K4	SP6	3	72675195	72675644	72.68	e-108	FLJ10539
CL332073	CH242_10G3	SP6	3	72677299	72677359	72.68	4.00E-13	FLJ10539
CL368190	RP44_288N15	SP6	3	73128197	73128449	73.13	3.00E-51	LOC344709
CL349749	RP44_309F12	T7	3	73216347	73216419	73.22	5.00E-06	NA
CL376582	RP44_445E11	T7	3	73233380	73233624	73.23	2.00E-31	NA
CL368113	RP44_288N15	T7	3	73299187	73299327	73.30	6.00E-18	SEMACAP3
CL414193	RP44_436G20	T7	3	73307656	73307765	73.31	4.00E-16	SEMACAP3
CL388255	RP44_284F21	T7	3	73340333	73340468	73.34	3.00E-26	SEMACAP3
CL332255	CH242_10G6	SP6	3	73340506	73341044	73.34	3.00E-97	SEMACAP3
CL332549	CH242_12O1	T7	3	73368779	73369022	73.37	6.00E-40	SEMACAP3
CL383613	RP44_326P4	SP6	3	73508077	73508555	73.51	e-102	LOC151741
CL381302	RP44_315D19	SP6	3	73530381	73530833	73.53	e-123	LOC344710
CL362713	RP44_380P21	T7	3	73573714	73574131	73.57	2.00E-85	LOC344710
CL409899	RP44_418G9	T7	3	73574386	73574593	73.57	7.00E-21	LOC344710
CL329580	RP44_394J1	T7	3	73740454	73740922	73.74	1.00E-80	LOC344712
CL377393	RP44_449D8	T7	3	73872657	73873049	73.87	8.00E-33	LOC344712
CL380900	RP44_314F19	T7	3	74020338	74020708	74.02	9.00E-39	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL385298	RP44_330H17	T7	3	74040611	74041003	74.04	1.00E-92	NA
CL380982	RP44_314F19	SP6	3	74096518	74096772	74.10	1.00E-59	NA
CL376434	RP44_444H3	T7	3	74403138	74403203	74.40	5.00E-09	NA
CL326726	RP44_244I3	SP6	3	74564430	74564626	74.56	5.00E-15	LOC348776
CL375072	RP44_471C9	SP6	3	74609794	74609899	74.61	1.00E-13	LOC348776
CL364033	RP44_393K2	SP6	3	74727051	74727217	74.73	2.00E-07	NA
CL410636	RP44_419P19	T7	3	74753630	74755607	74.75	2.00E-46	NA
CL344759	RP44_279E17	SP6	3	75044115	75044362	75.04	6.00E-31	NA
CL349818	RP44_309D20	SP6	3	75175258	75175402	75.18	3.00E-07	LOC344715
CL373689	RP44_469I3	T7	3	75187723	75187782	75.19	1.00E-07	LOC344715
CL372727	RP44_306D22	T7	3	75908326	75908717	75.91	4.00E-10	LOC351393
CL366585	RP44_362O10	SP6	3	76012008	76012262	76.01	2.00E-15	NA
CL411203	RP44_420L23	T7	3	76121564	76121890	76.12	2.00E-49	LOC351395
CL347352	RP44_272E18	SP6	3	76133594	76133698	76.13	6.00E-21	NA
CL412835	RP44_431F7	SP6	3	76140281	76140333	76.14	5.00E-06	NA
CL390266	RP44_288E24	T7	3	76208556	76208879	76.21	e-103	NA
CL387882	RP44_283E17	SP6	3	76231938	76232111	76.23	2.00E-20	NA
CL387802	RP44_283E17	T7	3	76409747	76412531	76.41	8.00E-21	NA
CL381188	RP44_314P4	SP6	3	76412959	76413228	76.41	1.00E-22	NA
CL338634	RP44_266O24	SP6	3	76515545	76515669	76.52	1.00E-10	NA
CL356574	RP44_411N1	SP6	3	76670436	76670672	76.67	1.00E-71	NA
CL338547	RP44_266O24	T7	3	76701673	76701786	76.70	4.00E-28	LOC344602
CL377824	RP44_457I24	SP6	3	76755558	76755958	76.76	7.00E-43	NA
CL336977	RP44_263B16	SP6	3	76813899	76814376	76.81	e-132	LOC344603
CL337103	RP44_264K1	T7	3	76822687	76822789	76.82	4.00E-07	LOC344603
CL358076	RP44_414E15	SP6	3	76855911	76856324	76.86	3.00E-94	LOC344603
CL336897	RP44_263B16	T7	3	76980734	76981348	76.98	0	ROBO2
CL355131	RP44_409M17	SP6	3	77000031	77000125	77.00	5.00E-07	ROBO2
CL374999	RP44_471E9	T7	3	77005674	77005839	77.01	6.00E-49	ROBO2
CL360832	RP44_341N8	SP6	3	77045856	77045921	77.05	5.00E-12	ROBO2
CL355064	RP44_409M17	T7	3	77178960	77179709	77.18	3.00E-23	ROBO2
CL328341	RP44_248I22	SP6	3	77204152	77204415	77.20	3.00E-48	ROBO2
CL360779	RP44_341N8	T7	3	77216757	77216822	77.22	1.00E-06	ROBO2
CL410159	RP44_418P19	T7	3	77403434	77403971	77.40	6.00E-83	ROBO2
CL337764	RP44_265E1	SP6	3	77556708	77557658	77.56	2.00E-12	NA
CL337687	RP44_265E1	T7	3	77766735	77767000	77.77	8.00E-33	LOC285323
CL322113	RP44_399N17	T7	3	77801293	77801377	77.80	4.00E-13	NA
CL342504	RP44_262E20	SP6	3	77849695	77851281	77.85	7.00E-09	LOC339898
CL332553	CH242_12O9	T7	3	77968875	77968944	77.97	2.00E-06	LOC344790
CL342555	RP44_262O18	SP6	3	77970495	77970588	77.97	8.00E-14	LOC344790
CL371095	RP44_301I1	SP6	3	78030189	78030778	78.03	e-132	LOC344790
CL346924	RP44_271B20	T7	3	78142928	78143559	78.14	1.00E-13	LOC351400
CL371026	RP44_301I1	T7	3	78169363	78169652	78.17	6.00E-58	LOC351400
CL361030	RP44_343P3	T7	3	78194733	78194865	78.19	6.00E-06	LOC351400
CL363154	RP44_383K2	T7	3	78425198	78425275	78.43	1.00E-06	NA
CL336597	RP44_263E10	T7	3	78472602	78472892	78.47	1.00E-77	ROBO1
CL374972	RP44_470P22	SP6	3	78563943	78564765	78.56	3.00E-07	ROBO1
CL363229	RP44_383K2	SP6	3	78587535	78587871	78.59	6.00E-61	ROBO1
CL386322	RP44_333H20	T7	3	78712675	78712835	78.71	5.00E-34	ROBO1
CL357593	RP44_413E6	SP6	3	78745861	78745939	78.75	1.00E-12	ROBO1
CL409241	RP44_417E9	T7	3	78756325	78756938	78.76	e-124	ROBO1
CL409015	RP44_416P11	SP6	3	78757731	78757971	78.76	5.00E-09	ROBO1
CL386401	RP44_333H20	SP6	3	78898169	78898747	78.90	2.00E-64	ROBO1
CL409092	RP44_416P11	T7	3	78951265	78951322	78.95	1.00E-06	ROBO1
CL361909	RP44_353M17	T7	3	79113780	79114687	79.11	6.00E-12	ROBO1
CL339650	RP44_255L14	SP6	3	79152238	79152597	79.15	e-103	ROBO1
CL320275	CH242_2F23	T7	3	79153166	79153603	79.15	1.00E-28	ROBO1
CL334720	RP44_252G3	T7	3	79338725	79338792	79.34	2.00E-12	ROBO1
CL373592	RP44_457D24	T7	3	79394818	79394899	79.39	5.00E-09	ROBO1
CL381003	RP44_314L1	SP6	3	79699708	79699816	79.70	2.00E-11	NA
CL350412	RP44_310L12	T7	3	79757085	79757316	79.76	4.00E-41	NA
CL337316	RP44_264E16	SP6	3	79804522	79804721	79.80	1.00E-19	NA
CL381426	RP44_315L24	T7	3	79997000	79997041	80.00	1.00E-06	LOC351401
CL352958	RP44_402O7	T7	3	80030830	80030887	80.03	2.00E-06	LOC351401
CL360245	RP44_339E17	T7	3	80085774	80086317	80.09	2.00E-36	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL366250	RP44_358F9	SP6	3	80127271	80127635	80.13	3.00E-69	NA
CL341205	RP44_260M1	SP6	3	80218337	80218403	80.22	4.00E-07	NA
CL379235	RP44_426G24	T7	3	80515449	80515610	80.52	1.00E-11	NA
CL322988	RP44_437O14	T7	3	80515449	80515699	80.52	5.00E-28	NA
CL386749	RP44_334L24	T7	3	80526174	80526273	80.53	5.00E-22	NA
CL320246	CH242_2012	T7	3	80601610	80601738	80.60	7.00E-19	NA
CL412203	RP44_430J19	T7	3	81096157	81096566	81.10	2.00E-45	LOC344607
CL367293	RP44_367A10	T7	3	81155147	81155515	81.16	e-104	NA
CL378118	RP44_423K4	T7	3	81158058	81158573	81.16	5.00E-59	NA
CL367376	RP44_367A10	SP6	3	81305096	81305332	81.31	2.00E-30	NA
CL327262	RP44_245O24	T7	3	81338841	81338931	81.34	1.00E-09	NA
CL409620	RP44_417H17	SP6	3	81388820	81388982	81.39	9.00E-29	GBE1
CL322051	RP44_399H19	SP6	3	81466138	81466274	81.47	2.00E-21	GBE1
CL322050	RP44_399H19	T7	3	81600569	81600633	81.60	4.00E-13	GBE1
CL333570	RP44_250M9	T7	3	81696411	81696654	81.70	3.00E-72	LOC344608
CL330330	CH242_3D4	T7	3	81780772	81780962	81.78	1.00E-07	NA
CL366928	RP44_363K3	T7	3	81793770	81794149	81.79	4.00E-49	NA
CL370217	RP44_294N15	SP6	3	81925967	81926184	81.93	6.00E-17	NA
CL330410	CH242_3D4	SP6	3	81943834	81943898	81.94	6.00E-06	LOC285211
CL381128	RP44_314D14	SP6	3	82508679	82508787	82.51	5.00E-25	LOC351403
CL363718	RP44_389N9	SP6	3	82580475	82580813	82.58	e-106	LOC351403
CL386805	RP44_334L22	SP6	3	83002688	83002737	83.00	7.00E-09	LOC351404
CL357687	RP44_413H13	T7	3	83187940	83188463	83.19	1.00E-16	NA
CL386748	RP44_334L22	T7	3	83197926	83198539	83.20	1.00E-28	NA
CL341239	RP44_260C5	T7	3	83274044	83274542	83.27	4.00E-38	NA
CL357767	RP44_413H13	SP6	3	83480123	83480284	83.48	3.00E-54	NA
CL351151	RP44_312A15	T7	3	83682123	83682591	83.68	e-126	LOC351405
CL343376	RP44_276L13	SP6	3	83931413	83931576	83.93	1.00E-16	NA
CL334289	RP44_251G20	T7	3	84062884	84062954	84.06	4.00E-07	NA
CL339280	RP44_268D11	SP6	3	84101561	84101693	84.10	1.00E-13	NA
CL412796	RP44_431N15	T7	3	84457985	84458226	84.46	9.00E-45	NA
CL326765	RP44_244O23	SP6	3	84457985	84458319	84.46	1.00E-47	NA
CL353729	RP44_403H1	SP6	3	84582274	84582761	84.58	e-114	NA
CL352102	RP44_313L4	SP6	3	84600745	84601340	84.60	1.00E-63	NA
CL352115	RP44_313N6	SP6	3	84600745	84601340	84.60	1.00E-63	NA
CL332645	CH242_12O21	SP6	3	84713925	84714173	84.71	6.00E-68	LOC351406
CL355179	RP44_409I6	T7	3	84860505	84860820	84.86	3.00E-19	LOC344614
CL346036	RP44_269J17	T7	3	84905311	84905383	84.91	2.00E-08	NA
CL348012	RP44_273J24	T7	3	84905311	84905383	84.91	2.00E-08	NA
CL387387	RP44_281C2	SP6	3	84958556	84958614	84.96	4.00E-07	NA
CL409928	RP44_418O1	T7	3	85031063	85031328	85.03	1.00E-51	NA
CL355410	RP44_409H11	SP6	3	85052719	85052852	85.05	1.00E-16	NA
CL342705	RP44_262N3	SP6	3	85138339	85138618	85.14	1.00E-09	LOC344615
CL337792	RP44_265I19	SP6	3	85362330	85362794	85.36	2.00E-12	NA
CL344261	RP44_278A16	SP6	3	85365102	85365352	85.37	9.00E-33	NA
CL385256	RP44_330O4	SP6	3	85425386	85426043	85.43	4.00E-66	NA
CL373560	RP44_457N21	T7	3	85428493	85429095	85.43	3.00E-23	NA
CL388059	RP44_284M19	SP6	3	85474322	85474431	85.47	5.00E-16	NA
CL376958	RP44_449A1	SP6	3	85474322	85474431	85.47	4.00E-16	NA
CL382219	RP44_323D14	T7	3	85474322	85474431	85.47	3.00E-16	NA
CL383358	RP44_326E18	T7	3	85637657	85638261	85.64	6.00E-56	NA
CL409597	RP44_417D13	SP6	3	85694059	85694513	85.69	8.00E-08	LOC253559
CL347511	RP44_272F21	SP6	3	85729305	85729583	85.73	2.00E-33	LOC253559
CL334470	RP44_251P3	T7	3	85733879	85734024	85.73	2.00E-06	LOC253559
CL349895	RP44_310C13	T7	3	86062879	86063337	86.06	3.00E-26	LOC351408
CL338533	RP44_266M12	T7	3	86305601	86305960	86.31	1.00E-65	LOC351409
CL383249	RP44_325B18	SP6	3	86305607	86305960	86.31	4.00E-66	LOC351409
CL324170	RP44_463P6	T7	3	86404734	86405032	86.40	1.00E-20	NA
CL383166	RP44_325B18	T7	3	86507133	86507712	86.51	1.00E-10	LOC351410
CL338616	RP44_266M12	SP6	3	86512992	86513364	86.51	4.00E-32	LOC351410
CL334036	RP44_250F12	SP6	3	86582369	86582413	86.58	6.00E-06	LOC351410
CL347876	RP44_273K24	T7	3	87134219	87134307	87.13	6.00E-18	NA
CL364051	RP44_393M20	SP6	3	87750136	87750853	87.75	6.00E-25	LOC351433
CL352626	RP44_401L13	T7	3	87766029	87766264	87.77	8.00E-08	NA
CL367859	RP44_372N13	SP6	3	88097557	88097606	88.10	1.00E-06	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL366531	RP44_362C20	SP6	3	88327301	88327552	88.33	3.00E-72	LOC344653
CL379335	RP44_426H7	T7	3	88327324	88327552	88.33	3.00E-62	LOC344653
CL375843	RP44_441K9	T7	3	88544337	88544720	88.54	2.00E-21	NA
CL347290	RP44_272K2	T7	3	88545625	88546171	88.55	0	NA
CL376928	RP44_449K3	T7	3	88545693	88546171	88.55	0	NA
CL368941	RP44_289F10	SP6	3	88547152	88547745	88.55	7.00E-55	NA
CL373621	RP44_457L8	T7	3	88697296	88697366	88.70	5.00E-12	NA
CL373310	RP44_308K6	SP6	3	88841701	88842223	88.84	0	NA
CL373232	RP44_308K6	T7	3	89016099	89016603	89.02	1.00E-37	LOC285208
CL373377	RP44_308H21	T7	3	89137054	89137092	89.14	4.00E-07	EPHA3
CL411009	RP44_420A10	T7	3	89162533	89162598	89.16	1.00E-06	EPHA3
CL373451	RP44_308H21	SP6	3	89324737	89325134	89.32	3.00E-60	EPHA3
CL346098	RP44_269L5	SP6	3	89355041	89355559	89.36	5.00E-34	EPHA3
CL331580	CH242_8E19	SP6	3	89422743	89422800	89.42	6.00E-09	NA
CL346040	RP44_269L5	T7	3	89554648	89555112	89.55	5.00E-43	LOC348787
CL379625	RP44_426N22	SP6	3	89708805	89709320	89.71	2.00E-12	LOC348787
CL364288	RP44_396K14	T7	3	89730348	89730545	89.73	3.00E-10	LOC348787
CL388579	RP44_285G9	T7	3	89730348	89731033	89.73	9.00E-18	LOC348787
CL412376	RP44_430L16	SP6	3	89840108	89840172	89.84	2.00E-15	LOC351436
CL410412	RP44_419E11	SP6	3	89843344	89843473	89.84	2.00E-08	LOC351436
CL380296	RP44_428L10	SP6	3	90087727	90087773	90.09	4.00E-07	NA
CL372457	RP44_305B10	SP6	3	95269232	95269330	95.27	4.00E-07	NA
CL387986	RP44_284M11	T7	3	95291240	95291359	95.29	4.00E-22	NA
CL372373	RP44_305B10	T7	3	95436418	95436903	95.44	1.00E-38	LOC351455
CL323755	RP44_459D17	SP6	3	95491611	95491701	95.49	2.00E-14	NA
CL389258	RP44_286G2	SP6	3	95563918	95564134	95.56	6.00E-12	NA
CL370674	RP44_296O19	T7	3	95710798	95711329	95.71	2.00E-06	NA
CL346849	RP44_271D7	SP6	3	95996915	95997269	96.00	1.00E-50	NA
CL326555	RP44_243B14	SP6	3	96839639	96839942	96.84	1.00E-80	NA
CL381687	RP44_316O3	SP6	3	97248681	97248756	97.25	1.00E-07	NA
CL360403	RP44_339A12	SP6	3	97397876	97398082	97.40	1.00E-28	NA
CL373597	RP44_457F14	T7	3	97580164	97580302	97.58	1.00E-06	NA
CL376620	RP44_445M19	T7	3	97694940	127231995	112.46	2.00E-11	LOC344731
CL369405	RP44_291E9	SP6	3	98040410	98040498	98.04	6.00E-07	LOC203806
CL382540	RP44_324B19	T7	3	98040623	98040870	98.04	5.00E-53	LOC203806
CL333004	CH242_12H12	SP6	3	98113945	98114173	98.11	3.00E-14	LOC203806
CL345012	RP44_279J5	T7	3	98200311	98200736	98.20	1.00E-22	LOC203806
CL345066	RP44_279F15	SP6	3	98254988	98256080	98.26	1.00E-10	NA
CL344218	RP44_278I14	T7	3	98279000	98279073	98.28	2.00E-06	NA
CL345081	RP44_279J5	SP6	3	98361387	98362007	98.36	4.00E-16	NA
CL344999	RP44_279F15	T7	3	98413102	98413170	98.41	7.00E-06	NA
CL374896	RP44_470P16	T7	3	98456908	98457136	98.46	3.00E-07	DKFZp434C1418
CL351457	RP44_312N24	SP6	3	98592083	98592132	98.59	1.00E-13	DKFZp434C1418
CL385575	RP44_332C5	T7	3	98672021	98672391	98.67	4.00E-71	DKFZp434C1418
CL378252	RP44_423L22	T7	3	98749440	98749943	98.75	8.00E-27	NA
CL408715	RP44_415B12	SP6	3	98814508	98814537	98.81	2.00E-06	NA
CL378312	RP44_423L22	SP6	3	98901836	98902184	98.90	6.00E-40	DKFZp667G2110
CL327105	RP44_245K23	T7	3	98918186	98918590	98.92	1.00E-21	DKFZp667G2110
CL372064	RP44_304P22	SP6	3	98937957	98938018	98.94	2.00E-11	DKFZp667G2110
CL342036	RP44_261F21	SP6	3	99124046	148630441	123.88	2.00E-09	LOC339900
CL325120	RP44_479K19	T7	3	99354587	99498653	99.43	1.00E-46	LOC131284
CL367371	RP44_367O24	T7	3	99515633	99516047	99.52	4.00E-66	C3orf4
CL369479	RP44_291I8	T7	3	99534855	99534927	99.53	4.00E-06	NA
CL372947	RP44_307C2	SP6	3	99801603	99801716	99.80	5.00E-11	ESDN
CL346775	RP44_271D23	T7	3	99898288	99898813	99.90	3.00E-14	ESDN
CL333328	RP44_249C20	SP6	3	99906277	99906659	99.91	6.00E-85	NA
CL372331	RP44_305H23	SP6	3	99916651	99916830	99.92	1.00E-19	NA
CL412572	RP44_431C16	T7	3	99986099	99986264	99.99	1.00E-09	NA
CL338321	RP44_266A21	T7	3	100056753	100057601	100.06	5.00E-47	NA
CL408556	RP44_415D5	SP6	3	100126533	100127106	100.13	9.00E-39	NA
CL368321	RP44_288L18	SP6	3	100126535	100126823	100.13	3.00E-37	NA
CL337062	RP44_264A21	T7	3	100250602	100251281	100.25	3.00E-57	LOC351459
CL384457	RP44_329O5	T7	3	100270190	100270675	100.27	1.00E-96	LOC351459
CL322675	RP44_416I6	SP6	3	100343200	100343740	100.34	3.00E-08	LOC351459
CL385087	RP44_330I23	SP6	3	100442452	100442515	100.44	9.00E-08	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL358215	RP44_414E14	SP6	3	100523485	100523738	100.52	3.00E-52	LOC344630
CL358533	RP44_414F14	SP6	3	100523485	100523804	100.52	3.00E-87	LOC344630
CL335047	RP44_252N13	T7	3	100618760	100618892	100.62	5.00E-11	NA
CL347985	RP44_273F2	T7	3	100618760	100618892	100.62	9.00E-11	NA
CL387588	RP44_281J17	SP6	3	100684461	100684843	100.68	2.00E-55	LOC57086
CL346184	RP44_270K23	T7	3	100869315	100869864	100.87	3.00E-32	DOC1
CL345027	RP44_279L15	T7	3	100982310	100983043	100.98	2.00E-92	MGC4308
CL364334	RP44_396E12	SP6	3	101006276	101006414	101.01	2.00E-14	MGC4308
CL388204	RP44_284K14	SP6	3	101009187	101009678	101.01	1.00E-80	MGC4308
CL346257	RP44_270K23	SP6	3	101033248	101033366	101.03	2.00E-12	MGC4308
CL410216	RP44_418L6	T7	3	101033888	101034465	101.03	1.00E-41	MGC4308
CL383476	RP44_326O12	SP6	3	101043369	101043540	101.04	2.00E-17	MGC4308
CL383617	RP44_326P12	SP6	3	101043369	101043540	101.04	5.00E-15	MGC4308
CL345787	RP44_280B16	T7	3	101186587	101186732	101.19	2.00E-30	LOC339844
CL387206	RP44_281K21	T7	3	101213432	101213661	101.21	3.00E-20	NA
CL411420	RP44_421F8	SP6	3	101235780	101236004	101.24	2.00E-20	NA
CL320548	CH242_10H12	T7	3	101556563	101557044	101.56	7.00E-43	FLJ10134
CL384887	RP44_329J14	T7	3	101857159	101857211	101.86	3.00E-06	NA
CL383715	RP44_327E23	SP6	3	101895119	101895784	101.90	1.00E-16	FLJ21551
CL369933	RP44_292D22	SP6	3	101970508	101970595	101.97	3.00E-10	FLJ21551
CL388538	RP44_284P8	SP6	3	102077534	102077652	102.08	4.00E-16	NA
CL388467	RP44_284P8	T7	3	102272574	102273140	102.27	8.00E-64	IMPG2
CL409705	RP44_417L10	T7	3	102367887	102367975	102.37	2.00E-18	SENP7
CL332393	CH242_10B7	SP6	3	102880113	102880403	102.88	2.00E-12	NA
CL359011	RP44_335B3	SP6	3	102898875	102899197	102.90	7.00E-18	LOC351460
CL332337	CH242_10H5	T7	3	102972186	102972700	102.97	1.00E-07	LOC152225
CL332310	CH242_10B7	T7	3	103079683	103079720	103.08	2.00E-06	NA
CL366880	RP44_362P4	SP6	3	103096243	103096368	103.10	7.00E-24	NA
CL338882	RP44_267E8	SP6	3	103253785	103253889	103.25	4.00E-08	LOC131368
CL324090	RP44_463B16	SP6	3	103266065	103266171	103.27	2.00E-17	LOC131368
CL366101	RP44_358C20	SP6	3	103438551	103438749	103.44	2.00E-43	LOC131368
CL349249	RP44_308N8	SP6	3	103607160	103607617	103.61	1.00E-50	NA
CL335273	RP44_253M19	SP6	3	103914423	103914631	103.91	4.00E-21	NA
CL380183	RP44_428H12	T7	3	103915049	103915192	103.92	6.00E-09	NA
CL340873	RP44_258B24	T7	3	104207450	104207506	104.21	1.00E-10	LOC351462
CL361985	RP44_353O13	SP6	3	104315604	104316228	104.32	1.00E-28	LOC351463
CL346627	RP44_271E14	T7	3	104316006	104316232	104.32	1.00E-35	LOC351463
CL413594	RP44_433N14	T7	3	104401314	104401414	104.40	1.00E-07	LOC351464
CL346704	RP44_271E14	SP6	3	104463078	104463165	104.46	4.00E-10	NA
CL367641	RP44_372G9	T7	3	104660920	104661343	104.66	8.00E-94	NA
CL327572	RP44_246E17	SP6	3	104919553	104919629	104.92	4.00E-13	NA
CL327584	RP44_246G19	SP6	3	104919553	104919629	104.92	4.00E-13	NA
CL330600	CH242_4H15	T7	3	105122221	105122258	105.12	1.00E-06	NA
CL326657	RP44_244I11	T7	3	105632476	105632679	105.63	3.00E-38	LOC351466
CL332375	CH242_10N19	T7	3	105646577	105646873	105.65	4.00E-10	LOC351466
CL380524	RP44_429E16	T7	3	105660296	105660552	105.66	1.00E-46	LOC351466
CL337257	RP44_264I8	T7	3	105874814	105875012	105.87	1.00E-18	LOC344670
CL384860	RP44_329D2	T7	3	106262226	106262648	106.26	7.00E-08	LOC351467
CL389622	RP44_287C3	T7	3	106265563	106265897	106.27	5.00E-12	LOC351467
CL363692	RP44_389H9	SP6	3	106363899	106364185	106.36	4.00E-10	NA
CL411324	RP44_420H8	T7	3	106363902	106364183	106.36	2.00E-07	NA
CL411329	RP44_420J2	T7	3	106363933	106364185	106.36	2.00E-10	NA
CL359885	RP44_338G15	SP6	3	106513414	106513529	106.51	1.00E-12	ALCAM
CL363305	RP44_383L11	T7	3	106530998	106531060	106.53	6.00E-12	ALCAM
CL348576	RP44_274P14	SP6	3	106652920	106653337	106.65	1.00E-13	NA
CL386650	RP44_334D7	SP6	3	106736784	106736944	106.74	2.00E-18	CBLB
CL348502	RP44_274P14	T7	3	106798143	106798214	106.80	1.00E-07	CBLB
CL328552	RP44_248F12	T7	3	106831564	106831952	106.83	7.00E-12	CBLB
CL362461	RP44_377I4	SP6	3	106878169	106878336	106.88	1.00E-34	NA
CL339118	RP44_268O22	T7	3	106913457	106913541	106.91	3.00E-08	NA
CL365127	RP44_400L19	T7	3	107070420	107070769	107.07	5.00E-16	NA
CL412331	RP44_430D18	SP6	3	107085147	107085227	107.09	3.00E-06	NA
CL409023	RP44_416B9	T7	3	107085147	107085227	107.09	3.00E-06	NA
CL412250	RP44_430D18	T7	3	107289490	107289896	107.29	7.00E-15	NA
CL343357	RP44_276H15	SP6	3	107325837	107326008	107.33	8.00E-15	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL408940	RP44_416B9	SP6	3	107329319	107329525	107.33	2.00E-17	NA
CL331291	CH242_7G18	SP6	3	107394343	107394484	107.39	2.00E-17	NA
CL331301	CH242_7I18	SP6	3	107394343	107394484	107.39	7.00E-16	NA
CL389154	RP44_286A8	T7	3	107483303	107483366	107.48	1.00E-07	NA
CL345691	RP44_280P19	T7	3	107498292	107498348	107.50	2.00E-06	NA
CL365145	RP44_400P13	T7	3	107510344	107510459	107.51	9.00E-08	NA
CL335478	RP44_253P3	T7	3	107629151	107629317	107.63	1.00E-16	LOC339860
CL409749	RP44_417F22	SP6	3	107725032	107725392	107.73	1.00E-43	NA
CL389230	RP44_286A8	SP6	3	107734751	107734973	107.73	2.00E-36	LOC351469
CL409591	RP44_417B23	SP6	3	107743262	107743498	107.74	2.00E-33	LOC351469
CL363597	RP44_388P18	T7	3	107942777	107943253	107.94	4.00E-25	NA
CL358284	RP44_414D7	T7	3	108108623	108109463	108.11	4.00E-10	NA
CL335884	RP44_254J2	T7	3	108109578	108109689	108.11	4.00E-25	NA
CL364088	RP44_396E15	T7	3	108469051	108469386	108.47	1.00E-06	NA
CL341196	RP44_260K5	SP6	3	108491177	108491249	108.49	1.00E-06	NA
CL364175	RP44_396E15	SP6	3	108660616	108660820	108.66	1.00E-19	BBX
CL338883	RP44_267E10	SP6	3	108703448	108703658	108.70	4.00E-20	BBX
CL363087	RP44_383M1	SP6	3	108857614	108857690	108.86	6.00E-08	LOC151658
CL322345	RP44_404O10	T7	3	109097826	109097872	109.10	3.00E-07	LOC344598
CL383159	RP44_325P23	SP6	3	109104007	109104262	109.10	3.00E-60	LOC344598
CL338518	RP44_266K2	T7	3	109520389	109520913	109.52	e-121	NA
CL380906	RP44_314H9	T7	3	109521301	109521441	109.52	3.00E-06	NA
CL333694	RP44_250K4	T7	3	109916439	109916490	109.92	4.00E-10	GUCA1C
CL322296	RP44_404I12	SP6	3	110006697	110006791	110.01	1.00E-16	MORC
CL351499	RP44_313E19	T7	3	110052153	110052205	110.05	3.00E-08	MORC
CL342875	RP44_275L16	SP6	3	110052714	110054021	110.05	4.00E-10	MORC
CL377532	RP44_457A17	T7	3	110070252	110070947	110.07	1.00E-28	MORC
CL377364	RP44_449N13	SP6	3	110210958	110211114	110.21	2.00E-08	NA
CL377280	RP44_449N13	T7	3	110387904	110387944	110.39	6.00E-06	NA
CL358091	RP44_414I17	SP6	3	110741141	110741437	110.74	2.00E-17	LOC348804
CL364471	RP44_396F23	SP6	3	110750928	110751378	110.75	5.00E-25	LOC348804
CL328370	RP44_248O18	SP6	3	110754717	110754856	110.75	1.00E-16	LOC348804
CL359244	RP44_335P20	SP6	3	110869658	110869908	110.87	8.00E-21	NA
CL382641	RP44_324H13	SP6	3	110943448	110943497	110.94	7.00E-09	NA
CL363646	RP44_388L4	SP6	3	111247783	111248300	111.25	4.00E-50	NA
CL338114	RP44_265J15	SP6	3	111302148	111302661	111.30	2.00E-09	NA
CL355011	RP44_409A3	T7	3	111469638	111469903	111.47	2.00E-09	NA
CL338034	RP44_265J15	T7	3	111491001	111491206	111.49	1.00E-19	NA
CL354720	RP44_408C14	T7	3	111519481	111519607	111.52	1.00E-09	NA
CL360004	RP44_338P17	T7	3	111566531	111566575	111.57	3.00E-08	NA
CL366129	RP44_358I20	SP6	3	111855854	111855933	111.86	2.00E-17	NA
CL378808	RP44_425C3	SP6	3	112170110	112170220	112.17	3.00E-14	PVRL3
CL336457	RP44_262H18	SP6	3	112218821	112218865	112.22	2.00E-06	NA
CL384041	RP44_327L12	SP6	3	112590518	112590830	112.59	9.00E-08	TACTILE
CL344447	RP44_278F17	SP6	3	112741202	112741876	112.74	2.00E-18	FLJ31579
CL339066	RP44_268C22	T7	3	112992175	112992617	112.99	4.00E-07	FLJ11342
CL340255	RP44_257K19	SP6	3	113120523	113120585	113.12	2.00E-06	NA
CL409351	RP44_417K7	SP6	3	113264349	113264396	113.26	1.00E-12	LOC285335
CL370162	RP44_294B23	SP6	3	113298566	140750493	127.02	6.00E-09	NA
CL353969	RP44_405A3	SP6	3	113347813	113347914	113.35	8.00E-20	MOX2
CL409273	RP44_417K7	T7	3	113492634	113492742	113.49	6.00E-18	NA
CL413099	RP44_432I23	T7	3	113574432	113574517	113.57	7.00E-06	SLC35A5
CL369726	RP44_292E6	SP6	3	113586074	113586163	113.59	5.00E-09	NA
CL362657	RP44_380B15	T7	3	113586074	113586163	113.59	5.00E-09	NA
CL372427	RP44_305L10	T7	3	113598861	113599059	113.60	2.00E-09	NA
CL370184	RP44_294H3	SP6	3	113626118	113626496	113.63	2.00E-11	URB
CL382067	RP44_323E12	SP6	3	113762823	113763137	113.76	2.00E-12	NA
CL381983	RP44_323E12	T7	3	113897452	113925215	113.91	2.00E-27	CD200R
CL349005	RP44_275B19	SP6	3	114097865	114098054	114.10	2.00E-08	NA
CL389089	RP44_286E9	SP6	3	114147222	114147256	114.15	1.00E-09	NA
CL330806	CH242_4H8	SP6	3	114180739	114180992	114.18	3.00E-23	NA
CL385401	RP44_330P19	SP6	3	114205810	114206082	114.21	6.00E-64	NA
CL348923	RP44_275B19	T7	3	114216734	114216993	114.22	1.00E-43	BOC
CL357273	RP44_412F4	SP6	3	114218343	114218500	114.22	1.00E-49	BOC
CL342667	RP44_262F9	SP6	3	114326437	114326713	114.33	7.00E-80	FLJ11142

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL359486	RP44_336F18	SP6	3	114603640	114604139	114.60	2.00E-42	FLJ20174
CL377525	RP44_457A1	T7	3	114604970	114605108	114.61	6.00E-21	FLJ20174
CL346138	RP44_270A13	T7	3	114608167	114608309	114.61	3.00E-43	FLJ20174
CL376874	RP44_445P21	SP6	3	114678688	114678762	114.68	1.00E-09	NA
CL351240	RP44_312A21	SP6	3	114749017	114749128	114.75	8.00E-08	ATP6V1A1
CL346210	RP44_270A13	SP6	3	114844569	114844730	114.84	1.00E-16	DKFZp434C0328
CL381688	RP44_316O5	SP6	3	115115683	115115749	115.12	3.00E-10	NA
CL337893	RP44_265M14	T7	3	115136414	115136571	115.14	2.00E-12	DRD3
CL380753	RP44_314I16	T7	3	115136414	115136571	115.14	2.00E-12	DRD3
CL381602	RP44_316O5	T7	3	115335300	115335713	115.34	2.00E-12	LOC152179
CL338753	RP44_267G23	SP6	3	115471012	115471224	115.47	3.00E-17	ZNF288
CL347238	RP44_272A4	T7	3	115486369	115486611	115.49	1.00E-10	ZNF288
CL409206	RP44_416N10	SP6	3	115606015	115606090	115.61	1.00E-10	ZNF288
CL379077	RP44_426I15	T7	3	115649555	115649877	115.65	2.00E-08	ZNF288
CL375284	RP44_471K2	SP6	3	115650705	115650801	115.65	6.00E-14	ZNF288
CL375295	RP44_471M2	SP6	3	115650705	115651046	115.65	3.00E-17	ZNF288
CL365394	RP44_353D8	T7	3	115697903	115698384	115.70	8.00E-67	ZNF288
CL378930	RP44_425K8	T7	3	115732658	115732931	115.73	2.00E-92	ZNF288
CL335185	RP44_253G23	T7	3	115745895	115746398	115.75	5.00E-49	ZNF288
CL351344	RP44_312A12	SP6	3	115798124	115798173	115.80	2.00E-06	LOC344810
CL379164	RP44_426I15	SP6	3	115834330	115834427	115.83	2.00E-09	LOC344811
CL380312	RP44_428P2	SP6	3	115846772	115846950	115.85	1.00E-28	LOC344811
CL365467	RP44_353D8	SP6	3	115856981	115857587	115.86	2.00E-30	LOC344811
CL378048	RP44_422H14	SP6	3	115888789	115888892	115.89	5.00E-25	LOC344811
CL335252	RP44_253G23	SP6	3	115893851	115894106	115.89	1.00E-15	LOC344811
CL366406	RP44_358H16	SP6	3	115905655	115905885	115.91	5.00E-13	LOC344811
CL345726	RP44_280F17	SP6	3	115969928	115970432	115.97	1.00E-99	NA
CL341354	RP44_260L17	T7	3	116004865	116005019	116.00	2.00E-17	NA
CL322341	RP44_404O6	T7	3	116004865	116005019	116.00	2.00E-17	NA
CL381757	RP44_316O18	T7	3	116095437	116095643	116.10	5.00E-55	LOC351475
CL439998	RP44_299O12	SP6	3	116096846	116097813	116.10	2.00E-74	LOC351475
CL349968	RP44_310C11	SP6	3	116325885	116326033	116.33	4.00E-07	LOC286662
CL332495	CH242_12E3	T7	3	116415622	116416020	116.42	4.00E-66	NA
CL384882	RP44_329H24	T7	3	116452160	116452216	116.45	2.00E-08	NA
CL354497	RP44_407M6	T7	3	116537250	116537761	116.54	5.00E-62	NA
CL353092	RP44_402K6	T7	3	116564659	116564849	116.56	2.00E-26	NA
CL334071	RP44_250L18	SP6	3	116581790	116581895	116.58	2.00E-30	NA
CL352350	RP44_401E21	T7	3	116597283	116597372	116.60	3.00E-15	NA
CL332584	CH242_12E3	SP6	3	116635266	116635462	116.64	1.00E-13	GAP43
CL359455	RP44_336N4	T7	3	116657323	116657475	116.66	6.00E-09	GAP43
CL333995	RP44_250L18	T7	3	116659880	116659975	116.66	2.00E-18	GAP43
CL335666	RP44_253J8	SP6	3	116685378	116685608	116.69	2.00E-52	GAP43
CL354561	RP44_407M6	SP6	3	116724610	116724834	116.72	4.00E-16	NA
CL345417	RP44_280G19	SP6	3	116830062	116830301	116.83	1.00E-65	LSAMP
CL388452	RP44_284L18	T7	3	116830100	116830301	116.83	3.00E-57	LSAMP
CL341006	RP44_258P22	SP6	3	116846217	116846524	116.85	2.00E-42	LSAMP
CL347033	RP44_271H10	SP6	3	116995284	116995381	117.00	8.00E-16	LSAMP
CL374836	RP44_470D8	T7	3	117006948	117007175	117.01	3.00E-35	LSAMP
CL366304	RP44_358B6	T7	3	117046279	117046423	117.05	8.00E-39	LSAMP
CL346953	RP44_271H10	T7	3	117179208	117179267	117.18	8.00E-08	LSAMP
CL359733	RP44_337G12	SP6	3	117251905	117252210	117.25	4.00E-96	LSAMP
CL344476	RP44_278L13	SP6	3	117374003	117374454	117.37	2.00E-24	LSAMP
CL346467	RP44_270F22	T7	3	117513204	117513323	117.51	2.00E-17	NA
CL350689	RP44_311E20	T7	3	117533343	117533850	117.53	1.00E-22	NA
CL344673	RP44_279C15	T7	3	117597183	117597451	117.60	7.00E-21	NA
CL344844	RP44_279G4	T7	3	117597183	117597451	117.60	8.00E-21	NA
CL344748	RP44_279C15	SP6	3	117792941	117793098	117.79	2.00E-15	LOC351476
CL344923	RP44_279G4	SP6	3	117792941	117793098	117.79	2.00E-15	LOC351476
CL413827	RP44_435C10	T7	3	117890057	117890150	117.89	2.00E-08	NA
CL386449	RP44_334C10	T7	3	117979269	117979366	117.98	7.00E-13	LOC286665
CL374607	RP44_470G16	SP6	3	118060757	118061191	118.06	4.00E-71	LOC165656
CL331351	CH242_7D11	T7	3	118078927	118078959	118.08	3.00E-06	LOC165656
CL321940	CH242_15J14	T7	3	118118760	118118887	118.12	1.00E-41	NA
CL386514	RP44_334C10	SP6	3	118122107	118122163	118.12	1.00E-08	NA
CL384817	RP44_329J19	SP6	3	118126057	118126381	118.13	1.00E-16	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL327973	RP44_246P4	T7	3	118134127	118134179	118.13	5.00E-06	NA
CL389835	RP44_287O14	T7	3	118268187	118268317	118.27	9.00E-11	LOC351479
CL321351	CH242_15J14	SP6	3	118285924	118286422	118.29	3.00E-44	LOC351479
CL336531	RP44_263I7	SP6	3	118298922	118298962	118.30	5.00E-06	LOC351479
CL369411	RP44_291E23	SP6	3	118371492	118371603	118.37	3.00E-29	LOC351480
CL355714	RP44_410O13	SP6	3	118430613	118431029	118.43	8.00E-33	LOC351480
CL389920	RP44_287O14	SP6	3	118480646	118481206	118.48	3.00E-88	LOC351481
CL336314	RP44_263I7	T7	3	118499927	118500413	118.50	e-130	LOC351481
CL337495	RP44_264L21	SP6	3	118684722	118685089	118.68	7.00E-46	LOC344921
CL340797	RP44_258B21	SP6	3	118685197	118685266	118.69	1.00E-06	LOC344921
CL322961	RP44_437K16	T7	3	118700380	118700451	118.70	1.00E-17	NA
CL326749	RP44_244M9	SP6	3	118756621	118756926	118.76	4.00E-75	NA
CL326676	RP44_244M9	T7	3	118911001	118911381	118.91	e-120	LOC351483
CL413510	RP44_433K16	SP6	3	119105569	119105669	119.11	3.00E-08	LOC344923
CL341803	RP44_261E22	T7	3	119563963	119564106	119.56	4.00E-41	NA
CL366400	RP44_358F24	SP6	3	119672559	119672627	119.67	1.00E-10	LOC351485
CL325382	RP44_241K21	SP6	3	119973064	119973423	119.97	9.00E-23	IGSF11
CL339724	RP44_256K1	T7	3	120150286	120150346	120.15	6.00E-09	FLJ32859
CL363122	RP44_383C14	T7	3	120335171	120335263	120.34	2.00E-20	CDGAP
CL361772	RP44_351P17	T7	3	120360950	120361193	120.36	1.00E-40	CDGAP
CL351828	RP44_313F19	T7	3	120471343	120471534	120.47	8.00E-63	MDS010
CL377191	RP44_449K10	SP6	3	120644311	120644569	120.64	8.00E-11	COX17
CL366178	RP44_358F3	T7	3	120852149	120852246	120.85	1.00E-06	GSK3B
CL342351	RP44_262I3	SP6	3	121003705	121010198	121.01	3.00E-14	GSK3B
CL342275	RP44_262I3	T7	3	121199705	121199931	121.20	2.00E-24	GABABL
CL338982	RP44_268O9	T7	3	121502447	121502519	121.50	1.00E-06	NA
CL339044	RP44_268O9	SP6	3	121715816	121715879	121.72	4.00E-10	MGC23920
CL364744	RP44_398F9	SP6	3	121895962	121896244	121.90	2.00E-42	NA
CL384286	RP44_328N20	T7	3	121914742	121914879	121.91	7.00E-06	KIAA1006
CL326051	RP44_242F6	SP6	3	122664587	122665069	122.66	1.00E-43	GOLGB1
CL340579	RP44_257F16	T7	3	122762097	122762521	122.76	7.00E-09	NA
CL340653	RP44_257F16	SP6	3	122792177	122792398	122.79	3.00E-17	KIAA0036
CL369040	RP44_290I1	T7	3	122922255	122922431	122.92	9.00E-48	SLC15A2
CL384553	RP44_329A20	T7	3	123020963	123021424	123.02	2.00E-18	MGC50831
CL328591	RP44_248N14	T7	3	123021279	123021424	123.02	2.00E-18	MGC50831
CL367574	RP44_367H23	SP6	3	123106613	123106799	123.11	1.00E-10	CD86
CL382852	RP44_325C22	T7	3	123107094	123107174	123.11	1.00E-06	CD86
CL327597	RP44_246K5	SP6	3	123454389	123454470	123.45	2.00E-08	KPNA1
CL364075	RP44_396C7	T7	3	123516876	123516918	123.52	1.00E-09	NA
CL337286	RP44_264O20	T7	3	123959945	123960233	123.96	3.00E-54	SEMA5B
CL337424	RP44_264N3	T7	3	123969841	123970131	123.97	2.00E-67	SEMA5B
CL376122	RP44_443I22	T7	3	123987029	123987500	123.99	1.00E-37	SEMA5B
CL372326	RP44_305H13	SP6	3	124026769	124026894	124.03	4.00E-35	SEMA5B
CL386236	RP44_333G4	SP6	3	124058647	124059002	124.06	5.00E-25	NA
CL337498	RP44_264N3	SP6	3	124121524	124122157	124.12	1.00E-10	PDIR
CL342013	RP44_261P15	T7	3	124122101	124122156	124.12	7.00E-08	PDIR
CL374603	RP44_470G6	SP6	3	124129614	124129726	124.13	2.00E-20	PDIR
CL357821	RP44_413D2	T7	3	124217650	124217731	124.22	8.00E-07	SEC22L2
CL350668	RP44_311A6	T7	3	124421840	124422301	124.42	3.00E-32	ADCY5
CL387195	RP44_281I17	T7	3	124467379	124467554	124.47	5.00E-22	NA
CL373777	RP44_469I3	SP6	3	124541462	124541494	124.54	5.00E-06	LOC201562
CL357921	RP44_413F12	SP6	3	124659069	124659163	124.66	7.00E-24	MYLK
CL342666	RP44_262F7	SP6	3	124695537	124695625	124.70	4.00E-10	MYLK
CL357873	RP44_413L22	T7	3	125478842	125478943	125.48	4.00E-16	HAPIP
CL360424	RP44_339G14	SP6	3	125507961	125508440	125.51	7.00E-18	HAPIP
CL360532	RP44_339B13	SP6	3	125508336	125508440	125.51	5.00E-18	HAPIP
CL384743	RP44_329J23	T7	3	125520376	125520835	125.52	4.00E-38	NA
CL357959	RP44_413L22	SP6	3	125655464	125655554	125.66	1.00E-07	TRAD
CL335059	RP44_252P19	T7	3	125725855	125726444	125.73	3.00E-60	NA
CL349352	RP44_309C1	SP6	3	126167257	126167314	126.17	1.00E-06	SLC12A8
CL377578	RP44_457K3	T7	3	126355542	126355598	126.36	3.00E-08	ZNF148
CL380702	RP44_429H3	T7	3	126401945	126402266	126.40	1.00E-65	LOC344727
CL343765	RP44_277I12	T7	3	126435150	126435252	126.44	7.00E-15	LOC344727
CL374142	RP44_469P1	SP6	3	127758796	127758885	127.76	1.00E-18	MGC13016
CL336683	RP44_263E24	SP6	3	128354098	128354159	128.35	6.00E-09	LOC351490

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL350163	RP44_310I14	SP6	3	128404641	128404944	128.40	1.00E-95	NA
CL346379	RP44_270F19	SP6	3	128437200	128437295	128.44	3.00E-06	LOC351491
CL341659	RP44_261I1	T7	3	128676718	128677039	128.68	1.00E-37	ABTB1
CL331531	CH242_8K23	T7	3	129074284	129074357	129.07	3.00E-07	RUVBL1
CL345707	RP44_280D3	SP6	3	129399643	129399689	129.40	1.00E-09	SELB
CL387064	RP44_280B4	SP6	3	129399643	129399691	129.40	6.00E-11	SELB
CL387107	RP44_280J4	SP6	3	129399643	129399691	129.40	9.00E-11	SELB
CL360823	RP44_341J20	SP6	3	129807995	129808134	129.81	1.00E-36	RAB7
CL337613	RP44_264F16	SP6	3	130177013	130177102	130.18	2.00E-08	ZNF9
CL373152	RP44_307L17	SP6	3	130251323	130252856	130.25	4.00E-41	COPG
CL338768	RP44_267K13	SP6	3	130298795	130298997	130.30	2.00E-54	DC12
CL372321	RP44_305H3	SP6	3	130502236	130502408	130.50	3.00E-26	WDR10
CL380069	RP44_428B13	SP6	3	131252843	131252936	131.25	1.00E-13	NA
CL373007	RP44_307B5	T7	3	131376895	131564124	131.47	3.00E-20	NA
CL379990	RP44_428B13	T7	3	131388915	131568602	131.48	4.00E-43	NA
CL334639	RP44_251F12	SP6	3	131456007	131456229	131.46	2.00E-24	FLJ35880
CL320756	CH242_13K13	SP6	3	131792931	131793010	131.79	1.00E-10	NA
CL332999	CH242_12F24	SP6	3	131896530	131896876	131.90	3.00E-11	ATP2C1
CL339734	RP44_256K23	T7	3	131966666	131966762	131.97	6.00E-06	ATP2C1
CL387252	RP44_281G3	SP6	3	132136718	132137443	132.14	5.00E-19	NEK11
CL370361	RP44_295H5	T7	3	132319377	132319422	132.32	2.00E-09	NEK11
CL330333	CH242_3D12	T7	3	132350004	132350194	132.35	2.00E-21	NEK11
CL380190	RP44_428J2	T7	3	132740009	138691243	135.72	3.00E-20	CPNE4
CL357049	RP44_412H9	T7	3	133084009	133084059	133.08	3.00E-07	NA
CL329051	RP44_382P3	T7	3	133447774	133447930	133.45	2.00E-77	FLJ25863
CL344096	RP44_278A19	SP6	3	133494552	133495061	133.49	5.00E-53	KIAA0678
CL329052	RP44_382P3	SP6	3	133603672	133603828	133.60	2.00E-46	FLJ12592
CL411871	RP44_430G5	SP6	3	133776985	133777061	133.78	1.00E-09	LOC348808
CL439929	RP44_297N14	SP6	3	133916056	133916105	133.92	9.00E-07	NA
CL336738	RP44_263B1	T7	3	133952501	133952649	133.95	2.00E-08	NA
CL368538	RP44_289E16	T7	3	134060315	134060786	134.06	2.00E-24	MGC3040
CL344422	RP44_278B11	SP6	3	134104919	134104969	134.10	8.00E-10	MGC3040
CL336813	RP44_263B1	SP6	3	134135487	134135528	134.14	9.00E-14	MGC3040
CL357091	RP44_412P7	T7	3	134135487	134135528	134.14	6.00E-14	MGC3040
CL370247	RP44_295E1	T7	3	134161030	134161109	134.16	9.00E-06	MGC3040
CL363176	RP44_383O10	T7	3	134230629	134231062	134.23	2.00E-70	MGC3040
CL363022	RP44_383O11	T7	3	134230629	134231062	134.23	2.00E-70	MGC3040
CL344337	RP44_278B11	T7	3	134283813	134284012	134.28	9.00E-35	MGC3040
CL343937	RP44_277N19	T7	3	134453644	134453764	134.45	2.00E-20	MGC2848
CL344411	RP44_278P9	T7	3	134522401	134522953	134.52	3.00E-20	NA
CL378815	RP44_425C17	SP6	3	134618471	134619009	134.62	3.00E-79	TOPBP1
CL344006	RP44_277N19	SP6	3	134619953	134620658	134.62	7.00E-24	TOPBP1
CL353814	RP44_403L18	T7	3	134709322	134709398	134.71	2.00E-15	LOC344570
CL370124	RP44_294J5	T7	3	134827141	134827301	134.83	9.00E-52	LOC151610
CL340915	RP44_258L22	T7	3	134914585	134914629	134.91	6.00E-06	NA
CL380004	RP44_428F5	T7	3	135028300	135028894	135.03	1.00E-06	SLC21A2
CL339194	RP44_268B21	T7	3	135057853	135057897	135.06	2.00E-08	LOC344571
CL339273	RP44_268B21	SP6	3	135243750	135243881	135.24	3.00E-29	RYK
CL324299	RP44_474K10	T7	3	135670644	135670778	135.67	3.00E-14	LOC351502
CL354271	RP44_406I5	T7	3	135716249	135716359	135.72	5.00E-12	LOC351502
CL324300	RP44_474K10	SP6	3	135871513	135871642	135.87	1.00E-06	EPHB1
CL414200	RP44_436I14	T7	3	136129801	136129861	136.13	2.00E-08	EPHB1
CL355074	RP44_409O21	T7	3	136459136	136459391	136.46	e-115	NA
CL377124	RP44_449O8	T7	3	137134466	137134884	137.13	4.00E-07	PPP2R3A
CL326179	RP44_243O1	T7	3	137178536	137178931	137.18	4.00E-47	FLJ10546
CL377212	RP44_449O8	SP6	3	137347200	137348003	137.35	6.00E-09	STAG1
CL360896	RP44_343K19	T7	3	137422144	137422280	137.42	1.00E-11	STAG1
CL353808	RP44_403L4	T7	3	137446205	137446242	137.45	2.00E-06	STAG1
CL358783	RP44_415G14	T7	3	137705488	137705536	137.71	1.00E-10	STAG1
CL352561	RP44_401M22	SP6	3	137718332	137718630	137.72	5.00E-06	STAG1
CL439790	RP44_297B20	T7	3	138038771	138038823	138.04	2.00E-08	NA
CL386864	RP44_335I11	T7	3	138267588	138267682	138.27	1.00E-07	LOC351505
CL332991	CH242_12F4	SP6	3	138341000	138341111	138.34	2.00E-08	LOC351505
CL364118	RP44_396K9	T7	3	138723610	138723638	138.72	4.00E-06	NA
CL335625	RP44_253P12	T7	3	139038974	139039022	139.04	2.00E-06	LOC344830

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL373339	RP44_308B3	T7	3	139047808	139047958	139.05	1.00E-12	LOC344830
CL351601	RP44_313I19	SP6	3	139108717	139109119	139.11	3.00E-23	FLJ32844
CL413333	RP44_432L16	SP6	3	139219496	139219734	139.22	5.00E-06	DKFZP434A043
CL321016	CH242_15C16	SP6	3	139350567	139350835	139.35	7.00E-24	MRAS
CL413256	RP44_432L16	T7	3	139366045	139366093	139.37	6.00E-06	MRAS
CL384894	RP44_329L12	T7	3	139400934	139401073	139.40	5.00E-49	MRAS
CL321015	CH242_15C16	T7	3	139494691	139495071	139.49	1.00E-56	BITE
CL344657	RP44_278P24	SP6	3	139733806	139734488	139.73	2.00E-37	PIK3CB
CL413376	RP44_433C8	T7	3	139774824	139774922	139.77	6.00E-12	PIK3CB
CL349445	RP44_309E18	T7	3	139849776	139849901	139.85	2.00E-15	NA
CL344581	RP44_278P24	T7	3	139929449	139929560	139.93	3.00E-14	LOC344831
CL352490	RP44_401K20	T7	3	139938385	139938453	139.94	4.00E-06	LOC344831
CL413464	RP44_433C8	SP6	3	139948909	139949128	139.95	2.00E-08	LOC348809
CL371769	RP44_304H19	T7	3	140160368	140160937	140.16	2.00E-06	MRPS22
CL439967	RP44_299I4	SP6	3	140206202	140206276	140.21	2.00E-06	MRPS22
CL325719	RP44_242I21	T7	3	140309516	140309732	140.31	5.00E-29	MRPS22
CL387624	RP44_282A9	T7	3	140311209	140311287	140.31	6.00E-11	MRPS22
CL328268	RP44_248K14	T7	3	140456570	140456707	140.46	1.00E-13	RBP2
CL328348	RP44_248K14	SP6	3	140644370	140644501	140.64	1.00E-19	NA
CL361684	RP44_351M21	SP6	3	140655824	140656444	140.66	e-106	NA
CL361599	RP44_351M21	T7	3	140655824	140656481	140.66	e-106	NA
CL387951	RP44_284E3	T7	3	140655907	140656444	140.66	6.00E-98	NA
CL388247	RP44_284F3	T7	3	140656055	140656444	140.66	2.00E-23	NA
CL328932	RP44_382B23	SP6	3	140656630	140656879	140.66	5.00E-37	NA
CL363592	RP44_388N22	T7	3	140672119	140672439	140.67	2.00E-32	NA
CL374331	RP44_470C23	T7	3	140805047	140805245	140.81	6.00E-27	NA
CL330216	CH242_3N3	T7	3	140893644	140893693	140.89	5.00E-09	NA
CL324894	RP44_478D2	SP6	3	140932023	140932097	140.93	2.00E-07	NA
CL350558	RP44_311I11	T7	3	141073200	141073310	141.07	1.00E-14	CLSTN2
CL361136	RP44_344H14	T7	3	141149065	141149171	141.15	2.00E-21	CLSTN2
CL361207	RP44_344H14	SP6	3	141312330	141312589	141.31	8.00E-42	CLSTN2
CL353417	RP44_403C19	T7	3	141688263	141688841	141.69	e-158	TRIM42
CL389102	RP44_286G13	SP6	3	141912303	141912491	141.91	8.00E-30	NA
CL389134	RP44_286M13	SP6	3	141912303	141912491	141.91	1.00E-22	NA
CL332024	CH242_10M19	T7	3	141965258	141965620	141.97	3.00E-20	FLJ10618
CL375771	RP44_436J12	SP6	3	142010293	142010529	142.01	5.00E-06	NA
CL359640	RP44_337M23	SP6	3	142116405	142116600	142.12	2.00E-35	SSB4
CL381275	RP44_315P7	T7	3	142278792	142278962	142.28	3.00E-47	FLJ23751
CL413392	RP44_433E16	T7	3	142446864	142447410	142.45	e-133	FLJ31131
CL381361	RP44_315P7	SP6	3	142447757	142448320	142.45	3.00E-48	FLJ31131
CL337564	RP44_264L6	T7	3	142448425	142448921	142.45	e-138	FLJ31131
CL342820	RP44_275B8	SP6	3	142713694	142713754	142.71	6.00E-09	NA
CL320966	CH242_15M19	SP6	3	142791619	142791662	142.79	3.00E-10	GPRK7
CL379096	RP44_426M13	T7	3	142968083	142968133	142.97	8.00E-12	TFDP2
CL409666	RP44_417B10	T7	3	143028442	143028839	143.03	7.00E-85	TFDP2
CL320963	CH242_15M13	SP6	3	143158220	143159138	143.16	2.00E-09	NA
CL376845	RP44_445L5	SP6	3	143177931	143178024	143.18	2.00E-22	MGC40579
CL380260	RP44_428F8	SP6	3	143352710	143352805	143.35	4.00E-10	1-Sep
CL321874	CH242_15M13	T7	3	143375687	143375769	143.38	2.00E-09	1-Sep
CL337238	RP44_264E4	T7	3	143404116	143404215	143.40	3.00E-41	1-Sep
CL340311	RP44_257G22	T7	3	143427028	143427306	143.43	9.00E-51	1-Sep
CL380351	RP44_429E17	T7	3	143532917	143532987	143.53	4.00E-07	ATR
CL340383	RP44_257G22	SP6	3	143661256	143661708	143.66	6.00E-70	PLS1
CL380438	RP44_429E17	SP6	3	143689965	143690032	143.69	2.00E-08	PLS1
CL336824	RP44_263D5	SP6	3	143689965	143690064	143.69	9.00E-11	PLS1
CL378929	RP44_425I24	T7	3	143697526	143697593	143.70	2.00E-12	PLS1
CL389666	RP44_287K19	T7	3	143727474	143727580	143.73	9.00E-08	TRPC1
CL362230	RP44_375H12	T7	3	143792010	143792090	143.79	2.00E-14	TRPC1
CL336745	RP44_263D5	T7	3	143879723	143880681	143.88	3.00E-23	PCOLCE2
CL348034	RP44_273P2	T7	3	143951690	143951731	143.95	6.00E-09	NA
CL359855	RP44_338A21	SP6	3	143951690	143951855	143.95	7.00E-09	NA
CL373220	RP44_308I2	T7	3	144078998	144079078	144.08	2.00E-15	NA
CL333505	RP44_249N6	SP6	3	144078998	144079401	144.08	1.00E-13	NA
CL359774	RP44_338A21	T7	3	144124185	144124225	144.12	5.00E-06	NA
CL333010	CH242_12J4	SP6	3	144223369	144223475	144.22	3.00E-14	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL412499	RP44_431E5	SP6	3	144284297	144284919	144.28	e-119	FLJ35613
CL333813	RP44_250F3	T7	3	144352084	144352385	144.35	7.00E-64	FLJ35613
CL368106	RP44_288L11	T7	3	144352084	144352385	144.35	7.00E-64	FLJ35613
CL388476	RP44_284B8	SP6	3	144750189	144750250	144.75	8.00E-07	FLJ35613
CL331166	CH242_6P5	SP6	3	144779029	144779126	144.78	5.00E-16	FLJ35613
CL329811	CH242_3A1	T7	3	144795442	144795538	144.80	6.00E-37	FLJ35613
CL357558	RP44_413M18	T7	3	144830810	144831008	144.83	2.00E-12	FLJ35613
CL335664	RP44_253J4	SP6	3	144980074	144980349	144.98	6.00E-21	MGC33365
CL377382	RP44_449B10	T7	3	145001597	145001638	145.00	2.00E-06	NA
CL388035	RP44_284G17	SP6	3	145050816	145050899	145.05	6.00E-15	NA
CL335596	RP44_253J4	T7	3	145152604	145152790	145.15	1.00E-13	NA
CL388576	RP44_285G1	T7	3	145276809	145277012	145.28	6.00E-09	NA
CL347255	RP44_272C20	T7	3	145293725	145294123	145.29	3.00E-11	NA
CL364313	RP44_396A8	SP6	3	145517167	145517667	145.52	e-135	NA
CL388653	RP44_285G1	SP6	3	145517167	145517707	145.52	e-135	NA
CL347341	RP44_272C20	SP6	3	145530200	145530488	145.53	4.00E-07	NA
CL342231	RP44_261P14	SP6	3	145682002	145682102	145.68	2.00E-08	NA
CL323946	RP44_463A6	T7	3	146006163	146006258	146.01	1.00E-12	LOC351510
CL371291	RP44_302B7	T7	3	146091959	146092260	146.09	2.00E-18	LOC351510
CL365554	RP44_354E3	T7	3	146202848	146203010	146.20	3.00E-08	LOC351510
CL337775	RP44_265G3	SP6	3	146203506	146203843	146.20	3.00E-17	LOC351510
CL357710	RP44_413L19	T7	3	146474762	146474823	146.47	6.00E-12	NA
CL329795	RP44_394P8	T7	3	146683397	146683486	146.68	3.00E-07	LOC285328
CL373824	RP44_469A8	T7	3	146760393	146760570	146.76	7.00E-06	NA
CL373907	RP44_469A8	SP6	3	146959773	146960261	146.96	2.00E-30	LOC344794
CL327017	RP44_244H10	SP6	3	146967583	146967760	146.97	3.00E-23	LOC344794
CL356583	RP44_411P13	SP6	3	146967583	146967760	146.97	3.00E-23	LOC344794
CL379363	RP44_426L23	T7	3	146980302	146980790	146.98	2.00E-71	NA
CL334773	RP44_252A5	SP6	3	146980329	146980790	146.98	6.00E-64	NA
CL381661	RP44_316I19	SP6	3	147072673	147072960	147.07	2.00E-27	PLOD2
CL334692	RP44_252A5	T7	3	147153958	147154205	147.15	4.00E-19	PLOD2
CL333951	RP44_250D6	T7	3	147229891	147229950	147.23	9.00E-08	PLSCR4
CL370826	RP44_300B5	T7	3	147282161	147383158	147.33	3.00E-29	NA
CL413985	RP44_435L11	T7	3	147283982	147284046	147.28	6.00E-11	NA
CL390021	RP44_287F22	SP6	3	147973116	147973318	147.97	1.00E-33	NA
CL329076	RP44_382B8	SP6	3	148141246	148141440	148.14	1.00E-13	NA
CL360395	RP44_339O6	T7	3	148352839	148353238	148.35	1.00E-09	NA
CL341967	RP44_261F21	T7	3	148458139	148458816	148.46	3.00E-48	LOC339899
CL371575	RP44_302P16	SP6	3	148458231	148458646	148.46	8.00E-17	LOC339899
CL321983	RP44_399B9	SP6	3	148514851	148515076	148.51	7.00E-24	NA
CL343303	RP44_276N7	T7	3	148679849	148679961	148.68	1.00E-13	LOC339900
CL320641	CH242_13A5	T7	3	148897216	148897910	148.90	e-166	NA
CL343384	RP44_276N7	SP6	3	148900985	148901059	148.90	2.00E-09	NA
CL376478	RP44_444D12	T7	3	148969873	148970013	148.97	4.00E-24	LOC344740
CL379987	RP44_428B7	T7	3	149064572	149064683	149.06	6.00E-06	NA
CL325001	RP44_478N24	T7	3	149064572	149064683	149.06	6.00E-06	NA
CL362833	RP44_380J22	T7	3	149139057	149139438	149.14	7.00E-06	NA
CL385233	RP44_330I16	SP6	3	149389235	149389358	149.39	5.00E-10	LOC351512
CL344481	RP44_278L23	SP6	3	149401576	149402009	149.40	e-157	NA
CL338827	RP44_267G10	T7	3	149509275	149509529	149.51	2.00E-09	LOC351513
CL375671	RP44_436F16	T7	3	149509275	149509720	149.51	4.00E-66	LOC351513
CL326806	RP44_244I8	T7	3	149585431	149585464	149.59	1.00E-06	LOC351513
CL324400	RP44_474F12	SP6	3	149644455	149644543	149.64	1.00E-15	NA
CL375753	RP44_436F16	SP6	3	149729633	149729702	149.73	1.00E-06	AGTR1
CL349370	RP44_309G9	SP6	3	149748169	149748438	149.75	1.00E-10	NA
CL328404	RP44_248H17	T7	3	149764823	149765317	149.77	3.00E-11	LOC351514
CL324399	RP44_474F12	T7	3	149830226	149830464	149.83	3.00E-53	CPB1
CL351468	RP44_313A1	T7	3	149884747	149885573	149.89	3.00E-20	CPA3
CL338259	RP44_265F16	SP6	3	149958038	149958088	149.96	4.00E-07	LOC344743
CL341583	RP44_260J18	SP6	3	149998590	149998752	150.00	7.00E-18	GYG
CL351721	RP44_313A2	SP6	3	150018012	150018088	150.02	5.00E-06	GYG
CL338178	RP44_265F16	T7	3	150139359	150139842	150.14	e-170	HPS3
CL341502	RP44_260J18	T7	3	150163224	150163736	150.16	5.00E-34	CP
CL332658	CH242_12C2	T7	3	150172713	150173161	150.17	5.00E-16	CP
CL414459	RP44_436L23	SP6	3	150560072	150560358	150.56	2.00E-82	TAZ

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CL337611	RP44_264F12	SP6	3	150646765	150646853	150.65	3.00E-13	TAZ
CL387021	RP44_335I16	T7	3	150734287	150734353	150.73	1.00E-16	NA
CL384489	RP44_329E11	SP6	3	150753193	150753320	150.75	2.00E-14	NA
CL343910	RP44_277J1	T7	3	150753193	150753320	150.75	2.00E-14	NA
CL342729	RP44_262B6	T7	3	150775088	150775162	150.78	2.00E-09	NA
CL345505	RP44_280K2	T7	3	151107413	151107855	151.11	e-117	NA
CL346919	RP44_271B6	T7	3	151272104	151272404	151.27	3.00E-20	LOC344748
CL338277	RP44_265J12	SP6	3	151310051	151310324	151.31	3.00E-42	LOC344749
CL346999	RP44_271B6	SP6	3	151455390	151456120	151.46	1.00E-07	KIAA0669
CL338134	RP44_265N7	SP6	3	151973135	151973182	151.97	3.00E-10	UCRP
CL386282	RP44_333O22	SP6	3	152190113	152190340	152.19	3.00E-60	TRALPUSH
CL360610	RP44_340D22	T7	3	152210505	152210737	152.21	7.00E-15	TRALPUSH
CL369408	RP44_291E17	SP6	3	152213310	152213438	152.21	5.00E-23	GPR105
CL386208	RP44_333O22	T7	3	152293905	152294458	152.29	0	GPR87
CL379903	RP44_428A20	SP6	3	152426895	152426985	152.43	2.00E-09	TRALPUSH
CL351079	RP44_311D20	SP6	3	152557626	152558522	152.56	1.00E-22	NA
CL333407	RP44_249J4	T7	3	152657955	152658485	152.66	1.00E-07	NA
CL361859	RP44_353A19	T7	3	152659346	152659417	152.66	4.00E-10	NA
CL322025	RP44_399F17	T7	3	153028543	153028747	153.03	1.00E-23	LOC351518
CL376429	RP44_444F13	T7	3	153096661	153096979	153.10	2.00E-60	NA
CL342460	RP44_262M10	T7	3	153247318	153247443	153.25	1.00E-16	NA
CL329818	CH242_3A19	T7	3	153363618	153364141	153.36	6.00E-28	MBNL1
CL410566	RP44_419B7	T7	3	153392141	153392285	153.39	3.00E-16	MBNL1
CL414118	RP44_436C7	T7	3	153460243	153460409	153.46	2.00E-11	MBNL1
CL320996	CH242_15A20	T7	3	153485800	153485877	153.49	1.00E-06	NA
CL374573	RP44_470A12	SP6	3	153719250	153719504	153.72	6.00E-09	LOC344753
CL322084	RP44_399L7	T7	3	153756518	153756876	153.76	7.00E-24	NA
CL388071	RP44_284A2	T7	3	153859486	153859610	153.86	1.00E-06	NA
CL322654	RP44_416G8	SP6	3	153881492	153881623	153.88	1.00E-10	NA
CL388148	RP44_284A2	SP6	3	154015285	154015401	154.02	4.00E-11	LOC344754
CL326662	RP44_244I23	T7	3	154131113	154131211	154.13	2.00E-15	NA
CL408937	RP44_416B3	SP6	3	154176075	154176576	154.18	3.00E-14	NA
CL351062	RP44_311B6	SP6	3	154288707	154288811	154.29	2.00E-06	NA
CL364393	RP44_396B9	T7	3	154328807	154329021	154.33	3.00E-12	NA
CL320574	CH242_10J16	SP6	3	154437784	154438330	154.44	e-152	NA
CL410139	RP44_418L11	T7	3	154639129	154639172	154.64	8.00E-08	NA
CL386344	RP44_333N2	T7	3	154639129	154639423	154.64	6.00E-28	NA
CL320573	CH242_10J16	T7	3	154695173	154695410	154.70	9.00E-33	LOC339889
CL383714	RP44_327E19	SP6	3	155175203	155175301	155.18	7.00E-10	DKFZP434D146
CL373397	RP44_308N11	T7	3	155177099	155177233	155.18	3.00E-20	RH_II/GuBp2
CL369257	RP44_290A12	SP6	3	155252222	155252593	155.25	8.00E-24	DKFZP434D146
CL373474	RP44_308N11	SP6	3	155387228	155387788	155.39	3.00E-07	PGR10
CL349850	RP44_309L4	SP6	3	155465236	155465277	155.47	1.00E-06	NA
CL369166	RP44_290A12	T7	3	155496252	155496673	155.50	2.00E-18	NA
CL357717	RP44_413N15	T7	3	155538822	155538864	155.54	6.00E-12	NA
CL349193	RP44_308B20	SP6	3	155588318	155588551	155.59	3.00E-57	LOC351520
CL357798	RP44_413N15	SP6	3	155731985	155732064	155.73	7.00E-15	LOC351521
CL382517	RP44_324M13	SP6	3	155897072	155898051	155.90	9.00E-24	LOC344759
CL349397	RP44_309K21	SP6	3	155931720	155931861	155.93	8.00E-21	LOC344759
CL413326	RP44_432J24	SP6	3	155972707	155973295	155.97	7.00E-55	NA
CL383255	RP44_325D6	SP6	3	155973250	155973295	155.97	7.00E-09	NA
CL378673	RP44_424F6	SP6	3	155973250	155973295	155.97	6.00E-09	NA
CL378609	RP44_424F6	T7	3	156139655	156140360	156.14	1.00E-19	MME
CL327147	RP44_245E3	SP6	3	156189794	156190034	156.19	8.00E-61	NA
CL327159	RP44_245G7	SP6	3	156189795	156190034	156.19	7.00E-55	NA
CL326024	RP44_242P9	SP6	3	156293580	156293852	156.29	3.00E-44	NA
CL345276	RP44_279P14	SP6	3	156447648	156447706	156.45	4.00E-07	KIAA1069
CL386133	RP44_332P12	SP6	3	156575368	156575888	156.58	6.00E-15	KIAA1069
CL345195	RP44_279P14	T7	3	156646868	156647554	156.65	4.00E-10	KIAA1069
CL356353	RP44_411E8	T7	3	156673109	156673240	156.67	2.00E-25	KIAA1069
CL386524	RP44_334E8	SP6	3	156673125	156673275	156.67	3.00E-34	KIAA1069
CL387537	RP44_281P21	T7	3	156673352	156673883	156.67	3.00E-20	KIAA1069
CL352882	RP44_401N24	SP6	3	156702703	156702968	156.70	1.00E-31	LOC351522
CL340885	RP44_258F6	T7	3	156725816	156725862	156.73	3.00E-07	LOC351522
CL344656	RP44_278P22	SP6	3	156738458	156738960	156.74	2.00E-18	LOC351522

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL344580	RP44_278P22	T7	3	156942956	156943131	156.94	1.00E-07	NA
CL344556	RP44_278L20	T7	3	156942956	156943579	156.94	1.00E-07	NA
CL330015	CH242_3G14	T7	3	156990877	156991143	156.99	5.00E-06	NA
CL344965	RP44_279O4	SP6	3	157138450	157138698	157.14	3.00E-20	KCNAB1
CL410545	RP44_419K16	SP6	3	157396301	157396470	157.40	1.00E-24	KCNAB1
CL355698	RP44_410K17	SP6	3	157483048	157483468	157.48	2.00E-11	KCNAB1
CL375252	RP44_471C18	SP6	3	157483056	157483478	157.48	9.00E-17	KCNAB1
CL342830	RP44_275D12	SP6	3	157667182	157667285	157.67	2.00E-06	NA
CL389291	RP44_286M12	SP6	3	157704111	157704656	157.70	0	DKFZP434J214
CL353131	RP44_402C8	SP6	3	157760120	157760698	157.76	3.00E-75	NA
CL413678	RP44_433P2	SP6	3	157769433	157769679	157.77	2.00E-24	NA
CL349212	RP44_308F12	SP6	3	157789472	157789608	157.79	3.00E-13	NA
CL349091	RP44_275D12	T7	3	157808023	157808075	157.81	1.00E-10	NA
CL389213	RP44_286M12	T7	3	157891951	157892411	157.89	6.00E-15	LOC152084
CL388386	RP44_284P5	SP6	3	157978631	157978985	157.98	1.00E-17	LOC152084
CL439863	RP44_297P20	T7	3	158026025	158026375	158.03	5.00E-25	LOC339893
CL346102	RP44_269L13	SP6	3	158048367	158048642	158.05	1.00E-12	LOC339893
CL348452	RP44_274F8	T7	3	158058454	158059083	158.06	e-121	LOC339893
CL382446	RP44_324A1	SP6	3	158086591	158086650	158.09	6.00E-15	LOC339894
CL439939	RP44_297P20	SP6	3	158176154	158176221	158.18	4.00E-10	NA
CL348525	RP44_274F8	SP6	3	158256003	158256418	158.26	3.00E-11	NA
CL374175	RP44_469F6	T7	3	158288194	158288739	158.29	3.00E-91	FLJ12604
CL334546	RP44_251N23	SP6	3	158373117	158373221	158.37	9.00E-06	FLJ12604
CL374253	RP44_469F6	SP6	3	158439666	158439944	158.44	9.00E-08	PTX3
CL332162	CH242_10E24	T7	3	158588513	158588762	158.59	2.00E-27	LOC152078
CL385096	RP44_330K19	SP6	3	158765886	158766022	158.77	1.00E-37	NA
CL347932	RP44_273I6	SP6	3	158765910	158766022	158.77	4.00E-25	NA
CL385095	RP44_330K17	SP6	3	158765974	158766022	158.77	8.00E-11	NA
CL332252	CH242_10E24	SP6	3	158809208	158809661	158.81	7.00E-58	NA
CL322934	RP44_437G12	SP6	3	158855852	158856551	158.86	e-102	NA
CL347858	RP44_273I6	T7	3	158936224	158936370	158.94	7.00E-17	NA
CL385027	RP44_330K19	T7	3	158942174	158942280	158.94	4.00E-13	NA
CL374915	RP44_470D12	SP6	3	158983419	158983493	158.98	9.00E-10	NA
CL333052	CH242_12P22	SP6	3	158998997	159000641	159.00	4.00E-19	NA
CL410179	RP44_418D18	T7	3	159004816	159005289	159.01	e-128	NA
CL410263	RP44_418D18	SP6	3	159163603	159163713	159.16	1.00E-28	LOC51319
CL384946	RP44_329J2	SP6	3	159386280	159386334	159.39	3.00E-07	LOC51319
CL370351	RP44_295D5	T7	3	159461421	159461469	159.46	2.00E-08	LOC51319
CL357071	RP44_412L9	T7	3	159461421	159461469	159.46	1.00E-08	LOC51319
CL371648	RP44_304O10	T7	3	159461686	159462076	159.46	1.00E-28	LOC51319
CL359128	RP44_335H12	T7	3	159461686	159462076	159.46	1.00E-28	LOC51319
CL347753	RP44_273C13	SP6	3	159540901	159540933	159.54	3.00E-06	LOC51319
CL371725	RP44_304O10	SP6	3	159667315	159668389	159.67	1.00E-10	LXN
CL352843	RP44_401H2	SP6	3	159670953	159671120	159.67	3.00E-10	LXN
CL410543	RP44_419K8	SP6	3	159675013	159675211	159.68	2.00E-15	EFG1
CL365977	RP44_356D2	SP6	3	159762412	159762763	159.76	3.00E-07	LOC344765
CL352762	RP44_401H2	T7	3	159835166	159835207	159.84	1.00E-06	LOC344767
CL336279	RP44_255L13	SP6	3	159947427	159947753	159.95	2.00E-24	NA
CL336202	RP44_255L13	T7	3	160122024	160122487	160.12	e-120	NA
CL354488	RP44_407K10	T7	3	160298781	160298859	160.30	4.00E-10	SCHIP1
CL356041	RP44_410B4	T7	3	160365161	160365235	160.37	2.00E-14	SCHIP1
CL339287	RP44_268F3	SP6	3	160561385	160561841	160.56	2.00E-33	SCHIP1
CL412258	RP44_430F18	T7	3	160694916	160694994	160.69	2.00E-09	SCHIP1
CL339204	RP44_268F3	T7	3	160761333	160761855	160.76	3.00E-26	SCHIP1
CL341744	RP44_261I23	SP6	3	160790157	160790362	160.79	1.00E-10	SCHIP1
CL412342	RP44_430F18	SP6	3	160901371	160901874	160.90	2.00E-33	NA
CL367168	RP44_365A1	T7	3	160975452	160975768	160.98	3.00E-35	NA
CL368542	RP44_289G2	T7	3	160995194	160995256	161.00	2.00E-14	IL12A
CL410985	RP44_420K21	SP6	3	161275251	161275818	161.28	2.00E-06	KIAA1374
CL371439	RP44_302P7	SP6	3	161406412	161406656	161.41	6.00E-12	SMC4L1
CL371440	RP44_302P9	SP6	3	161406412	161406656	161.41	7.00E-12	SMC4L1
CL412178	RP44_430D17	T7	3	161432767	161433114	161.43	3.00E-19	SMC4L1
CL346556	RP44_270H16	SP6	3	161569168	161569199	161.57	7.00E-08	NA
CL412095	RP44_430D17	SP6	3	161575512	161575565	161.58	2.00E-11	NA
CL371360	RP44_302P9	T7	3	161599609	161599963	161.60	1.00E-44	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL361249	RP44_344P20	SP6	3	161823317	161823921	161.82	7.00E-15	NA
CL348428	RP44_274P7	SP6	3	161826894	161827705	161.83	6.00E-18	NA
CL347964	RP44_273O24	SP6	3	161864330	161864592	161.86	5.00E-14	PP2CE
CL328392	RP44_248F15	T7	3	161906997	161907041	161.91	6.00E-06	PP2CE
CL346832	RP44_271P17	T7	3	162042939	162043182	162.04	1.00E-07	PP2CE
CL355288	RP44_409O6	SP6	3	162294031	162294133	162.29	7.00E-12	NA
CL413527	RP44_433O6	SP6	3	162294031	162294133	162.29	7.00E-12	NA
CL355207	RP44_409O6	T7	3	162451778	162451858	162.45	6.00E-06	NA
CL385168	RP44_330K24	T7	3	162496997	162497187	162.50	5.00E-28	LOC131149
CL332738	CH242_12A10	SP6	3	162561091	162561348	162.56	2.00E-27	NA
CL389749	RP44_287O5	SP6	3	162576189	162576491	162.58	e-101	NA
CL372243	RP44_305H15	T7	3	162621968	162622083	162.62	3.00E-10	NA
CL324747	RP44_477P15	SP6	3	163019721	163019860	163.02	4.00E-06	NA
CL341367	RP44_260N23	T7	3	163035235	163035263	163.04	5.00E-06	NA
CL375001	RP44_471E13	T7	3	163442828	163442939	163.44	3.00E-10	LOC339839
CL375086	RP44_471E13	SP6	3	163678217	163678667	163.68	1.00E-92	NA
CL334365	RP44_251G16	SP6	3	163681410	163681457	163.68	1.00E-07	NA
CL337267	RP44_264K10	T7	3	164580195	164580261	164.58	1.00E-07	LOC256660
CL371224	RP44_302C22	SP6	3	164750568	164750704	164.75	3.00E-11	LOC256660
CL370140	RP44_294L19	T7	3	165074966	165075072	165.08	4.00E-21	NA
CL330352	CH242_3H2	T7	3	165339777	165340334	165.34	7.00E-83	NA
CL379964	RP44_428M6	SP6	3	165642193	165642373	165.64	5.00E-19	NA
CL385922	RP44_332P23	T7	3	165733944	165734156	165.73	9.00E-11	LOC351384
CL354049	RP44_405A22	T7	3	165793672	165793867	165.79	1.00E-41	LOC351384
CL379877	RP44_428M6	T7	3	165823995	165824252	165.82	3.00E-45	NA
CL367515	RP44_367N9	T7	3	165945395	165945560	165.95	6.00E-31	NA
CL351735	RP44_313C12	SP6	3	165961321	165961628	165.96	6.00E-15	NA
CL366502	RP44_362M22	T7	3	166089232	166089310	166.09	5.00E-07	SI
CL366580	RP44_362M22	SP6	3	166313977	166314042	166.31	2.00E-06	KIAA0848
CL353735	RP44_403H19	SP6	3	166443584	166443975	166.44	2.00E-15	LOC344772
CL376057	RP44_443I9	T7	3	166456623	166456740	166.46	3.00E-07	LOC344772
CL321694	CH242_13M4	SP6	3	166615153	166615375	166.62	7.00E-15	NA
CL364287	RP44_396K10	T7	3	166659457	166659516	166.66	4.00E-10	NA
CL381039	RP44_314B22	T7	3	166816319	167114239	166.97	7.00E-21	NA
CL381016	RP44_314N7	SP6	3	166909131	166909214	166.91	7.00E-08	BCHE
CL358895	RP44_335K6	SP6	3	166958519	166959118	166.96	2.00E-08	NA
CL332532	CH242_12K11	T7	3	166971176	166971266	166.97	2.00E-14	NA
CL341684	RP44_261M21	T7	3	166971995	166972164	166.97	5.00E-10	NA
CL385817	RP44_332I24	SP6	3	167272211	167272359	167.27	2.00E-36	NA
CL375332	RP44_471D15	T7	3	167424580	167424899	167.42	5.00E-12	NA
CL372469	RP44_305D14	SP6	3	167697119	167697184	167.70	5.00E-09	LOC344775
CL440151	RP44_299F6	SP6	3	167697119	167697184	167.70	6.00E-09	LOC344775
CL440080	RP44_299F6	T7	3	167913241	167913301	167.91	2.00E-08	NA
CL360294	RP44_339C17	SP6	3	167933593	167934052	167.93	e-134	NA
CL385678	RP44_332K7	SP6	3	168012221	168012272	168.01	3.00E-10	LOC344776
CL379798	RP44_428M19	SP6	3	168012221	168012272	168.01	4.00E-10	LOC344776
CL368861	RP44_289F18	T7	3	168273103	168273618	168.27	2.00E-58	NA
CL372299	RP44_305D1	SP6	3	168315409	168315711	168.32	2.00E-24	NA
CL372463	RP44_305D2	SP6	3	168315409	168315711	168.32	2.00E-21	NA
CL372214	RP44_305D1	T7	3	168347216	168347555	168.35	3.00E-08	NA
CL372379	RP44_305D2	T7	3	168347418	168347555	168.35	2.00E-08	NA
CL367095	RP44_364O23	T7	3	168460625	168461015	168.46	1.00E-27	FLJ23049
CL321243	CH242_15J21	SP6	3	168569126	168569813	168.57	2.00E-33	SERPINI2
CL389150	RP44_286O21	SP6	3	168591362	168591499	168.59	8.00E-21	SERPINI2
CL367167	RP44_364O23	SP6	3	168646376	168646421	168.65	1.00E-06	FLJ33620
CL322612	RP44_416A20	SP6	3	168694776	168695430	168.70	3.00E-54	FLJ33620
CL389066	RP44_286O21	T7	3	168817532	168818075	168.82	2.00E-36	PDCD10
CL347928	RP44_273G20	SP6	3	168828908	168837061	168.83	5.00E-62	PDCD10
CL320315	CH242_2P13	T7	3	168942793	168942879	168.94	2.00E-26	SERPINI1
CL411771	RP44_430E13	T7	3	169009168	169009223	169.01	6.00E-08	NA
CL332937	CH242_12L8	T7	3	169239129	169239360	169.24	2.00E-36	NA
CL366848	RP44_362H22	SP6	3	169284911	169284990	169.28	7.00E-06	NA
CL371679	RP44_304E12	SP6	3	169385565	169385703	169.39	2.00E-14	NA
CL336072	RP44_255A21	SP6	3	169419380	169419566	169.42	8.00E-08	LOC344678
CL371119	RP44_301M23	SP6	3	169428723	172436747	170.93	4.00E-16	KIAA0551

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL323379	RP44_458K9	SP6	3	169429935	169430056	169.43	4.00E-07	LOC344678
CL333022	CH242_12L8	SP6	3	169442997	169443042	169.44	1.00E-06	LOC344678
CL339563	RP44_255J16	T7	3	169453254	169453838	169.45	e-151	LOC344678
CL366812	RP44_362P22	T7	3	169463318	169463464	169.46	4.00E-12	LOC344678
CL366774	RP44_362H22	T7	3	169463318	169463554	169.46	3.00E-42	LOC344678
CL385467	RP44_330N12	T7	3	169597619	169598076	169.60	1.00E-10	NA
CL362983	RP44_383I1	T7	3	169653985	169654307	169.65	2.00E-48	NA
CL341787	RP44_261C8	T7	3	169736984	169737529	169.74	3.00E-11	NA
CL320400	CH242_6J10	SP6	3	170077650	170077678	170.08	6.00E-06	LOC344680
CL365124	RP44_400L13	T7	3	170170924	170171212	170.17	2.00E-98	LOC344680
CL341256	RP44_260G7	T7	3	170177162	170177269	170.18	4.00E-34	LOC344680
CL385395	RP44_330P7	SP6	3	170197844	170197960	170.20	5.00E-06	LOC344680
CL387763	RP44_282M19	SP6	3	170227364	170227960	170.23	2.00E-39	EVI1
CL322262	RP44_404E16	SP6	3	170251230	170251671	170.25	7.00E-45	EVI1
CL373641	RP44_457P16	T7	3	170279977	170280041	170.28	4.00E-07	MDS1
CL365209	RP44_400L13	SP6	3	170299151	170299447	170.30	7.00E-83	MDS1
CL369455	RP44_291C14	T7	3	170300050	170300385	170.30	9.00E-23	MDS1
CL357773	RP44_413J5	SP6	3	170321450	170321964	170.32	0	MDS1
CL387686	RP44_282M19	T7	3	170387836	170388334	170.39	e-160	MDS1
CL322261	RP44_404E16	T7	3	170434979	170435223	170.44	4.00E-30	MDS1
CL369521	RP44_291C14	SP6	3	170467542	170467869	170.47	e-113	MDS1
CL380422	RP44_429C3	SP6	3	170599756	170599979	170.60	9.00E-21	MDS1
CL386444	RP44_334A22	T7	3	170616468	170616593	170.62	3.00E-15	MDS1
CL389624	RP44_287C7	T7	3	170626733	170627157	170.63	1.00E-12	MDS1
CL357517	RP44_413E22	T7	3	170652991	170653487	170.65	e-134	MDS1
CL339171	RP44_268M4	SP6	3	170752944	170753459	170.75	e-123	MDS1
CL353490	RP44_403K7	SP6	3	170776937	170777097	170.78	1.00E-09	MDS1
CL346892	RP44_271L15	SP6	3	170787106	170787583	170.79	0	NA
CL339100	RP44_268M4	T7	3	170919018	170919124	170.92	1.00E-12	MGC27085
CL387427	RP44_281K2	SP6	3	170981474	170981628	170.98	3.00E-26	FLJ23259
CL385629	RP44_332O3	T7	3	171048771	171049179	171.05	9.00E-26	LOC344658
CL329922	CH242_3E9	SP6	3	171049912	171050147	171.05	2.00E-29	LOC344658
CL365101	RP44_400H9	T7	3	171095402	171095766	171.10	3.00E-63	TLOC1
CL344259	RP44_278A12	SP6	3	171211534	171211703	171.21	9.00E-10	NA
CL412764	RP44_431H9	T7	3	171291168	171291707	171.29	9.00E-36	PHC3
CL344172	RP44_278A12	T7	3	171428388	171428839	171.43	3.00E-20	NA
CL368804	RP44_289J17	SP6	3	171599108	171599625	171.60	1.00E-19	KIAA1613
CL353247	RP44_402P9	SP6	3	172258937	172259077	172.26	2.00E-25	KIAA0551
CL326796	RP44_244G2	T7	3	172319896	172319949	172.32	5.00E-09	KIAA0551
CL322333	RP44_404M18	SP6	3	172548247	172548352	172.55	8.00E-11	KIAA0551
CL362786	RP44_380P15	SP6	3	172829020	172829415	172.83	1.00E-19	PLD1
CL340934	RP44_258B4	SP6	3	172833691	172833761	172.83	2.00E-11	PLD1
CL411704	RP44_429H11	SP6	3	172859957	172860319	172.86	3.00E-11	PLD1
CL383084	RP44_325D1	SP6	3	173073618	173073660	173.07	3.00E-07	NA
CL387006	RP44_335E24	T7	3	173208694	173209098	173.21	4.00E-22	NA
CL386086	RP44_332D16	SP6	3	173216892	173217187	173.22	1.00E-43	NA
CL335023	RP44_252J5	T7	3	173425620	173425655	173.43	7.00E-08	FAD104
CL370782	RP44_300G15	SP6	3	173489533	173489976	173.49	2.00E-24	FAD104
CL378569	RP44_424L15	SP6	3	173819751	173819804	173.82	3.00E-07	KIAA1363
CL341094	RP44_259C18	SP6	3	174043998	174044554	174.04	6.00E-80	NYD-SP12
CL340147	RP44_257E21	T7	3	174101984	174102179	174.10	7.00E-12	NYD-SP12
CL381785	RP44_316G4	SP6	3	174170372	174170422	174.17	3.00E-07	NYD-SP12
CL381723	RP44_316G4	T7	3	174382963	174383025	174.38	3.00E-07	LOC344665
CL335143	RP44_252P15	SP6	3	174428636	174428975	174.43	1.00E-15	LOC344665
CL374441	RP44_470I9	SP6	3	174523469	186477900	180.50	4.00E-07	NA
CL335057	RP44_252P15	T7	3	174591643	174591758	174.59	5.00E-10	NA
CL387464	RP44_281B21	T7	3	174613109	174613180	174.61	1.00E-10	NA
CL354512	RP44_407A2	SP6	3	174827678	174827984	174.83	e-103	NLGN1
CL323253	RP44_457N2	SP6	3	174870478	174870758	174.87	1.00E-87	NLGN1
CL328246	RP44_248G14	T7	3	174923841	174923977	174.92	2.00E-11	NLGN1
CL373628	RP44_457N2	T7	3	174999674	174999771	175.00	4.00E-16	NLGN1
CL384275	RP44_328L20	T7	3	175048255	175048373	175.05	3.00E-14	NLGN1
CL367737	RP44_372O1	SP6	3	175077088	175077198	175.08	3.00E-14	NLGN1
CL373432	RP44_308F1	SP6	3	175232323	175232452	175.23	1.00E-28	NLGN1
CL356863	RP44_412O5	SP6	3	175273735	175274419	175.27	3.00E-39	NLGN1

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL335041	RP44_252L21	T7	3	175276469	175278621	175.28	9.00E-08	NLGN1
CL330476	CH242_3P2	SP6	3	175367344	175367425	175.37	1.00E-16	NLGN1
CL373357	RP44_308F1	T7	3	175404972	175405332	175.41	1.00E-96	NA
CL356785	RP44_412O5	T7	3	175442605	175442676	175.44	1.00E-07	NA
CL326074	RP44_242J8	SP6	3	175462469	175462927	175.46	2.00E-27	NA
CL353116	RP44_402O14	T7	3	175736998	175737097	175.74	4.00E-16	NA
CL356899	RP44_412E20	T7	3	175880954	175881057	175.88	6.00E-08	NA
CL329613	RP44_394L21	SP6	3	176358254	176358497	176.36	3.00E-07	LOC254827
CL359771	RP44_338A15	T7	3	176384427	176384498	176.38	2.00E-12	LOC254827
CL359781	RP44_338C13	T7	3	176384427	176384498	176.38	2.00E-12	LOC254827
CL362917	RP44_380L18	SP6	3	176476955	176477236	176.48	6.00E-31	LOC254827
CL329612	RP44_394L21	T7	3	176503690	176511620	176.51	1.00E-06	LOC254827
CL368173	RP44_288J17	SP6	3	176572251	176572796	176.57	5.00E-59	LOC254827
CL322024	RP44_399F15	SP6	3	176599436	176599807	176.60	6.00E-55	LOC254827
CL353411	RP44_403A15	T7	3	176602119	176602672	176.60	9.00E-11	LOC254827
CL370635	RP44_296G13	T7	3	176701893	176702239	176.70	5.00E-24	LOC254827
CL335150	RP44_253A5	T7	3	176770564	176771237	176.77	2.00E-18	LOC254827
CL363077	RP44_383K3	SP6	3	176801759	176801792	176.80	2.00E-06	LOC254827
CL374627	RP44_470K14	SP6	3	177172225	177172715	177.17	3.00E-29	LOC348828
CL336852	RP44_263H21	SP6	3	177229453	177229986	177.23	1.00E-41	NA
CL344290	RP44_278G18	SP6	3	177328142	177328526	177.33	e-101	LOC165672
CL374541	RP44_470K14	T7	3	177328142	177328528	177.33	e-102	LOC165672
CL349798	RP44_309P18	T7	3	177556216	177556278	177.56	4.00E-07	LOC165672
CL344855	RP44_279I10	T7	3	177579204	177579278	177.58	3.00E-07	LOC165672
CL370088	RP44_294B9	T7	3	177612082	177612536	177.61	6.00E-58	LOC165672
CL372429	RP44_305L14	T7	3	177612082	177612536	177.61	6.00E-58	LOC165672
CL370115	RP44_294H9	T7	3	177612285	177612447	177.61	4.00E-18	LOC165672
CL388184	RP44_284G20	SP6	3	177654562	177654704	177.65	4.00E-16	LOC165672
CL381718	RP44_316E10	T7	3	177753174	177753257	177.75	1.00E-17	NA
CL352246	RP44_314I23	SP6	3	177875225	177875349	177.88	7.00E-06	LOC286669
CL365573	RP44_354I13	T7	3	178052039	178052478	178.05	7.00E-70	NA
CL334595	RP44_251L6	T7	3	178057799	178057852	178.06	1.00E-06	NA
CL374702	RP44_470J13	T7	3	178096332	178096674	178.10	2.00E-14	NA
CL365632	RP44_354I13	SP6	3	178218168	178218247	178.22	2.00E-08	IRA1
CL334664	RP44_251L6	SP6	3	178237594	178237763	178.24	1.00E-12	IRA1
CL380363	RP44_429G19	T7	3	178320378	178321337	178.32	4.00E-10	NA
CL356043	RP44_410B10	T7	3	178458891	178460126	178.46	3.00E-32	LOC344635
CL356061	RP44_410F10	T7	3	178458891	178460126	178.46	1.00E-28	LOC344635
CL355727	RP44_410A24	T7	3	178490199	178491055	178.49	4.00E-10	NA
CL345778	RP44_280P15	SP6	3	178675601	178676159	178.68	1.00E-25	LOC339846
CL335317	RP44_253G16	T7	3	178822812	178823032	178.82	7.00E-21	LOC339846
CL370692	RP44_296C15	SP6	3	178852757	178852837	178.85	6.00E-06	LOC339846
CL357027	RP44_412D3	T7	3	179135913	179136252	179.14	2.00E-14	LOC344636
CL362040	RP44_353L11	T7	3	179389886	179390002	179.39	2.00E-08	NA
CL376062	RP44_443I19	T7	3	179393353	179393492	179.39	8.00E-27	NA
CL377128	RP44_449O16	T7	3	179460743	179460877	179.46	2.00E-15	LOC285223
CL339064	RP44_268C18	T7	3	179592898	179593396	179.59	8.00E-24	NA
CL373636	RP44_457P6	T7	3	179789290	179789344	179.79	3.00E-12	KCNMB2
CL324114	RP44_463H4	T7	3	179923780	179923852	179.92	4.00E-06	KCNMB2
CL321079	CH242_15I20	T7	3	179953585	179953668	179.95	9.00E-08	KCNMB2
CL323255	RP44_457N6	SP6	3	179968867	179969039	179.97	3.00E-22	NA
CL323260	RP44_457P6	SP6	3	179968867	179969039	179.97	9.00E-20	NA
CL412417	RP44_431E1	T7	3	179968867	179969039	179.97	2.00E-24	NA
CL366073	RP44_358M10	T7	3	180215770	180215841	180.22	4.00E-09	NA
CL384751	RP44_329L15	T7	3	180329973	180330397	180.33	7.00E-83	PIK3CA
CL328416	RP44_248J21	T7	3	180330040	180330361	180.33	7.00E-66	PIK3CA
CL361348	RP44_350E15	SP6	3	180349706	180350188	180.35	6.00E-89	PIK3CA
CL361273	RP44_350E15	T7	3	180349706	180350193	180.35	7.00E-92	PIK3CA
CL367696	RP44_372E3	SP6	3	180388827	180388915	180.39	2.00E-08	NA
CL361693	RP44_351O17	SP6	3	180651678	180651887	180.65	6.00E-12	LOC344573
CL361607	RP44_351O17	T7	3	180651678	180651887	180.65	6.00E-15	LOC344573
CL373026	RP44_307D21	T7	3	180693688	180693729	180.69	1.00E-06	BAF53A
CL342561	RP44_262B7	T7	3	180844420	180844532	180.84	5.00E-13	USP13
CL388700	RP44_285O17	SP6	3	181019083	181019252	181.02	6.00E-12	PEX5R
CL348697	RP44_275I7	SP6	3	181078465	181078570	181.08	1.00E-16	PEX5R

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL382416	RP44_324I19	T7	3	181088741	181089134	181.09	2.00E-30	PEX5R
CL369380	RP44_291O9	T7	3	181088789	181089002	181.09	4.00E-26	PEX5R
CL388625	RP44_285O17	T7	3	181229884	181230246	181.23	6.00E-28	NA
CL352510	RP44_401A18	SP6	3	181513577	181513629	181.51	5.00E-11	NA
CL367511	RP44_367N1	T7	3	181597980	181598189	181.60	3.00E-11	NA
CL386743	RP44_334L6	T7	3	181598101	181598189	181.60	6.00E-06	NA
CL325590	RP44_241L6	T7	3	181750109	181750171	181.75	1.00E-09	LOC339829
CL377675	RP44_457M13	SP6	3	181968520	181968563	181.97	1.00E-07	LOC339829
CL372206	RP44_305B7	T7	3	182076000	182076476	182.08	1.00E-80	FXR1
CL342550	RP44_262O8	SP6	3	182322029	182322163	182.32	3.00E-07	LOC351555
CL357367	RP44_413I3	T7	3	182437234	182437500	182.44	9.00E-31	LOC351556
CL368889	RP44_289L6	T7	3	182520991	182521146	182.52	3.00E-08	LOC351556
CL383289	RP44_325J8	SP6	3	182651496	182651688	182.65	2.00E-30	NA
CL368971	RP44_289L6	SP6	3	182660876	182661282	182.66	2.00E-12	LOC344579
CL385109	RP44_330O11	SP6	3	182680736	182681210	182.68	0	LOC344579
CL344697	RP44_279I7	T7	3	182703926	182704419	182.70	5.00E-90	LOC344579
CL370250	RP44_295E15	T7	3	182739736	182740120	182.74	e-116	LOC344579
CL347603	RP44_272N14	T7	3	182807138	182807697	182.81	e-113	LOC344579
CL349618	RP44_309J7	T7	3	182825077	182825219	182.83	5.00E-43	LOC344580
CL366085	RP44_358O24	T7	3	182840270	182840375	182.84	4.00E-33	LOC344581
CL344773	RP44_279I7	SP6	3	182854793	182855299	182.86	1.00E-90	LOC344582
CL344041	RP44_278G3	T7	3	182971132	182971450	182.97	3.00E-29	NA
CL347126	RP44_272I15	T7	3	182975849	182975940	182.98	2.00E-20	NA
CL366157	RP44_358O24	SP6	3	183013189	183013358	183.01	2.00E-47	NA
CL388119	RP44_284K2	T7	3	183074042	183074078	183.07	6.00E-06	LOC344583
CL385764	RP44_332O4	T7	3	183074042	183074078	183.07	6.00E-06	LOC344583
CL362556	RP44_380K15	T7	3	183098684	183098781	183.10	4.00E-07	LOC344583
CL347202	RP44_272I15	SP6	3	183155324	183155841	183.16	4.00E-99	NA
CL327951	RP44_246L2	T7	3	183253595	183254103	183.25	e-156	NA
CL388199	RP44_284K2	SP6	3	183253614	183254111	183.25	e-152	NA
CL384660	RP44_329I2	SP6	3	183378033	183378576	183.38	1.00E-16	NA
CL413652	RP44_433J18	SP6	3	183386398	183386608	183.39	4.00E-19	NA
CL413573	RP44_433J18	T7	3	183555935	183557868	183.56	2.00E-08	NA
CL387416	RP44_281G24	SP6	3	183958181	183958276	183.96	9.00E-08	NA
CL387452	RP44_281O14	SP6	3	183958181	183958276	183.96	1.00E-07	NA
CL344517	RP44_278D20	T7	3	184024046	184024413	184.02	3.00E-13	ATP11B
CL321884	CH242_15O11	T7	3	184027578	184027743	184.03	6.00E-24	ATP11B
CL334095	RP44_251A5	T7	3	184035526	184036318	184.04	2.00E-09	ATP11B
CL387374	RP44_281O14	T7	3	184098589	184099235	184.10	5.00E-22	RP42
CL387337	RP44_281G24	T7	3	184098801	184099184	184.10	4.00E-22	RP42
CL321309	CH242_15P23	SP6	3	184177901	184177935	184.18	4.00E-07	MCCC1
CL378932	RP44_425K12	T7	3	184571652	187906251	186.24	9.00E-36	EIF4A2
CL384697	RP44_329O22	SP6	3	184740029	184740107	184.74	3.00E-07	NA
CL337274	RP44_264M10	T7	3	184800294	184800761	184.80	2.00E-48	NA
CL346093	RP44_269J13	SP6	3	185015218	185015264	185.02	2.00E-07	NA
CL387037	RP44_335M2	T7	3	185045358	185045613	185.05	7.00E-58	ABCC5
CL342239	RP44_262A9	T7	3	185067103	185067337	185.07	3.00E-50	ABCC5
CL373856	RP44_469G8	T7	3	185458665	185458841	185.46	2.00E-33	MGC21688
CL372161	RP44_305E1	SP6	3	185648872	185648964	185.65	5.00E-09	NA
CL324665	RP44_476I2	T7	3	185770537	185770621	185.77	4.00E-06	NA
CL322317	RP44_404K18	T7	3	185782623	185782873	185.78	2.00E-23	NA
CL375696	RP44_436L8	T7	3	185811704	185811930	185.81	1.00E-16	NA
CL371829	RP44_304D7	SP6	3	185896553	185896719	185.90	2.00E-64	LOC344885
CL371996	RP44_304D6	SP6	3	185896561	185896719	185.90	4.00E-62	LOC344885
CL348395	RP44_274J7	SP6	3	185900935	185901300	185.90	2.00E-36	LOC344885
CL371912	RP44_304D6	T7	3	186091108	186091180	186.09	6.00E-06	KIAA0804
CL343722	RP44_277A2	T7	3	186215276	186215402	186.22	3.00E-26	LOC285382
CL322221	RP44_404A2	T7	3	186609887	186610048	186.61	1.00E-12	MGC15397
CL369064	RP44_290M11	T7	3	186833048	186833143	186.83	7.00E-13	IMP-2
CL413741	RP44_435M9	T7	3	187225043	187225291	187.23	1.00E-87	ETV5
CL386460	RP44_334E12	T7	3	187327139	187327326	187.33	2.00E-12	DGKG
CL413603	RP44_433P14	T7	3	187408179	187408875	187.41	2.00E-18	DGKG
CL359892	RP44_338I7	SP6	3	187418690	187419140	187.42	e-139	DGKG
CL343657	RP44_277C5	SP6	3	187431401	187431471	187.43	7.00E-15	DGKG
CL386526	RP44_334E12	SP6	3	187492699	187492772	187.49	1.00E-06	NA

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CL346087	RP44_269F19	SP6	3	187533458	187533602	187.53	5.00E-11	NA
CL346020	RP44_269F19	T7	3	187745545	187745617	187.75	4.00E-06	NA
CL383142	RP44_325N11	SP6	3	188049514	188049547	188.05	2.00E-06	NA
CL361026	RP44_343N13	T7	3	188083217	188083288	188.08	2.00E-08	SIAT1
CL337021	RP44_263L8	SP6	3	188171026	188171181	188.17	2.00E-48	SIAT1
CL356627	RP44_411J20	T7	3	188293086	188293127	188.29	5.00E-09	NA
CL389945	RP44_287F2	T7	3	188336686	188336774	188.34	2.00E-08	NA
CL364989	RP44_400O18	T7	3	188453268	188453634	188.45	2.00E-76	NA
CL373361	RP44_308F9	T7	3	188749557	188749871	188.75	7.00E-92	NA
CL353461	RP44_403A21	SP6	3	188867566	188867837	188.87	3.00E-07	NA
CL350935	RP44_311H13	SP6	3	189205617	189205875	189.21	4.00E-25	NA
CL338317	RP44_266A7	T7	3	189398351	189398907	189.40	7.00E-18	LPP
CL371261	RP44_302K10	SP6	3	189424710	189424916	189.42	2.00E-10	LPP
CL349207	RP44_308F2	SP6	3	189474514	189474580	189.47	3.00E-07	LPP
CL365140	RP44_400P3	T7	3	189509970	189510212	189.51	7.00E-61	LPP
CL338391	RP44_266A7	SP6	3	189573502	189573716	189.57	8.00E-23	LPP
CL325015	RP44_478P20	T7	3	189617468	189617704	189.62	7.00E-27	LPP
CL390197	RP44_288I5	SP6	3	189617545	189617704	189.62	2.00E-21	LPP
CL360578	RP44_339L21	SP6	3	189680878	189681279	189.68	8.00E-08	LPP
CL324384	RP44_474D12	SP6	3	189690168	189690607	189.69	e-108	LPP
CL370168	RP44_294D11	SP6	3	189690168	189690792	189.69	e-161	LPP
CL365226	RP44_400P3	SP6	3	189704410	189704729	189.70	1.00E-13	LPP
CL332624	CH242_12K23	SP6	3	189744284	189745066	189.74	1.00E-44	LPP
CL382626	RP44_324D21	SP6	3	189767421	189767674	189.77	1.00E-37	LPP
CL390114	RP44_288I5	T7	3	189782448	189782617	189.78	3.00E-07	LPP
CL325016	RP44_478P20	SP6	3	189782517	189782624	189.78	7.00E-08	LPP
CL358738	RP44_415M23	SP6	3	189831305	189831431	189.83	1.00E-10	LPP
CL370099	RP44_294D11	T7	3	189867436	189867792	189.87	5.00E-46	LPP
CL324383	RP44_474D12	T7	3	189867468	189867792	189.87	6.00E-30	LPP
CL357216	RP44_412H20	T7	3	189867548	189867792	189.87	8.00E-10	LPP
CL367495	RP44_367J9	T7	3	189934559	189935103	189.93	3.00E-08	LPP
CL332538	CH242_12K23	T7	3	189954193	189954352	189.95	5.00E-10	LPP
CL354800	RP44_408G18	SP6	3	190007533	190008059	190.01	3.00E-20	LOC344896
CL338070	RP44_265B1	SP6	3	190115381	190115608	190.12	1.00E-10	NA
CL367578	RP44_367J9	SP6	3	190115381	190115608	190.12	8.00E-11	NA
CL373564	RP44_457P7	T7	3	190160185	190160299	190.16	3.00E-14	NA
CL323007	RP44_455B24	SP6	3	190176652	190177074	190.18	2.00E-58	NA
CL323006	RP44_455B24	T7	3	190220677	190220896	190.22	4.00E-44	NA
CL385879	RP44_332H15	T7	3	190242011	190242347	190.24	4.00E-56	LOC344897
CL345544	RP44_280A18	SP6	3	190537499	190538087	190.54	3.00E-08	LOC344899
CL355098	RP44_409E11	SP6	3	190722210	190722655	190.72	1.00E-92	NA
CL380286	RP44_428J14	SP6	3	190917025	190917569	190.92	0	TP73L
CL336371	RP44_262P6	SP6	3	190988362	190988581	190.99	9.00E-73	TP73L
CL379813	RP44_428A8	T7	3	191056521	191056653	191.06	3.00E-11	NA
CL324932	RP44_478H2	T7	3	191451073	191451221	191.45	5.00E-18	LOC351562
CL338867	RP44_267A24	SP6	3	191589081	191589211	191.59	6.00E-06	LOC344900
CL333158	RP44_249K15	T7	3	191694024	191694316	191.69	1.00E-27	IL1RAP
CL366653	RP44_362N19	T7	3	191779873	191780129	191.78	6.00E-15	NA
CL360777	RP44_341N2	T7	3	191796674	191796707	191.80	1.00E-06	NA
CL333230	RP44_249K15	SP6	3	191849150	191849190	191.85	5.00E-06	NA
CL374332	RP44_470E1	T7	3	191849150	191849190	191.85	5.00E-06	NA
CL360830	RP44_341N2	SP6	3	191969429	191969495	191.97	1.00E-09	NA
CL366728	RP44_362N19	SP6	3	191985407	191985990	191.99	3.00E-14	NA
CL373692	RP44_469I9	T7	3	192382673	192382849	192.38	2.00E-36	NA
CL362175	RP44_375I11	SP6	3	192417391	192417489	192.42	3.00E-07	LOC257313
CL375790	RP44_436N4	SP6	3	192417391	192417489	192.42	4.00E-07	LOC257313
CL367449	RP44_367B1	T7	3	192449885	192450055	192.45	2.00E-37	C3orf6
CL351176	RP44_312G3	T7	3	192460370	192460641	192.46	5.00E-28	C3orf6
CL326157	RP44_243I17	T7	3	193066277	193066560	193.07	1.00E-49	LOC339931
CL377231	RP44_449D13	T7	3	193169984	193170029	193.17	1.00E-06	LOC344902
CL383328	RP44_325P22	SP6	3	193201247	193201371	193.20	5.00E-07	NA
CL342434	RP44_262G20	T7	3	193317945	193318290	193.32	6.00E-21	FGF12
CL388116	RP44_284I16	T7	3	193369468	193369714	193.37	3.00E-10	FGF12
CL363682	RP44_389F5	SP6	3	193416340	193416806	193.42	2.00E-21	FGF12
CL378236	RP44_423J10	T7	3	193593497	193593560	193.59	5.00E-06	FGF12

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL351997	RP44_313H4	T7	3	193797331	193798005	193.80	3.00E-11	FGF12
CL389019	RP44_286E19	T7	3	193858292	193858367	193.86	5.00E-10	NA
CL389093	RP44_286E19	SP6	3	194036461	194036546	194.04	4.00E-10	LOC151963
CL370881	RP44_300L15	T7	3	194329205	194329403	194.33	1.00E-15	NA
CL367734	RP44_372M19	SP6	3	194394848	194395126	194.39	4.00E-50	LOC254735
CL345171	RP44_279L8	T7	3	194394922	194395018	194.39	2.00E-24	LOC254735
CL350127	RP44_310C4	SP6	3	194396055	194396273	194.40	3.00E-08	LOC254735
CL384777	RP44_329P23	T7	3	194396055	194396273	194.40	1.00E-12	LOC254735
CL333649	RP44_250O17	SP6	3	194426087	194426753	194.43	6.00E-06	LOC344905
CL384851	RP44_329P23	SP6	3	194554004	194554177	194.55	4.00E-07	DKFZp76111011
CL382686	RP44_325C5	T7	3	194576814	194576995	194.58	6.00E-71	DKFZp76111011
CL351012	RP44_311H10	T7	3	194651443	194651525	194.65	1.00E-09	DKFZp76111011
CL346665	RP44_271M14	T7	3	194751728	194751815	194.75	2.00E-09	OPA1
CL361934	RP44_353C9	SP6	3	194753196	194753285	194.75	1.00E-15	OPA1
CL351095	RP44_311H10	SP6	3	194796223	194796277	194.80	4.00E-07	OPA1
CL372665	RP44_306H23	SP6	3	195054854	195054897	195.05	9.00E-08	LOC344909
CL353661	RP44_403F5	T7	3	195058353	195058809	195.06	e-158	LOC344909
CL331333	CH242_7O20	SP6	3	195780952	195781060	195.78	3.00E-13	FLJ11301
CL387795	RP44_283E1	T7	3	195838227	195838296	195.84	6.00E-09	NA
CL330097	CH242_3E22	SP6	3	195940997	195941806	195.94	2.00E-06	NA
CL369246	RP44_290O12	T7	3	196185672	196186209	196.19	2.00E-12	NA
CL358450	RP44_414F16	T7	3	196215744	196215772	196.22	5.00E-06	FLJ35155
CL348767	RP44_275G2	T7	3	196233338	196233433	196.23	3.00E-16	FLJ35155
CL373801	RP44_469M7	SP6	3	196233340	196233454	196.23	3.00E-16	FLJ35155
CL378615	RP44_424F18	T7	3	196279893	196279949	196.28	1.00E-10	FLJ35155
CL345867	RP44_269C22	T7	3	196280365	196280564	196.28	1.00E-10	FLJ35155
CL358534	RP44_414F16	SP6	3	196407101	196407224	196.41	3.00E-60	CENTB2
CL348858	RP44_275G2	SP6	3	196408248	196408349	196.41	1.00E-06	CENTB2
CL338729	RP44_267C13	SP6	3	196500237	196500280	196.50	1.00E-07	CENTB2
CL327798	RP44_246H15	T7	3	197049414	197049610	197.05	1.00E-07	NA
CL339115	RP44_268O16	T7	3	197373667	197373742	197.37	4.00E-10	PCYT1A
CL369996	RP44_293C18	T7	3	197404296	197404361	197.40	1.00E-06	PCYT1A
CL408784	RP44_415P8	SP6	3	197527533	197527904	197.53	3.00E-17	KIAA0794
CL360485	RP44_339H3	T7	3	197821117	197821182	197.82	1.00E-06	FLJ20522
CL325019	RP44_478P24	SP6	3	198142409	198142468	198.14	4.00E-10	MF12
CL351806	RP44_313B19	T7	3	198210167	198210696	198.21	e-126	DLG1
CL351817	RP44_313D19	T7	3	198210167	198210696	198.21	e-124	DLG1
CL336714	RP44_263K22	SP6	3	198210243	198210696	198.21	e-108	DLG1
CL410553	RP44_419M16	SP6	3	198265022	198265168	198.27	6.00E-72	DLG1
CL338769	RP44_267K19	SP6	3	198274591	198274780	198.27	4.00E-71	DLG1
CL340913	RP44_258L18	T7	3	198274591	198274780	198.27	7.00E-70	DLG1
CL364869	RP44_400O5	SP6	3	198449627	198449685	198.45	5.00E-12	NA
CL340988	RP44_258L18	SP6	3	198460163	198460504	198.46	4.00E-93	NA
CL367658	RP44_372K19	T7	3	198463913	198464213	198.46	2.00E-85	NA
CL364984	RP44_400O4	T7	3	198648764	198648803	198.65	8.00E-08	BDH
CL365644	RP44_354K21	SP6	4	2035114	2035153	2.04	1.00E-10	NA
CL358932	RP44_335B11	T7	4	3429701	3429821	3.43	1.00E-15	RGS12
CL381659	RP44_316I15	SP6	4	4284441	4284553	4.28	2.00E-39	LYAR
CL341669	RP44_261K3	T7	4	4284764	4284815	4.28	2.00E-10	LOC166793
CL409712	RP44_417N2	T7	4	4305679	4305753	4.31	4.00E-07	LOC166793
CL341746	RP44_261K3	SP6	4	4521317	4521746	4.52	8.00E-73	STX18
CL410768	RP44_419P4	T7	4	4609827	4610067	4.61	4.00E-28	NA
CL336731	RP44_263O10	SP6	4	4787410	4787480	4.79	6.00E-12	LOC345213
CL356520	RP44_411P17	T7	4	4787410	4787480	4.79	3.00E-07	LOC345213
CL327706	RP44_246C12	SP6	4	4807995	4808097	4.81	2.00E-09	LOC345213
CL356585	RP44_411P17	SP6	4	5027801	5027933	5.03	3.00E-08	LOC345214
CL330531	CH242_4O15	T7	4	5853331	5853359	5.85	4.00E-06	CRMP1
CL354189	RP44_405N14	T7	4	5855477	5855707	5.86	5.00E-67	CRMP1
CL367917	RP44_374N21	T7	4	5895482	5895609	5.90	1.00E-19	NA
CL334186	RP44_251C11	SP6	4	6744153	6744216	6.74	4.00E-15	NA
CL382306	RP44_323F8	SP6	4	6917823	6917959	6.92	9.00E-23	KIAA1322
CL384997	RP44_330E11	T7	4	8414796	8414876	8.41	5.00E-30	HTRA3
CL337851	RP44_265E16	T7	4	10673337	10674003	10.67	2.00E-83	LOC345360
CL337842	RP44_265C16	T7	4	10673698	10673985	10.67	6.00E-30	LOC345360
CL371758	RP44_304F19	T7	4	11713284	11713467	11.71	2.00E-08	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL343633	RP44_277M23	T7	4	11767697	11767729	11.77	7.00E-06	NA
CL322405	RP44_404H24	SP6	4	12021875	12021932	12.02	1.00E-06	NA
CL348674	RP44_275C17	SP6	4	13059407	13059960	13.06	e-126	RAB28
CL348598	RP44_275C17	T7	4	13269896	13269962	13.27	2.00E-09	KIAA1327
CL325582	RP44_241J8	T7	4	13397945	13398131	13.40	4.00E-19	NA
CL342725	RP44_262P19	SP6	4	13632432	13633084	13.63	9.00E-33	NA
CL378052	RP44_422H22	SP6	4	13670821	27881865	20.78	6.00E-22	NA
CL389421	RP44_286J9	SP6	4	13678681	13679126	13.68	4.00E-38	NA
CL342640	RP44_262P19	T7	4	13823698	13823759	13.82	2.00E-06	LOC152742
CL342953	RP44_276K1	T7	4	14249013	14249390	14.25	2.00E-08	LOC351753
CL342168	RP44_261B24	SP6	4	14553516	14553943	14.55	3.00E-35	LOC348913
CL328803	RP44_373F6	T7	4	14805327	14805368	14.81	1.00E-06	LOC351756
CL343704	RP44_277M9	SP6	4	14982624	14983290	14.98	1.00E-07	LOC345321
CL324974	RP44_478L12	SP6	4	14987434	14987484	14.99	1.00E-07	LOC345321
CL388779	RP44_285A6	SP6	4	15056644	15056812	15.06	4.00E-13	C1QTNF7
CL377432	RP44_449N4	T7	4	15341890	15342212	15.34	4.00E-07	FBXL5
CL412336	RP44_430F6	SP6	4	15844520	15844620	15.84	2.00E-32	NA
CL341883	RP44_261E6	SP6	4	15949891	15949948	15.95	5.00E-09	NA
CL346806	RP44_271L1	T7	4	16333799	16334053	16.33	8.00E-30	LDB2
CL338305	RP44_265N24	SP6	4	16531360	16531860	16.53	2.00E-11	LDB2
CL383765	RP44_327A20	T7	4	16696358	16696491	16.70	2.00E-14	LOC133256
CL337325	RP44_264G16	SP6	4	17002815	17004162	17.00	2.00E-08	LOC351758
CL439732	RP44_297F11	SP6	4	17276150	17276286	17.28	1.00E-11	LAP3
CL388220	RP44_284O12	SP6	4	17349993	17350098	17.35	1.00E-06	KIAA1276
CL388143	RP44_284O12	T7	4	17512904	17513031	17.51	4.00E-35	HCAP-G
CL387297	RP44_281A4	T7	4	17563115	17563428	17.56	4.00E-78	MLR1
CL347618	RP44_272B14	SP6	4	17952103	17952209	17.95	3.00E-07	NA
CL385141	RP44_330G2	T7	4	18021533	18021599	18.02	4.00E-07	NA
CL329334	RP44_386N8	T7	4	18144940	18145058	18.14	4.00E-15	LOC351760
CL321224	CH242_15J1	SP6	4	18164331	18164389	18.16	7.00E-08	LOC351760
CL335917	RP44_254B2	SP6	4	18305553	18305631	18.31	3.00E-07	NA
CL328834	RP44_373H18	T7	4	18353980	18354169	18.35	9.00E-27	NA
CL364993	RP44_400A6	SP6	4	18366638	18367078	18.37	1.00E-09	NA
CL360989	RP44_343F3	T7	4	18404616	18404727	18.40	4.00E-22	NA
CL363781	RP44_389L23	T7	4	18803276	18803554	18.80	2.00E-55	LOC345328
CL363715	RP44_389L23	SP6	4	18999381	18999735	19.00	2.00E-70	LOC345329
CL349865	RP44_309N16	SP6	4	19144124	19144619	19.14	2.00E-49	NA
CL381193	RP44_314P14	SP6	4	19188278	19188348	19.19	2.00E-09	LOC351761
CL411964	RP44_430K2	T7	4	19277362	19277510	19.28	2.00E-14	LOC351761
CL363408	RP44_388D9	T7	4	19287777	19288158	19.29	2.00E-11	LOC351761
CL325214	RP44_479J19	SP6	4	19519241	19519298	19.52	4.00E-14	NA
CL363470	RP44_388D9	SP6	4	19521644	19521877	19.52	2.00E-34	NA
CL361826	RP44_351L5	SP6	4	19592230	19592307	19.59	1.00E-13	NA
CL357684	RP44_413H7	T7	4	19625753	19626368	19.63	2.00E-33	NA
CL363829	RP44_392K16	T7	4	20023653	20023936	20.02	2.00E-09	SLIT2
CL362586	RP44_380A19	SP6	4	20370858	20371391	20.37	3.00E-79	LOC345333
CL355312	RP44_409D11	T7	4	20670596	20670629	20.67	2.00E-06	KCNIP4
CL387138	RP44_280P2	SP6	4	20676643	20676774	20.68	3.00E-11	KCNIP4
CL349111	RP44_275H10	T7	4	20731769	20731839	20.73	1.00E-16	KCNIP4
CL389629	RP44_287C23	T7	4	20934624	20934927	20.93	1.00E-74	KCNIP4
CL342735	RP44_262B24	T7	4	20988641	20988804	20.99	6.00E-06	KCNIP4
CL374774	RP44_470H11	SP6	4	21505989	21506038	21.51	7.00E-07	LOC345338
CL353573	RP44_403O10	T7	4	21512149	21512265	21.51	2.00E-15	LOC345338
CL348815	RP44_275O6	T7	4	21623748	21623860	21.62	2.00E-15	LOC345339
CL353639	RP44_403O10	SP6	4	21674463	21674512	21.67	4.00E-09	NA
CL346269	RP44_270O9	SP6	4	21676460	21676956	21.68	1.00E-28	NA
CL346224	RP44_270C23	SP6	4	21676910	21676956	21.68	2.00E-07	NA
CL375197	RP44_471I22	T7	4	21975114	21975329	21.98	7.00E-18	NA
CL336389	RP44_263A19	T7	4	21975270	21975329	21.98	1.00E-07	NA
CL410433	RP44_419I19	SP6	4	22053206	22053432	22.05	2.00E-48	NA
CL337280	RP44_264O6	T7	4	22053206	22053432	22.05	3.00E-51	NA
CL350826	RP44_311B19	T7	4	22251611	22251917	22.25	9.00E-42	NA
CL384838	RP44_329N17	SP6	4	22607497	22607749	22.61	5.00E-50	LOC351763
CL375046	RP44_471M19	T7	4	22638974	22639151	22.64	1.00E-09	NA
CL360804	RP44_341F2	SP6	4	22657179	22657291	22.66	2.00E-25	NA

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CL387976	RP44_284K7	T7	4	22729068	22729391	22.73	1.00E-98	LOC345343
CL365469	RP44_353D12	SP6	4	23175630	23175747	23.18	1.00E-09	LOC345344
CL321955	CH242_15N6	T7	4	23340018	23340504	23.34	e-121	LOC351764
CL366027	RP44_358A14	T7	4	23518635	23519188	23.52	e-101	PPARGC1
CL321570	CH242_13E8	T7	4	23565556	23566178	23.57	0	PPARGC1
CL382114	RP44_323O2	SP6	4	23572014	23572227	23.57	1.00E-12	PPARGC1
CL366089	RP44_358A14	SP6	4	23663081	23663544	23.66	e-111	LOC345346
CL320430	CH242_6L24	T7	4	23664550	23664586	23.66	4.00E-06	LOC345346
CL381861	RP44_323G23	T7	4	23706732	23706792	23.71	4.00E-11	NA
CL382030	RP44_323O2	T7	4	23706732	23706792	23.71	8.00E-11	NA
CL321653	CH242_13E8	SP6	4	23730350	23730910	23.73	e-132	NA
CL387304	RP44_281A24	T7	4	23804759	23805171	23.80	e-169	NA
CL324682	RP44_476K10	SP6	4	23882624	23882864	23.88	e-133	NA
CL356678	RP44_411F22	SP6	4	23897870	23897936	23.90	4.00E-07	NA
CL345354	RP44_280K23	T7	4	23924431	23924810	23.92	4.00E-41	NA
CL410755	RP44_419L12	T7	4	23970975	23971140	23.97	7.00E-24	NA
CL324681	RP44_476K10	T7	4	24066430	24066485	24.07	1.00E-12	NA
CL320717	CH242_13G15	SP6	4	24104174	24104234	24.10	6.00E-06	LOC351768
CL440050	RP44_299M8	T7	4	24510759	24510834	24.51	1.00E-07	DKFZp761B107
CL353261	RP44_402D13	T7	4	24511440	24511522	24.51	3.00E-24	DKFZp761B107
CL367041	RP44_364E3	T7	4	24518332	24518392	24.52	4.00E-06	DKFZp761B107
CL345704	RP44_280B21	SP6	4	24547871	24548171	24.55	4.00E-86	DKFZp761B107
CL358520	RP44_414D10	SP6	4	24684956	24684993	24.68	3.00E-09	NA
CL332872	CH242_12L23	T7	4	24688792	24689118	24.69	3.00E-35	LGI2
CL353204	RP44_402D13	SP6	4	24706725	24706943	24.71	4.00E-22	LGI2
CL373437	RP44_308F15	SP6	4	24716061	24716618	24.72	4.00E-53	LGI2
CL345617	RP44_280B21	T7	4	24745614	24745855	24.75	2.00E-15	NA
CL344627	RP44_278L2	SP6	4	24817233	24817543	24.82	4.00E-52	SLA/LP
CL358436	RP44_414D10	T7	4	24869227	24869626	24.87	2.00E-82	NA
CL354886	RP44_408J5	T7	4	25032406	25032518	25.03	1.00E-28	FLJ23024
CL333293	RP44_249K2	T7	4	25237601	25237644	25.24	3.00E-08	LOC345348
CL411681	RP44_429D11	SP6	4	25518174	25518237	25.52	2.00E-08	KIAA0746
CL365730	RP44_355P15	T7	4	25587131	25587195	25.59	9.00E-11	NA
CL361000	RP44_343H9	T7	4	25831883	25832322	25.83	2.00E-76	NA
CL334831	RP44_252M9	SP6	4	25891101	25891316	25.89	8.00E-45	KBF2
CL410775	RP44_419P18	T7	4	25967708	25967831	25.97	1.00E-19	KBF2
CL329784	RP44_394N18	SP6	4	26356258	26356653	26.36	4.00E-22	FLJ11082
CL332378	CH242_10P1	T7	4	26429338	26429498	26.43	2.00E-12	FLJ11082
CL353028	RP44_402M13	SP6	4	26670245	26670416	26.67	3.00E-20	STIM2
CL353232	RP44_402L15	SP6	4	26670304	26670416	26.67	1.00E-12	STIM2
CL330287	CH242_3J19	SP6	4	26772009	26772172	26.77	5.00E-37	LOC345352
CL370014	RP44_293I12	T7	4	26883617	26883678	26.88	1.00E-06	LOC345353
CL346789	RP44_271H15	T7	4	26896360	26896699	26.90	3.00E-13	LOC345353
CL375698	RP44_436L12	T7	4	26896360	26896699	26.90	3.00E-13	LOC345353
CL324279	RP44_474I12	T7	4	26896360	26896699	26.90	5.00E-12	LOC345353
CL330923	CH242_6M13	T7	4	26907933	26908299	26.91	5.00E-83	LOC345353
CL330202	CH242_3J19	T7	4	27005787	27005870	27.01	7.00E-15	NA
CL324280	RP44_474I12	SP6	4	27109499	27109607	27.11	3.00E-20	LOC351773
CL369654	RP44_292C17	SP6	4	27224054	27224114	27.22	7.00E-06	NA
CL356746	RP44_412E13	T7	4	27254043	27254121	27.25	1.00E-09	NA
CL369061	RP44_290M5	T7	4	27281134	27281296	27.28	2.00E-18	NA
CL324132	RP44_463J16	SP6	4	27292962	27293197	27.29	3.00E-40	LOC351774
CL331401	CH242_7P1	T7	4	27372175	27372296	27.37	3.00E-23	NA
CL363810	RP44_392E6	T7	4	27401332	27401886	27.40	3.00E-23	NA
CL356647	RP44_411P4	T7	4	27478822	27478967	27.48	2.00E-14	NA
CL324131	RP44_463J16	T7	4	27478867	27478967	27.48	5.00E-06	NA
CL356418	RP44_411G12	SP6	4	28007907	28008004	28.01	5.00E-09	NA
CL412623	RP44_431M16	T7	4	28052602	28053087	28.05	2.00E-89	LOC285509
CL360057	RP44_338J19	SP6	4	28392280	28392398	28.39	6.00E-12	NA
CL328837	RP44_373H22	T7	4	28491556	28491731	28.49	3.00E-11	NA
CL359974	RP44_338J19	T7	4	28612582	28612846	28.61	1.00E-22	LOC345355
CL328838	RP44_373H22	SP6	4	28661185	28661254	28.66	1.00E-13	LOC345355
CL358002	RP44_414E9	T7	4	28679974	28680018	28.68	2.00E-08	LOC345355
CL336239	RP44_255D19	SP6	4	28902865	28902945	28.90	1.00E-10	LOC345356
CL414446	RP44_436J17	SP6	4	29268501	29268769	29.27	4.00E-25	LOC255551

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CL373696	RP44_469I19	T7	4	29546536	29546588	29.55	5.00E-13	NA
CL351604	RP44_313K5	SP6	4	30019447	30019668	30.02	6.00E-46	NA
CL324043	RP44_463J17	SP6	4	30102148	30102444	30.10	2.00E-54	NA
CL337240	RP44_264E8	T7	4	30263119	30263162	30.26	3.00E-10	LOC340007
CL323482	RP44_458G8	SP6	4	30440432	30440563	30.44	4.00E-10	PCDH7
CL368511	RP44_289O19	SP6	4	30488153	30488253	30.49	9.00E-11	PCDH7
CL366310	RP44_358B22	T7	4	30509300	30509655	30.51	e-102	PCDH7
CL365933	RP44_356H8	T7	4	30517453	30517638	30.52	1.00E-22	PCDH7
CL333329	RP44_249C22	SP6	4	30553744	30553916	30.55	8.00E-38	PCDH7
CL328077	RP44_248C11	T7	4	30553744	30553953	30.55	2.00E-61	PCDH7
CL323481	RP44_458G8	T7	4	30616873	30617095	30.62	4.00E-58	PCDH7
CL368426	RP44_289O19	T7	4	30658926	30659197	30.66	8.00E-51	PCDH7
CL356832	RP44_412I3	SP6	4	30661267	30662033	30.66	7.00E-55	PCDH7
CL346736	RP44_271K22	SP6	4	30720598	30720797	30.72	5.00E-22	PCDH7
CL324500	RP44_475G11	T7	4	30748232	30748291	30.75	5.00E-08	PCDH7
CL324548	RP44_475H12	T7	4	30748232	30748291	30.75	5.00E-08	PCDH7
CL375356	RP44_471J3	T7	4	30773557	30773759	30.77	4.00E-34	PCDH7
CL356758	RP44_412I3	T7	4	30802656	30804379	30.80	e-128	PCDH7
CL340285	RP44_257A20	T7	4	30894916	30895276	30.90	e-116	NA
CL326323	RP44_243M18	T7	4	30930237	30930377	30.93	3.00E-23	LOC351776
CL359569	RP44_337M3	T7	4	31435158	31435320	31.44	2.00E-33	NA
CL378742	RP44_425E11	T7	4	32036019	32036299	32.04	1.00E-31	LOC351719
CL413196	RP44_432M3	SP6	4	32368621	32368711	32.37	7.00E-15	NA
CL387513	RP44_281L13	T7	4	32392727	32393354	32.39	e-121	NA
CL325646	RP44_241H18	SP6	4	33383763	33383966	33.38	7.00E-12	LOC344953
CL348930	RP44_275D13	T7	4	33714632	33715050	33.71	1.00E-07	NA
CL356841	RP44_412K1	SP6	4	33754927	33755094	33.76	2.00E-36	NA
CL324742	RP44_477P9	SP6	4	33772344	33772401	33.77	3.00E-09	NA
CL330448	CH242_3J14	SP6	4	34092647	34093000	34.09	6.00E-65	NA
CL374224	RP44_469P10	T7	4	34209100	34209155	34.21	1.00E-07	NA
CL362709	RP44_380P13	T7	4	34325208	34325343	34.33	2.00E-08	NA
CL412720	RP44_431O6	SP6	4	34327752	34328131	34.33	1.00E-07	NA
CL412823	RP44_431D5	SP6	4	34553919	34554388	34.55	3.00E-32	LOC255372
CL349093	RP44_275D18	T7	4	35357932	35358136	35.36	5.00E-37	LOC344956
CL349524	RP44_309E20	SP6	4	35424696	35424949	35.42	8.00E-36	LOC344956
CL349555	RP44_309M2	SP6	4	35424696	35424971	35.42	3.00E-48	LOC344956
CL413606	RP44_433P20	T7	4	35497257	35501302	35.50	2.00E-34	LOC344956
CL388879	RP44_285F22	T7	4	35608080	35608273	35.61	1.00E-49	NA
CL374021	RP44_469H11	T7	4	35619696	35620071	35.62	1.00E-09	NA
CL342833	RP44_275D18	SP6	4	35628217	35628374	35.63	8.00E-27	NA
CL381477	RP44_315F24	SP6	4	35674190	35674416	35.67	3.00E-26	NA
CL328638	RP44_370D4	SP6	4	35762548	35763044	35.76	6.00E-55	NA
CL388950	RP44_285F22	SP6	4	35848491	35848571	35.85	2.00E-06	CENTD1
CL361874	RP44_353E13	T7	4	35910625	35910990	35.91	1.00E-06	CENTD1
CL389685	RP44_287O17	T7	4	35924568	35924684	35.92	6.00E-06	CENTD1
CL365994	RP44_356H16	SP6	4	35961064	35961236	35.96	9.00E-42	CENTD1
CL365937	RP44_356H16	T7	4	36106613	36106901	36.11	1.00E-15	MGC42157
CL389755	RP44_287O17	SP6	4	36107416	36107885	36.11	2.00E-89	MGC42157
CL378562	RP44_424H21	SP6	4	36483720	36484269	36.48	3.00E-14	NA
CL371251	RP44_302I12	SP6	4	36510791	36510921	36.51	1.00E-06	NA
CL361099	RP44_343P9	SP6	4	36528581	36528932	36.53	1.00E-07	NA
CL378501	RP44_424H21	T7	4	36667445	36667560	36.67	7.00E-06	NA
CL358802	RP44_415K8	T7	4	36675396	36675778	36.68	2.00E-15	NA
CL411333	RP44_420L4	T7	4	36779291	36779331	36.78	4.00E-06	NA
CL412048	RP44_430K6	SP6	4	36861808	36861933	36.86	9.00E-11	NA
CL367568	RP44_367H11	SP6	4	36879833	36880492	36.88	7.00E-12	NA
CL348191	RP44_274A1	SP6	4	36909171	36909212	36.91	2.00E-11	NA
CL364013	RP44_393G2	SP6	4	37069931	37070210	37.07	5.00E-15	NA
CL363945	RP44_393G2	T7	4	37263900	37263949	37.26	1.00E-06	NA
CL347617	RP44_272B12	SP6	4	37828697	37828744	37.83	5.00E-08	NA
CL364683	RP44_398J11	T7	4	38073314	38073459	38.07	1.00E-13	NA
CL379347	RP44_426J11	T7	4	38423901	38424136	38.42	9.00E-46	LOC344964
CL320500	CH242_10D10	T7	4	38535121	38535683	38.54	5.00E-28	NA
CL357742	RP44_413B21	SP6	4	38627663	38627948	38.63	2.00E-08	NA
CL335384	RP44_253I14	SP6	4	38781837	38782099	38.78	2.00E-10	LOC92689

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL346206	RP44_270A3	SP6	4	38880535	38880829	38.88	6.00E-18	NA
CL343171	RP44_276C2	SP6	4	39021013	39021085	39.02	7.00E-06	PWDMP
CL320767	CH242_13M7	T7	4	39021985	39022091	39.02	9.00E-36	PWDMP
CL343728	RP44_277A20	T7	4	39082313	39082399	39.08	3.00E-14	PWDMP
CL377976	RP44_422F14	T7	4	40395905	40396215	40.40	1.00E-10	FLJ20273
CL361689	RP44_351O7	SP6	4	40602729	40602834	40.60	2.00E-18	FLJ14001
CL361603	RP44_351O7	T7	4	40602729	40602835	40.60	5.00E-19	FLJ14001
CL348186	RP44_274O9	T7	4	40614418	40614453	40.61	7.00E-08	FLJ14001
CL333643	RP44_250M21	SP6	4	40644139	40644310	40.64	7.00E-12	FLJ14001
CL408530	RP44_415N19	T7	4	40710022	40710096	40.71	4.00E-07	APBB2
CL375472	RP44_471P15	SP6	4	40756722	40756765	40.76	7.00E-08	APBB2
CL333574	RP44_250M21	T7	4	40814795	40814932	40.81	2.00E-21	APBB2
CL386319	RP44_333H14	T7	4	40867355	40867425	40.87	1.00E-09	APBB2
CL320514	CH242_10D24	SP6	4	41348025	41348082	41.35	1.00E-13	KIAA1102
CL330360	CH242_3H18	T7	4	41600408	41601022	41.60	0	PHOX2B
CL383671	RP44_327K19	T7	4	41617897	41618122	41.62	3.00E-57	NA
CL356643	RP44_411N18	T7	4	41732275	41732421	41.73	4.00E-13	LOC345294
CL383266	RP44_325F6	SP6	4	41733987	41734489	41.73	3.00E-38	LOC345294
CL383435	RP44_326E20	SP6	4	41790051	41790241	41.79	1.00E-19	FLJ10525
CL383181	RP44_325F6	T7	4	41969362	41969619	41.97	2.00E-67	NA
CL323113	RP44_455P24	SP6	4	42193659	42193884	42.19	5.00E-24	NA
CL390149	RP44_288O17	T7	4	42261864	42262312	42.26	6.00E-36	NA
CL328432	RP44_248N13	T7	4	42335272	42335716	42.34	3.00E-44	ATP8A1
CL353238	RP44_402N11	SP6	4	42358944	42359104	42.36	1.00E-65	ATP8A1
CL320700	CH242_13E21	SP6	4	42417286	42417618	42.42	1.00E-07	ATP8A1
CL370085	RP44_293O12	SP6	4	42751804	42751952	42.75	3.00E-31	NA
CL375478	RP44_471B6	T7	4	42906372	42906573	42.91	7.00E-24	LOC345300
CL348604	RP44_275E9	T7	4	43494284	43494476	43.49	9.00E-27	NA
CL362915	RP44_380L14	SP6	4	43801590	43801875	43.80	2.00E-12	NA
CL330642	CH242_4D9	SP6	4	43918690	43918779	43.92	3.00E-12	LOC345304
CL377496	RP44_449J22	SP6	4	43969305	43969522	43.97	7.00E-16	NA
CL352688	RP44_401H21	SP6	4	43969635	43970156	43.97	1.00E-69	NA
CL362840	RP44_380L14	T7	4	43970919	43971010	43.97	7.00E-06	NA
CL374803	RP44_470N1	SP6	4	44013144	44013232	44.01	5.00E-25	NA
CL354632	RP44_408O3	T7	4	44307049	44307104	44.31	3.00E-10	LOC345305
CL374340	RP44_470E21	T7	4	44610679	44611051	44.61	6.00E-30	NA
CL377376	RP44_449P21	SP6	4	45042738	45043153	45.04	5.00E-52	LOC340000
CL356695	RP44_411J24	SP6	4	45197891	45198054	45.20	1.00E-24	NA
CL412978	RP44_431B10	SP6	4	45501955	45502027	45.50	2.00E-08	NA
CL375853	RP44_441O5	T7	4	45699697	45699765	45.70	3.00E-08	NA
CL385171	RP44_330M6	T7	4	46107963	46109595	46.11	e-154	GABRA2
CL388657	RP44_285G11	SP6	4	46269761	46270174	46.27	e-154	NA
CL337637	RP44_264J22	SP6	4	46290717	46290874	46.29	2.00E-37	NA
CL408632	RP44_415B6	T7	4	46363823	46363982	46.36	2.00E-21	NA
CL337562	RP44_264J22	T7	4	46472173	46472222	46.47	2.00E-06	NA
CL377425	RP44_449L8	T7	4	46637962	46638024	46.64	6.00E-12	COX7B2
CL379475	RP44_426B24	T7	4	46804909	46805078	46.80	2.00E-12	GABRA4
CL375906	RP44_441I2	T7	4	46830891	46831173	46.83	5.00E-43	GABRA4
CL377500	RP44_449L8	SP6	4	46841936	46842491	46.84	3.00E-20	GABRA4
CL335302	RP44_253E2	T7	4	46896336	46896457	46.90	4.00E-28	GABRB1
CL357621	RP44_413K2	SP6	4	46934920	46935208	46.94	4.00E-19	GABRB1
CL380029	RP44_428J19	T7	4	47004410	47004624	47.00	2.00E-27	GABRB1
CL382409	RP44_324I5	T7	4	47052788	47052888	47.05	3.00E-11	GABRB1
CL331156	CH242_6N9	SP6	4	47053414	47053554	47.05	2.00E-15	GABRB1
CL338264	RP44_265H4	SP6	4	47166197	47166229	47.17	5.00E-06	GABRB1
CL362311	RP44_375J20	SP6	4	47195548	47195645	47.20	2.00E-14	GABRB1
CL331075	CH242_6N9	T7	4	47273053	47273316	47.27	4.00E-16	GABRB1
CL358993	RP44_335N11	T7	4	47308515	47308619	47.31	2.00E-27	FLJ20502
CL362240	RP44_375J20	T7	4	47367398	47367846	47.37	6.00E-74	ATP10D
CL412133	RP44_430L9	SP6	4	47538268	47538352	47.54	6.00E-06	CRN
CL440224	RP44_300E13	T7	4	47555907	47556120	47.56	3.00E-41	CRN
CL379078	RP44_426I21	T7	4	47599838	47600232	47.60	2.00E-55	CRN
CL386121	RP44_332N8	SP6	4	47634959	47635320	47.64	6.00E-15	CRN
CL359922	RP44_338O15	SP6	4	47661235	47661298	47.66	6.00E-06	CRN
CL370772	RP44_300E13	SP6	4	47715702	47715795	47.72	7.00E-06	LOC152518

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL361054	RP44_343F7	SP6	4	47870103	47870148	47.87	1.00E-06	LOC152519
CL439746	RP44_297H19	SP6	4	47931877	47997069	47.96	9.00E-38	TEC
CL377593	RP44_457M13	T7	4	47999603	47999830	48.00	2.00E-30	TEC
CL345899	RP44_269K4	T7	4	48274635	48275248	48.27	e-133	KIAA1458
CL368693	RP44_289D19	T7	4	52632721	52632976	52.63	2.00E-70	KIAA0276
CL322922	RP44_437E20	SP6	4	52795539	52795912	52.80	4.00E-40	LOC132671
CL376336	RP44_444M19	T7	4	52801426	52801522	52.80	8.00E-11	LOC132671
CL368772	RP44_289D19	SP6	4	52823410	52823486	52.82	7.00E-06	NA
CL385005	RP44_330G13	T7	4	52962065	52962293	52.96	4.00E-06	LOC345170
CL412481	RP44_431A7	SP6	4	53006716	53006900	53.01	2.00E-18	LOC345170
CL338156	RP44_265B14	T7	4	53386593	53386662	53.39	4.00E-07	NA
CL320718	CH242_13G17	T7	4	53727359	53727627	53.73	1.00E-25	FLJ39514
CL370770	RP44_300E9	SP6	4	53891245	53891430	53.89	2.00E-36	FLJ39514
CL377781	RP44_457A22	SP6	4	54024320	54024404	54.02	9.00E-11	FLJ39514
CL338600	RP44_266I24	SP6	4	54410188	54410285	54.41	3.00E-16	LOC345172
CL343767	RP44_277I16	T7	4	55258194	55258234	55.26	7.00E-06	NA
CL413029	RP44_431L24	SP6	4	55448582	55448936	55.45	4.00E-13	KIT
CL326789	RP44_244E10	T7	4	55509884	55510219	55.51	2.00E-29	LOC345176
CL337730	RP44_265M11	T7	4	55509884	55510237	55.51	3.00E-26	LOC345176
CL333006	CH242_12H18	SP6	4	55588787	55588829	55.59	2.00E-09	LOC345176
CL346185	RP44_270M3	T7	4	55809894	55810003	55.81	7.00E-09	KDR
CL330866	CH242_6A13	T7	4	55930616	55931003	55.93	2.00E-17	LOC345178
CL350898	RP44_311P19	T7	4	55933671	55934197	55.93	1.00E-15	LOC345178
CL367788	RP44_372L19	T7	4	55971246	55971312	55.97	3.00E-12	LOC345178
CL409468	RP44_417C18	SP6	4	56081461	56081516	56.08	4.00E-10	FLJ13352
CL351655	RP44_313C20	T7	4	56537476	56537662	56.54	2.00E-12	NA
CL367297	RP44_367A18	T7	4	56612884	56613017	56.61	5.00E-36	SEC3
CL351571	RP44_313C19	SP6	4	56673308	56673458	56.67	9.00E-24	FLJ13621
CL354087	RP44_405A10	SP6	4	56982775	56982836	56.98	2.00E-11	NA
CL382762	RP44_325A11	SP6	4	57098560	57098677	57.10	4.00E-16	LOC132948
CL386122	RP44_332N10	SP6	4	57454800	57454853	57.45	1.00E-06	NA
CL381898	RP44_323A13	SP6	4	57491858	57492333	57.49	3.00E-07	NA
CL368470	RP44_289G17	SP6	4	57711171	57711397	57.71	4.00E-28	POLR2B
CL360567	RP44_339J7	SP6	4	57933942	57934028	57.93	9.00E-09	NA
CL354639	RP44_408A3	SP6	4	58191000	58191078	58.19	3.00E-07	NA
CL439890	RP44_297F14	SP6	4	58200379	58200839	58.20	3.00E-66	NA
CL379069	RP44_426G23	T7	4	58318278	58318454	58.32	1.00E-16	LOC345185
CL379406	RP44_426F7	SP6	4	58369012	58369125	58.37	4.00E-28	NA
CL410520	RP44_419C12	SP6	4	58556066	58556565	58.56	5.00E-77	LOC351723
CL409446	RP44_417O12	T7	4	58556066	58556565	58.56	7.00E-76	LOC351723
CL409429	RP44_417K14	T7	4	58556066	58556574	58.56	5.00E-83	LOC351723
CL371557	RP44_302L20	SP6	4	58729846	58729957	58.73	2.00E-15	NA
CL383182	RP44_325F8	T7	4	58916549	58916781	58.92	4.00E-10	NA
CL337459	RP44_264D17	SP6	4	58948535	58948608	58.95	6.00E-09	NA
CL355391	RP44_409D13	SP6	4	58988412	58988685	58.99	4.00E-35	NA
CL348913	RP44_275O22	SP6	4	59277838	59278061	59.28	5.00E-56	NA
CL374499	RP44_470C16	T7	4	59493334	59493434	59.49	2.00E-08	NA
CL374361	RP44_470I23	T7	4	59493334	59493434	59.49	2.00E-08	NA
CL379677	RP44_428G15	T7	4	59848027	59848394	59.85	e-130	NA
CL355139	RP44_409O19	SP6	4	59864771	59864924	59.86	5.00E-22	NA
CL368810	RP44_289L9	SP6	4	60748871	60749427	60.75	2.00E-43	NA
CL412938	RP44_431J16	T7	4	60859284	60859345	60.86	1.00E-13	NA
CL326063	RP44_242H6	SP6	4	61045340	61045665	61.05	4.00E-06	LOC351674
CL320516	CH242_10F2	SP6	4	61139190	61139276	61.14	1.00E-12	NA
CL330997	CH242_6M23	SP6	4	61334159	61334337	61.33	6.00E-12	NA
CL375537	RP44_471N16	T7	4	61450924	61451066	61.45	2.00E-20	NA
CL342410	RP44_262C16	T7	4	61455800	61455872	61.46	3.00E-11	NA
CL379161	RP44_426I9	SP6	4	61596239	61596305	61.60	1.00E-06	NA
CL375612	RP44_471N16	SP6	4	61606382	61606631	61.61	2.00E-24	NA
CL381924	RP44_323G7	SP6	4	61708607	61708885	61.71	1.00E-95	NA
CL378744	RP44_425E15	T7	4	61747627	61747882	61.75	9.00E-60	NA
CL342884	RP44_275N10	SP6	4	61768188	61768835	61.77	7.00E-52	NA
CL369259	RP44_290A16	SP6	4	62050364	62050803	62.05	1.00E-12	LEC3
CL323258	RP44_457N20	SP6	4	62067575	62067818	62.07	3.00E-51	LEC3
CL410973	RP44_420I19	SP6	4	62088488	62088820	62.09	6.00E-12	LEC3

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL413190	RP44_432K11	SP6	4	62140803	62140875	62.14	6.00E-09	LEC3
CL369168	RP44_290A16	T7	4	62211090	62211623	62.21	2.00E-18	LEC3
CL365085	RP44_400D21	T7	4	62211428	62212032	62.21	2.00E-30	LEC3
CL333452	RP44_249B24	SP6	4	62235586	62235875	62.24	4.00E-16	LEC3
CL373632	RP44_457N20	T7	4	62251538	62251668	62.25	2.00E-18	LEC3
CL408643	RP44_415D14	T7	4	62305322	62305549	62.31	5.00E-65	LEC3
CL413105	RP44_432K11	T7	4	62335339	62336007	62.34	e-124	LEC3
CL379063	RP44_426G11	T7	4	62432558	62433380	62.43	6.00E-33	LEC3
CL379687	RP44_428I17	T7	4	62578930	62579106	62.58	1.00E-12	LEC3
CL367231	RP44_365O11	T7	4	62586289	62586519	62.59	3.00E-60	LEC3
CL389823	RP44_287M10	T7	4	62670321	62670550	62.67	2.00E-17	LEC3
CL378145	RP44_423A10	SP6	4	62762861	62763204	62.76	1.00E-13	LEC3
CL336555	RP44_263M9	SP6	4	62795929	62796193	62.80	2.00E-11	LEC3
CL352984	RP44_402C21	SP6	4	62795929	62796193	62.80	3.00E-11	LEC3
CL389908	RP44_287M10	SP6	4	62838499	62838741	62.84	4.00E-10	LEC3
CL383054	RP44_325N5	T7	4	62838995	62839110	62.84	7.00E-18	LEC3
CL383670	RP44_327K17	T7	4	62871918	62872354	62.87	e-105	LEC3
CL336338	RP44_263M9	T7	4	63029031	63029120	63.03	2.00E-18	LOC345088
CL347294	RP44_272K18	T7	4	63029031	63029120	63.03	2.00E-18	LOC345088
CL383141	RP44_325N5	SP6	4	63036490	63036818	63.04	3.00E-17	LOC345088
CL345493	RP44_280G24	T7	4	63258064	63258167	63.26	3.00E-17	LOC348872
CL345666	RP44_280L5	T7	4	63334786	63334996	63.33	2.00E-30	NA
CL370768	RP44_300E5	SP6	4	63395557	63395629	63.40	2.00E-11	NA
CL353651	RP44_403B15	T7	4	63475531	63476054	63.48	4.00E-22	NA
CL440221	RP44_300E5	T7	4	63579956	63580828	63.58	7.00E-15	NA
CL367683	RP44_372A17	SP6	4	63593244	63593311	63.59	6.00E-06	NA
CL360634	RP44_340J6	T7	4	63827858	63828225	63.83	5.00E-25	LOC345089
CL408876	RP44_416C7	SP6	4	63964342	63964422	63.96	1.00E-27	LOC345089
CL348965	RP44_275J23	T7	4	64093503	64093582	64.09	1.00E-25	NA
CL361078	RP44_343L1	SP6	4	64254361	64254404	64.25	4.00E-10	NA
CL336830	RP44_263D17	SP6	4	64254361	64256573	64.26	4.00E-10	NA
CL336851	RP44_263H19	SP6	4	64254361	64256573	64.26	5.00E-10	NA
CL326435	RP44_243H11	SP6	4	64425688	64425778	64.43	2.00E-07	NA
CL335829	RP44_254M13	SP6	4	64634083	64634163	64.63	4.00E-06	NA
CL345132	RP44_279D8	T7	4	64910790	64910835	64.91	2.00E-06	NA
CL411439	RP44_421H24	SP6	4	65591496	65591589	65.59	2.00E-06	NA
CL411468	RP44_421N24	SP6	4	65591496	65591589	65.59	2.00E-06	NA
CL379800	RP44_428M23	SP6	4	65694408	65694636	65.69	1.00E-07	LOC345091
CL385587	RP44_332E11	T7	4	65794557	65794640	65.79	2.00E-08	LOC351678
CL332822	CH242_12B3	T7	4	65825614	65825918	65.83	7.00E-08	LOC351678
CL337635	RP44_264J18	SP6	4	66169395	66169597	66.17	2.00E-64	EPHA5
CL345400	RP44_280E7	SP6	4	66247861	66247915	66.25	4.00E-07	EPHA5
CL369012	RP44_290C7	T7	4	66254466	66254623	66.25	4.00E-10	EPHA5
CL383953	RP44_327H14	T7	4	66285085	66285178	66.29	8.00E-14	EPHA5
CL389852	RP44_287C8	SP6	4	66338696	66338757	66.34	4.00E-16	EPHA5
CL386069	RP44_332P22	T7	4	66425477	66425617	66.43	4.00E-13	EPHA5
CL345303	RP44_280E7	T7	4	66450908	66451371	66.45	4.00E-75	EPHA5
CL389255	RP44_286E16	SP6	4	66454466	66454548	66.45	7.00E-12	EPHA5
CL369095	RP44_290C7	SP6	4	66459803	66459909	66.46	2.00E-14	EPHA5
CL362167	RP44_375G15	SP6	4	66510863	66511335	66.51	1.00E-56	NA
CL411808	RP44_430M3	T7	4	66594974	66595089	66.60	2.00E-09	NA
CL326154	RP44_243I11	T7	4	66712631	66712773	66.71	3.00E-16	NA
CL336700	RP44_263I18	SP6	4	66934929	66935128	66.94	3.00E-07	NA
CL356579	RP44_411N17	SP6	4	67104565	67104662	67.10	3.00E-11	LOC345095
CL356541	RP44_411F7	SP6	4	67104600	67104662	67.10	1.00E-09	LOC345095
CL321913	CH242_15F2	T7	4	67357618	67357746	67.36	3.00E-20	LOC351679
CL350810	RP44_311O10	SP6	4	67398154	67398333	67.40	1.00E-31	NA
CL411829	RP44_430A5	SP6	4	67493106	67493190	67.49	4.00E-07	NA
CL355389	RP44_409D9	SP6	4	67552261	67552634	67.55	2.00E-54	LOC351680
CL338219	RP44_265N16	T7	4	67625145	67625644	67.63	9.00E-30	LOC351680
CL339879	RP44_256L9	T7	4	67661394	67661924	67.66	3.00E-14	NA
CL342626	RP44_262N9	T7	4	67689289	67689787	67.69	1.00E-59	LOC345096
CL375192	RP44_471I12	T7	4	67689483	67689787	67.69	4.00E-25	LOC345096
CL348559	RP44_274L12	SP6	4	67694725	67696036	67.70	4.00E-07	LOC345096
CL342636	RP44_262P11	T7	4	67694725	67696036	67.70	4.00E-07	LOC345096

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL355311	RP44_409D9	T7	4	67717449	67717792	67.72	3.00E-20	LOC345096
CL410501	RP44_419M10	T7	4	67951043	67951075	67.95	5.00E-06	NA
CL409746	RP44_417F16	SP6	4	67953546	67953900	67.95	3.00E-50	NA
CL323642	RP44_458H4	T7	4	67953546	67953900	67.95	5.00E-50	NA
CL379893	RP44_428O20	T7	4	67953662	67953900	67.95	4.00E-50	NA
CL376592	RP44_445G9	T7	4	67958920	67959115	67.96	2.00E-08	NA
CL329788	RP44_394N22	SP6	4	68008097	68008202	68.01	5.00E-09	NA
CL320677	CH242_13C21	T7	4	68032458	68032822	68.03	2.00E-77	NA
CL390033	RP44_287J10	SP6	4	68427580	68427920	68.43	5.00E-50	FLJ10808
CL411173	RP44_420F21	T7	4	68427580	68427920	68.43	4.00E-50	FLJ10808
CL364185	RP44_396G15	SP6	4	68628076	68628118	68.63	3.00E-07	HAT
CL336876	RP44_263N9	SP6	4	68656715	68656831	68.66	6.00E-18	HAT
CL385531	RP44_330L2	SP6	4	68841870	68846090	68.84	3.00E-11	NA
CL385452	RP44_330L2	T7	4	69047582	69047814	69.05	5.00E-13	LOC132724
CL324218	RP44_474C16	T7	4	69118625	69118681	69.12	7.00E-06	KIAA1966
CL335501	RP44_253D13	SP6	4	69124954	69125587	69.13	0	KIAA1966
CL408778	RP44_415N18	SP6	4	71302973	71303226	71.30	1.00E-19	NA
CL408459	RP44_415M18	SP6	4	71302974	71303226	71.30	3.00E-19	NA
CL345665	RP44_280L3	T7	4	71452660	71452793	71.45	1.00E-28	NYD-SP26
CL334360	RP44_251G4	SP6	4	71460141	71460200	71.46	1.00E-07	LOC345387
CL357640	RP44_413M18	SP6	4	72225227	72245635	72.24	9.00E-42	LOC92597
CL353425	RP44_403E21	T7	4	72242185	72242223	72.24	2.00E-07	LOC92597
CL383506	RP44_326H4	T7	4	72296262	72296329	72.30	7.00E-15	DCK
CL335085	RP44_252F5	SP6	4	72333796	72333882	72.33	1.00E-28	NA
CL346988	RP44_271P4	T7	4	72589413	72589838	72.59	2.00E-17	SLC4A4
CL346854	RP44_271D19	SP6	4	72611551	72612187	72.61	7.00E-09	SLC4A4
CL381609	RP44_316O19	T7	4	72611576	72612187	72.61	2.00E-08	SLC4A4
CL343959	RP44_277D15	SP6	4	72661847	72662028	72.66	1.00E-16	SLC4A4
CL338947	RP44_268E19	T7	4	73297381	73297422	73.30	6.00E-09	NA
CL382464	RP44_324C15	SP6	4	73794017	73794085	73.79	9.00E-08	ADAMTS3
CL382382	RP44_324C15	T7	4	73991361	73991400	73.99	1.00E-07	NA
CL369798	RP44_292E4	T7	4	74008125	74008388	74.01	7.00E-11	NA
CL377561	RP44_457G13	T7	4	74241882	74242248	74.24	2.00E-27	LOC345286
CL346433	RP44_270P15	SP6	4	74285629	74285765	74.29	2.00E-20	NA
CL367626	RP44_372C9	T7	4	74324442	74324668	74.32	2.00E-61	FLJ38991
CL377644	RP44_457G13	SP6	4	74418493	74418605	74.42	1.00E-06	GTAR
CL367688	RP44_372C9	SP6	4	74487767	74487959	74.49	2.00E-11	GTAR
CL370821	RP44_300O19	SP6	4	74488152	74488658	74.49	1.00E-90	GTAR
CL387905	RP44_283K9	SP6	4	74488182	74488658	74.49	9.00E-85	GTAR
CL333190	RP44_249C5	SP6	4	74507062	74507153	74.51	1.00E-08	GTAR
CL333191	RP44_249C7	SP6	4	74507062	74507153	74.51	2.00E-08	GTAR
CL333012	CH242_12J8	SP6	4	74523613	74523835	74.52	1.00E-56	GTAR
CL346355	RP44_270P15	T7	4	74530263	74530828	74.53	5.00E-06	NA
CL389895	RP44_287K8	SP6	4	75550292	75550429	75.55	1.00E-15	FLJ13105
CL366674	RP44_362D5	SP6	4	75628644	75629007	75.63	2.00E-33	NA
CL358575	RP44_414P2	SP6	4	75641043	75641259	75.64	2.00E-23	EREG
CL329521	RP44_394B17	T7	4	76033701	76033808	76.03	9.00E-13	NA
CL390205	RP44_288I23	SP6	4	76034055	76034276	76.03	4.00E-28	NA
CL325709	RP44_242G3	T7	4	76249518	76249664	76.25	7.00E-20	NA
CL412852	RP44_431J5	SP6	4	76343474	76343561	76.34	7.00E-11	DKFZP56400823
CL352093	RP44_313J8	SP6	4	76425776	76425915	76.43	2.00E-36	LOC351593
CL413656	RP44_433L4	SP6	4	76457883	76457958	76.46	1.00E-10	LOC351593
CL375970	RP44_441D16	T7	4	76676597	76677104	76.68	5.00E-18	NA
CL356722	RP44_412A3	T7	4	77114267	77114416	77.11	4.00E-59	VDP
CL345657	RP44_280J11	T7	4	77210739	77210786	77.21	4.00E-10	PPEF2
CL358612	RP44_415E21	T7	4	77210739	77210786	77.21	4.00E-10	PPEF2
CL355782	RP44_410M20	T7	4	77640801	77640906	77.64	2.00E-08	LOC339965
CL354451	RP44_407A24	T7	4	77759921	77759966	77.76	3.00E-09	ShrmL
CL378341	RP44_424A14	T7	4	77862778	77862817	77.86	8.00E-08	ShrmL
CL354517	RP44_407A24	SP6	4	77921178	77921500	77.92	e-100	ShrmL
CL330666	CH242_4J9	SP6	4	78137408	78137497	78.14	1.00E-09	LOC351596
CL346233	RP44_270E21	SP6	4	78213581	78213626	78.21	1.00E-06	NA
CL348594	RP44_275C9	T7	4	78265610	78265810	78.27	3.00E-60	FLJ10849
CL323726	RP44_458N24	T7	4	78265610	78265810	78.27	8.00E-58	FLJ10849
CL369917	RP44_292P20	T7	4	78281678	78282159	78.28	5.00E-16	FLJ10849

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL330605	CH242_4J9	T7	4	78322971	78323039	78.32	2.00E-08	FLJ10849
CL381896	RP44_323A9	SP6	4	78326633	78326703	78.33	3.00E-07	FLJ10849
CL409851	RP44_418K13	SP6	4	78370178	78370263	78.37	6.00E-33	CCNI
CL365767	RP44_355N9	SP6	4	78470657	78471140	78.47	2.00E-57	NA
CL409546	RP44_417F15	T7	4	79050543	79050635	79.05	2.00E-08	CNOT6L
CL332044	CH242_10A17	SP6	4	79311451	79311533	79.31	4.00E-07	LOC345083
CL361393	RP44_350O11	SP6	4	79333789	79334534	79.33	4.00E-10	NA
CL361317	RP44_350O11	T7	4	79333789	79334534	79.33	4.00E-10	NA
CL411006	RP44_420A4	T7	4	79435008	79435220	79.44	4.00E-09	NA
CL414462	RP44_436N5	SP6	4	79448241	79448595	79.45	2.00E-42	LOC345085
CL331958	CH242_10A17	T7	4	79532272	79532350	79.53	2.00E-12	NA
CL414373	RP44_436N5	T7	4	79647170	79647365	79.65	2.00E-33	LOC351597
CL371062	RP44_301A9	SP6	4	79940552	79940698	79.94	7.00E-17	NA
CL370994	RP44_301A9	T7	4	80162376	80162485	80.16	1.00E-09	BIKE
CL342098	RP44_261F2	T7	4	80256780	80256813	80.26	1.00E-06	NA
CL353624	RP44_403K14	SP6	4	81743084	81743452	81.74	3.00E-23	MGC35043
CL371849	RP44_304H3	SP6	4	82071256	82071315	82.07	1.00E-07	MGC35043
CL321343	CH242_15H18	SP6	4	82135942	82136544	82.14	8.00E-95	MGC35043
CL338342	RP44_266G3	T7	4	82367373	82367701	82.37	4.00E-47	BMP3
CL344308	RP44_278K14	SP6	4	82520932	82521049	82.52	1.00E-22	NA
CL380181	RP44_428H8	T7	4	82552862	82552918	82.55	2.00E-08	NA
CL344228	RP44_278K14	T7	4	82796634	82798283	82.80	2.00E-06	NA
CL350113	RP44_310O12	T7	4	82891414	82891468	82.89	3.00E-12	NA
CL335173	RP44_253E17	T7	4	82945620	82945676	82.95	3.00E-08	LOC345250
CL341145	RP44_260A3	SP6	4	82978930	82979320	82.98	1.00E-22	LOC345250
CL372740	RP44_306H8	T7	4	83151090	83151216	83.15	4.00E-16	LOC345253
CL341226	RP44_260A3	T7	4	83179998	83180473	83.18	2.00E-61	NA
CL388709	RP44_285A24	T7	4	83213341	83213742	83.21	2.00E-08	LOC345254
CL372078	RP44_305C11	T7	4	83378019	83378414	83.38	1.00E-09	LOC345256
CL379730	RP44_428A15	SP6	4	83383354	83383882	83.38	5.00E-47	LOC345256
CL351644	RP44_313A20	T7	4	83526451	83526520	83.53	2.00E-06	LOC345258
CL414431	RP44_436H9	SP6	4	83659313	83659457	83.66	6.00E-33	NA
CL377144	RP44_449C2	SP6	4	83962663	91209899	87.59	6.00E-08	MMRN
CL337965	RP44_265K16	SP6	4	84019923	84020115	84.02	1.00E-41	FLJ21032
CL337884	RP44_265K16	T7	4	84220305	84220563	84.22	1.00E-47	FLJ23320
CL377037	RP44_449M23	SP6	4	84245403	84245435	84.25	2.00E-08	LOC132660
CL388399	RP44_284B14	T7	4	84280040	84280177	84.28	1.00E-06	NA
CL375094	RP44_471G5	SP6	4	84542690	84542760	84.54	2.00E-07	NA
CL325208	RP44_479J7	T7	4	84542690	84542760	84.54	1.00E-07	NA
CL390325	RP44_288C12	SP6	4	84898889	84899003	84.90	1.00E-06	MGC11324
CL390254	RP44_288C12	T7	4	85110556	85110835	85.11	5.00E-62	LOC345266
CL373642	RP44_457P18	T7	4	85285683	85286106	85.29	e-169	LOC345268
CL373252	RP44_308O10	T7	4	85536290	85536866	85.54	1.00E-10	NA
CL408570	RP44_415F9	SP6	4	85537543	85537732	85.54	4.00E-16	NA
CL382991	RP44_325B7	T7	4	85643384	85643703	85.64	e-111	NA
CL341547	RP44_260B24	SP6	4	85715712	85715912	85.72	7.00E-69	NA
CL343881	RP44_277B13	T7	4	85751788	85751994	85.75	3.00E-69	NA
CL389167	RP44_286C12	T7	4	85961320	85961464	85.96	6.00E-09	CDS1
CL363379	RP44_383L23	SP6	4	86086745	86086869	86.09	8.00E-30	WDFY3
CL364452	RP44_396B5	SP6	4	86108446	86108617	86.11	2.00E-41	WDFY3
CL389244	RP44_286C12	SP6	4	86140743	86141015	86.14	1.00E-74	WDFY3
CL374390	RP44_470O19	T7	4	86140800	86141015	86.14	8.00E-48	WDFY3
CL389368	RP44_286N23	T7	4	86321503	86321597	86.32	1.00E-09	LOC351604
CL320676	CH242_13C19	SP6	4	86613795	86614082	86.61	4.00E-41	NA
CL344692	RP44_279G19	T7	4	86614004	86614082	86.61	8.00E-12	NA
CL332705	CH242_12K10	T7	4	86650983	86651030	86.65	4.00E-10	NA
CL372816	RP44_306F18	SP6	4	86719383	86719433	86.72	4.00E-07	NA
CL413629	RP44_433F4	SP6	4	86812911	86812999	86.81	8.00E-11	DKFZP564B1162
CL344368	RP44_278H5	T7	4	86927461	86927556	86.93	4.00E-10	DKFZP564B1162
CL372271	RP44_305N5	T7	4	86984310	86984419	86.98	1.00E-06	DKFZP564B1162
CL372352	RP44_305N5	SP6	4	87155086	87155145	87.16	1.00E-06	DKFZP564B1162
CL377905	RP44_422F5	SP6	4	87306048	87306104	87.31	2.00E-08	DKFZP564B1162
CL414147	RP44_436M15	T7	4	87306048	87306104	87.31	2.00E-08	DKFZP564B1162
CL379876	RP44_428M4	T7	4	87320090	87320295	87.32	4.00E-28	NA
CL372118	RP44_305K11	T7	4	87324190	87324292	87.32	5.00E-17	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL439978	RP44_299K8	SP6	4	87381861	87382105	87.38	4.00E-13	MAPK10
CL386928	RP44_335E23	SP6	4	87579750	87579852	87.58	3.00E-10	MAPK10
CL374806	RP44_470N7	SP6	4	87906201	87906301	87.91	9.00E-11	NA
CL412523	RP44_431K1	SP6	4	88098160	88098544	88.10	3.00E-26	PTPN13
CL384811	RP44_329H17	SP6	4	88342660	88342708	88.34	4.00E-06	MLLT2
CL383063	RP44_325P5	T7	4	88425801	88425851	88.43	2.00E-14	MLLT2
CL320838	CH242_13H1	SP6	4	88434898	88435009	88.43	1.00E-13	MLLT2
CL357349	RP44_413E7	T7	4	88551389	88551477	88.55	4.00E-25	NA
CL336544	RP44_263K11	SP6	4	88887662	88889789	88.89	4.00E-38	NA
CL363552	RP44_388F16	T7	4	88977909	88977957	88.98	5.00E-06	DMP1
CL354964	RP44_408H15	SP6	4	89316544	89316641	89.32	9.00E-14	NA
CL372451	RP44_305P20	T7	4	89447542	89447589	89.45	1.00E-07	ABCG2
CL354879	RP44_408H15	T7	4	89477234	89477332	89.48	7.00E-12	NA
CL361933	RP44_353C7	SP6	4	90000648	90000773	90.00	1.00E-25	HERC3
CL412669	RP44_431E14	SP6	4	90251992	90252178	90.25	1.00E-46	FAM13A1
CL370531	RP44_295P20	T7	4	90507681	90508233	90.51	2.00E-24	NA
CL341219	RP44_260O11	SP6	4	90726594	90726727	90.73	5.00E-12	LOC345278
CL341992	RP44_261L7	T7	4	90816667	90816786	90.82	1.00E-24	LOC345278
CL377085	RP44_449G16	T7	4	90901285	90902390	90.90	6.00E-18	NA
CL322984	RP44_437O10	T7	4	90992620	90992703	90.99	2.00E-12	NA
CL377171	RP44_449G16	SP6	4	91070688	91070793	91.07	9.00E-11	SNCA
CL334949	RP44_252I10	SP6	4	91408310	91408929	91.41	8.00E-24	NA
CL341601	RP44_260N8	SP6	4	91417712	91417873	91.42	1.00E-13	NA
CL389856	RP44_287C18	SP6	4	91417764	91417873	91.42	2.00E-11	NA
CL326072	RP44_242J2	SP6	4	91502985	91503234	91.50	6.00E-43	KIAA1680
CL413313	RP44_432H16	SP6	4	91512073	124933187	108.22	5.00E-06	KIAA1680
CL378714	RP44_424P22	SP6	4	91613274	91613412	91.61	4.00E-10	KIAA1680
CL343136	RP44_276K22	T7	4	91622866	91623521	91.62	0	KIAA1680
CL411435	RP44_421H16	SP6	4	91625640	91625761	91.63	3.00E-14	KIAA1680
CL345810	RP44_280F18	T7	4	91703487	91703552	91.70	2.00E-06	LOC351608
CL378649	RP44_424P22	T7	4	91784995	91785027	91.79	7.00E-06	NA
CL355343	RP44_409J15	T7	4	91961651	91961766	91.96	4.00E-13	NA
CL374097	RP44_469F13	SP6	4	92036500	92036805	92.04	4.00E-13	NA
CL387717	RP44_282C19	SP6	4	92154142	92154413	92.15	e-101	NA
CL355424	RP44_409J15	SP6	4	92202200	132643551	112.42	4.00E-35	NA
CL337277	RP44_264M18	T7	4	92204752	92204798	92.20	4.00E-07	NA
CL329769	RP44_394L24	T7	4	92264802	92264872	92.26	3.00E-07	NA
CL380691	RP44_429D21	T7	4	92347703	92347795	92.35	3.00E-08	NA
CL325768	RP44_242E17	SP6	4	92347703	92348052	92.35	1.00E-34	NA
CL343167	RP44_276A18	SP6	4	92348162	92348356	92.35	4.00E-10	NA
CL355571	RP44_409L6	SP6	4	92411099	92411191	92.41	4.00E-16	LOC345279
CL354750	RP44_408K10	T7	4	92425384	92425734	92.43	2.00E-11	LOC345279
CL350104	RP44_310M16	T7	4	92852466	92852518	92.85	3.00E-08	LOC345281
CL329170	RP44_382J24	SP6	4	92964419	92964541	92.96	3.00E-26	NA
CL355125	RP44_409M3	SP6	4	93419236	93419491	93.42	4.00E-10	LOC351609
CL344980	RP44_279B13	T7	4	93541375	93542019	93.54	7.00E-86	NA
CL345191	RP44_279P6	T7	4	93541418	93541841	93.54	7.00E-58	NA
CL360328	RP44_339M5	SP6	4	93595828	93596035	93.60	2.00E-35	NA
CL360266	RP44_339M5	T7	4	93733237	93733422	93.73	2.00E-16	GRID2
CL328020	RP44_246H20	SP6	4	94007496	94007537	94.01	2.00E-06	GRID2
CL341071	RP44_259O10	T7	4	94029895	94030076	94.03	9.00E-64	GRID2
CL327940	RP44_246H20	T7	4	94174278	94174498	94.17	8.00E-64	GRID2
CL353342	RP44_402N10	SP6	4	94366727	94366776	94.37	9.00E-07	GRID2
CL385080	RP44_330I3	SP6	4	94556596	94556624	94.56	6.00E-06	GRID2
CL368871	RP44_289H14	T7	4	94674503	94674535	94.67	4.00E-06	GRID2
CL368191	RP44_288N17	SP6	4	94789387	94789471	94.79	7.00E-09	GRID2
CL356372	RP44_411K8	T7	4	94831707	94832187	94.83	6.00E-15	GRID2
CL356504	RP44_411L9	T7	4	94832034	94832176	94.83	1.00E-08	GRID2
CL363502	RP44_388L11	SP6	4	95210330	95210622	95.21	1.00E-12	LOC351610
CL412655	RP44_431C10	SP6	4	95352255	95352588	95.35	1.00E-62	LOC351611
CL325746	RP44_242O17	T7	4	95603387	95604007	95.60	e-127	ETL1
CL355335	RP44_409H19	T7	4	95649804	95649853	95.65	7.00E-09	PGDS
CL439731	RP44_297F7	SP6	4	95862699	95862806	95.86	7.00E-06	LIM
CL349289	RP44_309G1	T7	4	95982662	95982997	95.98	e-111	NA
CL411244	RP44_420D23	SP6	4	96028777	96028974	96.03	1.00E-53	LOC351613

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL349367	RP44_309G1	SP6	4	96142938	96143241	96.14	5.00E-10	BMPR1B
CL409112	RP44_416D20	T7	4	96326416	96326668	96.33	9.00E-28	BMPR1B
CL356442	RP44_411M4	SP6	4	96342217	96342549	96.34	e-100	BMPR1B
CL356451	RP44_411O6	SP6	4	96342260	96342549	96.34	5.00E-86	BMPR1B
CL380655	RP44_429M14	SP6	4	96374842	96375427	96.38	4.00E-84	BMPR1B
CL326382	RP44_243K18	SP6	4	96521206	96521290	96.52	1.00E-15	UNC5C
CL349064	RP44_275N15	SP6	4	96539608	96539825	96.54	1.00E-28	UNC5C
CL380848	RP44_314K18	SP6	4	96554020	96554315	96.55	2.00E-14	UNC5C
CL380868	RP44_314O18	SP6	4	96554020	96554460	96.55	3.00E-17	UNC5C
CL362227	RP44_375H2	T7	4	96618669	96619061	96.62	5.00E-77	UNC5C
CL325078	RP44_479G9	T7	4	96618703	96619061	96.62	1.00E-70	UNC5C
CL323292	RP44_458A23	SP6	4	96629838	96630031	96.63	8.00E-14	UNC5C
CL326316	RP44_243K18	T7	4	96690975	96691279	96.69	7.00E-70	UNC5C
CL348982	RP44_275N15	T7	4	96726993	96727477	96.73	1.00E-22	UNC5C
CL380784	RP44_314O18	T7	4	96748417	96748903	96.75	e-144	UNC5C
CL380764	RP44_314K18	T7	4	96748445	96748903	96.75	e-125	UNC5C
CL340011	RP44_256J2	T7	4	96766910	96767083	96.77	2.00E-08	UNC5C
CL347727	RP44_273M21	T7	4	97163348	97163493	97.16	1.00E-25	NA
CL345693	RP44_280P23	T7	4	97168784	97169121	97.17	9.00E-79	NA
CL355404	RP44_409F19	SP6	4	97352965	97353450	97.35	2.00E-64	NA
CL355383	RP44_409B17	SP6	4	97353255	97353511	97.35	3.00E-67	NA
CL408666	RP44_415J2	T7	4	97359344	97359745	97.36	6.00E-09	NA
CL347809	RP44_273M21	SP6	4	97385240	97385276	97.39	3.00E-08	NA
CL379455	RP44_426P7	SP6	4	97969550	97969723	97.97	3.00E-20	LOC351616
CL385199	RP44_330C6	SP6	4	98012275	98012858	98.01	1.00E-07	NA
CL380569	RP44_429M16	T7	4	98070490	98070688	98.07	3.00E-26	LOC256698
CL329067	RP44_382P23	T7	4	98297576	98297863	98.30	1.00E-31	NA
CL338516	RP44_266I22	T7	4	98329672	98330026	98.33	6.00E-09	NA
CL380984	RP44_314H1	SP6	4	98381568	98381830	98.38	1.00E-31	NA
CL380903	RP44_314H1	T7	4	98566467	98566847	98.57	e-137	NA
CL370735	RP44_300M15	T7	4	98619950	98620580	98.62	6.00E-09	NA
CL439793	RP44_297D2	T7	4	98663796	98664353	98.66	1.00E-16	NA
CL387444	RP44_281M20	SP6	4	98679354	98679622	98.68	1.00E-87	NA
CL370382	RP44_295P7	T7	4	98828914	98828973	98.83	5.00E-08	NA
CL379795	RP44_428M13	SP6	4	99086344	99086597	99.09	7.00E-09	MGC46496
CL334992	RP44_252D13	T7	4	99132659	99133227	99.13	6.00E-06	MGC46496
CL373487	RP44_308P21	SP6	4	99153592	99153962	99.15	6.00E-09	MGC46496
CL336958	RP44_263N18	T7	4	99315820	99316162	99.32	3.00E-23	MGC46496
CL387118	RP44_280L6	SP6	4	99459256	99459373	99.46	3.00E-11	NA
CL374005	RP44_469D23	T7	4	99483947	99484202	99.48	9.00E-17	NA
CL373127	RP44_307H7	SP6	4	99554895	99554993	99.55	5.00E-19	NA
CL382534	RP44_324B5	T7	4	99603348	99603422	99.60	4.00E-07	RAP1GDS1
CL410025	RP44_418A16	SP6	4	99666433	99667102	99.67	4.00E-47	RAP1GDS1
CL363332	RP44_383B17	SP6	4	99670501	99670761	99.67	3.00E-08	RAP1GDS1
CL374092	RP44_469D23	SP6	4	99670501	99670761	99.67	2.00E-08	RAP1GDS1
CL334698	RP44_252C1	T7	4	99671304	99671340	99.67	4.00E-06	RAP1GDS1
CL373042	RP44_307H7	T7	4	99758667	99758940	99.76	1.00E-07	NA
CL366604	RP44_362D15	T7	4	99869999	99870242	99.87	7.00E-30	TM4SF9
CL409942	RP44_418A16	T7	4	99871180	99871251	99.87	9.00E-08	TM4SF9
CL352730	RP44_401B8	T7	4	99963093	99963143	99.96	8.00E-08	TM4SF9
CL334465	RP44_251N7	T7	4	100068194	100068681	100.07	4.00E-12	NA
CL332223	CH242_10A6	SP6	4	100359103	100359144	100.36	7.00E-09	METAP1
CL332129	CH242_10A6	T7	4	100604408	10066218	100.64	6.00E-09	ADH1C
CL374481	RP44_470O23	SP6	4	100718080	100718296	100.72	1.00E-06	NA
CL333591	RP44_250A21	SP6	4	101001072	101001209	101.00	8.00E-21	NA
CL368958	RP44_289H22	SP6	4	101212200	101212569	101.21	3.00E-17	NA
CL328607	RP44_248B4	SP6	4	101301283	101301411	101.30	3.00E-11	LOC256880
CL366976	RP44_363E15	SP6	4	101321661	101321691	101.32	4.00E-07	LOC256880
CL347798	RP44_273K23	SP6	4	101374380	101374654	101.37	4.00E-07	NA
CL326005	RP44_242J5	SP6	4	101444363	101444513	101.44	3.00E-09	NA
CL365146	RP44_400P15	T7	4	101670992	101671644	101.67	8.00E-52	LOC345365
CL325951	RP44_242J5	T7	4	101675630	101675682	101.68	4.00E-06	LOC345365
CL342093	RP44_261D12	T7	4	101759317	101759414	101.76	3.00E-07	EMCN
CL351953	RP44_313N23	SP6	4	101888533	101888866	101.89	4.00E-63	NA
CL346783	RP44_271H1	T7	4	101899793	135541426	118.72	2.00E-15	LOC132430

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL342171	RP44_261D12	SP6	4	101962656	101963040	101.96	7.00E-06	LOC345366
CL440072	RP44_299B24	T7	4	102050445	102050905	102.05	5.00E-13	NA
CL376900	RP44_449E5	T7	4	102124696	102125053	102.12	6.00E-45	LOC351617
CL376879	RP44_449A7	T7	4	102124696	102125161	102.12	3.00E-81	LOC351617
CL411529	RP44_422I20	T7	4	102208449	102208825	102.21	2.00E-52	NA
CL382042	RP44_323A2	SP6	4	102261165	102261269	102.26	2.00E-20	NA
CL381959	RP44_323A2	T7	4	102458609	102458732	102.46	1.00E-16	PPP3CA
CL326905	RP44_244M18	SP6	4	102536269	102536958	102.54	e-146	PPP3CA
CL341243	RP44_260C21	T7	4	102615831	102615917	102.62	3.00E-14	PPP3CA
CL333546	RP44_250G15	T7	4	102776285	102776328	102.78	3.00E-10	BANK
CL373251	RP44_308O8	T7	4	103176391	103176874	103.18	e-104	BANK
CL373049	RP44_307H21	T7	4	103187974	103188165	103.19	3.00E-08	BANK
CL333689	RP44_250I16	T7	4	103239677	103239969	103.24	2.00E-30	BANK
CL373330	RP44_308O8	SP6	4	103341043	103341240	103.34	1.00E-06	BANK
CL346745	RP44_271M20	SP6	4	103361108	103361405	103.36	7.00E-06	BANK
CL348067	RP44_273F22	SP6	4	103568425	103573469	103.57	2.00E-86	NA
CL372470	RP44_305D16	SP6	4	103568425	103573469	103.57	6.00E-83	NA
CL359707	RP44_337O16	T7	4	103669702	103670035	103.67	1.00E-10	LOC351618
CL372385	RP44_305D16	T7	4	103766237	103766275	103.77	2.00E-09	NA
CL384085	RP44_328F3	T7	4	103842250	103842427	103.84	1.00E-07	NFKB1
CL322711	RP44_416K24	SP6	4	103843634	103843866	103.84	3.00E-29	NFKB1
CL360790	RP44_341P22	T7	4	103844514	103844552	103.84	3.00E-07	NFKB1
CL377294	RP44_449B1	SP6	4	103883008	103883466	103.88	1.00E-16	NFKB1
CL335499	RP44_253D9	SP6	4	103893657	103893880	103.89	3.00E-25	NFKB1
CL380940	RP44_314N13	T7	4	104160374	104160485	104.16	3.00E-10	UBE2D3
CL341210	RP44_260M13	SP6	4	104430981	104431083	104.43	2.00E-20	CENPE
CL343981	RP44_277J11	SP6	4	105171939	105172011	105.17	3.00E-08	NA
CL412901	RP44_431F10	T7	4	105206888	105207057	105.21	2.00E-33	NA
CL411709	RP44_429H23	SP6	4	105311264	105311618	105.31	2.00E-14	NA
CL384281	RP44_328N10	T7	4	105339240	105339428	105.34	3.00E-63	NA
CL384285	RP44_328N18	T7	4	105339240	105339428	105.34	3.00E-63	NA
CL410551	RP44_419M12	SP6	4	105452699	105453019	105.45	2.00E-26	NA
CL349098	RP44_275F8	T7	4	105576346	105576873	105.58	e-150	NA
CL376236	RP44_443F9	SP6	4	105576359	105576892	105.58	e-141	NA
CL410502	RP44_419M12	T7	4	105726007	105726359	105.73	e-147	NA
CL336196	RP44_255J19	T7	4	105726191	105726984	105.73	e-162	NA
CL350149	RP44_310G10	SP6	4	106074945	106075312	106.08	4.00E-13	NA
CL353615	RP44_403I14	SP6	4	106145635	106145795	106.15	8.00E-30	NA
CL382319	RP44_323H12	SP6	4	106242649	106243016	106.24	9.00E-14	LOC345370
CL350067	RP44_310G10	T7	4	106243450	106243616	106.24	3.00E-14	LOC345370
CL365247	RP44_400D6	SP6	4	106441323	106441444	106.44	3.00E-19	NA
CL347705	RP44_273I19	T7	4	106561077	106561390	106.56	9.00E-70	KIAA1546
CL386128	RP44_332N24	SP6	4	106752248	106752400	106.75	1.00E-34	SID6-306
CL356840	RP44_412I23	SP6	4	106768189	106768391	106.77	1.00E-55	SID6-306
CL365156	RP44_400B13	SP6	4	107076214	107076595	107.08	1.00E-22	FLJ13273
CL374936	RP44_470H20	SP6	4	107231738	107231913	107.23	1.00E-28	LOC255743
CL385644	RP44_332A19	SP6	4	107232666	107232741	107.23	8.00E-11	LOC255743
CL362409	RP44_377M18	T7	4	107246335	107246408	107.25	5.00E-07	LOC255743
CL408780	RP44_415N22	SP6	4	107254323	107254600	107.25	2.00E-68	LOC255743
CL408791	RP44_415P22	SP6	4	107254323	107254600	107.25	1.00E-68	LOC255743
CL355840	RP44_410K2	SP6	4	107266527	107266668	107.27	3.00E-09	LOC255743
CL348023	RP44_273N4	T7	4	107376979	107377195	107.38	4.00E-53	MGC16169
CL374863	RP44_470H20	T7	4	107390140	107390233	107.39	1.00E-13	MGC16169
CL355767	RP44_410K2	T7	4	107454560	107455060	107.45	2.00E-09	MGC16169
CL350759	RP44_311E10	SP6	4	107611355	107611506	107.61	2.00E-06	MGC16169
CL414327	RP44_436D9	T7	4	107928300	107928903	107.93	2.00E-06	NA
CL349571	RP44_309O16	SP6	4	107955836	107955895	107.96	2.00E-10	LOC351621
CL348820	RP44_275O16	T7	4	108015338	108015607	108.02	3.00E-17	LOC351621
CL349495	RP44_309O16	T7	4	108151132	108151198	108.15	3.00E-14	NA
CL348910	RP44_275O16	SP6	4	108235459	108235652	108.24	2.00E-12	NA
CL412759	RP44_431F21	T7	4	108391171	108391290	108.39	6.00E-09	DKK2
CL330649	CH242_4F5	SP6	4	108440413	108440444	108.44	3.00E-08	DKK2
CL333605	RP44_250E11	SP6	4	108632092	108632745	108.63	2.00E-43	NA
CL352129	RP44_313P20	SP6	4	108664334	108664951	108.66	5.00E-68	NA
CL330718	CH242_4F16	T7	4	108941567	108941670	108.94	5.00E-12	PAPSS1

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL361675	RP44_351M3	SP6	4	108984090	108984197	108.98	7.00E-20	PAPSS1
CL361590	RP44_351M3	T7	4	108984090	108984222	108.98	1.00E-22	PAPSS1
CL369645	RP44_292A23	SP6	4	109193335	109193451	109.19	1.00E-08	NA
CL323078	RP44_455J24	T7	4	109209556	109210120	109.21	2.00E-79	MGC26963
CL323079	RP44_455J24	SP6	4	109227108	109227178	109.23	2.00E-08	MGC26963
CL327753	RP44_246M2	SP6	4	109396601	109397316	109.40	2.00E-12	LEF1
CL322831	RP44_437I19	T7	4	109425667	109425750	109.43	2.00E-17	LEF1
CL322819	RP44_437G19	T7	4	109425667	109425785	109.43	4.00E-19	LEF1
CL322866	RP44_437M19	T7	4	109425667	109425785	109.43	5.00E-19	LEF1
CL412183	RP44_430F9	T7	4	109530076	109530120	109.53	2.00E-08	LOC345190
CL327673	RP44_246M2	T7	4	109562133	109562428	109.56	1.00E-43	LOC345190
CL372060	RP44_304P14	SP6	4	109609771	109609892	109.61	7.00E-14	LOC345191
CL366842	RP44_362H8	SP6	4	109648349	109648696	109.65	2.00E-36	LOC345191
CL343327	RP44_276B17	SP6	4	109685049	109685711	109.69	4.00E-87	LOC339979
CL366769	RP44_362H8	T7	4	109826668	109827136	109.83	e-111	NA
CL342462	RP44_262M16	T7	4	109905444	109905617	109.91	4.00E-13	LOC285456
CL328426	RP44_248N1	T7	4	110127413	110128059	110.13	e-107	COL25A1
CL342544	RP44_262M16	SP6	4	110147486	110147824	110.15	5.00E-12	COL25A1
CL359185	RP44_335D18	SP6	4	110257867	110258155	110.26	9.00E-39	COL25A1
CL365290	RP44_400L16	SP6	4	110412558	110412604	110.41	1.00E-09	COL25A1
CL359110	RP44_335D18	T7	4	110447249	110447355	110.45	2.00E-14	COL25A1
CL320905	CH242_15C7	SP6	4	110886494	110886550	110.89	5.00E-06	FLJ20647
CL351022	RP44_311J10	T7	4	111250026	112861200	117.06	3.00E-07	EGF
CL389744	RP44_287M15	SP6	4	111557810	111558316	111.56	4.00E-16	NA
CL338454	RP44_266K23	SP6	4	111843117	111843328	111.84	6.00E-09	ENPEP
CL374284	RP44_469L6	SP6	4	111929493	111929744	111.93	6.00E-61	LOC351624
CL374293	RP44_469N6	SP6	4	111929493	111929744	111.93	6.00E-61	LOC351624
CL383407	RP44_326O18	T7	4	111940054	111940187	111.94	7.00E-21	PITX2
CL323339	RP44_458G9	SP6	4	111994211	111994396	111.99	1.00E-34	NA
CL382489	RP44_324G19	SP6	4	111995357	111995401	112.00	4.00E-07	NA
CL378475	RP44_424B11	T7	4	111995567	111995978	112.00	3.00E-22	NA
CL383479	RP44_326O18	SP6	4	112126682	112127140	112.13	2.00E-52	LOC351625
CL340689	RP44_257N8	SP6	4	112253421	112253621	112.25	1.00E-24	NA
CL411712	RP44_429J7	SP6	4	112269289	112269710	112.27	6.00E-09	NA
CL382525	RP44_324O9	SP6	4	112441325	112441369	112.44	3.00E-08	NA
CL348966	RP44_275L1	T7	4	112503048	112503438	112.50	e-101	NA
CL412079	RP44_430B5	SP6	4	112597112	112597351	112.60	5.00E-49	LOC339946
CL386487	RP44_334K14	T7	4	112610772	112611209	112.61	8.00E-61	LOC339946
CL412162	RP44_430B5	T7	4	112778904	112779613	112.78	6.00E-15	LOC339946
CL410909	RP44_420M13	T7	4	112789903	112790287	112.79	6.00E-25	NA
CL332904	CH242_12D20	T7	4	112823139	112823556	112.82	e-150	NA
CL376200	RP44_443N3	T7	4	112823448	112823836	112.82	7.00E-21	NA
CL323500	RP44_458I8	SP6	4	112951602	112951802	112.95	8.00E-20	NA
CL347663	RP44_272N22	SP6	4	112953896	112954248	112.95	2.00E-20	NA
CL347069	RP44_271P8	SP6	4	112956452	112956733	112.96	2.00E-30	NA
CL363574	RP44_388J24	T7	4	113128251	113128332	113.13	2.00E-11	LOC344970
CL338628	RP44_266O12	SP6	4	113169009	113169451	113.17	9.00E-51	LOC344970
CL365477	RP44_353F10	SP6	4	113355269	113355469	113.36	2.00E-20	LOC132719
CL411663	RP44_422H9	T7	4	113356552	113356854	113.36	9.00E-23	LOC132719
CL382100	RP44_323K12	SP6	4	113373086	113373577	113.37	7.00E-46	LOC132719
CL382014	RP44_323K12	T7	4	113463882	113464500	113.46	3.00E-11	FLJ39370
CL379765	RP44_428G21	SP6	4	113501076	113501345	113.50	3.00E-82	FLJ39370
CL334584	RP44_251H12	T7	4	113746815	113747060	113.75	2.00E-32	LAK
CL334650	RP44_251H12	SP6	4	113953948	113954000	113.95	5.00E-06	HDCMA18P
CL362764	RP44_380L15	SP6	4	113953948	113954000	113.95	7.00E-06	HDCMA18P
CL409256	RP44_417G19	T7	4	114131466	114132199	114.13	2.00E-12	NA
CL330943	CH242_6A15	SP6	4	114170338	114170508	114.17	4.00E-16	ANK2
CL367887	RP44_374F13	T7	4	114444034	114444140	114.44	2.00E-09	ANK2
CL347334	RP44_272C4	SP6	4	114444034	114444657	114.44	2.00E-09	ANK2
CL347355	RP44_272G4	SP6	4	114444034	114444657	114.44	2.00E-09	ANK2
CL376999	RP44_449G15	SP6	4	114468589	114468952	114.47	4.00E-25	ANK2
CL331857	CH242_9M17	T7	4	114501307	114501739	114.50	1.00E-13	ANK2
CL335191	RP44_253I15	T7	4	114606505	114606644	114.61	4.00E-18	ANK2
CL365991	RP44_356H10	SP6	4	114647374	114647575	114.65	1.00E-68	ANK2
CL374820	RP44_470P15	SP6	4	114663931	114664198	114.66	5.00E-12	ANK2

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL365934	RP44_356H10	T7	4	114773066	114773149	114.77	1.00E-12	CAMK2D
CL409697	RP44_417J12	T7	4	114814807	114814890	114.81	3.00E-29	CAMK2D
CL409680	RP44_417F12	T7	4	114814807	114815010	114.81	3.00E-29	CAMK2D
CL327880	RP44_246L1	SP6	4	114857353	114857681	114.86	4.00E-19	CAMK2D
CL327121	RP44_245O11	T7	4	114890062	114890152	114.89	2.00E-09	CAMK2D
CL440204	RP44_299P22	SP6	4	115007572	115007996	115.01	4.00E-44	CAMK2D
CL377275	RP44_449N3	T7	4	115165784	115165960	115.17	2.00E-21	NA
CL342453	RP44_262K16	T7	4	115236446	115236824	115.24	3.00E-60	NA
CL373084	RP44_307P9	T7	4	115585000	115585109	115.59	2.00E-09	LOC344974
CL352119	RP44_313N20	SP6	4	115955662	115955747	115.96	7.00E-09	UGT8
CL376668	RP44_445I3	SP6	4	116166375	116166824	116.17	3.00E-47	NDST4
CL351071	RP44_311B24	SP6	4	116232341	116232527	116.23	2.00E-09	NDST4
CL343459	RP44_276L12	T7	4	116241140	116241340	116.24	2.00E-34	NDST4
CL387932	RP44_283O21	SP6	4	116350269	116350589	116.35	1.00E-31	NDST4
CL374324	RP44_470C5	T7	4	116390415	119369255	117.88	7.00E-48	NDST3
CL350992	RP44_311B24	T7	4	116418101	116418602	116.42	6.00E-40	NDST4
CL365445	RP44_353P4	T7	4	116418101	116418616	116.42	4.00E-41	NDST4
CL354792	RP44_408E12	SP6	4	116867388	116867440	116.87	4.00E-06	NA
CL358968	RP44_335H21	T7	4	116867388	116867440	116.87	3.00E-08	NA
CL355475	RP44_409F16	T7	4	117108349	117108449	117.11	1.00E-22	NA
CL358596	RP44_415C7	T7	4	117601243	117601429	117.60	3.00E-19	LOC344977
CL369081	RP44_290O23	T7	4	117713341	118524976	118.12	1.00E-50	LOC344980
CL358677	RP44_415C7	SP6	4	117821625	117821683	117.82	2.00E-14	NA
CL353243	RP44_402N21	SP6	4	117899817	117899916	117.90	6.00E-15	NA
CL332488	CH242_12C11	T7	4	118267037	119282262	118.77	1.00E-19	LOC344982
CL358120	RP44_414A6	T7	4	118448853	118448922	118.45	2.00E-16	NA
CL344785	RP44_279K9	SP6	4	118604932	118604977	118.60	1.00E-06	LOC344980
CL341627	RP44_261A19	T7	4	118605238	118605286	118.61	6.00E-06	LOC344980
CL370985	RP44_300P9	SP6	4	118661152	118661216	118.66	6.00E-06	LOC344980
CL344709	RP44_279K9	T7	4	118775992	118776467	118.78	2.00E-36	NA
CL348101	RP44_273N12	SP6	4	119039396	119039634	119.04	6.00E-58	LOC344981
CL343166	RP44_276A16	SP6	4	119039396	119039634	119.04	7.00E-58	LOC344981
CL324116	RP44_463H12	T7	4	119277107	138495940	128.89	1.00E-49	LOC344982
CL383439	RP44_326G8	SP6	4	119339217	119339632	119.34	1.00E-06	LOC344982
CL376835	RP44_445J9	SP6	4	119437554	119437888	119.44	2.00E-27	NDST3
CL409979	RP44_418I8	T7	4	119449201	119449275	119.45	1.00E-16	NDST3
CL336964	RP44_263P10	T7	4	119541770	119542404	119.54	1.00E-50	NDST3
CL366918	RP44_363G19	T7	4	119549986	119550296	119.55	2.00E-15	NDST3
CL354110	RP44_405I24	SP6	4	119646587	119646699	119.65	7.00E-11	PRSS12
CL324720	RP44_477D23	T7	4	119677036	119677159	119.68	4.00E-06	LOC344983
CL376955	RP44_449O19	T7	4	120019197	120019273	120.02	2.00E-08	KIAA1627
CL344902	RP44_279C2	SP6	4	120051298	120051476	120.05	2.00E-21	SEC24D
CL344821	RP44_279C2	T7	4	120225887	120226164	120.23	2.00E-14	SYNPO2
CL363701	RP44_389J7	SP6	4	120279389	120279619	120.28	6.00E-15	SYNPO2
CL332491	CH242_12C17	T7	4	120289406	120289457	120.29	1.00E-07	SYNPO2
CL367492	RP44_367J3	T7	4	120367460	120367620	120.37	5.00E-22	SYNPO2
CL332579	CH242_12C17	SP6	4	120452161	120452673	120.45	7.00E-12	MYO22
CL351608	RP44_313K15	SP6	4	120546466	120546497	120.55	1.00E-07	NA
CL335088	RP44_252F11	SP6	4	120614731	120614778	120.61	5.00E-08	LOC344984
CL337154	RP44_264C23	SP6	4	120874023	120874252	120.87	2.00E-11	PDE5A
CL329043	RP44_382N11	T7	4	121148045	121148271	121.15	1.00E-58	LOC344985
CL359248	RP44_336B7	T7	4	121473185	121473516	121.47	e-116	LOC344986
CL373683	RP44_469G13	T7	4	121927087	121927176	121.93	4.00E-16	NA
CL373771	RP44_469G13	SP6	4	122111816	122111888	122.11	2.00E-15	PRDM5
CL413910	RP44_435G2	SP6	4	122112622	122112787	122.11	6.00E-71	PRDM5
CL372559	RP44_306F3	T7	4	122172420	122172733	122.17	4.00E-62	PRDM5
CL372634	RP44_306D3	SP6	4	122191049	122191686	122.19	4.00E-75	PRDM5
CL382958	RP44_325K4	SP6	4	122343675	122343757	122.34	2.00E-09	NA
CL372645	RP44_306F3	SP6	4	122357577	122357660	122.36	3.00E-17	FLJ23191
CL337178	RP44_264I9	SP6	4	122427321	122427417	122.43	5.00E-06	NA
CL382881	RP44_325K4	T7	4	122486613	122486675	122.49	2.00E-09	NA
CL339617	RP44_255F6	SP6	4	122564407	122564518	122.56	7.00E-15	NA
CL357896	RP44_413B6	SP6	4	122595162	122595280	122.60	1.00E-07	NA
CL349574	RP44_309O22	SP6	4	122644464	122644953	122.64	3.00E-54	NA
CL370854	RP44_300H3	T7	4	122653522	122653745	122.65	1.00E-13	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL327691	RP44_246O18	T7	4	122953343	122953797	122.95	4.00E-16	LOC344992
CL329742	RP44_394J18	T7	4	122955646	122955692	122.96	1.00E-09	LOC344992
CL370890	RP44_300N13	T7	4	123158319	123158553	123.16	3.00E-29	BBS7
CL329743	RP44_394J18	SP6	4	123159759	123160085	123.16	7.00E-85	BBS7
CL337175	RP44_264I3	SP6	4	123242006	123242441	123.24	e-155	TRPC3
CL344969	RP44_279O12	SP6	4	123489477	123489542	123.49	1.00E-06	NA
CL344887	RP44_279O12	T7	4	123660951	123661138	123.66	4.00E-72	KIAA1109
CL378994	RP44_425I16	SP6	4	123698254	123698662	123.70	1.00E-28	Tenr
CL378925	RP44_425I16	T7	4	123908797	123908877	123.91	6.00E-06	NA
CL367781	RP44_372J23	T7	4	123963838	123963898	123.96	5.00E-09	LOC344993
CL375872	RP44_441G5	SP6	4	123978523	123978875	123.98	9.00E-44	LOC344993
CL357316	RP44_412N12	SP6	4	124252480	124252940	124.25	9.00E-45	SPATA5
CL335343	RP44_253M24	T7	4	124306473	124306584	124.31	3.00E-22	SPATA5
CL332048	CH242_10C1	SP6	4	124486409	124486622	124.49	3.00E-66	SPATA5
CL357624	RP44_413K8	SP6	4	124736039	124736294	124.74	7.00E-61	LOC344994
CL411375	RP44_421L2	T7	4	124849053	124849109	124.85	3.00E-06	LOC344995
CL357541	RP44_413K8	T7	4	124946973	124947228	124.95	1.00E-22	NA
CL327268	RP44_245A18	SP6	4	125054369	125054426	125.05	9.00E-07	LOC351633
CL321110	CH242_15M10	T7	4	125058472	125058542	125.06	4.00E-07	LOC351633
CL349238	RP44_308L6	SP6	4	125064766	125064867	125.06	1.00E-28	LOC351633
CL349248	RP44_308N6	SP6	4	125064766	125064867	125.06	1.00E-28	LOC351633
CL348960	RP44_275J11	T7	4	125186786	125186853	125.19	5.00E-10	NA
CL353576	RP44_403O16	T7	4	125186786	125186853	125.19	4.00E-10	NA
CL343377	RP44_276L15	SP6	4	125334640	125334686	125.33	2.00E-09	NA
CL321397	CH242_20E13	T7	4	125675494	125675559	125.68	1.00E-06	LOC345000
CL390320	RP44_288C2	SP6	4	125799207	125799394	125.80	6.00E-09	LOC345001
CL325263	RP44_241A19	T7	4	125852490	125852832	125.85	4.00E-41	LOC345001
CL384229	RP44_328D8	T7	4	126016551	126016655	126.02	1.00E-07	NA
CL324858	RP44_478N3	SP6	4	126109708	126109830	126.11	3.00E-12	NA
CL389215	RP44_286M16	T7	4	126160006	126160167	126.16	3.00E-07	NA
CL381192	RP44_314P12	SP6	4	126169504	126169655	126.17	1.00E-25	NA
CL385421	RP44_330D22	T7	4	126230984	126231078	126.23	2.00E-09	NA
CL364106	RP44_396I7	T7	4	126271995	126272602	126.27	8.00E-20	NA
CL389293	RP44_286M16	SP6	4	126359627	126359872	126.36	3.00E-23	NA
CL409844	RP44_418I19	SP6	4	126359627	126359872	126.36	3.00E-23	NA
CL339164	RP44_268K14	SP6	4	126651659	126651917	126.65	2.00E-18	NA
CL374680	RP44_470F11	T7	4	126716785	126717089	126.72	4.00E-28	NA
CL351277	RP44_312K13	SP6	4	126727672	126727910	126.73	3.00E-26	NA
CL342927	RP44_276E15	T7	4	126821461	126821995	126.82	5.00E-90	NA
CL339094	RP44_268K14	T7	4	126841498	126841573	126.84	2.00E-12	NA
CL365393	RP44_353D6	T7	4	126890643	126891278	126.89	2.00E-40	NA
CL351202	RP44_312K13	T7	4	126921590	126921907	126.92	4.00E-47	NA
CL355344	RP44_409J17	T7	4	127035830	127036378	127.04	2.00E-64	NA
CL355425	RP44_409J17	SP6	4	127206142	127206288	127.21	5.00E-24	NA
CL346706	RP44_271E20	SP6	4	127206142	127206401	127.21	9.00E-42	NA
CL356119	RP44_410P20	T7	4	127279929	127279972	127.28	4.00E-10	NA
CL342954	RP44_276K3	T7	4	127499140	127499349	127.50	2.00E-47	NA
CL374606	RP44_470G14	SP6	4	127608314	127608432	127.61	7.00E-12	NA
CL374521	RP44_470G14	T7	4	127796788	127797324	127.80	3.00E-63	NA
CL368713	RP44_289H19	T7	4	127798536	127798578	127.80	4.00E-07	NA
CL345347	RP44_280O3	SP6	4	128115195	128115597	128.12	9.00E-67	NA
CL336947	RP44_263L18	T7	4	128273561	128274040	128.27	e-173	NA
CL373012	RP44_307B15	T7	4	128284294	128284760	128.28	e-148	NA
CL364915	RP44_400O19	T7	4	128284396	128284760	128.28	e-119	NA
CL329101	RP44_382D10	SP6	4	128290743	128290911	128.29	4.00E-13	NA
CL346582	RP44_270N2	SP6	4	128310708	128310942	128.31	2.00E-09	NA
CL346500	RP44_270N2	T7	4	128526074	128526416	128.53	1.00E-34	NA
CL331183	CH242_7C4	T7	4	128714017	128714461	128.71	1.00E-22	NA
CL351763	RP44_313I10	SP6	4	128785995	128786252	128.79	1.00E-16	LOC348860
CL350500	RP44_310N14	SP6	4	128803652	128803996	128.80	7.00E-15	LOC348860
CL336583	RP44_263A24	T7	4	129000296	129000365	129.00	3.00E-16	KIAA1284
CL351213	RP44_312M13	T7	4	129049094	129049266	129.05	5.00E-19	DKFZP434N1235
CL374035	RP44_469J19	T7	4	129323868	129323918	129.32	1.00E-07	FLJ21106
CL352815	RP44_401B12	SP6	4	129541005	129541140	129.54	1.00E-25	NA
CL374122	RP44_469J19	SP6	4	129541005	129541165	129.54	3.00E-26	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL440065	RP44_299B8	T7	4	129696196	129696651	129.70	7.00E-24	LOC345005
CL370348	RP44_295O19	SP6	4	129708397	129709175	129.71	8.00E-45	LOC345005
CL333178	RP44_249O21	T7	4	129889361	129889900	129.89	1.00E-28	LOC345006
CL413040	RP44_431N24	SP6	4	129915197	129915776	129.92	3.00E-11	LOC345006
CL363397	RP44_383P19	SP6	4	129993561	129994752	129.99	3.00E-14	NA
CL412963	RP44_431N24	T7	4	130142698	130143054	130.14	4.00E-07	Jade-1
CL323572	RP44_458O22	SP6	4	130184406	130184479	130.18	6.00E-09	Jade-1
CL383804	RP44_327I14	T7	4	130426010	130426205	130.43	1.00E-25	LOC132321
CL361505	RP44_350J14	SP6	4	130486406	130486768	130.49	5.00E-67	NA
CL354129	RP44_405O8	SP6	4	130503712	130503753	130.50	3.00E-09	NA
CL365419	RP44_353H22	T7	4	130547958	130548596	130.55	0	NA
CL381368	RP44_315P21	SP6	4	130548684	130549067	130.55	e-116	NA
CL363888	RP44_392I18	SP6	4	130561442	130561958	130.56	4.00E-53	NA
CL338094	RP44_265F13	SP6	4	130634119	130634201	130.63	7.00E-12	NA
CL353855	RP44_403F22	SP6	4	130634119	130634288	130.63	1.00E-10	NA
CL389029	RP44_286G19	T7	4	130640097	130640488	130.64	3.00E-10	NA
CL410509	RP44_419O8	T7	4	130664680	130664743	130.66	1.00E-12	NA
CL410388	RP44_419O9	T7	4	130664680	130664743	130.66	2.00E-12	NA
CL411728	RP44_429N3	SP6	4	130664680	130664824	130.66	4.00E-16	NA
CL388559	RP44_285C7	T7	4	130716148	130716518	130.72	7.00E-15	LOC345008
CL344180	RP44_278C4	T7	4	130770760	130771182	130.77	2.00E-36	LOC351636
CL353792	RP44_403F22	T7	4	130805718	130805837	130.81	3.00E-11	LOC351636
CL328721	RP44_370L22	T7	4	130805718	130806079	130.81	2.00E-11	LOC351636
CL380729	RP44_429N3	T7	4	130813294	130813818	130.81	3.00E-11	NA
CL385957	RP44_332H11	SP6	4	130821986	130822176	130.82	2.00E-64	NA
CL389104	RP44_286G19	SP6	4	130824248	130824376	130.82	5.00E-10	NA
CL360530	RP44_339B9	SP6	4	130885610	130886085	130.89	0	NA
CL360458	RP44_339B9	T7	4	131064094	131064490	131.06	2.00E-48	NA
CL384003	RP44_327D4	SP6	4	131205603	131205904	131.21	4.00E-07	NA
CL384114	RP44_328L9	T7	4	131299301	131299720	131.30	7.00E-18	NA
CL329223	RP44_382P18	SP6	4	131397583	131398220	131.40	7.00E-52	NA
CL379119	RP44_426A17	SP6	4	131456166	131456313	131.46	2.00E-36	NA
CL337042	RP44_263P6	SP6	4	131718973	131719066	131.72	2.00E-06	NA
CL351912	RP44_313H3	SP6	4	132445553	132446068	132.45	3.00E-41	NA
CL365745	RP44_355F23	SP6	4	132473693	132474125	132.47	3.00E-54	NA
CL365756	RP44_355J23	SP6	4	132473693	132474125	132.47	3.00E-54	NA
CL323160	RP44_457J21	SP6	4	132498530	132498717	132.50	1.00E-62	NA
CL365686	RP44_355F23	T7	4	132512213	132513138	132.51	1.00E-07	NA
CL365704	RP44_355J23	T7	4	132512213	132513138	132.51	1.00E-07	NA
CL359031	RP44_335F1	SP6	4	132767203	132767300	132.77	7.00E-09	NA
CL385697	RP44_332O19	SP6	4	133353401	133353530	133.35	3.00E-07	NA
CL327165	RP44_245I1	SP6	4	133580750	133581099	133.58	8.00E-95	LOC351640
CL341138	RP44_259O12	SP6	4	133711353	133711425	133.71	2.00E-08	LOC351640
CL344934	RP44_279I6	SP6	4	133956118	133956610	133.96	6.00E-40	NA
CL334667	RP44_251L12	SP6	4	134443795	134443871	134.44	8.00E-08	NA
CL330809	CH242_4H14	SP6	4	134546495	134546536	134.55	2.00E-06	NA
CL368064	RP44_288D5	T7	4	134724507	134724840	134.72	2.00E-24	NA
CL387454	RP44_281O20	SP6	4	134896321	134896606	134.90	5.00E-90	NA
CL337278	RP44_264O2	T7	4	134896321	134896606	134.90	4.00E-90	NA
CL377199	RP44_449M2	SP6	4	134952801	134953353	134.95	5.00E-19	NA
CL367497	RP44_367J13	T7	4	135323862	135324048	135.32	4.00E-06	LOC345015
CL364530	RP44_396F8	T7	4	135516101	135516205	135.52	2.00E-20	LOC132430
CL366564	RP44_362K10	SP6	4	135560347	135560399	135.56	6.00E-06	NA
CL332626	CH242_12M3	SP6	4	135666908	135666970	135.67	4.00E-07	NA
CL359491	RP44_336H16	SP6	4	135689340	135689393	135.69	1.00E-06	NA
CL333675	RP44_250E18	T7	4	135689340	135689393	135.69	1.00E-06	NA
CL363654	RP44_388N2	SP6	4	135695299	135695359	135.70	4.00E-13	NA
CL352967	RP44_402A11	SP6	4	135740450	135740660	135.74	7.00E-24	LOC345017
CL363585	RP44_388N2	T7	4	135875123	135875201	135.88	2.00E-14	NA
CL327662	RP44_246I18	T7	4	135875123	135875778	135.88	3.00E-91	NA
CL322273	RP44_404G4	SP6	4	135875148	135875182	135.88	4.00E-07	NA
CL409395	RP44_417C24	T7	4	135883376	135883476	135.88	8.00E-11	NA
CL332540	CH242_12M3	T7	4	135883376	135883794	135.88	5.00E-28	NA
CL330231	CH242_3P17	T7	4	136070775	136070947	136.07	3.00E-32	NA
CL410190	RP44_418F20	T7	4	136293285	136293429	136.29	3.00E-09	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL366093	RP44_358A22	SP6	4	136320686	136321268	136.32	2.00E-48	NA
CL388270	RP44_284J3	T7	4	136460538	136460595	136.46	4.00E-06	NA
CL333553	RP44_250I9	T7	4	136523898	136524325	136.52	1.00E-10	NA
CL376038	RP44_443E9	T7	4	136563180	136563739	136.56	0	NA
CL365054	RP44_400M4	SP6	4	137043892	137044076	137.04	7.00E-36	NA
CL389274	RP44_286I14	SP6	4	137053026	137053355	137.05	1.00E-69	NA
CL343020	RP44_276G9	SP6	4	137057055	137057167	137.06	3.00E-11	NA
CL355002	RP44_408P9	SP6	4	137117011	137117557	137.12	4.00E-16	NA
CL374457	RP44_470K21	SP6	4	137201427	137201559	137.20	5.00E-06	LOC345021
CL339089	RP44_268I22	T7	4	137392365	137392723	137.39	2.00E-15	NA
CL374368	RP44_470K21	T7	4	137403623	137403671	137.40	5.00E-06	NA
CL351861	RP44_313N3	T7	4	137446078	137446176	137.45	6.00E-12	NA
CL351944	RP44_313N3	SP6	4	137632793	137633099	137.63	6.00E-43	NA
CL322854	RP44_437M1	SP6	4	137832973	137833077	137.83	1.00E-07	LOC351644
CL368109	RP44_288L23	T7	4	138015976	138016200	138.02	2.00E-09	LOC345022
CL351756	RP44_313G16	SP6	4	138189117	138189182	138.19	2.00E-06	NA
CL321503	CH242_20L18	SP6	4	138238001	138238339	138.24	4.00E-49	NA
CL347846	RP44_273E22	T7	4	138319606	138319642	138.32	3.00E-06	LOC351645
CL348430	RP44_274P11	SP6	4	138509784	138509927	138.51	5.00E-22	NA
CL373063	RP44_307L11	T7	4	138598257	138598321	138.60	2.00E-13	NA
CL338948	RP44_268E23	T7	4	138689292	138689579	138.69	3.00E-09	NA
CL337838	RP44_265C8	T7	4	138997296	138997723	139.00	5.00E-59	NA
CL341203	RP44_260K19	SP6	4	138998225	138999127	139.00	3.00E-11	NA
CL341282	RP44_260K19	T7	4	139017305	139017480	139.02	2.00E-07	NA
CL342844	RP44_275F20	SP6	4	139196613	139196964	139.20	2.00E-12	NA
CL352833	RP44_401F2	SP6	4	139296613	139296869	139.30	2.00E-36	NA
CL325786	RP44_242K13	SP6	4	140063186	140063221	140.06	2.00E-10	LOC351646
CL322430	RP44_404L10	SP6	4	140075815	140075976	140.08	2.00E-38	LOC351646
CL389334	RP44_286H9	T7	4	140276744	140276816	140.28	6.00E-11	LOC345029
CL322223	RP44_404A4	SP6	4	140341866	140341982	140.34	2.00E-14	LOC345030
CL326747	RP44_244M5	SP6	4	141468941	141469492	141.47	1.00E-72	MAML3
CL362696	RP44_380L19	T7	4	141469195	141469398	141.47	8.00E-73	MAML3
CL351769	RP44_313K2	SP6	4	141566057	141566119	141.57	2.00E-09	NA
CL384784	RP44_329B21	SP6	4	141718604	141718684	141.72	7.00E-18	SCOC
CL353302	RP44_402B18	SP6	4	142058822	142058996	142.06	9.00E-21	KIAA0882
CL335759	RP44_254M17	T7	4	142058822	142059248	142.06	1.00E-22	KIAA0882
CL371859	RP44_304H23	SP6	4	142271927	142271976	142.27	4.00E-07	KIAA1214
CL411458	RP44_421L20	SP6	4	142710312	142710453	142.71	1.00E-07	LOC257239
CL439829	RP44_297J12	T7	4	142731467	142731555	142.73	4.00E-09	NA
CL330084	CH242_3C18	SP6	4	142962082	142962290	142.96	2.00E-08	NA
CL411060	RP44_420M2	T7	4	142974231	142974267	142.97	3.00E-06	NA
CL379332	RP44_426H1	T7	4	142974231	142974267	142.97	3.00E-06	NA
CL339201	RP44_268D21	T7	4	143125147	143125181	143.13	4.00E-07	NA
CL339223	RP44_268H21	T7	4	143125147	143125181	143.13	4.00E-07	NA
CL329999	CH242_3C18	T7	4	143214509	143214557	143.21	6.00E-06	LOC339957
CL390042	RP44_287L12	SP6	4	143300007	143300053	143.30	3.00E-07	NA
CL373412	RP44_308P23	T7	4	143515639	143516026	143.52	1.00E-25	INPP4B
CL369545	RP44_291I24	SP6	4	143526948	143527018	143.53	9.00E-10	INPP4B
CL324938	RP44_478H8	T7	4	143648257	143648327	143.65	3.00E-07	INPP4B
CL385963	RP44_332J7	SP6	4	143929973	143930176	143.93	7.00E-21	INPP4B
CL344663	RP44_279A15	T7	4	143946947	143947020	143.95	5.00E-07	INPP4B
CL389277	RP44_286I20	SP6	4	144067400	144067450	144.07	4.00E-07	LOC345036
CL329560	RP44_394F21	SP6	4	144067400	144067450	144.07	4.00E-07	LOC345036
CL382973	RP44_325M16	SP6	4	144067400	144067534	144.07	4.00E-19	LOC345036
CL339084	RP44_268G24	T7	4	144112448	144112702	144.11	7.00E-39	LOC345036
CL380590	RP44_429A12	SP6	4	144139482	144139867	144.14	4.00E-13	LOC345036
CL382896	RP44_325M16	T7	4	144260022	144260451	144.26	7.00E-83	NA
CL332956	CH242_12N22	T7	4	144312154	144312187	144.31	1.00E-06	NA
CL333040	CH242_12N22	SP6	4	144598953	144599056	144.60	2.00E-09	HP43.8KD
CL344794	RP44_279M5	SP6	4	144648955	144649427	144.65	2.00E-86	NA
CL344804	RP44_279O5	SP6	4	144648955	144649427	144.65	1.00E-86	NA
CL321107	CH242_15M4	SP6	4	145260538	145484895	145.37	3.00E-20	GYPE
CL373085	RP44_307P11	T7	4	146162061	146163333	146.16	3.00E-08	NA
CL350498	RP44_310N10	SP6	4	146239691	146239910	146.24	3.00E-20	LOC345042
CL324060	RP44_463N5	T7	4	146453507	146453826	146.45	1.00E-18	APC10

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL413668	RP44_433N6	SP6	4	146841844	146842020	146.84	5.00E-09	LOC133043
CL382073	RP44_323E24	SP6	4	146892349	146892655	146.89	4.00E-07	MADH1
CL439849	RP44_297N10	T7	4	146892349	146892655	146.89	3.00E-07	MADH1
CL439927	RP44_297N10	SP6	4	147121090	147121181	147.12	2.00E-08	LOC345046
CL360738	RP44_340P18	SP6	4	147178945	147179019	147.18	1.00E-09	LOC152485
CL347236	RP44_272O21	SP6	4	147301826	147301942	147.30	2.00E-15	LOC152485
CL360668	RP44_340P18	T7	4	147326987	147327519	147.33	e-128	NA
CL341393	RP44_260D15	SP6	4	147373506	147373890	147.37	e-118	LOC345048
CL344249	RP44_278O12	T7	4	147527735	147528266	147.53	4.00E-16	LOC345050
CL352999	RP44_402G15	SP6	4	147755528	147755732	147.76	5.00E-34	DKFZP566M114
CL327708	RP44_246C16	SP6	4	147804938	147805304	147.81	5.00E-59	DKFZP566M114
CL322824	RP44_437I1	SP6	4	147994802	147995184	147.99	2.00E-08	NA
CL327633	RP44_246C16	T7	4	148017841	148018357	148.02	e-129	LOC132294
CL340016	RP44_256J18	T7	4	148018118	148018763	148.02	8.00E-52	LOC132294
CL359888	RP44_338G21	SP6	4	148221164	148221779	148.22	1.00E-90	NYD-SP14
CL359806	RP44_338G21	T7	4	148416872	148417232	148.42	3.00E-53	LOC345054
CL342411	RP44_262C18	T7	4	148430426	148430729	148.43	2.00E-08	NA
CL329071	RP44_382B4	T7	4	148458697	148458942	148.46	1.00E-49	NA
CL350995	RP44_311D6	T7	4	148628144	148628192	148.63	1.00E-09	LOC351651
CL329663	RP44_394B12	T7	4	148628144	148628192	148.63	2.00E-08	LOC351651
CL334573	RP44_251D22	T7	4	148731075	148731348	148.73	4.00E-22	LOC345055
CL390327	RP44_288C16	SP6	4	148731075	148731350	148.73	4.00E-22	LOC345055
CL321936	CH242_15J4	T7	4	148918999	148920068	148.92	1.00E-71	EDNRA
CL375257	RP44_471E8	SP6	4	149005861	149006190	149.01	4.00E-22	FLJ10846
CL413720	RP44_435G15	T7	4	149467615	149467790	149.47	6.00E-55	NR3C2
CL352693	RP44_401J15	SP6	4	149569074	149569139	149.57	8.00E-08	NR3C2
CL410772	RP44_419P12	T7	4	149612288	149612402	149.61	2.00E-11	NR3C2
CL414029	RP44_435J16	T7	4	149827232	149827281	149.83	4.00E-09	NR3C2
CL369905	RP44_292N14	T7	4	149837877	149837921	149.84	4.00E-06	NA
CL386060	RP44_332N20	T7	4	150055380	150055428	150.06	7.00E-06	LOC345057
CL412829	RP44_431D17	SP6	4	150187362	150187822	150.19	6.00E-15	NA
CL329685	RP44_394D18	T7	4	150189021	150189067	150.19	1.00E-09	NA
CL346840	RP44_271B9	SP6	4	150189461	150189662	150.19	6.00E-46	NA
CL375675	RP44_436H4	T7	4	150252143	150252193	150.25	4.00E-07	LOC351654
CL337910	RP44_265A6	SP6	4	150509218	150509277	150.51	3.00E-10	LOC345059
CL371691	RP44_304G16	SP6	4	150813556	150813650	150.81	1.00E-09	NA
CL374297	RP44_469N18	SP6	4	150813556	150813650	150.81	4.00E-07	NA
CL375692	RP44_436J20	T7	4	150816879	150817194	150.82	2.00E-37	NA
CL375713	RP44_436N20	T7	4	150816879	150817194	150.82	1.00E-37	NA
CL375775	RP44_436J20	SP6	4	151020818	151020950	151.02	2.00E-34	LOC285423
CL375797	RP44_436N20	SP6	4	151020818	151020950	151.02	2.00E-34	LOC285423
CL369493	RP44_291M4	T7	4	151137918	151138008	151.14	1.00E-23	LOC285423
CL367266	RP44_365I3	SP6	4	151264179	151264337	151.26	2.00E-18	NA
CL323592	RP44_458B18	SP6	4	151269267	151269788	151.27	e-129	NA
CL412279	RP44_430J16	T7	4	151269267	151269788	151.27	e-135	NA
CL359833	RP44_338M17	T7	4	151299303	151299510	151.30	2.00E-24	NA
CL324112	RP44_463H2	T7	4	151343398	151343499	151.34	8.00E-07	NA
CL359913	RP44_338M17	SP6	4	151384804	151384849	151.38	2.00E-06	NA
CL367203	RP44_365I3	T7	4	151391872	151392203	151.39	e-113	NA
CL338244	RP44_265D6	SP6	4	151684034	151684186	151.68	2.00E-06	LRBA
CL355100	RP44_409E21	SP6	4	152177518	152177769	152.18	1.00E-47	LRBA
CL388604	RP44_285K19	T7	4	152185427	152186015	152.19	e-158	LRBA
CL390024	RP44_287H8	SP6	4	152185640	152186015	152.19	e-158	LRBA
CL345888	RP44_269I4	T7	4	152202061	152202283	152.20	7.00E-06	LRBA
CL373799	RP44_469M3	SP6	4	152258662	152258974	152.26	9.00E-36	LRBA
CL322058	RP44_399J3	T7	4	152303281	152813586	152.56	5.00E-06	LRBA
CL413119	RP44_432M23	T7	4	152521161	152521445	152.52	6.00E-28	DKFZp434D0215
CL362014	RP44_353F17	T7	4	152527837	152528080	152.53	5.00E-13	DKFZp434D0215
CL366145	RP44_358M18	SP6	4	152613319	152613838	152.61	3.00E-51	DKFZp434D0215
CL337132	RP44_264A1	SP6	4	153175433	153175610	153.18	1.00E-16	NA
CL371014	RP44_301E17	T7	4	153391166	153391231	153.39	1.00E-06	NA
CL378799	RP44_425A7	SP6	4	153581699	153581759	153.58	6.00E-06	NA
CL325087	RP44_479G21	SP6	4	153885770	153886290	153.89	1.00E-12	NA
CL343601	RP44_277G19	T7	4	153981360	153981442	153.98	9.00E-24	LOC351658
CL383323	RP44_325P6	SP6	4	154345479	154345947	154.35	1.00E-13	KIAA1727

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL370052	RP44_293E20	SP6	4	154421114	154421317	154.42	1.00E-18	NA
CL346294	RP44_270D15	T7	4	154855473	154855648	154.86	9.00E-32	KIAA0922
CL325834	RP44_242M16	T7	4	154933601	154933714	154.93	5.00E-09	KIAA0922
CL365567	RP44_354G19	T7	4	155212524	155212701	155.21	2.00E-14	NA
CL386510	RP44_334A18	SP6	4	155272320	155272364	155.27	7.00E-06	NA
CL377025	RP44_449K23	SP6	4	155301989	155302028	155.30	3.00E-08	NA
CL365627	RP44_354G19	SP6	4	155356043	155356164	155.36	1.00E-18	NA
CL340622	RP44_257P6	T7	4	155539832	155540092	155.54	1.00E-34	LOC345072
CL373430	RP44_308D19	SP6	4	155751607	155751753	155.75	4.00E-34	NA
CL336053	RP44_255O1	T7	4	156156089	156156322	156.16	1.00E-19	LOC351661
CL327229	RP44_245G24	T7	4	156742252	156742497	156.74	7.00E-30	FLJ21159
CL380244	RP44_428B22	SP6	4	156762013	156762371	156.76	6.00E-31	FLJ21159
CL347199	RP44_272I7	SP6	4	157017422	157017726	157.02	5.00E-06	NA
CL386215	RP44_333A18	SP6	4	157319315	157319470	157.32	1.00E-15	CTSO
CL359652	RP44_337A18	T7	4	157642697	157642775	157.64	3.00E-14	LOC351664
CL341846	RP44_261M22	T7	4	157764696	157764958	157.76	6.00E-74	LOC351664
CL326855	RP44_244C8	SP6	4	157926396	157926987	157.93	3.00E-20	NA
CL371917	RP44_304D16	T7	4	157956096	157956158	157.96	2.00E-14	NA
CL344886	RP44_279O10	T7	4	158361034	158361282	158.36	2.00E-22	NA
CL369574	RP44_292A7	T7	4	158428000	158428339	158.43	1.00E-09	NA
CL369641	RP44_292A7	SP6	4	158558767	158559028	158.56	4.00E-32	GLRB
CL340431	RP44_257B15	T7	4	158608261	158608763	158.61	e-131	GRIA2
CL370403	RP44_295F9	SP6	4	158637320	158637461	158.64	3.00E-07	GRIA2
CL329172	RP44_382L2	SP6	4	158655192	158655560	158.66	3.00E-29	GRIA2
CL321842	CH242_15G21	T7	4	158700458	158700500	158.70	4.00E-07	GRIA2
CL363998	RP44_393C2	SP6	4	158724231	158724465	158.72	e-107	GRIA2
CL320933	CH242_15G21	SP6	4	158853533	158853630	158.85	2.00E-18	LOC345391
CL323800	RP44_459J3	SP6	4	158869358	158869894	158.87	5.00E-19	LOC345391
CL409442	RP44_417O2	T7	4	158986387	158986440	158.99	2.00E-11	NA
CL360519	RP44_339P7	T7	4	159192293	159192380	159.19	1.00E-24	NA
CL363515	RP44_388N19	SP6	4	159232177	159232269	159.23	2.00E-15	NA
CL376192	RP44_443L9	T7	4	159269782	159269865	159.27	3.00E-08	NA
CL387495	RP44_281H19	T7	4	159299634	159300187	159.30	8.00E-12	LOC345392
CL346842	RP44_271B13	SP6	4	159299768	159300187	159.30	4.00E-10	LOC345392
CL376262	RP44_443L9	SP6	4	159405804	159405945	159.41	1.00E-18	NA
CL384651	RP44_329E24	SP6	4	159405804	159406025	159.41	4.00E-16	NA
CL362612	RP44_380G17	SP6	4	159578344	159578473	159.58	2.00E-12	LOC285505
CL386158	RP44_333C6	T7	4	159758409	159758613	159.76	4.00E-16	NA
CL385254	RP44_330M16	SP6	4	159923798	159924197	159.92	1.00E-16	LGR7
CL347029	RP44_271F24	SP6	4	160459740	160459792	160.46	8.00E-11	NA
CL413677	RP44_433N24	SP6	4	160506806	160506923	160.51	4.00E-07	NA
CL325191	RP44_479F5	T7	4	160569359	160569391	160.57	3.00E-06	NA
CL358004	RP44_414E13	T7	4	160709669	160709857	160.71	2.00E-46	PDZ-GEF1
CL370789	RP44_300I13	SP6	4	160941581	160941659	160.94	5.00E-10	LOC345237
CL363564	RP44_388H22	T7	4	160995265	160995535	161.00	e-107	LOC345237
CL335364	RP44_253C6	SP6	4	161120132	161120501	161.12	6.00E-24	NA
CL343035	RP44_276I19	SP6	4	161274655	161275315	161.27	5.00E-28	NA
CL380507	RP44_429C4	T7	4	161644602	161644852	161.64	2.00E-06	LOC351666
CL368380	RP44_289G11	T7	4	161652922	161653366	161.65	4.00E-84	LOC351666
CL411076	RP44_420O16	T7	4	162100440	162100724	162.10	6.00E-15	NA
CL380153	RP44_428B18	T7	4	162828013	162828082	162.83	5.00E-12	DKFZp566D234
CL384335	RP44_328H12	SP6	4	162937740	162937856	162.94	2.00E-06	DKFZp566D234
CL370393	RP44_295B19	SP6	4	163057579	163058160	163.06	5.00E-25	DKFZp566D234
CL384176	RP44_328H17	SP6	4	163167969	163168135	163.17	1.00E-07	DKFZp566D234
CL357364	RP44_413G21	T7	4	163387506	163387582	163.39	4.00E-06	DKFZp566D234
CL357574	RP44_413A6	SP6	4	163421789	163422197	163.42	9.00E-33	DKFZp566D234
CL330379	CH242_3L14	T7	4	163571013	163571045	163.57	6.00E-06	NA
CL330986	CH242_6K7	SP6	4	164246642	164246685	164.25	2.00E-10	LOC351669
CL372443	RP44_305P4	T7	4	165012817	165012903	165.01	2.00E-09	FLJ20668
CL374661	RP44_470B15	T7	4	165376516	165376601	165.38	7.00E-14	FLJ20668
CL362326	RP44_375N10	SP6	4	165377901	165378330	165.38	3.00E-69	FLJ20668
CL345126	RP44_279B18	T7	4	165537265	165537760	165.54	6.00E-28	FLJ20668
CL374882	RP44_470L22	T7	4	165646133	165646226	165.65	9.00E-08	FLJ20668
CL409335	RP44_417G9	SP6	4	165893567	165893608	165.89	1.00E-06	NA
CL370887	RP44_300N5	T7	4	165895634	165895860	165.90	5.00E-10	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL347946	RP44_273K22	SP6	4	166517499	166517559	166.52	2.00E-08	FLJ38482
CL348095	RP44_273L20	SP6	4	166517499	166517559	166.52	1.00E-08	FLJ38482
CL372884	RP44_307C16	T7	4	166699678	166699755	166.70	4.00E-16	KLHL2
CL381352	RP44_315N13	SP6	4	167048507	167048541	167.05	2.00E-09	LOC201929
CL338629	RP44_266O14	SP6	4	167074606	167074943	167.07	e-120	NA
CL376499	RP44_444L12	T7	4	167324737	167324826	167.32	2.00E-11	TLL1
CL326354	RP44_243C24	SP6	4	167376101	167376267	167.38	8.00E-11	TLL1
CL366996	RP44_363K7	SP6	4	167376737	167376842	167.38	1.00E-37	TLL1
CL367534	RP44_367B9	SP6	4	167972753	167973150	167.97	1.00E-07	NA
CL413518	RP44_433M10	SP6	4	168874719	168875288	168.88	3.00E-51	NA
CL414293	RP44_436K22	SP6	4	168874755	168875159	168.87	8.00E-42	NA
CL367479	RP44_367F19	T7	4	169816831	169816945	169.82	2.00E-18	FLJ20035
CL352320	RP44_400N20	T7	4	169990474	169990614	169.99	8.00E-21	NA
CL361891	RP44_353I5	T7	4	170125654	170125689	170.13	4.00E-08	KIAA0992
CL332112	CH242_10M17	SP6	4	170130272	170130320	170.13	6.00E-06	KIAA0992
CL369221	RP44_290K8	T7	4	170158207	170158563	170.16	5.00E-10	KIAA0992
CL323418	RP44_458O7	T7	4	170513229	170513362	170.51	4.00E-35	FLJ14431
CL353939	RP44_405I23	T7	4	170757341	170757789	170.76	5.00E-09	POSH
CL326501	RP44_243F10	T7	4	170928604	170928698	170.93	2.00E-08	NEK1
CL360378	RP44_339K12	T7	4	171529740	171529804	171.53	5.00E-06	KIAA0626
CL321113	CH242_15M12	SP6	4	171574738	171574810	171.57	5.00E-06	KATII
CL388707	RP44_285A10	T7	4	171857636	171857716	171.86	2.00E-08	LOC345247
CL329498	RP44_394O14	SP6	4	172082181	172082537	172.08	3.00E-35	NA
CL348582	RP44_275A7	T7	4	172507864	172508083	172.51	6.00E-40	NA
CL352995	RP44_402G5	SP6	4	173059309	173059739	173.06	4.00E-72	NA
CL352921	RP44_402G5	T7	4	173237227	173237389	173.24	1.00E-16	NA
CL364243	RP44_396A24	T7	4	173321460	173321881	173.32	3.00E-19	NA
CL339162	RP44_268K4	SP6	4	173497389	173497836	173.50	4.00E-41	NA
CL350378	RP44_310F8	T7	4	173714329	173714397	173.71	2.00E-08	LOC351687
CL376165	RP44_443F11	T7	4	173735248	173735536	173.74	6.00E-83	LOC351687
CL337480	RP44_264J11	SP6	4	173773128	173773185	173.77	6.00E-09	NA
CL332512	CH242_12G17	T7	4	173854117	173854299	173.85	2.00E-45	LOC345249
CL374886	RP44_470N8	T7	4	174027449	174027901	174.03	2.00E-14	NA
CL374959	RP44_470N8	SP6	4	174189085	174189237	174.19	8.00E-23	NA
CL333726	RP44_250A12	SP6	4	174325007	174325053	174.33	4.00E-07	LOC132602
CL331006	CH242_6O19	SP6	4	174351139	174351189	174.35	8.00E-12	NA
CL347892	RP44_273O16	T7	4	174662786	174662856	174.66	3.00E-19	LOC345307
CL378640	RP44_424P2	T7	4	174688769	174690316	174.69	4.00E-09	GALNT7
CL412396	RP44_430P20	SP6	4	175376155	175376499	175.38	3.00E-08	LOC351691
CL342002	RP44_261N9	T7	4	175447779	175448006	175.45	9.00E-17	NA
CL355477	RP44_409F20	T7	4	175720219	175720331	175.72	3.00E-20	NA
CL373720	RP44_469O1	T7	4	175791833	175792141	175.79	1.00E-06	KIAA1712
CL439666	RP44_297H3	T7	4	176258363	176258425	176.26	7.00E-17	GLRA3
CL332858	CH242_12J3	T7	4	177068852	177068906	177.07	9.00E-08	LOC339994
CL324560	RP44_475L6	T7	4	177283175	177283419	177.28	2.00E-07	GPM6A
CL338894	RP44_267G18	SP6	4	177367651	177371288	177.37	6.00E-06	LOC345231
CL347562	RP44_272P21	SP6	4	178048766	178049117	178.05	1.00E-43	NA
CL371853	RP44_304H11	SP6	4	178220940	178221309	178.22	2.00E-06	VEGFC
CL325465	RP44_241P13	T7	4	178252185	178252595	178.25	8.00E-30	VEGFC
CL325543	RP44_241P13	SP6	4	178391703	178392031	178.39	1.00E-53	LOC345234
CL333207	RP44_249E21	SP6	4	178448382	178448495	178.45	6.00E-12	LOC345234
CL332891	CH242_12B12	T7	4	178600813	178600899	178.60	4.00E-13	LOC351694
CL335551	RP44_253N19	SP6	4	178743749	178744047	178.74	2.00E-76	LOC345235
CL381907	RP44_323C11	SP6	4	178862684	178863192	178.86	2.00E-15	FLJ10858
CL332729	CH242_12O16	T7	4	178866753	178867029	178.87	4.00E-07	FLJ10858
CL342154	RP44_261P12	T7	4	178894973	178895466	178.90	1.00E-81	NA
CL335474	RP44_253N19	T7	4	178937945	178938012	178.94	6.00E-15	AGA
CL356145	RP44_410F12	SP6	4	178937945	178938077	178.94	7.00E-24	AGA
CL357628	RP44_413K16	SP6	4	178938815	178939064	178.94	4.00E-53	AGA
CL356679	RP44_411F24	SP6	4	178944346	178944472	178.94	1.00E-21	AGA
CL384376	RP44_328P10	SP6	4	179090698	179090983	179.09	3.00E-20	NA
CL354394	RP44_406P15	T7	4	179108365	179108438	179.11	1.00E-09	LOC285500
CL347507	RP44_272F13	SP6	4	179129737	179129801	179.13	2.00E-08	LOC285500
CL320266	CH242_2D21	T7	4	179152310	179152519	179.15	3.00E-50	LOC285500
CL347479	RP44_272P15	T7	4	179250287	179250506	179.25	2.00E-33	LOC285501

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL348649	RP44_275O3	T7	4	179250287	179250566	179.25	3.00E-57	LOC285501
CL383414	RP44_326A14	SP6	4	179496940	179497386	179.50	4.00E-78	NA
CL390291	RP44_288M2	T7	4	180064762	180064808	180.06	2.00E-14	LOC345104
CL390132	RP44_288M1	T7	4	180064762	180064843	180.06	4.00E-16	LOC345104
CL341252	RP44_260E21	T7	4	180064771	180064843	180.06	9.00E-11	LOC345104
CL355665	RP44_410A13	SP6	4	180498487	180498973	180.50	7.00E-98	NA
CL388435	RP44_284J2	T7	4	180704741	180704792	180.70	4.00E-10	NA
CL333467	RP44_249F12	SP6	4	180773955	180774307	180.77	2.00E-10	NA
CL333388	RP44_249F12	T7	4	180928293	180928733	180.93	3.00E-97	NA
CL409825	RP44_418E21	SP6	4	181917631	181917796	181.92	4.00E-47	NA
CL352803	RP44_401P2	T7	4	182035401	182035498	182.04	6.00E-09	LOC339971
CL321376	CH242_15N22	SP6	4	182044251	182044788	182.04	6.00E-12	LOC339971
CL321961	CH242_15N22	T7	4	182206059	182206557	182.21	0	LOC345107
CL371240	RP44_302G10	SP6	4	182416408	182416528	182.42	1.00E-09	NA
CL366751	RP44_362D14	T7	4	182416408	182416528	182.42	5.00E-12	NA
CL343600	RP44_277G17	T7	4	182435407	182435841	182.44	8.00E-12	NA
CL388577	RP44_285G3	T7	4	182443154	182443313	182.44	4.00E-10	NA
CL327680	RP44_246M16	T7	4	182447573	182447661	182.45	3.00E-08	NA
CL370098	RP44_294D9	T7	4	182452786	182453030	182.45	7.00E-08	NA
CL321623	CH242_13O8	T7	4	182547791	182547819	182.55	7.00E-06	NA
CL376723	RP44_445D21	T7	4	182580658	182580983	182.58	2.00E-60	NA
CL413050	RP44_431P24	SP6	4	182580658	182580986	182.58	6.00E-61	NA
CL344956	RP44_279M10	SP6	4	182581146	182581656	182.58	e-128	NA
CL384731	RP44_329H5	T7	4	182609831	182610078	182.61	5.00E-16	NA
CL370858	RP44_300H11	T7	4	182626987	182627342	182.63	e-167	NA
CL343680	RP44_277G17	SP6	4	182649386	182649702	182.65	6.00E-74	NA
CL327760	RP44_246M16	SP6	4	182654445	182654672	182.65	2.00E-24	NA
CL341781	RP44_261A18	T7	4	182936523	182937105	182.94	0	NA
CL410894	RP44_420K1	T7	4	182991948	182992365	182.99	e-157	NA
CL363917	RP44_392O14	SP6	4	183062317	183062662	183.06	7.00E-92	LOC345112
CL388362	RP44_284J21	SP6	4	183110578	183111456	183.11	4.00E-53	NA
CL338966	RP44_268K13	T7	4	183407019	183407403	183.41	e-101	NA
CL410925	RP44_420O23	T7	4	183416907	183417312	183.42	e-140	LOC152532
CL383629	RP44_327A13	T7	4	183432229	183439009	183.44	1.00E-13	LOC152532
CL322163	RP44_404G13	T7	4	183503719	183503772	183.50	5.00E-07	NA
CL330830	CH242_4L12	SP6	4	183508988	183509593	183.51	1.00E-19	LOC351702
CL383699	RP44_327C9	SP6	4	183550630	183550727	183.55	2.00E-15	LOC351702
CL389840	RP44_287A4	SP6	4	183575817	183575939	183.58	2.00E-19	LOC351702
CL345614	RP44_280B13	T7	4	183575817	183575939	183.58	5.00E-19	LOC351702
CL411004	RP44_420O23	SP6	4	183634367	183634585	183.63	2.00E-14	NA
CL383694	RP44_327A13	SP6	4	183634543	183634585	183.63	3.00E-14	NA
CL322164	RP44_404G13	SP6	4	183692431	183692666	183.69	2.00E-26	NA
CL366589	RP44_362O20	SP6	4	183702393	183702450	183.70	1.00E-06	NA
CL325157	RP44_479O19	SP6	4	183702393	183702450	183.70	1.00E-06	NA
CL330751	CH242_4L12	T7	4	183713617	183713821	183.71	1.00E-43	LOC351705
CL383633	RP44_327C9	T7	4	183741839	183742097	183.74	7.00E-55	NA
CL345700	RP44_280B13	SP6	4	183759948	183760197	183.76	5.00E-25	NA
CL344193	RP44_278E6	T7	4	183873270	183873826	183.87	2.00E-12	LOC345114
CL322472	RP44_404P18	T7	4	183940783	183940924	183.94	1.00E-35	NA
CL352594	RP44_401F15	T7	4	183951510	183952001	183.95	3.00E-13	LOC351706
CL381465	RP44_315D16	SP6	4	183973097	183973229	183.97	4.00E-15	LOC351706
CL385848	RP44_332B7	T7	4	183981640	183981805	183.98	1.00E-22	LOC351706
CL385926	RP44_332B7	SP6	4	184122396	184122784	184.12	2.00E-14	NA
CL352673	RP44_401F15	SP6	4	184125250	184125690	184.13	5.00E-65	NA
CL358141	RP44_414E20	T7	4	184210614	184210990	184.21	4.00E-56	NA
CL379573	RP44_426F4	SP6	4	184213941	184213992	184.21	1.00E-12	NA
CL345992	RP44_269O2	SP6	4	184213943	184213992	184.21	5.00E-09	NA
CL345917	RP44_269O2	T7	4	184436586	184436993	184.44	9.00E-08	NA
CL409747	RP44_417F18	SP6	4	184600206	184600603	184.60	2.00E-60	NA
CL346196	RP44_270O5	T7	4	184609946	184610331	184.61	5.00E-21	NA
CL371510	RP44_302B22	SP6	4	184650689	184651000	184.65	1.00E-09	LOC345118
CL330925	CH242_6M21	T7	4	185412414	185412833	185.41	e-122	DKFZp762K222
CL360650	RP44_340L22	T7	4	185464481	185464823	185.46	4.00E-09	DKFZp762K222
CL355101	RP44_409G3	SP6	4	185494092	185494481	185.49	3.00E-72	DKFZp762K222
CL343629	RP44_277M13	T7	4	185525574	185525955	185.53	4.00E-47	NA

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CL325134	RP44_479M9	T7	4	185526140	185526672	185.53	3.00E-32	NA
CL345541	RP44_280A12	SP6	4	185831921	185832057	185.83	4.00E-13	NA
CL338643	RP44_267A23	T7	4	185959793	185959846	185.96	1.00E-06	IRF2
CL345457	RP44_280A12	T7	4	186020025	186020423	186.02	1.00E-46	LOC345126
CL334860	RP44_252C24	T7	4	186148759	186150230	186.15	1.00E-22	CASP3
CL329349	RP44_386P10	T7	4	186829100	186829435	186.83	e-122	SNX25
CL351711	RP44_313O4	T7	4	186884236	186884576	186.88	8.00E-82	DKFZp76100113
CL329350	RP44_386P10	SP6	4	187028496	187028636	187.03	2.00E-11	ALP
CL336347	RP44_263O7	T7	4	187185574	187185635	187.19	2.00E-06	ARGBP2
CL356022	RP44_410N11	SP6	4	187279064	187279344	187.28	4.00E-16	ARGBP2
CL381492	RP44_315J14	SP6	4	188268449	188268581	188.27	7.00E-08	LOC345138
CL383007	RP44_325D17	T7	4	188434745	188434856	188.43	3.00E-10	NA
CL381412	RP44_315J14	T7	4	188442784	188443055	188.44	3.00E-38	NA
CL321019	CH242_15C20	T7	4	188591558	188591719	188.59	2.00E-12	NA
CL353931	RP44_405G19	T7	4	188707975	188708597	188.71	2.00E-08	NA
CL380570	RP44_429M18	T7	4	188831721	188832037	188.83	3.00E-48	LOC339975
CL364795	RP44_398P17	SP6	4	188867424	188867517	188.87	7.00E-09	LOC339975
CL338120	RP44_265L3	SP6	4	189071534	189071605	189.07	1.00E-07	NA
CL321413	CH242_20K3	T7	4	189193944	189194066	189.19	8.00E-14	LOC345145
CL409963	RP44_418E18	T7	4	189193944	189194066	189.19	9.00E-14	LOC345145
CL385581	RP44_332C19	T7	4	189290917	189291036	189.29	1.00E-12	NA
CL358823	RP44_415O8	T7	4	189508613	189508740	189.51	2.00E-17	ZFP42
CL350154	RP44_310G20	SP6	4	189522876	189522976	189.52	2.00E-12	NA
CL350072	RP44_310G20	T7	4	189579695	189579723	189.58	3.00E-06	NA
CL410537	RP44_419I6	SP6	4	189935097	189935252	189.94	1.00E-12	LOC345147
CL364523	RP44_396D18	T7	4	190209046	190209221	190.21	5.00E-15	NA
CL364524	RP44_396D20	T7	4	190209046	190209221	190.21	5.00E-15	NA
CL366387	RP44_358D12	SP6	4	190424957	190425123	190.43	3.00E-45	NA
CL389865	RP44_287E12	SP6	4	191076704	191076764	191.08	3.00E-06	LOC256307
CL411740	RP44_429P7	SP6	4	191187004	191187528	191.19	2.00E-58	LOC345159
CL409237	RP44_417C23	T7	4	191218507	191218706	191.22	7.00E-18	LOC345160
CL353445	RP44_403M3	T7	4	191301380	191301707	191.30	3.00E-28	LOC345162
CL381012	RP44_314L21	SP6	5	2463071	2463138	2.46	9.00E-20	NA
CL329302	RP44_386J2	SP6	5	2782947	2782984	2.78	7.00E-07	LOC153572
CL342441	RP44_262I12	T7	5	3054463	3054539	3.05	3.00E-13	NA
CL375428	RP44_471H7	SP6	5	3219388	3220032	3.22	0	LOC345428
CL387132	RP44_280N12	SP6	5	3367323	3367755	3.37	e-166	NA
CL382654	RP44_324P9	SP6	5	3428551	3429013	3.43	1.00E-07	NA
CL344958	RP44_279M14	SP6	5	4524188	4524414	4.52	9.00E-36	LOC345690
CL335655	RP44_253F22	SP6	5	4553582	4553623	4.55	2.00E-11	NA
CL361479	RP44_350P22	T7	5	4698912	4699192	4.70	4.00E-75	NA
CL337654	RP44_264N16	SP6	5	4822427	4822473	4.82	4.00E-07	LOC351797
CL344606	RP44_278H2	SP6	5	5271954	5272131	5.27	2.00E-11	ADAMTS16
CL409858	RP44_418M3	SP6	5	5321184	5321226	5.32	8.00E-10	ADAMTS16
CL344529	RP44_278H2	T7	5	5485964	5486109	5.49	3.00E-39	NA
CL336906	RP44_263D18	T7	5	7489236	7489491	7.49	1.00E-43	ADCY2
CL352181	RP44_314K19	T7	5	7651517	7651582	7.65	9.00E-14	ADCY2
CL377703	RP44_457C2	T7	5	7651537	7651735	7.65	4.00E-07	ADCY2
CL340985	RP44_258L8	SP6	5	7750006	7750129	7.75	1.00E-31	ADCY2
CL360930	RP44_343C15	SP6	5	8166996	8167048	8.17	9.00E-07	LOC345703
CL362492	RP44_377O2	SP6	5	8296709	8297117	8.30	3.00E-11	NA
CL369343	RP44_291A13	T7	5	8388223	9132207	8.76	2.00E-40	SEMA5A
CL369390	RP44_291A13	SP6	5	8416431	9200062	8.81	1.00E-96	SEMA5A
CL329993	CH242_3C4	T7	5	9030530	9030601	9.03	9.00E-08	NA
CL380955	RP44_314P23	T7	5	9344776	9344889	9.34	2.00E-11	SEMA5A
CL320942	CH242_15I15	SP6	5	9789675	9789841	9.79	2.00E-08	LOC285692
CL389998	RP44_287B18	SP6	5	9815973	9816235	9.82	3.00E-38	NA
CL385683	RP44_332K21	SP6	5	9815973	9816235	9.82	2.00E-38	NA
CL321851	CH242_15I15	T7	5	9955172	9955256	9.96	4.00E-07	NA
CL379115	RP44_426A5	SP6	5	10093122	10093200	10.09	5.00E-12	NA
CL337190	RP44_264K17	SP6	5	10231008	10231092	10.23	1.00E-13	NA
CL380635	RP44_429I20	SP6	5	10400741	10401036	10.40	3.00E-08	TEB4
CL357192	RP44_412D12	T7	5	10630784	10630849	10.63	1.00E-06	LOC345711
CL354822	RP44_408M10	SP6	5	10776486	10776554	10.78	3.00E-06	DAP
CL362107	RP44_353L9	SP6	5	10934995	10935224	10.94	2.00E-07	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL352063	RP44_313D8	SP6	5	11411880	11412157	11.41	2.00E-08	CTNND2
CL332755	CH242_12C24	SP6	5	11455670	11455765	11.46	4.00E-10	CTNND2
CL380187	RP44_428H20	T7	5	11484715	11485208	11.48	2.00E-18	CTNND2
CL385026	RP44_330K17	T7	5	11485122	11485242	11.49	2.00E-18	CTNND2
CL344289	RP44_278G14	SP6	5	11547360	11547544	11.55	2.00E-40	CTNND2
CL347484	RP44_272B3	SP6	5	11547360	11547579	11.55	7.00E-46	CTNND2
CL384940	RP44_329H6	SP6	5	11548079	11548182	11.55	3.00E-31	CTNND2
CL388841	RP44_285M8	SP6	5	11595173	11595398	11.60	2.00E-17	CTNND2
CL388460	RP44_284N16	T7	5	11614116	11614257	11.61	1.00E-12	CTNND2
CL366907	RP44_363E9	T7	5	11734211	11734462	11.73	9.00E-11	CTNND2
CL330936	CH242_6O23	T7	5	11827361	11827505	11.83	3.00E-23	CTNND2
CL322609	RP44_416A16	SP6	5	11884189	11884424	11.88	3.00E-17	CTNND2
CL380639	RP44_429K4	SP6	5	12348475	12348732	12.35	4.00E-20	NA
CL413505	RP44_433K6	SP6	5	12787611	12787758	12.79	9.00E-27	NA
CL368477	RP44_289I11	SP6	5	12846358	12846462	12.85	3.00E-20	NA
CL377214	RP44_449O12	SP6	5	13484685	13485099	13.48	2.00E-39	NA
CL355478	RP44_409H2	T7	5	14426883	14426940	14.43	2.00E-08	TRIO
CL336804	RP44_263P3	T7	5	14635028	14635197	14.64	1.00E-44	FLJ11127
CL381304	RP44_315D23	SP6	5	14644900	14644973	14.64	6.00E-09	NA
CL355551	RP44_409H2	SP6	5	14645435	14645566	14.65	2.00E-08	NA
CL413353	RP44_432P10	SP6	5	14872580	14872628	14.87	3.00E-08	ANKH
CL409558	RP44_417J11	T7	5	15063205	15063260	15.06	1.00E-07	LOC351818
CL325393	RP44_241O7	SP6	5	15139486	15139662	15.14	2.00E-32	NA
CL329434	RP44_394G18	SP6	5	15148226	15148383	15.15	2.00E-11	LOC345717
CL409105	RP44_416B20	T7	5	15205776	15205939	15.21	7.00E-11	LOC345717
CL329433	RP44_394G18	T7	5	15337522	15337634	15.34	1.00E-26	NA
CL387737	RP44_282G23	SP6	5	15408178	15408303	15.41	1.00E-06	LOC345720
CL353602	RP44_403E18	SP6	5	15424380	15424993	15.42	1.00E-25	LOC345720
CL410948	RP44_420E3	SP6	5	15507840	15508471	15.51	7.00E-89	NA
CL410863	RP44_420E3	T7	5	15507841	15508159	15.51	1.00E-61	NA
CL337930	RP44_265E10	SP6	5	15727956	15728217	15.73	7.00E-12	FBXL7
CL362333	RP44_375N24	SP6	5	15728127	15728217	15.73	5.00E-09	FBXL7
CL362265	RP44_375N24	T7	5	15881702	15881962	15.88	5.00E-15	FBXL7
CL337848	RP44_265E10	T7	5	15890807	15890936	15.89	2.00E-30	FBXL7
CL350274	RP44_310P23	T7	5	15890807	15890936	15.89	1.00E-32	FBXL7
CL355990	RP44_410H11	SP6	5	15999723	15999792	16.00	2.00E-18	LOC345721
CL335553	RP44_253P1	SP6	5	15999723	16000047	16.00	2.00E-18	LOC345721
CL372458	RP44_305B14	SP6	5	16041508	16041799	16.04	4.00E-13	LOC345721
CL327624	RP44_246A14	T7	5	16068723	16068981	16.07	1.00E-75	LOC345721
CL341675	RP44_261K21	T7	5	16124424	16124594	16.12	2.00E-27	LOC345722
CL387126	RP44_280L24	SP6	5	16242292	16242416	16.24	3.00E-11	NA
CL362262	RP44_375N18	T7	5	16242292	16242416	16.24	4.00E-16	NA
CL362330	RP44_375N18	SP6	5	16400927	16401328	16.40	4.00E-50	NA
CL340294	RP44_257E2	T7	5	16404072	16404511	16.40	1.00E-06	NA
CL369418	RP44_291I3	SP6	5	16617838	16617883	16.62	5.00E-09	FLJ20152
CL372819	RP44_306F24	SP6	5	17020703	17020883	17.02	4.00E-56	LOC345725
CL372339	RP44_305J19	SP6	5	17247881	17248274	17.25	1.00E-13	FLJ34047
CL372256	RP44_305J19	T7	5	17433872	17434761	17.43	3.00E-54	NA
CL327083	RP44_245E19	T7	5	17696836	17696903	17.70	9.00E-08	LOC345728
CL320568	CH242_10J8	T7	5	17892997	17893080	17.89	1.00E-07	NA
CL365923	RP44_356D14	T7	5	18987143	18987348	18.99	1.00E-06	LOC351938
CL350913	RP44_311D11	SP6	5	19125287	19125493	19.13	1.00E-36	NA
CL413938	RP44_435M14	SP6	5	19509599	19509895	19.51	2.00E-08	CDH18
CL327369	RP44_245J15	T7	5	19533245	19533280	19.53	7.00E-08	CDH18
CL372377	RP44_305B22	T7	5	19583810	19583940	19.58	2.00E-33	CDH18
CL356371	RP44_411K4	T7	5	20195505	20195543	20.20	1.00E-09	NA
CL375068	RP44_471A23	SP6	5	20953300	20953397	20.95	6.00E-09	NA
CL373351	RP44_308D7	T7	5	21211912	21212210	21.21	8.00E-18	NA
CL410484	RP44_419I4	T7	5	21599572	21599633	21.60	6.00E-06	NA
CL389988	RP44_287P10	T7	5	21599831	21599923	21.60	2.00E-16	NA
CL373846	RP44_469E12	T7	5	21816717	21816970	21.82	1.00E-50	CDH12
CL376125	RP44_443K6	T7	5	21933150	21933289	21.93	2.00E-13	CDH12
CL364929	RP44_400C4	T7	5	22402993	22403098	22.40	1.00E-06	CDH12
CL386008	RP44_332D14	T7	5	22542099	22542458	22.54	3.00E-66	CDH12
CL379099	RP44_426M19	T7	5	22989464	22989878	22.99	5.00E-59	LOC345735

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL381939	RP44_323K23	SP6	5	22998613	23002367	23.00	2.00E-12	LOC345735
CL384639	RP44_329C22	SP6	5	24288373	24288692	24.29	3.00E-22	LOC345737
CL409218	RP44_417A5	T7	5	24351909	24351945	24.35	7.00E-06	LOC345737
CL383722	RP44_327G15	SP6	5	24452282	24453107	24.45	6.00E-06	NA
CL320674	CH242_13C17	SP6	5	24606632	24606984	24.61	2.00E-77	CDH10
CL336595	RP44_263E4	T7	5	24641379	24641512	24.64	8.00E-19	CDH10
CL333003	CH242_12H10	SP6	5	24666604	24666679	24.67	2.00E-12	NA
CL320617	CH242_10N24	SP6	5	24668010	24668080	24.67	8.00E-06	NA
CL349905	RP44_310E13	T7	5	24839455	24839876	24.84	e-101	LOC340107
CL344685	RP44_279E19	T7	5	24872649	24872991	24.87	3.00E-14	NA
CL359623	RP44_337K7	SP6	5	24948126	24948182	24.95	5.00E-06	NA
CL384409	RP44_329E13	T7	5	25062873	25062943	25.06	4.00E-07	NA
CL344760	RP44_279E19	SP6	5	25092873	25092905	25.09	3.00E-08	NA
CL386947	RP44_335K3	SP6	5	25107583	25108065	25.11	1.00E-68	NA
CL384490	RP44_329E13	SP6	5	25244640	25244679	25.24	9.00E-08	NA
CL338202	RP44_265L2	T7	5	25450847	25451076	25.45	8.00E-33	NA
CL380546	RP44_429I14	T7	5	25896238	25896415	25.90	4.00E-28	NA
CL368668	RP44_289O14	SP6	5	26074550	26074598	26.07	6.00E-06	NA
CL380966	RP44_314D1	SP6	5	27117548	27117755	27.12	4.00E-53	NA
CL390353	RP44_288G24	SP6	5	27256290	27256660	27.26	4.00E-35	NA
CL380881	RP44_314D1	T7	5	27277932	27278141	27.28	1.00E-06	NA
CL409022	RP44_416B7	T7	5	27661048	27661138	27.66	3.00E-12	NA
CL373863	RP44_469G24	T7	5	28334259	28334622	28.33	2.00E-52	LOC345739
CL369981	RP44_292P18	SP6	5	28405602	28405836	28.41	4.00E-25	NA
CL374458	RP44_470K23	SP6	5	28572354	28572517	28.57	8.00E-39	NA
CL369916	RP44_292P18	T7	5	28714195	28714551	28.71	2.00E-09	LOC345740
CL325456	RP44_241N15	T7	5	29888174	29888324	29.89	1.00E-09	NA
CL331978	CH242_10E13	T7	5	29928135	29928214	29.93	4.00E-13	NA
CL383973	RP44_327L18	T7	5	30065214	30065271	30.07	1.00E-13	NA
CL385359	RP44_330H5	SP6	5	30205577	30205614	30.21	2.00E-06	LOC351945
CL327029	RP44_244J16	SP6	5	30275110	30275386	30.28	1.00E-22	LOC351945
CL338027	RP44_265H23	T7	5	30372152	30372290	30.37	9.00E-17	LOC202118
CL345495	RP44_280I4	T7	5	30479724	30482399	30.48	1.00E-07	LOC351946
CL335836	RP44_254O5	SP6	5	30482316	30482399	30.48	1.00E-07	LOC351946
CL324754	RP44_478A3	T7	5	30748648	30748735	30.75	9.00E-13	NA
CL349136	RP44_308F16	T7	5	30879216	30879244	30.88	3.00E-06	NA
CL372844	RP44_306L6	SP6	5	30955864	30956238	30.96	4.00E-43	NA
CL385110	RP44_330O13	SP6	5	30955864	30956284	30.96	2.00E-71	NA
CL330959	CH242_6E5	SP6	5	30957926	30958379	30.96	1.00E-59	NA
CL331641	CH242_8B23	T7	5	30981975	30982473	30.98	e-121	NA
CL376777	RP44_445N23	T7	5	31012202	31012298	31.01	2.00E-27	LOC133666
CL358916	RP44_335M24	SP6	5	31027482	31027813	31.03	e-132	LOC133666
CL409464	RP44_417C4	SP6	5	31033307	31033677	31.03	4.00E-16	LOC133666
CL381372	RP44_315B6	T7	5	31130882	31131405	31.13	1.00E-53	NA
CL383534	RP44_326N6	T7	5	31173083	31173274	31.17	6.00E-26	NA
CL387090	RP44_280F14	SP6	5	31186930	31187360	31.19	1.00E-28	NA
CL376864	RP44_445N23	SP6	5	31188939	31189563	31.19	6.00E-71	NA
CL358124	RP44_414A16	T7	5	31189294	31189498	31.19	2.00E-38	NA
CL331717	CH242_8B23	SP6	5	31192563	31192773	31.19	1.00E-26	NA
CL409388	RP44_417C4	T7	5	31201565	31202628	31.20	1.00E-10	CDH6
CL370757	RP44_300C1	SP6	5	31293874	31293959	31.29	1.00E-32	CDH6
CL374505	RP44_470E4	T7	5	31328351	31329042	31.33	e-111	NA
CL345808	RP44_280F14	T7	5	31364316	31366229	31.37	5.00E-31	NA
CL440214	RP44_300C1	T7	5	31491893	31492125	31.49	3.00E-14	RNASE3L
CL364729	RP44_398B23	SP6	5	31603792	31603851	31.60	7.00E-08	NA
CL380854	RP44_314M8	SP6	5	31688420	31688466	31.69	3.00E-07	LOC345745
CL354786	RP44_408C12	SP6	5	31818298	31818550	31.82	2.00E-20	PDZK3
CL364646	RP44_398B23	T7	5	31818298	31818550	31.82	2.00E-20	PDZK3
CL365932	RP44_356H4	T7	5	32092511	32092745	32.09	2.00E-64	PDZK3
CL356373	RP44_411K10	T7	5	32234643	32234825	32.23	9.00E-60	3PAP
CL364991	RP44_400A2	SP6	5	32241742	32241844	32.24	1.00E-28	3PAP
CL337816	RP44_265O7	SP6	5	32435605	32435669	32.44	2.00E-08	ZFR
CL365361	RP44_400L8	T7	5	32709032	32709689	32.71	7.00E-18	NPR3
CL327465	RP44_245P11	SP6	5	33071308	33071596	33.07	1.00E-15	NA
CL335660	RP44_253H20	SP6	5	33158828	33158895	33.16	5.00E-09	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL386765	RP44_334P18	T7	5	33190563	33190622	33.19	9.00E-08	NA
CL345165	RP44_279J16	T7	5	33258262	33258501	33.26	4.00E-13	LOC345749
CL344074	RP44_278M11	T7	5	33259207	33259278	33.26	7.00E-06	LOC345749
CL323684	RP44_458J22	SP6	5	33272674	33273070	33.27	4.00E-10	LOC345749
CL342307	RP44_262O9	T7	5	33343557	33344051	33.34	6.00E-21	LOC345749
CL382129	RP44_323B7	T7	5	33362556	33362876	33.36	1.00E-62	LOC345749
CL382302	RP44_323D24	SP6	5	33631344	33631444	33.63	2.00E-15	ADAMTS12
CL350987	RP44_311B14	T7	5	33648197	33648265	33.65	7.00E-11	ADAMTS12
CL356554	RP44_411H15	SP6	5	33719303	33719342	33.72	8.00E-08	ADAMTS12
CL352638	RP44_401N21	T7	5	33768371	33768462	33.77	1.00E-12	ADAMTS12
CL414376	RP44_436N11	T7	5	33770045	33770421	33.77	4.00E-07	ADAMTS12
CL362081	RP44_353F7	SP6	5	33786843	33786933	33.79	6.00E-08	ADAMTS12
CL323019	RP44_455D14	SP6	5	33841788	33841846	33.84	4.00E-12	ADAMTS12
CL362011	RP44_353F7	T7	5	33963070	33963602	33.96	4.00E-53	MATP
CL352717	RP44_401N21	SP6	5	33963372	33963615	33.96	4.00E-50	MATP
CL374515	RP44_470G2	T7	5	34602475	34603073	34.60	2.00E-06	NA
CL354089	RP44_405A20	SP6	5	34632491	34632825	34.63	9.00E-26	NA
CL385936	RP44_332D9	SP6	5	34633115	34633174	34.63	2.00E-08	NA
CL362029	RP44_353J5	T7	5	34761432	34761469	34.76	1.00E-06	RAI14
CL350738	RP44_311O20	T7	5	34762316	34762600	34.76	8.00E-30	RAI14
CL385857	RP44_332D9	T7	5	34843495	34843645	34.84	5.00E-24	FLJ25439
CL344477	RP44_278L15	SP6	5	34953663	34954296	34.95	4.00E-13	LOC134218
CL350012	RP44_310K15	SP6	5	35148698	35148779	35.15	2.00E-06	PRLR
CL376147	RP44_443B7	T7	5	35210920	35211067	35.21	3.00E-29	PRLR
CL340618	RP44_257N22	T7	5	35264736	35264999	35.26	1.00E-31	NA
CL380952	RP44_314P15	T7	5	35367792	35367937	35.37	7.00E-21	NA
CL340694	RP44_257N22	SP6	5	35470485	35470751	35.47	4.00E-13	NA
CL332313	CH242_10B15	T7	5	36337612	36337692	36.34	4.00E-07	LOC345511
CL368139	RP44_288D9	SP6	5	36440293	36440514	36.44	2.00E-11	NA
CL365536	RP44_353P20	SP6	5	36522748	36522833	36.52	6.00E-09	LOC340057
CL365451	RP44_353P20	T7	5	36690509	36690573	36.69	7.00E-18	LOC345512
CL349851	RP44_309L6	SP6	5	36692552	36692596	36.69	3.00E-06	LOC345512
CL339269	RP44_268B9	SP6	5	37004535	37004609	37.00	3.00E-10	IDN3
CL327730	RP44_246G18	SP6	5	37045097	37045763	37.05	4.00E-31	IDN3
CL386833	RP44_335C3	T7	5	37167262	37167451	37.17	3.00E-39	FLJ13231
CL359583	RP44_337A5	SP6	5	37364468	37364604	37.36	3.00E-43	NUP155
CL386909	RP44_335C3	SP6	5	37395831	37396737	37.40	2.00E-36	FLJ10233
CL359518	RP44_337A5	T7	5	37561607	37561868	37.56	3.00E-25	FLJ10233
CL325173	RP44_479B19	SP6	5	37561825	37562195	37.56	4.00E-74	FLJ10233
CL373552	RP44_457N3	T7	5	37821053	37821286	37.82	4.00E-13	GDNF
CL372394	RP44_305F14	T7	5	38004022	38004095	38.00	7.00E-06	LOC345517
CL373941	RP44_469G10	SP6	5	38118853	38118941	38.12	6.00E-06	NA
CL412117	RP44_430H23	SP6	5	38135411	38135510	38.14	1.00E-12	NA
CL374532	RP44_470I14	T7	5	38167270	38167432	38.17	7.00E-45	LOC351950
CL322896	RP44_437A10	SP6	5	38240552	38240766	38.24	8.00E-80	NA
CL330334	CH242_3D14	T7	5	38246178	38246731	38.25	9.00E-17	NA
CL412196	RP44_430H23	T7	5	38259328	38259599	38.26	3.00E-35	FLJ39155
CL352727	RP44_401B2	T7	5	38345959	38345991	38.35	5.00E-06	FLJ39155
CL348183	RP44_274O3	T7	5	38370301	38370695	38.37	3.00E-75	FLJ39155
CL357928	RP44_413H4	SP6	5	38404137	38404200	38.40	5.00E-06	FLJ39155
CL389812	RP44_287K12	T7	5	38413758	38413926	38.41	5.00E-40	FLJ39155
CL320391	CH242_6J2	T7	5	38478442	38478955	38.48	2.00E-08	NA
CL352810	RP44_401B2	SP6	5	38485012	38485150	38.49	1.00E-50	LIFR
CL339173	RP44_268M12	SP6	5	38580200	38580446	38.58	4.00E-28	LIFR
CL409677	RP44_417F4	T7	5	38654511	38654824	38.65	1.00E-06	NA
CL320392	CH242_6J2	SP6	5	38671338	38671554	38.67	9.00E-14	LOC345521
CL359797	RP44_338G3	T7	5	38757943	38758338	38.76	5.00E-06	NA
CL409741	RP44_417F4	SP6	5	38845993	38846036	38.85	8.00E-08	NA
CL356919	RP44_412I20	T7	5	39440744	39440868	39.44	1.00E-14	LOC345549
CL348715	RP44_275M5	SP6	5	39761107	39761424	39.76	e-100	NA
CL380999	RP44_314J11	SP6	5	40321221	40321283	40.32	6.00E-12	LOC345555
CL381168	RP44_314L10	SP6	5	40321221	40321283	40.32	6.00E-12	LOC345555
CL360359	RP44_339E10	T7	5	40442859	40443186	40.44	6.00E-21	NA
CL370834	RP44_300D1	T7	5	40529420	40529499	40.53	8.00E-18	NA
CL347244	RP44_272A16	T7	5	40760068	40760438	40.76	e-111	PRKAA1

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CL326087	RP44_242L16	SP6	5	40765129	40765492	40.77	e-127	PRKAA1
CL346571	RP44_270L2	SP6	5	40832910	40832979	40.83	6.00E-21	RPL37
CL373627	RP44_457L22	T7	5	41012817	41013156	41.01	3.00E-57	FLJ40243
CL375712	RP44_436N18	T7	5	41163350	41163411	41.16	7.00E-09	C6
CL368469	RP44_289G15	SP6	5	41304861	41305387	41.31	3.00E-08	NA
CL375796	RP44_436N18	SP6	5	41344535	41345079	41.34	4.00E-07	LOC345557
CL366082	RP44_358O14	T7	5	41353181	41353724	41.35	1.00E-07	LOC345557
CL388536	RP44_284P4	SP6	5	41419064	41419112	41.42	7.00E-11	LOC345557
CL336203	RP44_255L19	T7	5	41446583	41447490	41.45	2.00E-58	NA
CL352785	RP44_401L4	T7	5	41446583	41447583	41.45	7.00E-86	NA
CL412266	RP44_430H10	T7	5	41465168	41465510	41.47	1.00E-06	LOC351952
CL336282	RP44_255L19	SP6	5	41674430	41674914	41.67	1.00E-13	NA
CL412350	RP44_430H10	SP6	5	41674430	41674914	41.67	3.00E-11	NA
CL352862	RP44_401L4	SP6	5	41700196	41700518	41.70	2.00E-33	NA
CL377058	RP44_449A20	T7	5	41728163	41728423	41.73	9.00E-08	NA
CL334708	RP44_252E1	T7	5	41751508	41751648	41.75	2.00E-15	OXCT
CL388100	RP44_284E22	T7	5	41765942	41766455	41.77	7.00E-27	OXCT
CL352136	RP44_314A9	T7	5	42196738	42196819	42.20	6.00E-09	NA
CL352137	RP44_314A11	T7	5	42196738	42196893	42.20	3.00E-17	NA
CL377668	RP44_457K21	SP6	5	42518596	42519036	42.52	2.00E-09	GHR
CL381844	RP44_323C15	T7	5	42519531	42519774	42.52	1.00E-06	GHR
CL357483	RP44_413O13	SP6	5	42568969	42569087	42.57	1.00E-14	GHR
CL410147	RP44_418N13	T7	5	42667464	42667542	42.67	5.00E-10	GHR
CL341156	RP44_260C1	SP6	5	43488084	43488266	43.49	5.00E-25	NA
CL371451	RP44_302B18	T7	5	43700229	43700349	43.70	7.00E-37	NNT
CL341990	RP44_261L3	T7	5	43967265	43967773	43.97	6.00E-18	NA
CL386180	RP44_333K8	T7	5	44021427	44021662	44.02	2.00E-39	LOC351955
CL328047	RP44_246N12	SP6	5	44066266	44066675	44.07	4.00E-13	LOC351955
CL386256	RP44_333K8	SP6	5	44240895	44240998	44.24	9.00E-08	NA
CL409743	RP44_417F8	SP6	5	44269325	44269444	44.27	3.00E-16	NA
CL371732	RP44_304B5	T7	5	44269325	44269444	44.27	4.00E-16	NA
CL321149	CH242_15B7	T7	5	44271910	44271969	44.27	3.00E-08	NA
CL331316	CH242_7M4	SP6	5	44304245	44304882	44.30	0	NA
CL334180	RP44_251A21	SP6	5	44312740	44312896	44.31	2.00E-15	FGF10
CL332546	CH242_12M17	T7	5	44314668	44315008	44.31	8.00E-12	FGF10
CL337246	RP44_264E24	T7	5	44426681	44426817	44.43	9.00E-14	NA
CL330340	CH242_3F2	T7	5	44496553	44497089	44.50	5.00E-68	LOC345568
CL408460	RP44_415M22	SP6	5	44506905	44507414	44.51	1.00E-56	LOC345568
CL336692	RP44_263G24	SP6	5	44616377	44616678	44.62	3.00E-08	NA
CL321640	CH242_13A22	SP6	5	44646280	44646669	44.65	e-108	NA
CL382056	RP44_323C12	SP6	5	44747694	44747852	44.75	2.00E-21	NA
CL321553	CH242_13A22	T7	5	44861469	44861899	44.86	4.00E-41	LOC345569
CL366598	RP44_362D3	T7	5	44997772	44997903	45.00	9.00E-30	LOC345569
CL328481	RP44_248H19	SP6	5	45051980	45052127	45.05	7.00E-08	LOC345569
CL366673	RP44_362D3	SP6	5	45051980	45052443	45.05	3.00E-11	LOC345569
CL382423	RP44_324K13	T7	5	45051980	45052443	45.05	3.00E-11	LOC345569
CL413983	RP44_435L7	T7	5	45070243	45070323	45.07	6.00E-14	LOC345569
CL380010	RP44_428F23	T7	5	45070543	45070608	45.07	2.00E-06	LOC345569
CL376847	RP44_445L11	SP6	5	45179699	45179756	45.18	5.00E-06	LOC345569
CL356407	RP44_411C24	SP6	5	45262378	45262851	45.26	8.00E-82	LOC348980
CL376759	RP44_445L11	T7	5	45413741	45414036	45.41	2.00E-11	LOC348980
CL375370	RP44_471L15	T7	5	45572816	45572954	45.57	1.00E-06	LOC348980
CL338289	RP44_265L12	SP6	5	45740390	45740477	45.74	1.00E-19	NA
CL354445	RP44_407A4	T7	5	45758308	45758356	45.76	2.00E-06	NA
CL387980	RP44_284K19	T7	5	45774414	45774661	45.77	5.00E-20	NA
CL366265	RP44_358J5	SP6	5	49611289	49611749	49.61	8.00E-36	NA
CL348759	RP44_275E8	T7	5	49961778	49961813	49.96	1.00E-07	FLJ21308
CL320585	CH242_10L10	T7	5	49971470	49971628	49.97	8.00E-30	FLJ21308
CL349975	RP44_310E1	SP6	5	49978245	49978643	49.98	8.00E-51	FLJ21308
CL377487	RP44_449H22	SP6	5	50029776	50029915	50.03	5.00E-15	FLJ21308
CL364105	RP44_396I5	T7	5	50293803	50293898	50.29	6.00E-14	NA
CL368373	RP44_289E21	T7	5	50433255	50433580	50.43	1.00E-41	NA
CL389479	RP44_286F8	T7	5	50483599	50483853	50.48	5.00E-06	NA
CL355875	RP44_410B15	T7	5	50493291	50493520	50.49	2.00E-36	NA
CL364012	RP44_393E22	SP6	5	50539565	50539819	50.54	1.00E-37	NA

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CL409623	RP44_417J1	SP6	5	50660241	50660530	50.66	3.00E-93	ISL1
CL439923	RP44_297L24	SP6	5	50692655	50692693	50.69	4.00E-07	NA
CL335905	RP44_254N20	T7	5	50777901	50777969	50.78	3.00E-08	LOC351914
CL321664	CH242_13G8	SP6	5	50792829	50792898	50.79	8.00E-14	LOC351914
CL338663	RP44_267E23	T7	5	50839293	50840357	50.84	3.00E-51	LOC351914
CL386489	RP44_334K18	T7	5	50887904	50888403	50.89	3.00E-53	NA
CL354652	RP44_408E11	SP6	5	50943799	50944032	50.94	1.00E-37	NA
CL321582	CH242_13G8	T7	5	50969292	50969726	50.97	3.00E-26	NA
CL387467	RP44_281D3	T7	5	51002728	51002838	51.00	3.00E-11	NA
CL373400	RP44_308N19	T7	5	51112957	51113007	51.11	3.00E-07	NA
CL341550	RP44_260D6	SP6	5	51251987	51252105	51.25	8.00E-21	NA
CL341470	RP44_260D6	T7	5	51448234	51448514	51.45	1.00E-13	NA
CL366140	RP44_358K24	SP6	5	51448468	51448514	51.45	1.00E-05	NA
CL324196	RP44_474A16	T7	5	51518371	51518442	51.52	5.00E-10	LOC351915
CL363681	RP44_389D23	SP6	5	51587724	51587970	51.59	4.00E-07	NA
CL368700	RP44_289F11	T7	5	51681559	55578170	53.63	3.00E-10	NA
CL363745	RP44_389D23	T7	5	51757960	51758466	51.76	7.00E-70	NA
CL326773	RP44_244A18	T7	5	51788316	51788449	51.79	2.00E-09	NA
CL326849	RP44_244A18	SP6	5	52001243	52001677	52.00	1.00E-06	NA
CL376476	RP44_444D8	T7	5	52043561	52043757	52.04	2.00E-54	NA
CL326385	RP44_243K24	SP6	5	52130098	52130186	52.13	1.00E-06	NA
CL336920	RP44_263H2	T7	5	52171715	52171817	52.17	3.00E-14	NA
CL331712	CH242_8P21	T7	5	52297279	52297586	52.30	2.00E-55	ITGA2
CL337001	RP44_263H2	SP6	5	52340918	52340963	52.34	1.00E-06	ITGA2
CL331785	CH242_8P21	SP6	5	52446360	52446616	52.45	4.00E-68	NA
CL329621	RP44_394N9	T7	5	52544216	52544592	52.54	9.00E-32	NA
CL409517	RP44_417M16	SP6	5	52570458	52570758	52.57	1.00E-68	NA
CL335880	RP44_254H18	T7	5	52629224	52629492	52.63	8.00E-61	NA
CL339258	RP44_268P11	T7	5	52799736	52799835	52.80	1.00E-12	NA
CL335954	RP44_254H18	SP6	5	52800601	52801113	52.80	4.00E-13	NA
CL348902	RP44_275M22	SP6	5	52932599	52932764	52.93	7.00E-09	NDUFS4
CL346950	RP44_271H4	T7	5	53168293	53168393	53.17	3.00E-25	FLJ20051
CL363697	RP44_389H21	SP6	5	53184138	53184920	53.18	5.00E-65	FLJ20051
CL373043	RP44_307H9	T7	5	53233755	53233799	53.23	1.00E-10	FLJ20051
CL356645	RP44_411N22	T7	5	53359079	53359457	53.36	1.00E-12	FLJ20051
CL355706	RP44_410M15	SP6	5	53359267	53359465	53.36	1.00E-17	FLJ20051
CL366006	RP44_356L16	SP6	5	53376755	53377220	53.38	3.00E-10	FLJ20051
CL373175	RP44_307P21	SP6	5	53524007	53524314	53.52	2.00E-27	FLJ20051
CL327464	RP44_245P5	SP6	5	53723094	53723484	53.72	2.00E-08	NA
CL324047	RP44_463L1	T7	5	54135176	54135714	54.14	4.00E-87	LOC345642
CL344792	RP44_279M1	SP6	5	54229280	54229357	54.23	6.00E-09	NA
CL409692	RP44_417H18	T7	5	54398989	54399041	54.40	2.00E-08	FLJ37927
CL344716	RP44_279M1	T7	5	54430535	54430987	54.43	6.00E-14	FLJ37927
CL362900	RP44_380H22	SP6	5	54528001	54528151	54.53	6.00E-12	DDXx
CL339876	RP44_256L1	T7	5	54528037	54528151	54.53	3.00E-07	DDXx
CL367986	RP44_374N19	SP6	5	54644604	54644733	54.64	7.00E-21	KIAA0052
CL339952	RP44_256L1	SP6	5	54735985	54736107	54.74	2.00E-11	PPAP2A
CL367916	RP44_374N19	T7	5	54786365	54786799	54.79	8.00E-55	PPAP2A
CL382150	RP44_323F7	T7	5	55081663	55081805	55.08	1.00E-40	DDX4
CL439745	RP44_297H17	SP6	5	55449859	55449981	55.45	2.00E-40	LOC166974
CL373401	RP44_308P1	T7	5	55693424	55693501	55.69	1.00E-06	NA
CL409924	RP44_418M7	T7	5	55716872	55716943	55.72	4.00E-22	NA
CL412101	RP44_430F7	SP6	5	56296585	56296788	56.30	3.00E-23	NA
CL412182	RP44_430F7	T7	5	56527529	56527589	56.53	2.00E-20	DKFZp761C169
CL388684	RP44_285M5	SP6	5	56613517	56613593	56.61	3.00E-08	NA
CL372156	RP44_305C13	SP6	5	57564657	57564730	57.56	1.00E-11	LOC351923
CL358160	RP44_414I16	T7	5	57686839	57686891	57.69	2.00E-08	NA
CL338403	RP44_266C9	SP6	5	57719001	57719125	57.72	8.00E-08	NA
CL411886	RP44_430K11	SP6	5	57937229	57937313	57.94	1.00E-10	LOC115827
CL372304	RP44_305D11	SP6	5	58230034	58230079	58.23	1.00E-06	NA
CL347972	RP44_273B18	T7	5	58259710	58259872	58.26	6.00E-67	PDE4D
CL327088	RP44_245G9	T7	5	58302479	58302931	58.30	5.00E-06	PDE4D
CL379847	RP44_428G14	T7	5	58346955	58347267	58.35	1.00E-19	PDE4D
CL372219	RP44_305D11	T7	5	58410023	58410064	58.41	1.00E-06	PDE4D
CL353214	RP44_402H3	SP6	5	58425835	58425890	58.43	6.00E-15	PDE4D

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CL336126	RP44_255K23	SP6	5	58448430	58449179	58.45	5.00E-16	PDE4D
CL327160	RP44_245G9	SP6	5	58487112	58487229	58.49	1.00E-13	PDE4D
CL321109	CH242_15M6	SP6	5	58535692	58535750	58.54	4.00E-07	PDE4D
CL412461	RP44_431M11	T7	5	58551876	58552115	58.55	1.00E-13	PDE4D
CL336043	RP44_255K23	T7	5	58685417	58685458	58.69	4.00E-09	PDE4D
CL411100	RP44_420E16	SP6	5	58874326	58874768	58.87	6.00E-15	LOC253295
CL353841	RP44_403B22	SP6	5	58931745	58931804	58.93	1.00E-10	LOC253295
CL352920	RP44_402G3	T7	5	58976916	58977137	58.98	2.00E-15	LOC253295
CL376781	RP44_445P9	T7	5	59033999	59034441	59.03	3.00E-75	LOC253295
CL352994	RP44_402G3	SP6	5	59132355	59132397	59.13	5.00E-07	LOC253295
CL411875	RP44_430G13	SP6	5	59170985	59171047	59.17	5.00E-12	LOC253295
CL345134	RP44_279D14	T7	5	59178013	59178246	59.18	3.00E-14	LOC253295
CL345216	RP44_279D14	SP6	5	59306142	59306208	59.31	7.00E-12	LOC153651
CL390176	RP44_288E3	SP6	5	59446332	59446397	59.45	3.00E-11	LOC153651
CL368148	RP44_288F3	SP6	5	59446332	59446397	59.45	1.00E-13	LOC153651
CL344498	RP44_278P15	SP6	5	59623819	59624008	59.62	1.00E-22	LOC345658
CL389303	RP44_286O22	SP6	5	59623819	59624008	59.62	1.00E-22	LOC345658
CL321410	CH242_20I17	T7	5	59633258	59633306	59.63	2.00E-06	LOC345658
CL366044	RP44_358E8	T7	5	59719621	59719908	59.72	3.00E-59	NA
CL355126	RP44_409M5	SP6	5	59853547	59853628	59.85	4.00E-07	NA
CL366105	RP44_358E8	SP6	5	59903276	59903366	59.90	2.00E-07	XTP1
CL330760	CH242_4N8	T7	5	60030545	60030618	60.03	1.00E-18	FLJ23563
CL355060	RP44_409M5	T7	5	60033959	60034003	60.03	2.00E-08	FLJ23563
CL331591	CH242_8G19	SP6	5	60092552	60092683	60.09	2.00E-09	NA
CL332314	CH242_10B17	T7	5	60266293	60266685	60.27	5.00E-16	LOC91942
CL365528	RP44_353P2	SP6	5	60279718	60279911	60.28	2.00E-16	LOC91942
CL358384	RP44_414J3	SP6	5	60592902	60593096	60.59	6.00E-09	LOC345660
CL370388	RP44_295B9	SP6	5	60797952	60798524	60.80	1.00E-56	KIAA1577
CL384605	RP44_329M6	T7	5	60882825	60883564	60.88	8.00E-15	NA
CL323704	RP44_458L20	SP6	5	60972109	60972397	60.97	1.00E-40	FLJ37543
CL323594	RP44_458B20	SP6	5	60972109	60972450	60.97	2.00E-40	FLJ37543
CL366254	RP44_358F23	SP6	5	61001704	61001988	61.00	6.00E-09	LOC345662
CL380916	RP44_314J7	T7	5	61109526	61109711	61.11	6.00E-24	LOC345663
CL335840	RP44_254O15	SP6	5	61173213	61173428	61.17	2.00E-24	LOC345663
CL333696	RP44_250K8	T7	5	61185013	61185642	61.19	e-158	LOC345663
CL333767	RP44_250K8	SP6	5	61377978	61378108	61.38	6.00E-39	NA
CL336379	RP44_262P24	SP6	5	61722016	61722771	61.72	1.00E-25	IPO11
CL344023	RP44_278C7	T7	5	61777426	61777747	61.78	1.00E-13	IPO11
CL336420	RP44_262P24	T7	5	61869036	61869124	61.87	6.00E-15	IPO11
CL366493	RP44_362K20	T7	5	62151287	62151346	62.15	9.00E-08	LOC351927
CL386393	RP44_333H4	SP6	5	62385862	62386355	62.39	6.00E-09	NA
CL337733	RP44_265M19	T7	5	62710683	62710900	62.71	7.00E-21	NA
CL352438	RP44_401O5	SP6	5	63253393	63253626	63.25	1.00E-15	LOC285670
CL387804	RP44_283E23	T7	5	63498253	63498384	63.50	2.00E-06	LOC285671
CL414467	RP44_436N15	SP6	5	63779243	63779333	63.78	6.00E-15	LOC133995
CL376976	RP44_449C15	SP6	5	63869274	63869545	63.87	9.00E-11	LOC133995
CL384497	RP44_329G3	SP6	5	63914312	63914432	63.91	2.00E-08	NA
CL384416	RP44_329G3	T7	5	64041144	64041462	64.04	2.00E-18	SDCCAG10
CL370743	RP44_300O13	T7	5	64043999	64044251	64.04	8.00E-15	SDCCAG10
CL376895	RP44_449C15	T7	5	64049959	64050008	64.05	2.00E-06	SDCCAG10
CL353124	RP44_402A14	SP6	5	64058002	64058515	64.06	3.00E-17	SDCCAG10
CL327276	RP44_245C16	SP6	5	64058238	64058515	64.06	2.00E-17	SDCCAG10
CL325277	RP44_241C23	T7	5	64339732	64340148	64.34	1.00E-74	NA
CL330023	CH242_3I6	T7	5	64342990	64343073	64.34	3.00E-10	NA
CL341925	RP44_261M2	SP6	5	64446197	64446811	64.45	1.00E-07	LOC345667
CL342824	RP44_275B20	SP6	5	64470258	64470490	64.47	8.00E-18	NA
CL347869	RP44_273K10	T7	5	64531560	64531899	64.53	2.00E-20	ADAMTS6
CL348104	RP44_273N18	SP6	5	64855197	64855253	64.86	1.00E-06	NA
CL356060	RP44_410F6	T7	5	64884024	64884317	64.88	2.00E-11	ARFD1
CL410155	RP44_418P11	T7	5	64892104	64892164	64.89	5.00E-06	FLJ13611
CL340942	RP44_258D2	SP6	5	64894132	64894552	64.89	3.00E-32	FLJ13611
CL337071	RP44_264C17	T7	5	65043587	65043893	65.04	4.00E-38	NLN
CL369707	RP44_292O21	SP6	5	65046484	65046615	65.05	9.00E-37	NLN
CL377234	RP44_449D21	T7	5	65059539	65059592	65.06	7.00E-09	NLN
CL368603	RP44_289C2	SP6	5	65074470	65074742	65.07	9.00E-51	NLN

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL340874	RP44_258D2	T7	5	65081700	65081777	65.08	6.00E-12	NLN
CL334663	RP44_251L4	SP6	5	65410636	65411228	65.41	e-144	SFRS12
CL325258	RP44_241A3	T7	5	65440751	65441243	65.44	4.00E-07	SFRS12
CL342853	RP44_275H16	SP6	5	65448679	65448865	65.45	5.00E-37	NA
CL335859	RP44_254D16	T7	5	65448679	65448865	65.45	7.00E-21	NA
CL323166	RP44_457L11	SP6	5	65575843	65576085	65.58	2.00E-21	LOC345668
CL325334	RP44_241A3	SP6	5	65642416	65642528	65.64	2.00E-27	NA
CL335933	RP44_254D16	SP6	5	65680157	65680246	65.68	5.00E-09	NA
CL390134	RP44_288M7	T7	5	65696061	65696141	65.70	2.00E-13	NA
CL349114	RP44_275H16	T7	5	65720485	65720757	65.72	1.00E-07	NA
CL381264	RP44_315N7	T7	5	65774061	65774208	65.77	2.00E-36	NA
CL367134	RP44_364I5	SP6	5	65802868	65803009	65.80	1.00E-06	NA
CL377253	RP44_449H17	T7	5	65843180	65843738	65.84	1.00E-25	NA
CL439984	RP44_299K24	SP6	5	66273419	66273447	66.27	6.00E-06	KIAA0303
CL408513	RP44_415L1	T7	5	66275256	66275297	66.28	6.00E-07	KIAA0303
CL335331	RP44_253K8	T7	5	66366498	66366866	66.37	1.00E-37	KIAA0303
CL336259	RP44_255H15	SP6	5	66383479	66383681	66.38	2.00E-06	KIAA0303
CL326469	RP44_243N21	SP6	5	66395286	66395331	66.40	1.00E-06	KIAA0303
CL326266	RP44_243O19	SP6	5	66395286	66395331	66.40	2.00E-06	KIAA0303
CL414354	RP44_436J5	T7	5	66449068	66449442	66.45	2.00E-43	LY64
CL408597	RP44_415L1	SP6	5	66450568	66450966	66.45	e-110	LY64
CL386355	RP44_333P2	T7	5	66631146	66631264	66.63	1.00E-06	LOC167504
CL384952	RP44_329J20	SP6	5	66657445	66657516	66.66	4.00E-20	NA
CL414441	RP44_436J5	SP6	5	66661465	66661824	66.66	6.00E-09	NA
CL369062	RP44_290M7	T7	5	66787426	66787659	66.79	9.00E-20	LOC351928
CL321832	CH242_15E21	T7	5	67210904	67210966	67.21	1.00E-07	NA
CL340290	RP44_257C16	T7	5	67222825	67223132	67.22	3.00E-14	NA
CL357923	RP44_413F16	SP6	5	67223058	67223132	67.22	3.00E-14	NA
CL368110	RP44_288N5	T7	5	67450096	67450193	67.45	3.00E-11	NA
CL327183	RP44_245M7	SP6	5	67503429	67503747	67.50	3.00E-17	PIK3R1
CL387200	RP44_281K7	T7	5	67533738	67534107	67.53	3.00E-17	PIK3R1
CL409044	RP44_416F21	T7	5	67557075	67557452	67.56	5.00E-52	PIK3R1
CL368186	RP44_288N5	SP6	5	67631726	67631859	67.63	7.00E-12	LOC351931
CL335098	RP44_252H9	SP6	5	67774118	67774324	67.77	4.00E-31	LOC345672
CL372378	RP44_305B24	T7	5	67846482	67846523	67.85	1.00E-06	LOC345672
CL414349	RP44_436H13	T7	5	68014858	68014975	68.01	5.00E-31	LOC351932
CL362310	RP44_375J18	SP6	5	68018361	68018566	68.02	9.00E-14	LOC351932
CL411668	RP44_422J5	T7	5	68041578	68041775	68.04	3.00E-46	NA
CL379942	RP44_428I6	SP6	5	68046822	68047258	68.05	7.00E-58	NA
CL343262	RP44_276F7	T7	5	68089088	68089465	68.09	3.00E-69	NA
CL357901	RP44_413B16	SP6	5	68098439	68100726	68.10	5.00E-12	NA
CL379855	RP44_428I6	T7	5	68215600	68215885	68.22	4.00E-41	LOC256964
CL381230	RP44_315F21	T7	5	68296100	68296517	68.30	3.00E-51	LOC345673
CL357816	RP44_413B16	T7	5	68370981	68371301	68.37	2.00E-52	SLC30A5
CL385758	RP44_332M10	T7	5	70819556	70819633	70.82	5.00E-09	BDP1
CL369032	RP44_290G5	T7	5	70876274	70876337	70.88	2.00E-08	BDP1
CL373216	RP44_308G18	T7	5	70989679	70989765	70.99	6.00E-12	MCC2
CL372798	RP44_306B24	SP6	5	71035776	71035872	71.04	8.00E-20	NA
CL362408	RP44_377M16	T7	5	71146302	71146474	71.15	9.00E-08	LOC345674
CL373293	RP44_308G18	SP6	5	71174107	71174371	71.17	5.00E-43	LOC345674
CL338107	RP44_265H21	SP6	5	71215881	71216048	71.22	2.00E-30	NA
CL387392	RP44_281C12	SP6	5	71290138	71290614	71.29	2.00E-09	LOC345676
CL362487	RP44_377M16	SP6	5	71330875	71331267	71.33	1.00E-25	LOC345676
CL413560	RP44_433H6	T7	5	71374847	71374895	71.37	8.00E-11	LOC345676
CL351370	RP44_312I18	SP6	5	71418361	71418619	71.42	3.00E-26	LOC345676
CL387310	RP44_281C12	T7	5	71460734	71460770	71.46	4.00E-06	MAP1B
CL343566	RP44_277A5	T7	5	71479393	71479868	71.48	1.00E-28	MAP1B
CL413636	RP44_433H6	SP6	5	71541030	71541568	71.54	1.00E-34	MAP1B
CL376735	RP44_445F23	T7	5	71567656	71567719	71.57	4.00E-10	MRPS27
CL413777	RP44_435G3	SP6	5	71616077	71616144	71.62	4.00E-13	MRPS27
CL340279	RP44_257A6	T7	5	71617622	71617727	71.62	4.00E-09	MRPS27
CL410564	RP44_419B1	T7	5	71808593	71809053	71.81	7.00E-06	ZNF366
CL410753	RP44_419L8	T7	5	71841041	71841415	71.84	7.00E-17	ZNF366
CL358870	RP44_335E12	SP6	5	71841725	71841995	71.84	4.00E-55	ZNF366
CL377008	RP44_449I13	SP6	5	72290904	72290987	72.29	5.00E-20	LOC115548

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL333216	RP44_249G23	SP6	5	72392161	72392202	72.39	2.00E-11	LOC115548
CL379268	RP44_426C8	SP6	5	72902983	72903152	72.90	5.00E-55	FLJ12787
CL356128	RP44_410B20	SP6	5	73179244	73179292	73.18	4.00E-06	KIAA1998
CL327267	RP44_245A16	SP6	5	73499061	73499718	73.50	3.00E-76	NA
CL366020	RP44_356P14	SP6	5	73662152	73662233	73.66	1.00E-06	NA
CL365874	RP44_356I9	SP6	5	73671000	73671272	73.67	6.00E-11	NA
CL325888	RP44_242I14	SP6	5	73850820	73851135	73.85	1.00E-22	NA
CL329373	RP44_394A12	T7	5	73855041	73855103	73.86	3.00E-07	NA
CL383332	RP44_326A8	T7	5	73932921	73933227	73.93	1.00E-95	NA
CL366853	RP44_362J8	SP6	5	73964912	73965112	73.97	4.00E-25	ENC1
CL325045	RP44_479C11	T7	5	74000047	74000230	74.00	9.00E-54	NA
CL333716	RP44_250O10	T7	5	74113117	74113298	74.11	3.00E-45	YR-29
CL385804	RP44_332G8	SP6	5	74116416	74116553	74.12	1.00E-13	KIAA0888
CL343874	RP44_277O20	SP6	5	74282058	74282650	74.28	2.00E-30	LOC345687
CL361043	RP44_343B19	SP6	5	74297899	74298039	74.30	1.00E-15	LOC345687
CL410435	RP44_419K7	SP6	5	74672651	74672776	74.67	4.00E-16	HMGCR
CL334529	RP44_251L1	SP6	5	74915690	74916095	74.92	e-107	POLK
CL329078	RP44_382B10	SP6	5	75001373	75001536	75.00	1.00E-43	NA
CL387753	RP44_282K13	SP6	5	75224751	75224809	75.22	1.00E-09	LOC134356
CL327921	RP44_246D22	T7	5	75265150	75265355	75.27	2.00E-26	LOC134357
CL342627	RP44_262N11	T7	5	75345166	75345377	75.35	1.00E-19	NA
CL342709	RP44_262N11	SP6	5	75512405	75514783	75.51	3.00E-08	KIAA1054
CL358181	RP44_414M16	T7	5	75513964	75514082	75.51	1.00E-09	KIAA1054
CL361401	RP44_350B4	T7	5	75589182	75589260	75.59	1.00E-28	KIAA1054
CL381246	RP44_315J17	T7	5	75709800	75709906	75.71	4.00E-06	LOC351960
CL328560	RP44_248H6	T7	5	75971550	75971722	75.97	8.00E-33	IQGAP2
CL333722	RP44_250A4	SP6	5	76416201	76418382	76.42	2.00E-06	ZBED3
CL367397	RP44_367E20	SP6	5	76464253	76464571	76.46	1.00E-28	LOC285711
CL342598	RP44_262H21	T7	5	76535381	76535716	76.54	2.00E-39	NA
CL383076	RP44_325B9	SP6	5	76672875	76672953	76.67	2.00E-14	PDE8B
CL351398	RP44_312D6	SP6	5	76757058	76757092	76.76	3.00E-07	PDE8B
CL383254	RP44_325D4	SP6	5	76855471	76856095	76.86	6.00E-06	LOC340119
CL369507	RP44_291O14	T7	5	76906250	76906304	76.91	1.00E-12	NA
CL364558	RP44_396L24	T7	5	76951508	76952025	76.95	6.00E-12	LOC348983
CL380018	RP44_428H15	T7	5	76954063	76954197	76.95	8.00E-11	LOC348983
CL373882	RP44_469K18	T7	5	76967779	76968413	76.97	0	OTP
CL382764	RP44_325A17	SP6	5	77235227	77235373	77.24	2.00E-09	LOC345772
CL369923	RP44_292B20	SP6	5	77281226	77281508	77.28	e-127	LOC345772
CL363797	RP44_389P21	T7	5	77816563	77816716	77.82	3.00E-08	NA
CL383186	RP44_325F18	T7	5	78036322	78036882	78.04	0	LOC345774
CL320324	CH242_6B6	T7	5	78110434	78110476	78.11	3.00E-07	NA
CL350283	RP44_310B21	SP6	5	78520678	78520739	78.52	2.00E-06	NA
CL322250	RP44_404E4	T7	5	78701644	78701799	78.70	2.00E-12	NA
CL321228	CH242_15J5	SP6	5	78745317	78746120	78.75	1.00E-47	HOMER1
CL383955	RP44_327H18	T7	5	78958394	78958714	78.96	2.00E-26	FLJ38499
CL376440	RP44_444H17	T7	5	79047365	79047426	79.05	1.00E-06	NA
CL384028	RP44_327H18	SP6	5	79143715	79143897	79.14	1.00E-19	NA
CL335645	RP44_253D22	SP6	5	79221461	79221665	79.22	5.00E-08	NA
CL353358	RP44_402B8	T7	5	79972645	79972719	79.97	4.00E-12	DHFR
CL376689	RP44_445M15	SP6	5	79999794	80000210	80.00	2.00E-20	MSH3
CL326591	RP44_243J4	SP6	5	80038979	80039068	80.04	7.00E-09	MSH3
CL353299	RP44_402B8	SP6	5	80167509	80167729	80.17	2.00E-25	MSH3
CL326518	RP44_243J4	T7	5	80207660	80207973	80.21	7.00E-86	MSH3
CL359422	RP44_336F20	T7	5	80300834	80301096	80.30	1.00E-19	RASGRF2
CL378852	RP44_425K7	SP6	5	80645093	80645213	80.65	1.00E-10	DKFZp761J139
CL390097	RP44_288E13	T7	5	80799099	80799480	80.80	2.00E-08	SSBP2
CL378770	RP44_425K7	T7	5	80805226	80805378	80.81	1.00E-13	SSBP2
CL332784	CH242_12I14	SP6	5	80847695	80848250	80.85	2.00E-79	SSBP2
CL409667	RP44_417B16	T7	5	80906969	80907073	80.91	3.00E-25	SSBP2
CL390180	RP44_288E13	SP6	5	80949165	80949284	80.95	6.00E-18	SSBP2
CL332695	CH242_12I14	T7	5	81043294	81043659	81.04	2.00E-15	SSBP2
CL323757	RP44_459D19	SP6	5	81113393	81113752	81.11	1.00E-67	LOC351964
CL409731	RP44_417B16	SP6	5	81113597	81113853	81.11	1.00E-36	LOC351964
CL356129	RP44_410B22	SP6	5	81118471	81119028	81.12	5.00E-34	NA
CL342574	RP44_262D17	T7	5	81189075	81189664	81.19	e-117	LOC351965

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL345454	RP44_280A4	T7	5	81199959	81200013	81.20	4.00E-10	LOC351965
CL387887	RP44_283G7	SP6	5	81324750	81324983	81.32	1.00E-24	APG10L
CL413502	RP44_433I24	SP6	5	81361004	81361179	81.36	7.00E-12	APG10L
CL363930	RP44_393C6	T7	5	81388951	81388991	81.39	2.00E-08	APG10L
CL387807	RP44_283G7	T7	5	81559458	81559713	81.56	6.00E-12	APG10L
CL413416	RP44_433I24	T7	5	81579406	81579973	81.58	e-159	APG10L
CL371149	RP44_302E2	T7	5	81586596	81586722	81.59	1.00E-18	APG10L
CL410096	RP44_418O6	SP6	5	81639130	81639224	81.64	7.00E-21	LOC92270
CL410085	RP44_418M6	SP6	5	81639130	81639226	81.64	4.00E-25	LOC92270
CL333822	RP44_250F21	T7	5	81710531	81711073	81.71	3.00E-57	LOC92270
CL385740	RP44_332I6	T7	5	81711197	81711637	81.71	1.00E-90	LOC92270
CL371226	RP44_302E2	SP6	5	81817212	81817262	81.82	4.00E-07	NA
CL385811	RP44_332I6	SP6	5	81934087	81934218	81.93	1.00E-22	NA
CL388445	RP44_284L4	T7	5	81988760	81989076	81.99	4.00E-07	NA
CL381570	RP44_316I7	T7	5	82011021	82011555	82.01	7.00E-24	LOC351966
CL347578	RP44_272F6	T7	5	82110348	82110457	82.11	1.00E-06	NA
CL385583	RP44_332C23	T7	5	82131051	82131088	82.13	1.00E-06	NA
CL363182	RP44_383O24	T7	5	82224973	82225005	82.22	4.00E-06	NA
CL381655	RP44_316I7	SP6	5	82259200	82259558	82.26	7.00E-70	NA
CL347633	RP44_272F6	SP6	5	82347296	82347587	82.35	5.00E-19	NA
CL349353	RP44_309C3	SP6	5	82349937	82350340	82.35	1.00E-25	NA
CL367814	RP44_372B19	SP6	5	82383715	82383999	82.38	9.00E-11	NA
CL321895	CH242_15B10	T7	5	82441823	82442242	82.44	6.00E-25	XRCC4
CL367751	RP44_372B19	T7	5	82530281	82530477	82.53	3.00E-75	XRCC4
CL355899	RP44_410F21	T7	5	82530768	82530832	82.53	4.00E-16	XRCC4
CL357314	RP44_412N8	SP6	5	82599429	82599497	82.60	8.00E-07	XRCC4
CL321312	CH242_15B10	SP6	5	82626782	82627035	82.63	1.00E-19	XRCC4
CL372277	RP44_305N23	T7	5	82803074	82803318	82.80	2.00E-61	NA
CL357240	RP44_412N8	T7	5	82851084	82851186	82.85	8.00E-27	CSPG2
CL358133	RP44_414C12	T7	5	82909632	82910077	82.91	2.00E-18	CSPG2
CL352687	RP44_401H19	SP6	5	82962931	82963044	82.96	1.00E-13	NA
CL334362	RP44_251G10	SP6	5	83003058	83003145	83.00	2.00E-12	CRTL1
CL356230	RP44_411G9	T7	5	83006809	83007294	83.01	4.00E-13	CRTL1
CL372358	RP44_305N23	SP6	5	83024401	83024910	83.02	6.00E-61	CRTL1
CL325900	RP44_242K20	SP6	5	83151945	83152095	83.15	3.00E-07	NA
CL413358	RP44_432P20	SP6	5	83282154	83282243	83.28	5.00E-16	EDIL3
CL413280	RP44_432P20	T7	5	83463458	83463892	83.46	4.00E-23	EDIL3
CL350206	RP44_310B19	T7	5	83567365	83567440	83.57	3.00E-08	EDIL3
CL341677	RP44_261M3	T7	5	83588579	83588745	83.59	7.00E-55	EDIL3
CL341824	RP44_261I24	T7	5	83986104	83986228	83.99	7.00E-06	NA
CL366934	RP44_363K19	T7	5	84088507	84088877	84.09	5.00E-71	NA
CL328439	RP44_248P3	T7	5	84393198	84393420	84.39	2.00E-18	NA
CL412982	RP44_431B18	SP6	5	84586136	84586646	84.59	9.00E-08	LOC345792
CL346543	RP44_270F8	SP6	5	84654390	84654597	84.65	3.00E-11	NA
CL348792	RP44_275K6	T7	5	85090277	85090419	85.09	1.00E-16	LOC345794
CL345719	RP44_280F3	SP6	5	85880109	85880302	85.88	4.00E-19	LOC351972
CL350504	RP44_310N22	SP6	5	85929334	85929552	85.93	6.00E-15	NA
CL362140	RP44_375O19	T7	5	85984249	85984541	85.98	9.00E-48	NA
CL327445	RP44_245L5	SP6	5	86030990	86031102	86.03	1.00E-27	NA
CL349410	RP44_309O5	SP6	5	86101003	86101466	86.10	4.00E-10	LOC345795
CL409081	RP44_416N11	T7	5	86292564	86292686	86.29	1.00E-15	NA
CL352442	RP44_401O17	SP6	5	86296742	86296828	86.30	6.00E-12	NA
CL439753	RP44_297J11	SP6	5	86296742	86296828	86.30	7.00E-12	NA
CL329662	RP44_394B10	SP6	5	86308292	86308347	86.31	8.00E-08	LOC202165
CL341424	RP44_260J15	SP6	5	86343705	86343849	86.34	2.00E-14	LOC202165
CL349404	RP44_309M13	SP6	5	86417878	86417926	86.42	6.00E-06	LOC345796
CL349327	RP44_309M13	T7	5	86450819	86452248	86.45	7.00E-06	LOC345796
CL340717	RP44_258D3	T7	5	86453934	86454096	86.45	2.00E-06	NA
CL320774	CH242_13M13	SP6	5	86529689	86530110	86.53	2.00E-33	NA
CL387187	RP44_281I1	T7	5	86603408	86603820	86.60	7.00E-46	RASA1
CL320773	CH242_13M13	T7	5	86706521	86706742	86.71	9.00E-30	RASA1
CL384328	RP44_328F20	SP6	5	86716868	86717110	86.72	5.00E-07	RASA1
CL377530	RP44_457A13	T7	5	86732546	86732615	86.73	2.00E-09	CCNH
CL333989	RP44_250L6	T7	5	86750267	86750459	86.75	1.00E-06	NA
CL375954	RP44_441P11	T7	5	86863489	86863595	86.86	3.00E-09	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL379938	RP44_428G22	SP6	5	86942438	86942543	86.94	2.00E-31	NA
CL351772	RP44_313K8	SP6	5	87008235	87008848	87.01	3.00E-17	NA
CL358626	RP44_415I9	T7	5	87061353	87061441	87.06	3.00E-13	NA
CL358642	RP44_415M1	T7	5	87061353	87061441	87.06	3.00E-13	NA
CL381800	RP44_316K8	SP6	5	87076153	87076507	87.08	4.00E-77	NA
CL341441	RP44_260N9	SP6	5	87081173	87081261	87.08	1.00E-08	NA
CL331843	CH242_9K11	T7	5	87178525	87178788	87.18	4.00E-07	LOC254602
CL371099	RP44_301I13	SP6	5	87240884	87241028	87.24	1.00E-18	NA
CL351523	RP44_313K7	T7	5	87241088	87241332	87.24	3.00E-32	NA
CL378558	RP44_424H13	SP6	5	87370247	87370544	87.37	1.00E-16	NA
CL337749	RP44_265A9	SP6	5	87703911	87704289	87.70	1.00E-40	NA
CL328079	RP44_248C17	T7	5	87718133	87718781	87.72	5.00E-16	NA
CL321436	CH242_20B16	T7	5	87825055	87825104	87.83	9.00E-07	LOC345800
CL330545	CH242_4E19	SP6	5	87913764	87914029	87.91	4.00E-55	LOC345801
CL351586	RP44_313G11	SP6	5	87977855	87978086	87.98	9.00E-24	NA
CL330494	CH242_4E19	T7	5	88113671	88114028	88.11	6.00E-42	MEF2C
CL340233	RP44_257G19	SP6	5	88212386	88212641	88.21	3.00E-88	MEF2C
CL412185	RP44_430F13	T7	5	88266543	88266777	88.27	3.00E-44	NA
CL411338	RP44_420N4	T7	5	88276183	88276637	88.28	6.00E-30	LOC345804
CL347311	RP44_272O4	T7	5	88277781	88277990	88.28	2.00E-69	LOC345804
CL341903	RP44_261I6	SP6	5	88318570	88318816	88.32	3.00E-23	NA
CL331514	CH242_8I11	T7	5	88445407	88445516	88.45	1.00E-09	LOC345806
CL366603	RP44_362D13	T7	5	88446550	88447051	88.45	1.00E-71	LOC345806
CL346534	RP44_270D14	SP6	5	88446550	88447162	88.45	2.00E-71	LOC345806
CL346555	RP44_270H14	SP6	5	88446550	88447162	88.45	6.00E-68	LOC345806
CL412104	RP44_430F13	SP6	5	88446575	88447097	88.45	3.00E-66	LOC345806
CL440159	RP44_299H2	SP6	5	88447199	88447339	88.45	2.00E-30	LOC345806
CL341816	RP44_261I6	T7	5	88481636	88481862	88.48	7.00E-21	NA
CL346452	RP44_270D14	T7	5	88647311	88647795	88.65	5.00E-13	LOC351974
CL440088	RP44_299H2	T7	5	88649507	88650057	88.65	e-166	LOC351974
CL388482	RP44_284B24	SP6	5	88687512	88687893	88.69	2.00E-23	LOC351974
CL349547	RP44_309I24	SP6	5	89023416	89023689	89.02	2.00E-18	LOC345810
CL410633	RP44_419P11	T7	5	89207239	89207873	89.21	e-100	NA
CL354774	RP44_408A6	SP6	5	89243873	89243931	89.24	1.00E-09	NA
CL410168	RP44_418B18	T7	5	89270153	89270468	89.27	4.00E-99	NA
CL357474	RP44_413M13	SP6	5	89285610	89285652	89.29	2.00E-09	LOC345811
CL340413	RP44_257M24	SP6	5	89311020	89311252	89.31	1.00E-19	LOC345811
CL340425	RP44_257O24	SP6	5	89311020	89311252	89.31	1.00E-19	LOC345811
CL410705	RP44_419P11	SP6	5	89383743	89384315	89.38	4.00E-38	LOC345811
CL354707	RP44_408A6	T7	5	89450695	89451011	89.45	5.00E-27	LOC345811
CL410253	RP44_418B18	SP6	5	89454244	89454362	89.45	4.00E-15	LOC345811
CL363820	RP44_392I4	T7	5	89462658	89463056	89.46	1.00E-19	LOC345811
CL371181	RP44_302K6	T7	5	89488807	89489476	89.49	e-145	LOC345811
CL375105	RP44_471I5	SP6	5	89493191	89493453	89.49	1.00E-19	LOC345811
CL364449	RP44_396P21	T7	5	89516725	89516762	89.52	2.00E-06	NA
CL370803	RP44_300K17	SP6	5	89597292	89597907	89.60	2.00E-49	NA
CL371259	RP44_302K6	SP6	5	89701969	89702173	89.70	5.00E-19	LOC351975
CL325635	RP44_241F8	SP6	5	89724642	89724759	89.72	3.00E-10	NA
CL358757	RP44_415A24	T7	5	89839393	89839624	89.84	2.00E-30	RPC32
CL410781	RP44_419B14	SP6	5	89878712	89878808	89.88	3.00E-06	NA
CL325565	RP44_241F8	T7	5	89925325	89926137	89.93	5.00E-06	MASS1
CL330563	CH242_4K9	SP6	5	90045706	90045855	90.05	8.00E-50	MASS1
CL410713	RP44_419B14	T7	5	90046724	90046964	90.05	5.00E-64	MASS1
CL367010	RP44_363M13	SP6	5	90065055	90065198	90.07	5.00E-18	MASS1
CL329622	RP44_394N15	T7	5	90079681	90079811	90.08	2.00E-13	MASS1
CL352654	RP44_401B15	SP6	5	90128582	90128614	90.13	7.00E-06	MASS1
CL384401	RP44_329C19	T7	5	90266396	90266611	90.27	2.00E-42	MASS1
CL375857	RP44_441A7	SP6	5	90352882	90353067	90.35	1.00E-42	MASS1
CL337916	RP44_265A22	SP6	5	90455111	90455179	90.46	1.00E-10	MASS1
CL321977	RP44_399B3	SP6	5	90725033	90725083	90.73	3.00E-07	LOC285620
CL361735	RP44_351J9	T7	5	90912972	90913158	90.91	5.00E-22	NA
CL321976	RP44_399B3	T7	5	90932022	90932546	90.93	1.00E-34	LOC345815
CL361386	RP44_350M19	SP6	5	90934226	90934662	90.93	8.00E-70	LOC345815
CL411906	RP44_430O9	SP6	5	91133460	91133537	91.13	4.00E-16	LOC348988
CL327544	RP44_246O13	T7	5	91133460	91133537	91.13	4.00E-16	LOC348988

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL328966	RP44_382F17	T7	5	91161311	91161674	91.16	9.00E-36	LOC348988
CL336562	RP44_263O3	SP6	5	91200619	91200776	91.20	4.00E-35	LOC348988
CL362644	RP44_380O5	SP6	5	91200629	91200776	91.20	3.00E-29	LOC348988
CL377924	RP44_422J13	SP6	5	91200673	91200776	91.20	2.00E-14	LOC348988
CL336345	RP44_263O3	T7	5	91352202	91352315	91.35	1.00E-41	LOC351976
CL368202	RP44_288P17	SP6	5	91353594	91353631	91.35	1.00E-06	LOC351976
CL387078	RP44_280D14	SP6	5	91408850	91408909	91.41	1.00E-07	LOC351976
CL369277	RP44_290E10	SP6	5	91743435	91743554	91.74	6.00E-46	NA
CL323108	RP44_455P4	T7	5	91767442	91767811	91.77	e-104	NA
CL371986	RP44_304B8	SP6	5	92170878	92171285	92.17	0	NA
CL342468	RP44_262O10	T7	5	92170878	92171302	92.17	0	NA
CL334177	RP44_251A13	SP6	5	92178464	92179002	92.18	1.00E-19	NA
CL367586	RP44_367L3	SP6	5	92231927	92232026	92.23	7.00E-18	NA
CL382400	RP44_324G7	T7	5	92249143	92249760	92.25	0	NA
CL362688	RP44_380J15	T7	5	92297062	92297248	92.30	2.00E-24	NA
CL335583	RP44_253F14	T7	5	92342870	92343298	92.34	e-104	NA
CL409978	RP44_418I6	T7	5	92363057	92363619	92.36	1.00E-37	NA
CL380850	RP44_314K22	SP6	5	92455081	92455631	92.46	3.00E-45	LOC345496
CL352734	RP44_401B16	T7	5	92528393	92528916	92.53	9.00E-27	LOC345496
CL370586	RP44_295N4	SP6	5	92558335	92558758	92.56	e-104	LOC345496
CL322637	RP44_416E8	SP6	5	92687249	92687362	92.69	7.00E-08	NA
CL380426	RP44_429C11	SP6	5	92694078	92694177	92.69	4.00E-10	NA
CL352182	RP44_314K21	T7	5	92722661	92723018	92.72	7.00E-30	NA
CL358999	RP44_335P3	T7	5	92722661	92723018	92.72	2.00E-34	NA
CL339588	RP44_255N24	T7	5	92950552	92951014	92.95	0	NR2F1
CL389171	RP44_286C20	T7	5	93018869	93019310	93.02	2.00E-21	DKFZP564D172
CL365416	RP44_353H16	T7	5	93146579	93146797	93.15	8.00E-08	DKFZP564D172
CL382407	RP44_324G23	T7	5	93269234	93269558	93.27	4.00E-16	DKFZP564D172
CL332198	CH242_10M2	T7	5	93277521	93277619	93.28	2.00E-09	DKFZP564D172
CL327131	RP44_245A9	SP6	5	93303929	93304180	93.30	9.00E-33	DKFZP564D172
CL411191	RP44_420J15	T7	5	93548918	93548979	93.55	2.00E-11	NA
CL383445	RP44_326G24	SP6	5	93580468	93580624	93.58	1.00E-19	NA
CL353477	RP44_403G11	SP6	5	93580468	93580624	93.58	1.00E-19	NA
CL386079	RP44_332B22	SP6	5	93614705	93615081	93.61	1.00E-19	NA
CL351334	RP44_312M12	T7	5	93676860	93677455	93.68	1.00E-28	NA
CL380703	RP44_429H5	T7	5	93687219	93687480	93.69	3.00E-13	NA
CL361431	RP44_350H6	T7	5	93691537	93691914	93.69	3.00E-54	NA
CL383370	RP44_326G24	T7	5	93817061	93817986	93.82	8.00E-55	KIAA0825
CL350821	RP44_311B9	T7	5	93864841	93864898	93.86	2.00E-06	NA
CL411701	RP44_429H5	SP6	5	93890814	93891126	93.89	4.00E-75	MGC34713
CL372494	RP44_305H24	SP6	5	94035248	94035677	94.04	4.00E-75	LOC345499
CL339004	RP44_268E9	SP6	5	94038538	94038863	94.04	2.00E-20	LOC345499
CL380743	RP44_429P15	T7	5	94038952	94039249	94.04	e-118	LOC345499
CL366587	RP44_362O14	SP6	5	94116841	94116902	94.12	1.00E-06	FLJ22344
CL382429	RP44_324M3	T7	5	94161096	94161398	94.16	e-129	FLJ22344
CL353109	RP44_402M18	T7	5	94231346	94231865	94.23	4.00E-78	FLJ22344
CL411744	RP44_429P15	SP6	5	94238059	94238736	94.24	0	FLJ22344
CL378863	RP44_425M7	SP6	5	94238179	94238744	94.24	0	FLJ22344
CL353179	RP44_402M18	SP6	5	94416556	94416771	94.42	3.00E-11	FLJ22344
CL411692	RP44_429F9	SP6	5	94523599	94523716	94.52	2.00E-11	LOC345500
CL367901	RP44_374L1	T7	5	94537815	94537861	94.54	2.00E-07	LOC345500
CL370636	RP44_296G15	T7	5	94648892	94648990	94.65	3.00E-24	NA
CL368609	RP44_289C14	SP6	5	94649303	94649655	94.65	3.00E-44	LOC351849
CL380695	RP44_429F9	T7	5	94723010	94723506	94.72	2.00E-17	NA
CL353005	RP44_402I3	SP6	5	94743525	94743666	94.74	1.00E-25	NA
CL381617	RP44_316A11	SP6	5	94836229	94836268	94.84	6.00E-06	KIAA0372
CL358042	RP44_414M15	T7	5	94844516	94844550	94.84	4.00E-07	KIAA0372
CL384668	RP44_329I22	SP6	5	94895486	94895827	94.90	2.00E-09	KIAA0372
CL335118	RP44_252L7	SP6	5	94942356	94942433	94.94	2.00E-06	DKFZp313G1735
CL321984	RP44_399B11	T7	5	95320593	95320950	95.32	4.00E-12	ELL2
CL332725	CH242_12O8	T7	5	95420742	95421236	95.42	4.00E-13	NA
CL357976	RP44_413P14	SP6	5	95428607	95428926	95.43	8.00E-18	NA
CL377616	RP44_457A21	SP6	5	95431962	95432379	95.43	7.00E-80	NA
CL357889	RP44_413P14	T7	5	95592870	95593259	95.59	2.00E-18	LOC345503
CL411021	RP44_420C20	T7	5	95640068	95640226	95.64	2.00E-35	LOC345503

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL363626	RP44_388F22	SP6	5	95643472	95643821	95.64	5.00E-70	LOC345503
CL410362	RP44_419I7	T7	5	95679312	95679590	95.68	3.00E-26	LOC345503
CL383106	RP44_325F23	SP6	5	95706530	95706576	95.71	1.00E-09	LOC345503
CL336041	RP44_255K13	T7	5	95760559	95760689	95.76	8.00E-24	PCSK1
CL340739	RP44_258H5	T7	5	95777487	95777864	95.78	e-119	PCSK1
CL320850	CH242_13J7	SP6	5	95782822	95783295	95.78	3.00E-48	PCSK1
CL353536	RP44_403G8	T7	5	95808337	95808381	95.81	5.00E-06	NA
CL410430	RP44_419I7	SP6	5	95832893	95833396	95.83	3.00E-11	LOC345504
CL336123	RP44_255K13	SP6	5	95946892	95947148	95.95	5.00E-56	NA
CL340821	RP44_258H5	SP6	5	95947125	95947175	95.95	1.00E-09	NA
CL337604	RP44_264D20	SP6	5	96141036	96141605	96.14	8.00E-55	ARTS-1
CL409079	RP44_416N5	T7	5	96317386	96317432	96.32	2.00E-07	LNPEP
CL332074	CH242_10G7	SP6	5	96451401	96451701	96.45	1.00E-34	NA
CL409001	RP44_416N5	SP6	5	96459156	96459281	96.46	2.00E-42	FLJ25534
CL360318	RP44_339I19	SP6	5	96592710	96593202	96.59	4.00E-10	LOC345506
CL412782	RP44_431L1	T7	5	96644848	96645054	96.64	1.00E-16	NA
CL351433	RP44_312J8	SP6	5	96782840	96783239	96.78	7.00E-06	LOC345507
CL331765	CH242_8L13	SP6	5	96948961	96949054	96.95	3.00E-16	NA
CL378629	RP44_424L4	T7	5	96990091	96990135	96.99	9.00E-11	NA
CL410924	RP44_420O21	T7	5	97287056	97287109	97.29	1.00E-11	LOC345510
CL411003	RP44_420O21	SP6	5	97287056	97287526	97.29	3.00E-11	LOC345510
CL358963	RP44_335H11	T7	5	97785723	97785807	97.79	1.00E-10	LOC202158
CL375516	RP44_471J12	T7	5	97936033	97936659	97.94	5.00E-56	NA
CL368740	RP44_289N9	T7	5	98117723	98117923	98.12	4.00E-13	NA
CL375590	RP44_471J12	SP6	5	98126773	98126869	98.13	3.00E-13	NA
CL325758	RP44_242C5	SP6	5	98266037	98266268	98.27	6.00E-91	CHD1
CL389978	RP44_287N8	T7	5	98271049	98273414	98.27	2.00E-49	CHD1
CL367315	RP44_367E12	T7	5	98373648	98374242	98.37	7.00E-09	LOC345752
CL351654	RP44_313C18	T7	5	98493938	98494020	98.49	3.00E-14	NA
CL378924	RP44_425I14	T7	5	99290382	99291186	99.29	4.00E-13	NA
CL352610	RP44_401J1	T7	5	99591691	99591891	99.59	1.00E-06	LOC345755
CL356332	RP44_411O5	SP6	5	99593876	99593974	99.59	4.00E-10	LOC345755
CL324235	RP44_474E14	SP6	5	100058251	100058502	100.06	1.00E-13	LOC345758
CL413503	RP44_433K2	SP6	5	100116237	100116733	100.12	5.00E-53	LOC345758
CL333317	RP44_249A8	SP6	5	100198848	100199285	100.20	2.00E-70	SIAT8D
CL322937	RP44_437G16	T7	5	100198848	100199285	100.20	2.00E-70	SIAT8D
CL325164	RP44_479B3	SP6	5	100303109	100303474	100.30	4.00E-31	NA
CL389974	RP44_287L24	T7	5	100884890	100884998	100.88	3.00E-11	NA
CL389728	RP44_287K1	SP6	5	101152797	101152830	101.15	1.00E-06	NA
CL352916	RP44_402E19	T7	5	101152797	101152830	101.15	2.00E-06	NA
CL375043	RP44_471M13	T7	5	101180206	101180285	101.18	3.00E-10	NA
CL375129	RP44_471M13	SP6	5	101369896	101370349	101.37	5.00E-40	NA
CL329064	RP44_382P15	SP6	5	101396931	101397011	101.40	7.00E-18	NA
CL366950	RP44_363O15	T7	5	101881453	101881494	101.88	1.00E-06	NA
CL345673	RP44_280N1	T7	5	102174491	102175059	102.17	e-121	LOC345759
CL345670	RP44_280L17	T7	5	102174492	102175120	102.17	e-121	LOC345759
CL346262	RP44_270M19	SP6	5	102191100	102191246	102.19	5.00E-25	NA
CL346275	RP44_270O21	SP6	5	102191100	102191246	102.19	5.00E-25	NA
CL381099	RP44_314N20	T7	5	102231533	102231628	102.23	6.00E-06	NA
CL343831	RP44_277G14	SP6	5	102234173	102234668	102.23	4.00E-41	PAM
CL346192	RP44_270M19	T7	5	102359668	102359923	102.36	9.00E-42	PAM
CL346204	RP44_270O21	T7	5	102359739	102359923	102.36	6.00E-42	PAM
CL343754	RP44_277G14	T7	5	102385720	102386420	102.39	1.00E-47	PAM
CL413615	RP44_433B16	SP6	5	102944137	102944468	102.94	7.00E-14	NA
CL375850	RP44_441M23	T7	5	103255970	103256044	103.26	2.00E-07	NA
CL387734	RP44_282G13	SP6	5	103366124	103366266	103.37	2.00E-17	NA
CL348126	RP44_274C5	T7	5	103382338	103382561	103.38	8.00E-14	NA
CL368956	RP44_289H18	SP6	5	103699544	103699645	103.70	6.00E-09	LOC351876
CL368638	RP44_289I20	SP6	5	103699544	103699645	103.70	6.00E-09	LOC351876
CL361506	RP44_350J20	SP6	5	104097497	104097556	104.10	3.00E-10	LOC345762
CL331161	CH242_6N19	SP6	5	104118096	104118181	104.12	4.00E-07	LOC345762
CL361450	RP44_350J20	T7	5	104212221	104212881	104.21	3.00E-45	NA
CL327859	RP44_246F9	SP6	5	104304564	104304783	104.30	6.00E-48	LOC345763
CL337121	RP44_264O1	T7	5	104414616	104414696	104.41	2.00E-13	NA
CL340881	RP44_258D16	T7	5	104414764	104415107	104.41	2.00E-86	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL344587	RP44_278B18	SP6	5	104487104	104487296	104.49	2.00E-40	NA
CL329436	RP44_394G20	SP6	5	104500456	104500670	104.50	2.00E-20	NA
CL323460	RP44_458C22	T7	5	104691916	104692004	104.69	3.00E-08	LOC351877
CL356138	RP44_410D16	SP6	5	105055034	105055313	105.06	2.00E-89	NA
CL354691	RP44_408M11	SP6	5	105118651	105118901	105.12	1.00E-50	NA
CL386190	RP44_333M4	T7	5	105347405	105347608	105.35	9.00E-33	LOC351878
CL373845	RP44_469E10	T7	5	105347440	105347608	105.35	4.00E-31	LOC351878
CL369243	RP44_290O6	T7	5	105503815	105503991	105.50	3.00E-08	LOC351879
CL373929	RP44_469E10	SP6	5	105531573	105532065	105.53	1.00E-06	LOC351879
CL380381	RP44_429K11	T7	5	105934248	105934313	105.93	2.00E-06	LOC348952
CL358558	RP44_414L4	SP6	5	106045026	106045104	106.05	8.00E-14	NA
CL412213	RP44_430L19	T7	5	106132447	106132538	106.13	7.00E-11	LOC345572
CL335824	RP44_254M3	SP6	5	106144597	106144656	106.14	9.00E-08	LOC345572
CL355249	RP44_409G8	SP6	5	106198004	131288862	118.74	5.00E-06	FACL6
CL341463	RP44_260B16	T7	5	106202826	122044881	114.12	7.00E-06	LOC351896
CL321797	CH242_13P23	T7	5	106307600	106307948	106.31	2.00E-11	NA
CL358479	RP44_414L14	T7	5	106378319	106378670	106.38	4.00E-84	NA
CL373325	RP44_308M20	SP6	5	106426812	106427045	106.43	2.00E-09	NA
CL345484	RP44_280G4	T7	5	106441080	106441729	106.44	6.00E-09	LOC345573
CL355065	RP44_409M19	T7	5	106456254	106456510	106.46	1.00E-12	LOC345573
CL355132	RP44_409M19	SP6	5	106608553	106608731	106.61	1.00E-09	LOC351880
CL326618	RP44_243P18	SP6	5	106821986	106822492	106.82	2.00E-43	EFNA5
CL389364	RP44_286N15	T7	5	106870104	106870729	106.87	9.00E-45	EFNA5
CL389625	RP44_287C11	T7	5	106912269	106912835	106.91	1.00E-25	EFNA5
CL389646	RP44_287G19	T7	5	106913434	106913988	106.91	e-138	EFNA5
CL339252	RP44_268N21	T7	5	106926177	106926503	106.93	3.00E-54	EFNA5
CL338220	RP44_265N18	T7	5	106952333	106952761	106.95	7.00E-89	EFNA5
CL341742	RP44_261I19	SP6	5	106991229	106991646	106.99	2.00E-06	EFNA5
CL411066	RP44_420M18	T7	5	107022556	107022793	107.02	2.00E-59	EFNA5
CL389443	RP44_286N15	SP6	5	107035937	107036390	107.04	5.00E-34	EFNA5
CL328156	RP44_248E5	SP6	5	107041116	107042252	107.04	8.00E-33	LOC345575
CL342798	RP44_275N4	T7	5	107043686	107044029	107.04	4.00E-19	LOC345575
CL356198	RP44_410P12	SP6	5	107094061	107094652	107.09	2.00E-15	NA
CL410260	RP44_418D12	SP6	5	107094420	107094508	107.09	1.00E-15	NA
CL338302	RP44_265N18	SP6	5	107142266	107142367	107.14	3.00E-11	NA
CL339333	RP44_268N21	SP6	5	107142266	107143169	107.14	3.00E-11	NA
CL342881	RP44_275N4	SP6	5	107211658	107212039	107.21	e-143	NA
CL364926	RP44_400A22	T7	5	107266622	107266718	107.27	9.00E-11	FBXO13
CL356115	RP44_410P12	T7	5	107267090	107267436	107.27	1.00E-13	FBXO13
CL357227	RP44_412L2	T7	5	107291444	107291780	107.29	e-106	FBXO13
CL341688	RP44_261O5	T7	5	107330762	107331326	107.33	9.00E-79	FBXO13
CL360620	RP44_340F24	T7	5	107363595	107364115	107.36	5.00E-16	FBXO13
CL326038	RP44_242D2	SP6	5	107386412	107386684	107.39	1.00E-13	FBXO13
CL387694	RP44_282O13	T7	5	107387674	107387757	107.39	2.00E-08	FBXO13
CL364320	RP44_396C2	SP6	5	107469424	107469812	107.47	1.00E-39	FBXO13
CL357301	RP44_412L2	SP6	5	107496747	107496927	107.50	7.00E-07	FBXO13
CL385284	RP44_330F9	T7	5	107553766	107553856	107.55	2.00E-08	FBXO13
CL364244	RP44_396C2	T7	5	107666410	107666572	107.67	1.00E-36	FBXO13
CL414116	RP44_436A21	T7	5	107667183	107667253	107.67	1.00E-09	FBXO13
CL386607	RP44_334J17	T7	5	107680044	107680137	107.68	6.00E-12	FBXO13
CL386634	RP44_334P17	T7	5	107680044	107680137	107.68	7.00E-12	FBXO13
CL338761	RP44_267I21	SP6	5	107759469	107759509	107.76	6.00E-06	NA
CL349744	RP44_309D24	T7	5	107949412	107949851	107.95	3.00E-45	NA
CL349820	RP44_309D24	SP6	5	108119032	108119138	108.12	7.00E-12	FER
CL384433	RP44_329I23	T7	5	108229245	108229332	108.23	2.00E-12	FER
CL380347	RP44_429E5	T7	5	108233530	108233585	108.23	2.00E-12	FER
CL384516	RP44_329I23	SP6	5	108394225	108394276	108.39	4.00E-10	FER
CL380434	RP44_429E5	SP6	5	108394225	108394276	108.39	2.00E-12	FER
CL383746	RP44_327M5	SP6	5	108404320	108404381	108.40	4.00E-09	FER
CL365089	RP44_400F7	T7	5	108431235	108431496	108.43	1.00E-10	FER
CL379821	RP44_428C4	T7	5	108482922	108482974	108.48	8.00E-11	FER
CL380405	RP44_429O15	T7	5	108492880	108492964	108.49	7.00E-18	FER
CL345472	RP44_280E2	T7	5	109035300	109035749	109.04	3.00E-76	NA
CL326105	RP44_242P12	SP6	5	109320268	109320455	109.32	8.00E-51	NA
CL384540	RP44_329O13	SP6	5	109320268	109320460	109.32	2.00E-51	NA

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CL380044	RP44_428N5	T7	5	109546525	109546708	109.55	2.00E-42	LOC351884
CL345687	RP44_280P9	T7	5	109619023	109619086	109.62	1.00E-07	LOC351884
CL347237	RP44_272A2	T7	5	109656917	109657582	109.66	1.00E-90	LOC351884
CL383905	RP44_327M16	SP6	5	109710401	109710789	109.71	1.00E-07	NA
CL373734	RP44_469A5	SP6	5	109786218	109786258	109.79	3.00E-08	LOC255338
CL375128	RP44_471M9	SP6	5	109971146	109971816	109.97	4.00E-25	LOC255338
CL371199	RP44_302O6	T7	5	109971146	109971943	109.97	4.00E-69	LOC255338
CL375015	RP44_471G17	T7	5	110114648	110114739	110.11	2.00E-08	LOC91137
CL376344	RP44_444O13	T7	5	110114648	110115194	110.11	4.00E-47	LOC91137
CL322627	RP44_416C18	T7	5	110570770	110570879	110.57	6.00E-17	NA
CL322628	RP44_416C20	T7	5	110570770	110570882	110.57	1.00E-15	NA
CL387087	RP44_280F8	SP6	5	110662168	110662886	110.66	1.00E-22	CAMK4
CL385291	RP44_330H3	T7	5	110664591	110664660	110.66	2.00E-06	CAMK4
CL362653	RP44_380B1	T7	5	110844886	110845099	110.84	5.00E-71	CAMK4
CL359076	RP44_335N5	SP6	5	110860286	110860324	110.86	3.00E-07	NA
CL389853	RP44_287C10	SP6	5	110928524	110928597	110.93	1.00E-09	NA
CL348168	RP44_274K17	T7	5	110966177	110966220	110.97	9.00E-08	LOC340066
CL348178	RP44_274M17	T7	5	110966177	110966220	110.97	1.00E-07	LOC340066
CL351142	RP44_311P18	SP6	5	111035429	111035649	111.04	1.00E-35	NA
CL355535	RP44_409D10	SP6	5	111512936	111513229	111.51	1.00E-31	EPB41L4A
CL344198	RP44_278E18	T7	5	111787677	111787730	111.79	2.00E-06	NA
CL374434	RP44_470G17	SP6	5	112379852	112380405	112.38	e-116	DCP2
CL414348	RP44_436H11	T7	5	112430528	112430746	112.43	8.00E-67	MCC
CL414432	RP44_436H11	SP6	5	112584303	112584426	112.58	2.00E-17	MCC
CL343151	RP44_276O8	T7	5	112585010	112585136	112.59	8.00E-12	MCC
CL326442	RP44_243J3	SP6	5	112617301	112617600	112.62	2.00E-20	MCC
CL337259	RP44_264I12	T7	5	112706682	112706739	112.71	1.00E-06	LOC351886
CL351058	RP44_311P18	T7	5	112957319	112957805	112.96	e-131	FLJ21940
CL390191	RP44_288G17	SP6	5	113271855	113271921	113.27	4.00E-12	LOC351888
CL368343	RP44_289A7	T7	5	113581400	113581799	113.58	6.00E-06	NA
CL340056	RP44_256B24	SP6	5	113611866	113612012	113.61	9.00E-36	LOC351889
CL380672	RP44_429B1	T7	5	113732463	113732553	113.73	9.00E-14	KCNN2
CL368909	RP44_289P4	T7	5	113753925	113754282	113.75	4.00E-10	KCNN2
CL388357	RP44_284J9	SP6	5	114319796	114320004	114.32	1.00E-11	NA
CL327503	RP44_246G3	T7	5	114568985	114569041	114.57	4.00E-06	NA
CL343131	RP44_276K10	T7	5	114636320	114636522	114.64	6.00E-21	MGC39633
CL327577	RP44_246G3	SP6	5	114743841	114743935	114.74	6.00E-06	LOC345586
CL409559	RP44_417J13	T7	5	114747261	114747318	114.75	4.00E-07	NA
CL355913	RP44_410J1	T7	5	114940983	114941034	114.94	6.00E-13	NA
CL380817	RP44_314E16	SP6	5	115255281	115255381	115.26	1.00E-06	AP3S1
CL322721	RP44_416M16	T7	5	115509917	115509982	115.51	4.00E-09	PTD002
CL373791	RP44_469K11	SP6	5	115640040	115640695	115.64	7.00E-43	PTD002
CL373703	RP44_469K11	T7	5	115811963	115812660	115.81	0	SEMA6A
CL350184	RP44_310M14	SP6	5	115924375	115924642	115.92	7.00E-12	SEMA6A
CL367772	RP44_372H17	T7	5	115929818	115930152	115.93	2.00E-13	SEMA6A
CL368822	RP44_289N13	SP6	5	115930406	115930817	115.93	e-101	SEMA6A
CL350103	RP44_310M14	T7	5	116108231	116108570	116.11	3.00E-60	LOC345591
CL347808	RP44_273M19	SP6	5	116144697	116144840	116.14	1.00E-19	LOC345591
CL333796	RP44_250B7	T7	5	116557684	116557865	116.56	8.00E-21	LOC351891
CL387939	RP44_284A15	T7	5	116612458	116612704	116.61	2.00E-54	LOC351892
CL388007	RP44_284A15	SP6	5	116783418	116783766	116.78	2.00E-30	NA
CL412118	RP44_430J1	SP6	5	117099937	117100062	117.10	2.00E-14	NA
CL345001	RP44_279F23	T7	5	117240605	117240915	117.24	5.00E-47	NA
CL345068	RP44_279F23	SP6	5	117335180	117335343	117.34	2.00E-15	NA
CL370079	RP44_293M16	SP6	5	117556169	117556604	117.56	3.00E-16	NA
CL370056	RP44_293G12	SP6	5	117556366	117556604	117.56	2.00E-16	NA
CL333037	CH242_12N14	SP6	5	117621340	117621383	117.62	4.00E-10	LOC345593
CL410603	RP44_419J9	T7	5	117737579	117737646	117.74	2.00E-07	LOC345593
CL331841	CH242_9K7	T7	5	117877278	117877568	117.88	6.00E-12	LOC345593
CL410677	RP44_419J9	SP6	5	117956584	117957072	117.96	5.00E-62	NA
CL349345	RP44_309A9	SP6	5	118072900	118073635	118.07	7.00E-74	LOC345595
CL357937	RP44_413H22	SP6	5	118495766	136663757	127.58	5.00E-87	SPOCK
CL361084	RP44_343L21	SP6	5	118714893	118714980	118.71	5.00E-08	GG2-1
CL379072	RP44_426I5	T7	5	118737801	118738011	118.74	2.00E-40	GG2-1
CL376188	RP44_443L1	T7	5	119076254	119076658	119.08	3.00E-47	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL341812	RP44_261G18	T7	5	119195668	119195719	119.20	4.00E-10	NA
CL335925	RP44_254B20	SP6	5	119638195	119638303	119.64	2.00E-13	LOC351895
CL409119	RP44_416F18	T7	5	119738643	119738759	119.74	4.00E-13	NA
CL409968	RP44_418G6	T7	5	119846624	119846855	119.85	2.00E-10	LOC51334
CL369244	RP44_290O8	T7	5	119877496	119877769	119.88	2.00E-27	LOC51334
CL352985	RP44_402E1	SP6	5	119905207	119905697	119.91	6.00E-12	LOC51334
CL349737	RP44_309D8	T7	5	120097723	120097788	120.10	2.00E-06	NA
CL345401	RP44_280E9	SP6	5	120105609	120105891	120.11	3.00E-08	NA
CL335202	RP44_253K23	T7	5	120277278	120277363	120.28	6.00E-09	LOC345597
CL338050	RP44_265N1	T7	5	120305326	120306026	120.31	1.00E-22	LOC345597
CL335809	RP44_254I15	SP6	5	120524995	120525221	120.53	1.00E-44	NA
CL352751	RP44_401F4	T7	5	120525036	120525221	120.53	9.00E-42	NA
CL373833	RP44_469C6	T7	5	120849372	120849424	120.85	3.00E-07	NA
CL333360	RP44_249O12	SP6	5	120888120	120888186	120.89	1.00E-09	NA
CL376396	RP44_444M15	SP6	5	120893631	120893694	120.89	7.00E-08	NA
CL333818	RP44_250F13	T7	5	121188430	121188938	121.19	7.00E-21	NA
CL320780	CH242_13M19	SP6	5	121346407	121346688	121.35	8.00E-15	FLJ25286
CL333890	RP44_250F13	SP6	5	121377801	121377985	121.38	8.00E-47	FLJ25286
CL369922	RP44_292B18	SP6	5	121547490	121547595	121.55	2.00E-19	LOC153441
CL320779	CH242_13M19	T7	5	121554574	121554630	121.55	6.00E-06	NA
CL439926	RP44_297N8	SP6	5	121566777	121566886	121.57	6.00E-14	NA
CL369484	RP44_291I22	T7	5	121706414	121706631	121.71	4.00E-40	SNCAIP
CL348086	RP44_273J22	SP6	5	121792515	121792911	121.79	3.00E-84	SNCAIP
CL322574	RP44_405N1	T7	5	121792840	121792928	121.79	5.00E-30	SNCAIP
CL382047	RP44_323A14	SP6	5	121811108	121811325	121.81	6.00E-71	MGC32805
CL359189	RP44_335F4	SP6	5	121818533	121818939	121.82	3.00E-11	MGC32805
CL342367	RP44_262K15	SP6	5	121902189	121902255	121.90	1.00E-16	NA
CL339529	RP44_255D8	T7	5	121914269	121914329	121.91	2.00E-08	NA
CL336131	RP44_255M9	SP6	5	122035202	122035590	122.04	8.00E-98	LOC351896
CL342289	RP44_262K15	T7	5	122101475	122101586	122.10	1.00E-06	LOC345394
CL355546	RP44_409F12	SP6	5	122383495	122383539	122.38	2.00E-08	LOC345395
CL379997	RP44_428D5	T7	5	122751314	122751622	122.75	3.00E-44	FLJ36090
CL334048	RP44_250H14	SP6	5	122751314	122751730	122.75	1.00E-87	FLJ36090
CL355976	RP44_410D23	SP6	5	122804260	122804475	122.80	7.00E-47	NA
CL380076	RP44_428D5	SP6	5	122881864	122881961	122.88	4.00E-16	CSNK1G3
CL388409	RP44_284D12	T7	5	122980677	122981308	122.98	e-102	CSNK1G3
CL387796	RP44_283E3	T7	5	122980939	122981308	122.98	9.00E-78	CSNK1G3
CL413097	RP44_432I19	T7	5	123018163	123018289	123.02	4.00E-10	LOC345396
CL413108	RP44_432K19	T7	5	123018163	123018289	123.02	5.00E-10	LOC345396
CL337969	RP44_265K24	SP6	5	123085023	123085096	123.09	5.00E-09	LOC345396
CL322771	RP44_437C7	SP6	5	123089678	123089726	123.09	4.00E-06	LOC345396
CL329745	RP44_394J20	SP6	5	123185324	123185546	123.19	1.00E-09	NA
CL348058	RP44_273D24	SP6	5	123200303	123200450	123.20	3.00E-16	NA
CL332160	CH242_10E20	T7	5	123248049	123248094	123.25	6.00E-07	LOC345397
CL363702	RP44_389J9	SP6	5	123413139	123413192	123.41	1.00E-06	LOC345397
CL350075	RP44_310I2	T7	5	123451708	123452193	123.45	2.00E-79	LOC345397
CL328168	RP44_248G15	SP6	5	123451709	123452145	123.45	7.00E-79	LOC345397
CL363769	RP44_389J9	T7	5	123554699	123555231	123.55	9.00E-11	NA
CL372934	RP44_307O6	T7	5	123564251	123564422	123.56	6.00E-15	NA
CL321471	CH242_20H2	SP6	5	123602094	123602210	123.60	3.00E-37	NA
CL410359	RP44_419G21	T7	5	123650413	123650578	123.65	3.00E-47	LOC351898
CL388772	RP44_285O8	T7	5	123694716	123694970	123.69	7.00E-18	NA
CL378397	RP44_424O12	T7	5	123760157	123760367	123.76	1.00E-40	NA
CL378644	RP44_424P12	T7	5	123760157	123760367	123.76	2.00E-40	NA
CL383806	RP44_327I18	T7	5	124013187	124013313	124.01	3.00E-44	KIAA1281
CL325036	RP44_479A23	SP6	5	124019137	124019242	124.02	1.00E-13	KIAA1281
CL384614	RP44_329O2	T7	5	124071080	124071138	124.07	9.00E-10	KIAA1281
CL339921	RP44_256D15	SP6	5	124074894	124075214	124.08	6.00E-12	KIAA1281
CL322966	RP44_437K22	T7	5	124102641	124103101	124.10	e-131	KIAA1281
CL345057	RP44_279D11	SP6	5	124239924	124240402	124.24	1.00E-87	LOC345400
CL334100	RP44_251A15	T7	5	124239945	124240352	124.24	6.00E-86	LOC345400
CL339844	RP44_256D15	T7	5	124256326	124257280	124.26	2.00E-86	LOC345400
CL384689	RP44_329O2	SP6	5	124268049	124268106	124.27	4.00E-09	LOC345400
CL322967	RP44_437K22	SP6	5	124271898	124272289	124.27	6.00E-70	NA
CL332811	CH242_12O2	SP6	5	124309771	124309961	124.31	1.00E-38	LOC351900

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL371031	RP44_301I17	T7	5	124390369	124390611	124.39	3.00E-06	LOC345401
CL344990	RP44_279D11	T7	5	124431117	124431191	124.43	8.00E-12	LOC345401
CL368059	RP44_288B11	T7	5	124694224	124694596	124.69	1.00E-19	NA
CL336146	RP44_255O23	SP6	5	124704016	124704129	124.70	2.00E-30	NA
CL414054	RP44_435P18	T7	5	124870018	124870272	124.87	2.00E-39	LOC345407
CL371939	RP44_304H16	T7	5	124977094	124977195	124.98	8.00E-14	LOC345409
CL379437	RP44_426L9	SP6	5	125050727	125050861	125.05	1.00E-24	NA
CL343196	RP44_276G8	SP6	5	125269644	125270069	125.27	2.00E-42	LOC345410
CL345821	RP44_280H20	T7	5	125358717	125358795	125.36	1.00E-07	LOC345410
CL371501	RP44_302P20	T7	5	125477638	125477760	125.48	1.00E-28	NA
CL386024	RP44_332H4	T7	5	125477638	125477776	125.48	1.00E-40	NA
CL370754	RP44_300A15	SP6	5	126123976	126124314	126.12	7.00E-21	NA
CL350256	RP44_310N1	T7	5	126213609	126213695	126.21	1.00E-09	NA
CL361708	RP44_351D3	T7	5	126326335	126326556	126.33	2.00E-40	LOC115123
CL333527	RP44_250C9	T7	5	126326656	126327168	126.33	2.00E-85	LOC115123
CL361786	RP44_351D3	SP6	5	126368508	126368693	126.37	6.00E-58	LOC115123
CL376684	RP44_445M1	SP6	5	126656636	126656768	126.66	2.00E-12	LOC345818
CL349020	RP44_275F5	SP6	5	126769110	126769301	126.77	6.00E-58	MEGF10
CL376614	RP44_445M1	T7	5	126852851	126853004	126.85	9.00E-17	NA
CL409306	RP44_417A3	SP6	5	127049048	127049106	127.05	3.00E-07	LOC351902
CL347726	RP44_273M17	T7	5	127055865	127055956	127.06	9.00E-08	LOC351902
CL362341	RP44_375P18	SP6	5	127064386	127064498	127.06	3.00E-11	LOC351902
CL363815	RP44_392G10	T7	5	127074412	127074482	127.07	4.00E-12	LOC351902
CL332571	CH242_12C1	SP6	5	127134175	127134287	127.13	3.00E-17	LOC345820
CL376334	RP44_444M13	T7	5	127255372	127255607	127.26	1.00E-28	NA
CL409217	RP44_417A3	T7	5	127276483	127276641	127.28	1.00E-12	NA
CL375896	RP44_441C14	T7	5	127431023	127431276	127.43	2.00E-10	LOC133926
CL364822	RP44_400E5	SP6	5	127517778	127518102	127.52	8.00E-79	SLC12A2
CL413418	RP44_433K4	T7	5	127898660	127899028	127.90	1.00E-50	FBN2
CL330243	CH242_3B19	SP6	5	128053609	128053674	128.05	2.00E-06	NA
CL384323	RP44_328F10	SP6	5	128285554	128285622	128.29	2.00E-06	VLCS-H1
CL384241	RP44_328F10	T7	5	128295705	128295773	128.30	7.00E-06	VLCS-H1
CL439988	RP44_299M12	SP6	5	128375902	128375947	128.38	1.00E-06	VLCS-H1
CL365148	RP44_400P19	T7	5	128441585	128442049	128.44	7.00E-86	NA
CL359306	RP44_336N13	T7	5	128509052	128509148	128.51	2.00E-08	NA
CL346401	RP44_270J19	SP6	5	128810046	128810469	128.81	8.00E-48	LOC351905
CL384071	RP44_328B13	T7	5	128888934	128888999	128.89	6.00E-09	ADAMTS19
CL366554	RP44_362G24	SP6	5	129064474	129064874	129.06	2.00E-46	ADAMTS19
CL337760	RP44_265C17	SP6	5	129125414	129125573	129.13	2.00E-14	LOC340124
CL368811	RP44_289L11	SP6	5	129457568	129457818	129.46	2.00E-32	CHSY2
CL324349	RP44_474O12	SP6	5	129470805	129470988	129.47	5.00E-22	CHSY2
CL381763	RP44_316A6	SP6	5	129506220	129506353	129.51	1.00E-11	CHSY2
CL381793	RP44_316I6	SP6	5	129506220	129506353	129.51	1.00E-11	CHSY2
CL386712	RP44_334B22	T7	5	129558016	129558082	129.56	2.00E-09	NA
CL382811	RP44_325K17	SP6	5	129559556	129559608	129.56	2.00E-08	NA
CL378043	RP44_422F22	SP6	5	129754890	129755406	129.76	5.00E-07	NA
CL381146	RP44_314H10	SP6	5	129755328	129755406	129.76	4.00E-07	NA
CL366927	RP44_363K1	T7	5	130010918	130011163	130.01	2.00E-21	NA
CL355723	RP44_410A16	T7	5	130028371	130028499	130.03	7.00E-06	NA
CL332682	CH242_12G10	T7	5	130073721	130073950	130.07	2.00E-15	NA
CL361109	RP44_344B8	T7	5	130741607	130741795	130.74	8.00E-18	SPEC2
CL361180	RP44_344B8	SP6	5	130760990	130761233	130.76	2.00E-71	SPEC2
CL386981	RP44_335A6	T7	5	131314517	131314834	131.31	3.00E-14	FACL6
CL413748	RP44_435O3	T7	5	131368346	131368804	131.37	7.00E-21	FACL6
CL360484	RP44_339F23	T7	5	131369984	131370252	131.37	4.00E-56	FACL6
CL359178	RP44_335D2	SP6	5	131688085	131751987	131.72	1.00E-99	SLC22A5
CL388868	RP44_285D14	T7	5	131695319	131696011	131.70	2.00E-35	SLC22A4
CL374530	RP44_470I10	T7	5	131707085	131707382	131.71	2.00E-49	SLC22A4
CL367931	RP44_374B7	SP6	5	132003651	132003758	132.00	2.00E-36	RAD50
CL363210	RP44_383E16	SP6	5	132003976	132004726	132.00	7.00E-42	RAD50
CL363132	RP44_383E16	T7	5	132081419	132081482	132.08	8.00E-15	KIF3A
CL357935	RP44_413H18	SP6	5	132241745	132241826	132.24	5.00E-09	NA
CL362973	RP44_383G1	T7	5	132294533	132294585	132.29	2.00E-08	AF5Q31
CL357851	RP44_413H18	T7	5	132439782	132439977	132.44	3.00E-41	HSPA4
CL361001	RP44_343H11	T7	5	132570319	132570459	132.57	7.00E-30	KIAA1061

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL351184	RP44_312G19	T7	5	132612527	132612697	132.61	3.00E-50	KIAA1061
CL388161	RP44_284C12	SP6	5	132612553	132612697	132.61	2.00E-39	KIAA1061
CL388085	RP44_284C12	T7	5	132779778	132779887	132.78	1.00E-09	KIAA1061
CL383175	RP44_325D18	T7	5	132885544	132886287	132.89	2.00E-27	KIAA1061
CL356817	RP44_412E7	SP6	5	132897362	132897420	132.90	1.00E-09	KIAA1061
CL346166	RP44_270G13	T7	5	132942309	132942672	132.94	e-144	KIAA1061
CL333232	RP44_249K21	SP6	5	133199976	133200193	133.20	1.00E-12	NA
CL333548	RP44_250G19	T7	5	133743099	133743353	133.74	2.00E-48	UBE2B
CL411499	RP44_422C18	T7	5	133804959	133805015	133.80	2.00E-06	NA
CL362027	RP44_353J1	T7	5	133878370	133878563	133.88	2.00E-30	NA
CL333617	RP44_250G19	SP6	5	133969808	133970027	133.97	7.00E-06	NA
CL328912	RP44_373P20	SP6	5	134059146	134059339	134.06	2.00E-61	SEC24A
CL324321	RP44_474M8	SP6	5	134082570	134082662	134.08	9.00E-14	SEC24A
CL412372	RP44_430L8	SP6	5	134223543	134223949	134.22	2.00E-36	FLJ37562
CL378875	RP44_425O9	SP6	5	134272316	134272385	134.27	2.00E-11	DCOHN
CL380584	RP44_429O24	T7	5	134272316	134272385	134.27	2.00E-11	DCOHN
CL439621	RP44_296M11	SP6	5	134272316	134273137	134.27	2.00E-11	DCOHN
CL324320	RP44_474M8	T7	5	134301997	134302165	134.30	1.00E-43	DCOHN
CL380671	RP44_429O24	SP6	5	134470179	134470502	134.47	e-106	LOC345602
CL372987	RP44_307K24	SP6	5	134572664	134572793	134.57	7.00E-07	LOC345605
CL363157	RP44_383K8	T7	5	134733283	134733804	134.73	2.00E-91	H2AFY
CL343511	RP44_276F24	SP6	5	134793768	134793816	134.79	6.00E-06	NA
CL373473	RP44_308N7	SP6	5	134991319	134991372	134.99	1.00E-06	NA
CL343218	RP44_276K18	SP6	5	135034702	135034900	135.03	7.00E-06	NA
CL375615	RP44_471N22	SP6	5	135342299	135342361	135.34	1.00E-09	NA
CL324064	RP44_463N19	SP6	5	135527239	135527331	135.53	6.00E-18	MADH5
CL375540	RP44_471N22	T7	5	135527239	135527335	135.53	3.00E-20	MADH5
CL440158	RP44_299F22	SP6	5	135690748	135690796	135.69	6.00E-06	TRPC7
CL369315	RP44_290K20	SP6	5	135981788	135981856	135.98	7.00E-06	NA
CL409878	RP44_418A13	T7	5	136231425	136231644	136.23	3.00E-89	NA
CL380518	RP44_429E2	T7	5	136357617	136357665	136.36	1.00E-10	SPOCK
CL413820	RP44_435A14	T7	5	136538980	136539104	136.54	3.00E-44	SPOCK
CL323414	RP44_458M23	SP6	5	136610321	136610755	136.61	e-114	SPOCK
CL344346	RP44_278D5	T7	5	136667512	136667605	136.67	1.00E-13	SPOCK
CL353133	RP44_402C12	SP6	5	136961927	136962008	136.96	6.00E-21	NA
CL368270	RP44_288N22	T7	5	137008675	137008821	137.01	2.00E-20	KLHL3
CL380001	RP44_428D13	T7	5	137018084	137018125	137.02	1.00E-06	KLHL3
CL368330	RP44_288N22	SP6	5	137179773	137180907	137.18	1.00E-21	NA
CL410701	RP44_419P3	SP6	5	137204635	137204832	137.20	3.00E-16	NA
CL356648	RP44_411P8	T7	5	137236961	137237503	137.24	0	TTID
CL356713	RP44_411P8	SP6	5	137320701	137321552	137.32	1.00E-99	C5orf5
CL366628	RP44_362J5	T7	5	137537862	137538034	137.54	3.00E-23	BRD8
CL369177	RP44_290C10	T7	5	137695013	137695206	137.70	2.00E-09	CDC25C
CL322855	RP44_437M3	T7	5	137951071	137951309	137.95	1.00E-09	LOC351911
CL369364	RP44_291G5	T7	5	137969042	137969159	137.97	2.00E-29	LOC351911
CL334730	RP44_252G23	T7	5	138154132	138154246	138.15	4.00E-09	CTNNA1
CL379439	RP44_426L13	SP6	5	138199031	138199127	138.20	1.00E-06	CTNNA1
CL348112	RP44_273P10	SP6	5	138222686	138222884	138.22	4.00E-31	CTNNA1
CL334810	RP44_252G23	SP6	5	138354873	138355144	138.36	2.00E-51	SIL1
CL356014	RP44_410L15	SP6	5	138932591	138933768	138.93	8.00E-14	UBE2D2
CL370194	RP44_294J3	SP6	5	139172377	139172558	139.17	5.00E-57	DKFZp761B0514
CL375018	RP44_471I1	T7	5	139486011	139486423	139.49	e-154	NA
CL331247	CH242_7014	T7	5	139495290	139495412	139.50	1.00E-12	LOC345527
CL351867	RP44_313N17	T7	5	139844458	139844935	139.84	5.00E-28	FLJ20288
CL365807	RP44_356G17	T7	5	139868492	139868704	139.87	3.00E-44	FLJ20288
CL362875	RP44_380D12	SP6	5	140067222	140067363	140.07	5.00E-37	FLJ31121
CL350694	RP44_311G10	T7	5	140149075	140245148	140.20	2.00E-36	PCDHA13
CL350770	RP44_311G10	SP6	5	140348773	140348993	140.35	3.00E-11	PCDHAC2
CL338090	RP44_265F3	SP6	5	140380733	140381065	140.38	4.00E-13	NA
CL363927	RP44_393A20	T7	5	140380733	140381065	140.38	3.00E-07	NA
CL363935	RP44_393C20	T7	5	140380733	140381065	140.38	4.00E-13	NA
CL375343	RP44_471F21	T7	5	140423530	140423590	140.42	2.00E-08	NA
CL339530	RP44_255D10	T7	5	140536196	140609082	140.57	e-101	PCDHB15
CL320344	CH242_6D8	SP6	5	140752804	140791513	140.77	4.00E-22	PCDHGA11
CL365417	RP44_353H18	T7	5	140792503	140792758	140.79	4.00E-07	PCDHGA11

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL349285	RP44_309E17	T7	5	140895884	140895932	140.90	1.00E-07	DIAPH1
CL365491	RP44_353H18	SP6	5	140961160	140961404	140.96	1.00E-31	NA
CL321870	CH242_15M5	T7	5	140978651	140978699	140.98	2.00E-08	NA
CL320260	CH242_2D9	T7	5	141319727	141319999	141.32	8.00E-56	PCDH12
CL361488	RP44_350D12	SP6	5	141333560	141333607	141.33	2.00E-10	RNF14
CL362288	RP44_375D18	SP6	5	141723181	141723554	141.72	1.00E-49	NA
CL362213	RP44_375D18	T7	5	141918236	141918320	141.92	7.00E-11	NA
CL351887	RP44_313B15	SP6	5	142016872	142016918	142.02	4.00E-07	FGF1
CL333249	RP44_249O13	SP6	5	142059456	142059554	142.06	2.00E-07	LOC345534
CL362856	RP44_380P12	T7	5	142155822	142155973	142.16	3.00E-25	GRAF
CL408603	RP44_415L13	SP6	5	142269863	142270022	142.27	5.00E-34	GRAF
CL361029	RP44_343P1	T7	5	142391906	142391957	142.39	6.00E-08	GRAF
CL361096	RP44_343P1	SP6	5	142407681	142407950	142.41	2.00E-13	GRAF
CL336527	RP44_263G21	SP6	5	142792954	142793653	142.79	4.00E-10	NA
CL322065	RP44_399J11	T7	5	143069969	143070255	143.07	7.00E-11	NA
CL384836	RP44_329N13	SP6	5	143106534	143106607	143.11	6.00E-09	NA
CL344455	RP44_278H13	SP6	5	143244600	143244685	143.24	1.00E-16	NA
CL344795	RP44_279M7	SP6	5	143671014	143671254	143.67	8.00E-42	KIAA1317
CL365866	RP44_356G9	SP6	5	143756357	143756589	143.76	9.00E-45	KIAA1317
CL373840	RP44_469C22	T7	5	144111301	144111511	144.11	8.00E-08	NA
CL350793	RP44_311K12	SP6	5	144558701	144559204	144.56	e-138	LOC345540
CL373374	RP44_308H15	T7	5	144708249	144708483	144.71	6.00E-43	LOC345540
CL350716	RP44_311K12	T7	5	144802499	144802545	144.80	3.00E-07	LOC345540
CL346932	RP44_271D12	T7	5	144999114	144999508	145.00	1.00E-68	NA
CL355687	RP44_410I1	SP6	5	145271174	145271375	145.27	5.00E-36	NA
CL366727	RP44_362N17	SP6	5	145288731	145288869	145.29	2.00E-40	NA
CL370171	RP44_294D17	SP6	5	145352620	145352690	145.35	3.00E-07	FLJ23654
CL328071	RP44_248A21	T7	5	145377584	145377942	145.38	3.00E-41	FLJ23654
CL376064	RP44_443I23	T7	5	146058410	146058832	146.06	e-156	PPP2R2B
CL381772	RP44_316C10	SP6	5	146380229	146380354	146.38	3.00E-09	PPP2R2B
CL388936	RP44_285D6	SP6	5	146474569	146474668	146.47	1.00E-31	NA
CL339040	RP44_268M21	SP6	5	146650371	146650487	146.65	1.00E-22	MGC22688
CL350225	RP44_310F15	T7	5	146923242	146923341	146.92	1.00E-12	LOC153469
CL347140	RP44_272K21	T7	5	147011092	147011249	147.01	7.00E-52	KIAA0555
CL326761	RP44_244O15	SP6	5	147031841	147031976	147.03	5.00E-34	KIAA0555
CL381371	RP44_315B4	T7	5	147345148	147345394	147.35	1.00E-07	NA
CL385996	RP44_332B4	T7	5	147348394	147348614	147.35	3.00E-41	NA
CL328945	RP44_382D15	T7	5	147978718	147978799	147.98	4.00E-16	HTR4
CL375749	RP44_436F8	SP6	5	148195587	148195919	148.20	5.00E-80	NA
CL377915	RP44_422H7	SP6	5	148241624	148241772	148.24	5.00E-06	LOC351863
CL375667	RP44_436F8	T7	5	148425240	148425275	148.43	3.00E-10	KIAA1985
CL372698	RP44_306P5	SP6	5	148867623	148867931	148.87	3.00E-50	CSNK1A1
CL369613	RP44_292I23	T7	5	148867623	148867955	148.87	5.00E-58	CSNK1A1
CL384385	RP44_329A7	T7	5	149172886	149173206	149.17	4.00E-13	PERC
CL341168	RP44_260E11	SP6	5	149216836	149216884	149.22	2.00E-06	LOC153346
CL368778	RP44_289F7	SP6	5	149496612	149496733	149.50	4.00E-15	PDGFRB
CL362970	RP44_383E19	T7	5	149545477	149545536	149.55	5.00E-22	CDX1
CL361251	RP44_350A1	T7	5	149545479	149545511	149.55	4.00E-06	CDX1
CL367400	RP44_367G10	SP6	5	150116190	150116348	150.12	6.00E-48	DCTN4
CL413116	RP44_432M17	T7	5	150576996	150577241	150.58	2.00E-06	DKFZP434C171
CL387555	RP44_281D15	SP6	5	150709929	150710030	150.71	4.00E-12	NA
CL350918	RP44_311F1	SP6	5	150804219	150804267	150.80	1.00E-06	SLC36A1
CL355364	RP44_409N19	T7	5	150888542	150888700	150.89	6.00E-43	FAT2
CL387471	RP44_281D15	T7	5	150913303	150913598	150.91	1.00E-81	FAT2
CL350837	RP44_311F1	T7	5	150960104	150960154	150.96	1.00E-09	NA
CL342268	RP44_262G9	T7	5	151084487	151084533	151.08	3.00E-07	NA
CL380896	RP44_314F11	T7	5	151172591	151172691	151.17	2.00E-32	NA
CL347879	RP44_273M6	T7	5	151172591	151172766	151.17	9.00E-66	NA
CL337072	RP44_264C19	T7	5	151172591	151172852	151.17	7.00E-98	NA
CL354616	RP44_408I17	T7	5	151272238	151272320	151.27	1.00E-09	GLRA1
CL376437	RP44_444H9	T7	5	151272238	151272320	151.27	5.00E-12	GLRA1
CL355433	RP44_409L11	SP6	5	151294289	151294376	151.29	1.00E-07	LOC345612
CL347950	RP44_273M6	SP6	5	151338724	151339079	151.34	3.00E-19	NA
CL338507	RP44_266I2	T7	5	151515422	151515581	151.52	6.00E-06	LOC345615
CL374512	RP44_470E20	T7	5	151807934	151808160	151.81	1.00E-53	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL374598	RP44_470E20	SP6	5	151958137	151958456	151.96	3.00E-26	NA
CL387382	RP44_281A16	SP6	5	152198502	152198624	152.20	4.00E-10	LOC345617
CL388572	RP44_285E17	T7	5	152295726	152295870	152.30	4.00E-10	NA
CL333538	RP44_250E17	T7	5	152525191	152525265	152.53	2.00E-14	NA
CL355044	RP44_409I5	T7	5	152548840	152548907	152.55	2.00E-10	NA
CL372561	RP44_306F7	T7	5	153412429	153412775	153.41	7.00E-70	MFAP3
CL364623	RP44_396N16	SP6	5	153599110	153599161	153.60	6.00E-08	GALNT10
CL337641	RP44_264L10	SP6	5	153599267	153599815	153.60	1.00E-90	GALNT10
CL375246	RP44_471C6	SP6	5	153639370	153639584	153.64	3.00E-16	GALNT10
CL371559	RP44_302L24	SP6	5	153810514	153811135	153.81	2.00E-10	FLJ11526
CL408828	RP44_416I1	T7	5	153811746	153811860	153.81	1.00E-30	FLJ11526
CL410236	RP44_418P2	T7	5	154648208	154648440	154.65	4.00E-10	NA
CL320338	CH242_6B24	SP6	5	154936238	154936350	154.94	5.00E-06	LOC345621
CL350214	RP44_310D11	T7	5	154965270	154965368	154.97	7.00E-12	LOC345621
CL325203	RP44_479H19	T7	5	154989133	154989438	154.99	e-116	LOC345621
CL375399	RP44_471B9	SP6	5	155007205	155007472	155.01	1.00E-19	NA
CL375321	RP44_471B9	T7	5	155176355	155176457	155.18	4.00E-12	LOC351820
CL379199	RP44_426O21	SP6	5	155194287	155194466	155.19	8.00E-15	LOC351820
CL334439	RP44_251H11	T7	5	155252018	155252162	155.25	1.00E-16	NA
CL343350	RP44_276H1	SP6	5	155261529	155261601	155.26	1.00E-06	NA
CL327776	RP44_246B13	T7	5	155384882	155385174	155.39	9.00E-17	NA
CL386347	RP44_333N8	T7	5	155403094	155403499	155.40	4.00E-35	NA
CL383381	RP44_326I24	T7	5	155521644	155521723	155.52	4.00E-10	SGCD
CL327840	RP44_246B13	SP6	5	155595180	155595281	155.60	3.00E-09	SGCD
CL360509	RP44_339N5	T7	5	156069663	156069896	156.07	9.00E-17	SGCD
CL372297	RP44_305B21	SP6	5	156309364	156309443	156.31	2.00E-12	LOC91937
CL331545	CH242_8O5	T7	5	156700324	156700379	156.70	1.00E-07	CYFIP2
CL408504	RP44_415H23	T7	5	156716907	156717036	156.72	2.00E-49	CYFIP2
CL375631	RP44_436N23	SP6	5	156756386	156756492	156.76	2.00E-11	PRO1331
CL331937	CH242_9M15	SP6	5	156882382	156882619	156.88	4.00E-66	ADAM19
CL328023	RP44_246J4	SP6	5	156923913	156924042	156.92	6.00E-15	ADAM19
CL377739	RP44_457K4	T7	5	156968277	156968310	156.97	1.00E-06	NA
CL414381	RP44_436N23	T7	5	156974610	156974986	156.97	5.00E-80	NA
CL368225	RP44_288F14	T7	5	157071511	157071574	157.07	4.00E-10	NA
CL331510	CH242_8I3	T7	5	157097059	157097292	157.10	7.00E-61	FLJ20546
CL327943	RP44_246J4	T7	5	157168147	157168553	157.17	2.00E-98	ENTH
CL344207	RP44_278G12	T7	5	157341814	157341939	157.34	7.00E-09	LOC345471
CL372158	RP44_305C19	SP6	5	157375181	157375262	157.38	8.00E-07	LOC345471
CL372081	RP44_305C19	T7	5	157438085	157438611	157.44	e-111	LOC345471
CL337462	RP44_264D23	SP6	5	157824660	157825127	157.82	1.00E-13	NA
CL342391	RP44_262O19	SP6	5	158060784	158061436	158.06	e-139	NA
CL384451	RP44_329M13	T7	5	158149745	158149803	158.15	1.00E-09	NA
CL326593	RP44_243J8	SP6	5	158285158	158285213	158.29	1.00E-10	NA
CL384530	RP44_329M13	SP6	5	158331068	158331382	158.33	3.00E-07	NA
CL414447	RP44_436J19	SP6	5	158384157	158384535	158.38	e-117	NA
CL344513	RP44_278D6	T7	5	158516219	158516452	158.52	2.00E-09	NA
CL344578	RP44_278P18	T7	5	158516219	158516452	158.52	2.00E-09	NA
CL370623	RP44_296E9	T7	5	158516219	158516452	158.52	8.00E-07	NA
CL362977	RP44_383G13	T7	5	158636448	158636490	158.64	4.00E-07	MGC10067
CL382036	RP44_323O14	T7	5	158639510	158639602	158.64	2.00E-18	MGC10067
CL344654	RP44_278P18	SP6	5	158681270	158681349	158.68	4.00E-10	IL12B
CL321356	CH242_15J24	SP6	5	158771723	158771768	158.77	1.00E-06	NA
CL382120	RP44_323O14	SP6	5	158876902	158877298	158.88	9.00E-36	NA
CL321942	CH242_15J24	T7	5	158995177	158995665	159.00	2.00E-33	NA
CL381685	RP44_316M23	SP6	5	159159280	159159623	159.16	3.00E-07	NA
CL389598	RP44_286N18	SP6	5	159290957	159291141	159.29	2.00E-30	ADRA1B
CL413301	RP44_432F12	SP6	5	159776489	159776922	159.78	2.00E-20	SLU7
CL374286	RP44_469L16	SP6	5	159847946	159848343	159.85	4.00E-10	LOC285628
CL337414	RP44_264L7	T7	5	159969172	159969604	159.97	7.00E-79	ATP10B
CL336584	RP44_263C2	T7	5	160635508	160638282	160.64	9.00E-08	NA
CL333588	RP44_250A13	SP6	5	160676919	160677119	160.68	1.00E-44	GABRB2
CL342852	RP44_275H12	SP6	5	161070307	161070690	161.07	7.00E-06	NA
CL333341	RP44_249I6	SP6	5	161102570	161102722	161.10	6.00E-30	NA
CL322959	RP44_437I24	SP6	5	161196852	161196979	161.20	5.00E-10	NA
CL323049	RP44_455H14	T7	5	161228127	161228344	161.23	4.00E-83	GABRA1

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL323423	RP44_458O11	SP6	5	161473140	161473378	161.47	6.00E-09	GABRG2
CL355181	RP44_409I14	T7	5	161473419	161473620	161.47	8.00E-08	GABRG2
CL363699	RP44_389J1	SP6	5	161513432	161513500	161.51	4.00E-18	GABRG2
CL327924	RP44_246F12	T7	5	161513988	161514182	161.51	1.00E-24	GABRG2
CL362158	RP44_375E5	SP6	5	161513988	161514344	161.51	2.00E-42	GABRG2
CL349132	RP44_308F8	T7	5	161644912	161645141	161.65	5.00E-31	NA
CL382155	RP44_323F19	T7	5	161734834	161735112	161.73	3.00E-08	NA
CL368085	RP44_288H5	T7	5	161890621	161890898	161.89	2.00E-30	LOC351825
CL332148	CH242_10C20	T7	5	161999947	162000373	162.00	6.00E-49	NA
CL409477	RP44_417E16	SP6	5	162028081	162028240	162.03	8.00E-26	NA
CL340250	RP44_257K9	SP6	5	162208439	162208513	162.21	6.00E-12	LOC351826
CL372036	RP44_304L2	SP6	5	162358930	162359072	162.36	1.00E-16	NA
CL364303	RP44_396O12	T7	5	162375610	171937024	167.16	5.00E-19	NA
CL322456	RP44_404N22	SP6	5	162456959	162457348	162.46	2.00E-15	NA
CL361178	RP44_344B4	SP6	5	162630158	162630328	162.63	6.00E-42	NA
CL410041	RP44_418E2	SP6	5	162728101	162728177	162.73	8.00E-11	NA
CL377822	RP44_457I18	SP6	5	162804406	162804616	162.80	2.00E-33	CCNG1
CL335108	RP44_252J7	SP6	5	162879143	162879262	162.88	1.00E-28	MAT2B
CL377832	RP44_457K16	SP6	5	162907428	162907702	162.91	1.00E-77	NA
CL377735	RP44_457I18	T7	5	162920015	162920539	162.92	6.00E-12	NA
CL382006	RP44_323I20	T7	5	162962279	162962812	162.96	7.00E-77	LOC351827
CL327573	RP44_246E19	SP6	5	163052004	163052399	163.05	e-127	NA
CL377745	RP44_457K16	T7	5	163065316	163065456	163.07	3.00E-21	NA
CL413583	RP44_433L14	T7	5	163371744	163372269	163.37	2.00E-71	NA
CL336801	RP44_263N17	T7	5	163518066	163518515	163.52	6.00E-28	LOC345476
CL439990	RP44_299M16	SP6	5	163576154	163576643	163.58	e-150	NA
CL368907	RP44_289N24	T7	5	163687764	163688000	163.69	2.00E-34	NA
CL375828	RP44_441G1	T7	5	163832229	163832649	163.83	e-109	LOC345480
CL367350	RP44_367M4	T7	5	163861205	163861433	163.86	9.00E-96	LOC345480
CL368989	RP44_289N24	SP6	5	163870411	163870495	163.87	7.00E-06	NA
CL371178	RP44_302I22	T7	5	164006651	164006907	164.01	2.00E-21	NA
CL366834	RP44_362F16	SP6	5	164068416	164068465	164.07	7.00E-14	LOC345481
CL343259	RP44_276F1	T7	5	164111123	164111536	164.11	3.00E-54	NA
CL351262	RP44_312G13	SP6	5	164170702	164170754	164.17	8.00E-11	NA
CL386907	RP44_335A23	SP6	5	164516795	164516859	164.52	6.00E-06	NA
CL366109	RP44_358E20	SP6	5	164573184	164573811	164.57	e-124	NA
CL381953	RP44_323O13	SP6	5	164613631	164613675	164.61	4.00E-06	NA
CL322757	RP44_437A13	SP6	5	164613735	164613780	164.61	3.00E-09	NA
CL366828	RP44_362D20	SP6	5	164641293	164641583	164.64	8.00E-82	NA
CL368493	RP44_289M5	SP6	5	164927532	164927618	164.93	2.00E-09	LOC345486
CL412511	RP44_431G17	SP6	5	164940965	164941274	164.94	7.00E-98	LOC345486
CL384029	RP44_327H22	SP6	5	164946012	164946177	164.95	5.00E-31	LOC345486
CL378898	RP44_425C22	T7	5	164946012	164946510	164.95	e-101	LOC345486
CL383774	RP44_327C18	T7	5	164998528	164998857	165.00	e-102	NA
CL348861	RP44_275G8	SP6	5	165108122	165108499	165.11	e-117	NA
CL383853	RP44_327C18	SP6	5	165171472	165171624	165.17	4.00E-35	LOC340055
CL390146	RP44_288O9	T7	5	165418450	165418589	165.42	2.00E-12	LOC345488
CL377498	RP44_449L4	SP6	5	165519595	165519843	165.52	4.00E-16	LOC345488
CL365175	RP44_400F9	SP6	5	165530929	165531072	165.53	2.00E-13	LOC345488
CL329652	RP44_394P23	T7	5	165580715	165580818	165.58	4.00E-10	LOC345488
CL346211	RP44_270A15	SP6	5	165647178	165647227	165.65	1.00E-06	NA
CL370406	RP44_295F15	SP6	5	165704972	165705340	165.71	2.00E-91	LOC351829
CL380481	RP44_429M15	SP6	5	165747086	165747445	165.75	3.00E-08	NA
CL321266	CH242_15L23	SP6	5	165882572	165883139	165.88	0	NA
CL380394	RP44_429M15	T7	5	165944329	165944450	165.94	3.00E-14	LOC351830
CL348641	RP44_275M7	T7	5	166042158	166042391	166.04	2.00E-08	LOC351830
CL321265	CH242_15L23	T7	5	166091709	166092257	166.09	5.00E-68	LOC351830
CL378034	RP44_422D22	SP6	5	166174918	166175084	166.18	4.00E-10	LOC351830
CL389631	RP44_287E3	T7	5	166257751	166258044	166.26	3.00E-23	NA
CL328040	RP44_246L20	SP6	5	166271074	166271174	166.27	2.00E-08	NA
CL327939	RP44_246H18	T7	5	166344075	166344618	166.34	2.00E-42	NA
CL366382	RP44_358B18	SP6	5	166352429	166353006	166.35	1.00E-96	NA
CL387766	RP44_282O1	SP6	5	166397557	166397673	166.40	4.00E-25	NA
CL389708	RP44_287E3	SP6	5	166424218	166424619	166.42	e-112	LOC345490
CL328019	RP44_246H18	SP6	5	166546770	166547010	166.55	7.00E-18	LOC351831

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL381789	RP44_316G14	SP6	5	166563901	166564304	166.56	e-114	LOC351831
CL336022	RP44_255G19	T7	5	166657588	166658225	166.66	5.00E-28	LOC134541
CL346493	RP44_270L12	T7	5	166658115	166658599	166.66	7.00E-86	LOC134541
CL348661	RP44_275A11	SP6	5	166741712	166741854	166.74	3.00E-23	LOC202137
CL336104	RP44_255G19	SP6	5	166818013	166818621	166.82	e-152	NA
CL409714	RP44_417N8	T7	5	166819577	166819655	166.82	2.00E-21	NA
CL364900	RP44_400I23	T7	5	166944914	166944985	166.94	6.00E-13	NA
CL333047	CH242_12P12	SP6	5	166949248	166949603	166.95	4.00E-62	NA
CL379423	RP44_426H21	SP6	5	167075792	167075972	167.08	8.00E-33	NA
CL364848	RP44_400I23	SP6	5	167123952	167123985	167.12	1.00E-06	NA
CL412556	RP44_431A4	T7	5	167150933	167151095	167.15	7.00E-24	NA
CL332962	CH242_12P12	T7	5	167178972	167179354	167.18	4.00E-13	LOC345492
CL336624	RP44_263I22	T7	5	167190791	167190872	167.19	5.00E-09	LOC345492
CL379342	RP44_426H21	T7	5	167239798	167240146	167.24	e-140	NA
CL412641	RP44_431A4	SP6	5	167327854	167327970	167.33	6.00E-18	NA
CL361062	RP44_343H3	SP6	5	167368524	167368621	167.37	1.00E-06	NA
CL370059	RP44_293G18	SP6	5	167387563	167387897	167.39	1.00E-59	NA
CL376542	RP44_444J2	SP6	5	167558183	167558517	167.56	1.00E-95	ODZ2
CL376495	RP44_444J2	T7	5	167691948	167692175	167.69	4.00E-25	KIBRA
CL330371	CH242_3J16	T7	5	167749899	167749989	167.75	3.00E-07	KIBRA
CL379797	RP44_428M17	SP6	5	167911831	167912154	167.91	7.00E-09	NA
CL321948	CH242_15L14	T7	5	168025647	168025685	168.03	9.00E-06	SLIT3
CL383945	RP44_327F18	T7	5	168076803	168077252	168.08	1.00E-09	SLIT3
CL355081	RP44_409A15	SP6	5	168212499	168212713	168.21	2.00E-11	SLIT3
CL351937	RP44_313L13	SP6	5	168314088	168314278	168.31	7.00E-15	SLIT3
CL353744	RP44_403J21	SP6	5	168394471	168394512	168.39	6.00E-09	SLIT3
CL355015	RP44_409A15	T7	5	168419072	168419105	168.42	8.00E-07	SLIT3
CL337270	RP44_264K20	T7	5	168477334	168477513	168.48	2.00E-52	SLIT3
CL351855	RP44_313L13	T7	5	168488061	168488247	168.49	3.00E-26	SLIT3
CL353683	RP44_403J21	T7	5	168569606	168569883	168.57	8.00E-73	SLIT3
CL341660	RP44_261I5	T7	5	168964796	168965246	168.97	5.00E-16	FLJ20364
CL386174	RP44_333I20	T7	5	168966634	168966768	168.97	5.00E-43	FLJ20364
CL411413	RP44_421D10	SP6	5	169022041	169022111	169.02	5.00E-12	DOCK2
CL359998	RP44_338P5	T7	5	169250938	169251060	169.25	1.00E-09	DOCK2
CL378522	RP44_424P5	T7	5	169250938	169251060	169.25	1.00E-09	DOCK2
CL332516	CH242_12I1	T7	5	169340378	169340793	169.34	8.00E-64	DOCK2
CL353860	RP44_403H16	SP6	5	169414635	169414758	169.41	2.00E-17	DOCK2
CL378582	RP44_424P5	SP6	5	169414635	169414766	169.41	7.00E-27	DOCK2
CL360086	RP44_338P5	SP6	5	169429814	169429898	169.43	8.00E-08	DOCK2
CL342388	RP44_262O13	SP6	5	169492381	169492413	169.49	6.00E-06	LOC345430
CL365162	RP44_400D3	SP6	5	170054588	170054697	170.05	3.00E-26	KCNIP1
CL320607	CH242_10N12	SP6	5	170322870	170323002	170.32	4.00E-13	RANBP17
CL358405	RP44_414N7	SP6	5	170533671	170534133	170.53	8.00E-42	RANBP17
CL320631	CH242_10P18	SP6	5	170543105	170543499	170.54	4.00E-75	RANBP17
CL323742	RP44_458P18	T7	5	170643846	170644091	170.64	3.00E-26	RANBP17
CL348044	RP44_273B4	SP6	5	170790717	170790817	170.79	3.00E-11	FGF18
CL328547	RP44_248F2	T7	5	170887877	170887946	170.89	2.00E-15	LOC345434
CL347966	RP44_273B4	T7	5	171002930	171003257	171.00	3.00E-28	NA
CL351803	RP44_313B13	T7	5	171109107	171109168	171.11	7.00E-09	LOC345435
CL387602	RP44_281N3	SP6	5	171116762	171116880	171.12	6.00E-12	LOC345435
CL380977	RP44_314F5	SP6	5	171116762	171116880	171.12	2.00E-14	LOC345435
CL367272	RP44_365K3	SP6	5	171573489	171573918	171.57	2.00E-70	DC-Ubp
CL356943	RP44_412O8	T7	5	172328279	172328339	172.33	7.00E-11	RPL26L1
CL341134	RP44_259M20	SP6	5	172437049	172437110	172.44	9.00E-07	LOC153222
CL382396	RP44_324E23	T7	5	172714484	172714769	172.71	4.00E-38	LOC351838
CL362895	RP44_380H10	SP6	5	173197762	173197935	173.20	3.00E-38	NA
CL440120	RP44_299N12	T7	5	173279852	173280379	173.28	2.00E-12	KIAA1673
CL337815	RP44_265O5	SP6	5	173283318	173283564	173.28	4.00E-22	KIAA1673
CL339547	RP44_255H2	T7	5	173412767	173412848	173.41	3.00E-09	HMP19
CL347112	RP44_272G1	T7	5	173508507	173508612	173.51	9.00E-33	NA
CL347187	RP44_272G1	SP6	5	173663821	173663887	173.66	1.00E-09	NA
CL381019	RP44_314N15	SP6	5	173710955	173711074	173.71	1.00E-25	NA
CL347293	RP44_272K16	T7	5	173774794	173775273	173.78	1.00E-13	LOC133486
CL331406	CH242_7P23	T7	5	173776121	173776176	173.78	1.00E-07	LOC133486
CL411917	RP44_430A10	T7	5	174050463	174050818	174.05	4.00E-06	LOC340031

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL411998	RP44_430A10	SP6	5	174316605	174316728	174.32	4.00E-16	LOC351841
CL376326	RP44_444K13	T7	5	174460965	174461152	174.46	1.00E-12	NA
CL358373	RP44_414F21	SP6	5	174778101	174778404	174.78	6.00E-06	LOC345445
CL339254	RP44_268P3	T7	5	175079248	175079533	175.08	6.00E-30	NA
CL385412	RP44_330D2	T7	5	176061174	176061267	176.06	7.00E-09	NA
CL366892	RP44_363A13	T7	5	176061174	176061267	176.06	5.00E-09	NA
CL381815	RP44_316M22	SP6	5	176160175	176160227	176.16	1.00E-06	LOC351845
CL321554	CH242_13A24	T7	5	176166126	176166469	176.17	7.00E-09	LOC351845
CL345470	RP44_280C20	T7	5	176201940	176202184	176.20	3.00E-20	LOC340036
CL366958	RP44_363A13	SP6	5	176246608	176247093	176.25	4.00E-22	HK3
CL369660	RP44_292E11	SP6	5	176714244	176714323	176.71	1.00E-09	C5orf8
CL377589	RP44_457M5	T7	5	176714244	176714323	176.71	9.00E-20	C5orf8
CL334201	RP44_251E17	SP6	5	176831335	176831751	176.83	2.00E-27	DBN1
CL337362	RP44_264O12	SP6	5	177489350	177489529	177.49	4.00E-65	PROP1
CL337557	RP44_264J8	T7	5	177614772	177615088	177.61	e-113	N4BP3
CL365308	RP44_400P18	SP6	5	178112912	178113219	178.11	1.00E-73	CLK4
CL368869	RP44_289H10	T7	5	178114039	178114097	178.11	3.00E-07	CLK4
CL383398	RP44_326M20	T7	5	178295675	178296478	178.30	7.00E-21	LOC285673
CL388287	RP44_284L19	T7	5	178605782	178606164	178.61	8.00E-20	NA
CL348699	RP44_275I11	SP6	5	178633099	178633231	178.63	2.00E-20	ADAMTS2
CL357145	RP44_412J13	SP6	5	178877228	178877269	178.88	2.00E-09	LOC285677
CL382374	RP44_324A17	T7	5	179107698	179108403	179.11	4.00E-19	HNRPH1
CL344643	RP44_278N16	SP6	5	179110017	179110381	179.11	e-152	HNRPH1
CL369522	RP44_291C18	SP6	5	179156802	179156919	179.16	2.00E-11	NA
CL340500	RP44_257D3	SP6	6	572456	572558	0.57	2.00E-07	SEC5
CL386276	RP44_333O10	SP6	6	706219	706320	0.71	2.00E-23	NA
CL377855	RP44_457O16	SP6	6	1126642	1126693	1.13	1.00E-12	NA
CL368307	RP44_288J6	SP6	6	1127242	1127378	1.13	7.00E-17	NA
CL355961	RP44_410B17	SP6	6	1591098	1591212	1.59	3.00E-07	NA
CL377550	RP44_457E7	T7	6	1772112	1772188	1.77	5.00E-06	GMDS
CL363364	RP44_383J5	SP6	6	1810449	1810676	1.81	1.00E-74	GMDS
CL352125	RP44_313P10	SP6	6	1872269	1872327	1.87	4.00E-07	GMDS
CL358022	RP44_414I15	T7	6	2298941	2299157	2.30	2.00E-57	LOC285770
CL338974	RP44_268M13	T7	6	2562699	2562738	2.56	2.00E-06	LOC345971
CL360606	RP44_340D10	T7	6	5323191	5323256	5.32	1.00E-06	FARS1
CL347090	RP44_272C3	T7	6	6317020	6317073	6.32	7.00E-09	NA
CL345494	RP44_280I2	T7	6	6614471	6614515	6.61	5.00E-06	LY86
CL342349	RP44_262G23	SP6	6	6924418	6924454	6.92	5.00E-06	LOC345992
CL410873	RP44_420G5	T7	6	6924418	6924454	6.92	5.00E-06	LOC345992
CL355847	RP44_410M4	SP6	6	7173436	7173602	7.17	4.00E-33	RREB1
CL408980	RP44_416J5	SP6	6	7580356	7580603	7.58	2.00E-23	FLJ32234
CL363204	RP44_383E2	SP6	6	7642651	7642747	7.64	4.00E-37	NA
CL357058	RP44_412J5	T7	6	7713217	7713291	7.71	7.00E-07	NA
CL363777	RP44_389L5	T7	6	7713392	7713436	7.71	5.00E-06	NA
CL376695	RP44_445O3	SP6	6	7835318	7835528	7.84	2.00E-76	BMP6
CL351728	RP44_313A20	SP6	6	7843776	7844036	7.84	8.00E-36	BMP6
CL350657	RP44_311M21	SP6	6	7931378	7931427	7.93	5.00E-07	NA
CL328634	RP44_370B24	SP6	6	8013471	8013563	8.01	8.00E-24	NA
CL376624	RP44_445O3	T7	6	8093791	8093839	8.09	1.00E-06	NA
CL335737	RP44_254I13	T7	6	8143269	8143440	8.14	2.00E-41	NA
CL365194	RP44_400J7	SP6	6	8263511	8263777	8.26	9.00E-08	NA
CL326192	RP44_243A13	SP6	6	8564797	8564943	8.56	1.00E-12	LOC345996
CL372499	RP44_305J10	SP6	6	8655415	8655456	8.66	4.00E-09	NA
CL353734	RP44_403H17	SP6	6	8675357	8675443	8.68	1.00E-12	LOC345998
CL350663	RP44_311O17	SP6	6	8744909	8745219	8.75	4.00E-43	NA
CL337159	RP44_264E11	SP6	6	8864956	8865253	8.87	2.00E-60	NA
CL385059	RP44_330C11	SP6	6	8939214	8939545	8.94	2.00E-74	NA
CL384991	RP44_330C11	T7	6	9129248	9129818	9.13	e-109	LOC346001
CL338079	RP44_265D3	SP6	6	9407877	9408267	9.41	3.00E-76	NA
CL364253	RP44_396E2	T7	6	9433952	9433996	9.43	7.00E-06	NA
CL334696	RP44_252A17	T7	6	9481229	9481314	9.48	7.00E-21	NA
CL365122	RP44_400L9	T7	6	9481229	9481314	9.48	7.00E-21	NA
CL334916	RP44_252A10	SP6	6	9516240	9516621	9.52	8.00E-98	NA
CL328403	RP44_248H15	T7	6	9520754	9520933	9.52	6.00E-18	NA
CL333610	RP44_250E21	SP6	6	9662097	9662923	9.66	6.00E-49	LOC346095

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL412470	RP44_431O7	T7	6	9662097	9662923	9.66	7.00E-49	LOC346095
CL412547	RP44_431O7	SP6	6	9848308	9848607	9.85	e-117	LOC285807
CL345268	RP44_279N22	SP6	6	9904198	9904822	9.90	0	LOC285807
CL363609	RP44_388D4	SP6	6	9971454	9971648	9.97	2.00E-47	MRDS1
CL388724	RP44_285E12	T7	6	10060072	10060262	10.06	3.00E-26	MRDS1
CL355327	RP44_409H1	T7	6	10109749	10110092	10.11	2.00E-21	MRDS1
CL354199	RP44_405P14	T7	6	10359846	10360072	10.36	8.00E-53	LOC221720
CL340814	RP44_258F11	SP6	6	10365302	10365528	10.37	6.00E-91	LOC221720
CL352801	RP44_401N16	T7	6	10663984	10664119	10.66	7.00E-09	GCNT2
CL410643	RP44_419D5	SP6	6	10972914	10972972	10.97	2.00E-09	LOC221711
CL376672	RP44_445I13	SP6	6	11143265	32908627	22.03	3.00E-07	HLA-DMB
CL410572	RP44_419D5	T7	6	11196836	11196945	11.20	3.00E-16	LOC221710
CL332782	CH242_12I10	SP6	6	11677545	11677741	11.68	1.00E-19	LOC340184
CL328408	RP44_248J1	T7	6	11801083	11801490	11.80	2.00E-39	MGC12335
CL332971	CH242_12B10	SP6	6	11877456	11877905	11.88	2.00E-54	LOC221705
CL367024	RP44_364A9	T7	6	11939627	11940220	11.94	1.00E-56	LOC221703
CL344416	RP44_278P19	T7	6	11940444	11941028	11.94	1.00E-07	LOC221703
CL326990	RP44_244B4	SP6	6	11978908	11978965	11.98	2.00E-11	LOC221703
CL366335	RP44_358H12	T7	6	11978908	11978965	11.98	3.00E-11	LOC221703
CL327506	RP44_246G11	T7	6	12752456	12752879	12.75	4.00E-10	NA
CL360032	RP44_338F3	SP6	6	12877619	12877676	12.88	6.00E-09	KIAA1733
CL322926	RP44_437G2	T7	6	13002924	13003086	13.00	1.00E-34	KIAA1733
CL352460	RP44_401E4	T7	6	13013850	13013938	13.01	9.00E-16	KIAA1733
CL351972	RP44_313B22	T7	6	13697088	13697183	13.70	4.00E-16	RANBP9
CL379012	RP44_425M20	SP6	6	14349092	14349517	14.35	2.00E-89	NA
CL346519	RP44_270B2	SP6	6	14552026	14552075	14.55	1.00E-06	NA
CL343125	RP44_276I20	T7	6	14664596	14665101	14.66	5.00E-22	LOC346110
CL387085	RP44_280F4	SP6	6	14732283	14732632	14.73	8.00E-89	LOC346111
CL349733	RP44_309B20	T7	6	14733172	14733540	14.73	3.00E-08	LOC346111
CL356269	RP44_411O9	T7	6	14915897	14915969	14.92	2.00E-20	NA
CL349808	RP44_309B20	SP6	6	14920834	14920957	14.92	7.00E-12	LOC352107
CL345803	RP44_280F4	T7	6	14920834	14920957	14.92	7.00E-12	LOC352107
CL340365	RP44_257C14	SP6	6	15106836	15106976	15.11	2.00E-20	NA
CL340401	RP44_257K20	SP6	6	15106836	15106976	15.11	1.00E-20	NA
CL368265	RP44_288N12	T7	6	15317316	15317447	15.32	3.00E-34	JMJ
CL343716	RP44_277O13	SP6	6	15651451	15651781	15.65	2.00E-12	DTNBP1
CL332490	CH242_12C15	T7	6	15838472	15839204	15.84	3.00E-14	NA
CL380693	RP44_429F5	T7	6	15925969	15926163	15.93	1.00E-09	NA
CL382038	RP44_323O18	T7	6	16050383	16050798	16.05	6.00E-71	LOC346114
CL408532	RP44_415N23	T7	6	16116511	16116577	16.12	4.00E-07	NA
CL321843	CH242_15G23	T7	6	16443179	16443246	16.44	6.00E-08	SCA1
CL371845	RP44_304F17	SP6	6	16541307	16541493	16.54	5.00E-31	SCA1
CL377541	RP44_457C11	T7	6	16604175	16604225	16.60	3.00E-07	SCA1
CL332605	CH242_12K7	SP6	6	16809003	16809544	16.81	8.00E-18	SCA1
CL340692	RP44_257N18	SP6	6	16968868	16969036	16.97	3.00E-14	NA
CL382265	RP44_323L22	T7	6	17011668	17011736	17.01	7.00E-06	NA
CL382344	RP44_323L22	SP6	6	17231057	17231119	17.23	1.00E-07	NA
CL381882	RP44_323M21	T7	6	17231057	17231119	17.23	1.00E-07	NA
CL323874	RP44_459P15	SP6	6	17462251	17462582	17.46	3.00E-07	CAP2
CL409197	RP44_416J12	SP6	6	17894862	17894939	17.89	2.00E-11	KIF13A
CL382126	RP44_323B1	T7	6	18288813	18289015	18.29	2.00E-17	DEK
CL362060	RP44_353P13	T7	6	18642215	18642775	18.64	6.00E-31	LOC346121
CL412688	RP44_431I4	SP6	6	18647904	18648505	18.65	8.00E-36	LOC346121
CL388755	RP44_285K8	T7	6	18814433	18814661	18.81	3.00E-11	NA
CL355440	RP44_409N3	SP6	6	18969335	18969707	18.97	6.00E-55	LOC346122
CL372396	RP44_305F18	T7	6	19244042	19244429	19.24	4.00E-07	NA
CL326962	RP44_244J24	T7	6	19248505	19248562	19.25	2.00E-11	NA
CL385230	RP44_330I10	SP6	6	19773639	19774190	19.77	3.00E-26	LOC346131
CL341715	RP44_261E7	SP6	6	19904106	19904688	19.90	2.00E-37	NA
CL385153	RP44_330I10	T7	6	19989054	19989296	19.99	1.00E-06	NA
CL341640	RP44_261E7	T7	6	20114097	20114394	20.11	2.00E-67	NA
CL347342	RP44_272C22	SP6	6	20423048	20423111	20.42	1.00E-07	LOC346135
CL326983	RP44_244P12	T7	6	20523905	37922608	29.22	1.00E-06	E2F3
CL411580	RP44_422E8	SP6	6	20634164	20634433	20.63	9.00E-29	FLJ20342
CL341629	RP44_261C3	T7	6	20640433	20640718	20.64	5.00E-93	FLJ20342

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL410800	RP44_419F18	SP6	6	20641257	20641322	20.64	9.00E-12	FLJ20342
CL337313	RP44_264E10	SP6	6	20660579	20660919	20.66	3.00E-35	FLJ20342
CL374792	RP44_470L1	SP6	6	20687780	20687842	20.69	4.00E-07	FLJ20342
CL333204	RP44_249E11	SP6	6	20814418	20814550	20.81	5.00E-42	FLJ20342
CL372148	RP44_305A11	SP6	6	20837533	20837868	20.84	4.00E-89	FLJ20342
CL372293	RP44_305B11	SP6	6	20837533	20838066	20.84	1.00E-90	FLJ20342
CL337241	RP44_264E10	T7	6	20855623	20855671	20.86	6.00E-06	FLJ20342
CL334298	RP44_251K2	T7	6	21045763	21046006	21.05	1.00E-16	FLJ20342
CL357744	RP44_413D3	SP6	6	21270804	21271297	21.27	e-152	FLJ20342
CL339993	RP44_256F6	T7	6	21600576	21600824	21.60	3.00E-50	LOC352110
CL413875	RP44_435O2	T7	6	21826687	21827277	21.83	2.00E-33	NA
CL340067	RP44_256F6	SP6	6	21834779	21835222	21.84	4.00E-19	NA
CL349602	RP44_309F17	T7	6	21835458	21835612	21.84	2.00E-45	NA
CL365214	RP44_400L23	SP6	6	21854403	21854469	21.85	4.00E-06	NA
CL388784	RP44_285A16	SP6	6	21988880	21988954	21.99	3.00E-07	NA
CL365129	RP44_400L23	T7	6	22059298	22059429	22.06	6.00E-09	NA
CL380329	RP44_429A13	T7	6	22059298	22059429	22.06	5.00E-09	NA
CL383429	RP44_326E6	SP6	6	22314298	22314377	22.31	4.00E-22	NA
CL324341	RP44_474O4	SP6	6	22314298	22314423	22.31	2.00E-30	NA
CL327878	RP44_246J21	SP6	6	22367584	22368007	22.37	5.00E-21	NA
CL383353	RP44_326E6	T7	6	22529077	22529264	22.53	7.00E-15	NA
CL408571	RP44_415F15	SP6	6	22529428	22529763	22.53	4.00E-38	NA
CL339210	RP44_268F15	T7	6	22580857	22580925	22.58	9.00E-11	LOC352111
CL339225	RP44_268J1	T7	6	22580857	22580925	22.58	1.00E-10	LOC352111
CL327808	RP44_246J21	T7	6	22605082	22605122	22.61	2.00E-08	LOC352111
CL367780	RP44_372J21	T7	6	23308509	23308977	23.31	2.00E-49	NA
CL389643	RP44_287G13	T7	6	23330795	23331242	23.33	e-139	NA
CL328702	RP44_370J22	SP6	6	23340052	23340567	23.34	7.00E-49	NA
CL363986	RP44_393O14	T7	6	23381130	23381209	23.38	1.00E-12	NA
CL368652	RP44_289M4	SP6	6	23401315	23401425	23.40	1.00E-10	LOC346141
CL367842	RP44_372J21	SP6	6	23451859	23452216	23.45	3.00E-47	LOC346141
CL377584	RP44_457K19	T7	6	23624456	23625011	23.62	1.00E-65	NA
CL388920	RP44_285P12	T7	6	23673383	23673558	23.67	3.00E-40	NA
CL409184	RP44_416F20	SP6	6	23740988	23741479	23.74	2.00E-21	LOC352114
CL322647	RP44_416E20	SP6	6	23741032	23741479	23.74	3.00E-25	LOC352114
CL370678	RP44_296A3	SP6	6	23741361	23741641	23.74	4.00E-16	LOC352114
CL362271	RP44_375P14	T7	6	23741361	23741641	23.74	4.00E-16	LOC352114
CL350020	RP44_310M11	SP6	6	24190219	24190419	24.19	2.00E-46	VMP
CL384495	RP44_329E23	SP6	6	24235356	24235435	24.24	4.00E-10	RU2
CL357226	RP44_412J20	T7	6	24236531	24236599	24.24	6.00E-06	RU2
CL363800	RP44_392A20	T7	6	24319428	24319530	24.32	5.00E-19	RU2
CL412999	RP44_431F14	SP6	6	24420219	24420547	24.42	e-117	RU2
CL412903	RP44_431F14	T7	6	24627025	24627115	24.63	6.00E-12	KIAA0319
CL372590	RP44_306L3	T7	6	24706326	24706456	24.71	2.00E-21	KIAA0319
CL354449	RP44_407A16	T7	6	24903484	24903859	24.90	3.00E-41	C6orf32
CL372676	RP44_306L3	SP6	6	24947210	24947263	24.95	7.00E-12	C6orf32
CL387399	RP44_281E4	SP6	6	25077709	25078185	25.08	e-124	NA
CL323783	RP44_459H7	T7	6	25254894	25254987	25.25	1.00E-06	CMAH
CL355041	RP44_409G23	T7	6	25675091	25675246	25.68	3.00E-50	FLJ20048
CL408649	RP44_415F8	T7	6	25675091	25675246	25.68	1.00E-55	FLJ20048
CL371599	RP44_304C24	T7	6	25736123	25736231	25.74	1.00E-10	SCGN
CL350805	RP44_311M22	SP6	6	25966915	25966986	25.97	4.00E-10	NA
CL339821	RP44_256O13	SP6	6	26215597	26215654	26.22	1.00E-06	NA
CL348348	RP44_274P13	T7	6	26256328	26256422	26.26	3.00E-14	NA
CL357667	RP44_413D9	T7	6	27367994	27368034	27.37	2.00E-08	NA
CL357746	RP44_413D9	SP6	6	27623431	27623489	27.62	3.00E-07	LOC352119
CL354755	RP44_408M4	T7	6	27893405	27893466	27.89	1.00E-06	NA
CL328742	RP44_370P2	T7	6	27999607	27999657	28.00	6.00E-08	NA
CL354821	RP44_408M4	SP6	6	28075671	28075699	28.08	4.00E-06	NA
CL413528	RP44_433O8	SP6	6	28092507	28092627	28.09	1.00E-13	NA
CL372535	RP44_305P24	SP6	6	28297040	28297252	28.30	1.00E-06	NA
CL380596	RP44_429C6	SP6	6	28465721	28465952	28.47	1.00E-10	LOC222696
CL368155	RP44_288F19	SP6	6	32725554	32725655	32.73	4.00E-07	LOC222674
CL339051	RP44_268A12	T7	6	33420273	33420314	33.42	1.00E-11	NA
CL384678	RP44_329K24	SP6	6	33972214	33972374	33.97	4.00E-56	LOC346181

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CL384602	RP44_329K24	T7	6	34205018	34205579	34.21	2.00E-33	NA
CL357610	RP44_413G22	SP6	6	34380892	34380949	34.38	4.00E-07	NA
CL381926	RP44_323G21	SP6	6	34556492	34556677	34.56	2.00E-33	FLJ22195
CL384198	RP44_328N1	SP6	6	34592897	34593029	34.59	1.00E-22	MGC4614
CL328935	RP44_382D3	T7	6	34930270	34930535	34.93	1.00E-13	KIAA0229
CL342221	RP44_261N16	SP6	6	35167023	35167105	35.17	1.00E-10	NA
CL355509	RP44_409N12	T7	6	35589052	35589324	35.59	2.00E-70	FKBP5
CL375611	RP44_471N14	SP6	6	35608373	35608405	35.61	5.00E-06	FKBP5
CL353697	RP44_403P1	T7	6	35802719	35803298	35.80	2.00E-36	SRPK1
CL353765	RP44_403P1	SP6	6	36027697	36027799	36.03	1.00E-15	MAPK14
CL385032	RP44_330M5	T7	6	36045590	36045994	36.05	8.00E-76	MAPK14
CL348763	RP44_275E18	T7	6	36279488	36279554	36.28	4.00E-07	NA
CL362480	RP44_377K24	SP6	6	36317967	36318031	36.32	1.00E-10	NA
CL327947	RP44_246J16	T7	6	36568756	36569288	36.57	0	SFRS3
CL439946	RP44_299A20	SP6	6	36755571	36755834	36.76	4.00E-22	NA
CL328028	RP44_246J16	SP6	6	36773145	36773228	36.77	6.00E-15	NA
CL381817	RP44_316O2	SP6	6	37063192	37063360	37.06	2.00E-08	NA
CL390323	RP44_288C8	SP6	6	37108568	37108664	37.11	6.00E-14	NA
CL410704	RP44_419P9	SP6	6	37248449	37248605	37.25	2.00E-49	NA
CL390252	RP44_288C8	T7	6	37310950	37311001	37.31	2.00E-17	NA
CL358600	RP44_415C17	T7	6	37416320	37416411	37.42	7.00E-08	NA
CL410632	RP44_419P9	T7	6	37440205	37440267	37.44	2.00E-21	NA
CL335507	RP44_253F7	SP6	6	37462726	37462857	37.46	2.00E-29	NA
CL347448	RP44_272H23	T7	6	37640797	37640831	37.64	1.00E-07	NA
CL363849	RP44_392O18	T7	6	37695081	37695150	37.70	1.00E-06	NA
CL375543	RP44_471P6	T7	6	37822747	37822821	37.82	8.00E-17	NA
CL372227	RP44_305F5	T7	6	37822747	37822975	37.82	1.00E-16	NA
CL413042	RP44_431P4	SP6	6	37887692	37888081	37.89	6.00E-06	NA
CL359949	RP44_338F9	T7	6	37998086	37998173	38.00	2.00E-24	NA
CL360034	RP44_338F9	SP6	6	38219578	38219610	38.22	5.00E-06	NA
CL346103	RP44_269L15	SP6	6	38312967	38313073	38.31	9.00E-10	NA
CL345685	RP44_280P5	T7	6	38336711	38337173	38.34	2.00E-09	NA
CL345773	RP44_280P5	SP6	6	38538574	38538955	38.54	3.00E-17	NA
CL366306	RP44_358B10	T7	6	38708667	38708711	38.71	2.00E-08	NA
CL380306	RP44_428N10	SP6	6	38725182	38725539	38.73	1.00E-37	NA
CL357485	RP44_413O17	SP6	6	38725185	38725320	38.73	4.00E-38	NA
CL387684	RP44_282M15	T7	6	38755439	38755553	38.76	3.00E-22	NA
CL330486	CH242_3P24	SP6	6	39216752	39216953	39.22	7.00E-12	NA
CL352545	RP44_401K6	SP6	6	39625225	39625362	39.63	5.00E-26	NA
CL355887	RP44_410D19	T7	6	39645410	39645490	39.65	1.00E-06	NA
CL348929	RP44_275D11	T7	6	39667663	39668185	39.67	2.00E-52	NA
CL411469	RP44_421P2	SP6	6	39739733	39739923	39.74	1.00E-09	NA
CL349012	RP44_275D11	SP6	6	39834165	39834267	39.83	1.00E-40	NA
CL383879	RP44_327I4	SP6	6	41617292	41617342	41.62	1.00E-09	NA
CL345534	RP44_280O22	T7	6	41746025	41746168	41.75	6.00E-51	NA
CL413227	RP44_432F22	T7	6	42629202	42629375	42.63	4.00E-10	NA
CL343542	RP44_276L16	SP6	6	42673547	42673766	42.67	2.00E-79	NA
CL345931	RP44_269A14	SP6	6	42834390	42834874	42.83	4.00E-93	NA
CL380861	RP44_314M22	SP6	6	42917565	42917676	42.92	2.00E-09	NA
CL382634	RP44_324F19	SP6	6	43065620	43066051	43.07	5.00E-46	NA
CL412930	RP44_431H22	T7	6	43150320	43150673	43.15	1.00E-56	NA
CL358605	RP44_415E7	T7	6	43709697	43709930	43.71	3.00E-16	NA
CL371866	RP44_304J19	SP6	6	43915330	43915505	43.92	2.00E-08	NA
CL371780	RP44_304J19	T7	6	44066553	44066595	44.07	2.00E-07	NA
CL381254	RP44_315L9	T7	6	44066989	44067162	44.07	2.00E-14	NA
CL327367	RP44_245J5	T7	6	44596207	44596264	44.60	9.00E-07	NA
CL352156	RP44_314E19	T7	6	44596207	44596264	44.60	1.00E-06	NA
CL326428	RP44_243F17	SP6	6	44704959	44705175	44.71	4.00E-13	NA
CL326456	RP44_243L9	SP6	6	44704979	44705022	44.71	4.00E-08	NA
CL367548	RP44_367D17	SP6	6	44796029	44796105	44.80	3.00E-08	NA
CL331895	CH242_9E15	SP6	6	44864890	44865013	44.86	2.00E-12	NA
CL335697	RP44_253P18	SP6	6	44893850	44894126	44.89	7.00E-30	NA
CL325194	RP44_479F17	SP6	6	44931446	44931703	44.93	6.00E-79	NA
CL326320	RP44_243M4	T7	6	45302185	45302260	45.30	3.00E-07	NA
CL382434	RP44_324M15	T7	6	45330640	45331370	45.33	2.00E-39	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL330948	CH242_6C3	SP6	6	45333698	45334024	45.33	7.00E-12	NA
CL336358	RP44_262L18	SP6	6	45799844	45800074	45.80	3.00E-38	NA
CL343497	RP44_276D10	SP6	6	46115606	46115725	46.12	2.00E-30	NA
CL325511	RP44_241J7	SP6	6	46251822	46251933	46.25	5.00E-06	NA
CL370760	RP44_300C9	SP6	6	46452660	46453082	46.45	1.00E-10	NA
CL329601	RP44_394L7	T7	6	46623051	46623096	46.62	8.00E-07	NA
CL329602	RP44_394L7	SP6	6	46756834	46756916	46.76	2.00E-14	NA
CL382291	RP44_323B18	SP6	6	46841007	46841155	46.84	2.00E-17	NA
CL382210	RP44_323B18	T7	6	47002177	47002239	47.00	2.00E-07	NA
CL380873	RP44_314B7	T7	6	47304002	47304032	47.30	3.00E-07	NA
CL381097	RP44_314N16	T7	6	47536464	47536528	47.54	5.00E-06	NA
CL365465	RP44_353D4	SP6	6	47754131	47754740	47.75	1.00E-59	NA
CL355114	RP44_409I15	SP6	6	47836116	47836263	47.84	7.00E-27	NA
CL413725	RP44_435I9	T7	6	47843392	47843759	47.84	e-103	NA
CL387696	RP44_282O21	T7	6	48019195	48019513	48.02	4.00E-56	NA
CL356149	RP44_410F20	SP6	6	49080050	49080205	49.08	4.00E-32	NA
CL373912	RP44_469A18	SP6	6	49100927	49101539	49.10	5.00E-09	NA
CL328316	RP44_248E14	SP6	6	49298327	49298398	49.30	3.00E-08	NA
CL345324	RP44_280I7	T7	6	49400668	49400904	49.40	4.00E-16	NA
CL322668	RP44_416G22	SP6	6	49417795	49418039	49.42	5.00E-65	NA
CL324458	RP44_474N12	SP6	6	49427072	49427300	49.43	8.00E-54	NA
CL324457	RP44_474N12	T7	6	49669766	49821137	49.75	2.00E-23	NA
CL361360	RP44_350G19	SP6	6	49675537	49675593	49.68	7.00E-11	NA
CL361286	RP44_350G19	T7	6	49675537	49675593	49.68	8.00E-11	NA
CL356768	RP44_412K11	T7	6	51035527	51035737	51.04	9.00E-14	NA
CL378188	RP44_423M4	SP6	6	51192036	51192072	51.19	2.00E-08	NA
CL376492	RP44_444H16	T7	6	51322609	51322848	51.32	5.00E-18	NA
CL352901	RP44_402A23	T7	6	51792659	51792821	51.79	2.00E-55	NA
CL344085	RP44_278O11	T7	6	51792659	51792929	51.79	6.00E-77	NA
CL366393	RP44_358F8	SP6	6	51815739	51816037	51.82	e-124	NA
CL366324	RP44_358F8	T7	6	51971817	51972043	51.97	3.00E-11	NA
CL321766	CH242_13J19	T7	6	52605680	52806174	52.71	8.00E-27	NA
CL320855	CH242_13J19	SP6	6	52946705	52946811	52.95	1.00E-26	NA
CL356784	RP44_412O1	T7	6	53173688	53173837	53.17	2.00E-09	NA
CL389283	RP44_286K12	SP6	6	53364264	53364351	53.36	1.00E-06	NA
CL348539	RP44_274H16	SP6	6	53701480	53701592	53.70	8.00E-08	NA
CL408418	RP44_415E22	SP6	6	53708886	53709068	53.71	5.00E-09	NA
CL408737	RP44_415F22	SP6	6	53708886	53709068	53.71	7.00E-09	NA
CL348290	RP44_274F9	T7	6	53709027	53709068	53.71	1.00E-06	NA
CL369536	RP44_291G22	SP6	6	53884962	53885142	53.89	2.00E-80	NA
CL412132	RP44_430L7	SP6	6	53922991	53923060	53.92	6.00E-09	NA
CL340468	RP44_257J21	T7	6	54219809	54219855	54.22	3.00E-07	NA
CL374924	RP44_470F8	SP6	6	54220688	54220885	54.22	7.00E-61	NA
CL324740	RP44_477P7	SP6	6	54792531	54792626	54.79	1.00E-36	NA
CL341896	RP44_261G10	SP6	6	54937520	54937586	54.94	3.00E-07	NA
CL342597	RP44_262H19	T7	6	55046580	55046732	55.05	3.00E-29	NA
CL357256	RP44_412B4	SP6	6	55152497	55152811	55.15	1.00E-83	NA
CL343154	RP44_276O14	T7	6	55246796	55246922	55.25	1.00E-07	NA
CL343308	RP44_276N17	T7	6	55246796	55246966	55.25	1.00E-09	NA
CL408875	RP44_416C5	SP6	6	55377626	55377680	55.38	4.00E-07	NA
CL371421	RP44_302L15	SP6	6	55502644	55503071	55.50	1.00E-50	NA
CL324027	RP44_463F19	T7	6	55688921	55689398	55.69	4.00E-56	NA
CL388585	RP44_285G23	T7	6	55749473	55749602	55.75	3.00E-23	NA
CL387703	RP44_282A13	SP6	6	55811084	55811177	55.81	5.00E-09	NA
CL353507	RP44_403O17	SP6	6	56036828	56037204	56.04	2.00E-80	NA
CL379805	RP44_428O15	SP6	6	56093237	56093408	56.09	9.00E-27	NA
CL380131	RP44_428N15	SP6	6	56093265	56093408	56.09	5.00E-11	NA
CL343226	RP44_276M12	SP6	6	56225961	56226010	56.23	2.00E-06	NA
CL322796	RP44_437E17	SP6	6	56348875	56349049	56.35	3.00E-19	NA
CL389099	RP44_286G7	SP6	6	56356299	56356387	56.36	2.00E-20	NA
CL364089	RP44_396E17	T7	6	56687238	56687411	56.69	8.00E-42	NA
CL371320	RP44_302H17	T7	6	56707222	56707547	56.71	2.00E-66	NA
CL364176	RP44_396E17	SP6	6	56893804	56893938	56.89	5.00E-12	NA
CL371402	RP44_302H17	SP6	6	56972307	56972494	56.97	4.00E-06	NA
CL343562	RP44_276P20	SP6	6	57091698	57091838	57.09	2.00E-15	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL362756	RP44_380J19	SP6	6	57251287	57251344	57.25	2.00E-06	NA
CL386000	RP44_332B16	T7	6	57349407	57349520	57.35	5.00E-31	NA
CL369198	RP44_290G8	T7	6	63665505	63665829	63.67	1.00E-16	NA
CL328135	RP44_248A1	SP6	6	63873038	63873078	63.87	4.00E-06	LOC135521
CL384391	RP44_329A19	T7	6	64269525	64269643	64.27	4.00E-09	NA
CL413136	RP44_432A15	SP6	6	64567695	64567917	64.57	3.00E-11	LOC346004
CL439950	RP44_299C10	SP6	6	64814089	64814156	64.81	9.00E-08	NA
CL387903	RP44_283K1	SP6	6	64869526	64869664	64.87	2.00E-24	NA
CL328940	RP44_382D9	SP6	6	64891537	64891743	64.89	8.00E-18	NA
CL347050	RP44_271L6	SP6	6	65153185	65153471	65.15	4.00E-65	LOC346005
CL356331	RP44_411O3	SP6	6	65329182	65329246	65.33	4.00E-06	NA
CL346969	RP44_271L6	T7	6	65329182	65329246	65.33	6.00E-06	NA
CL387042	RP44_335M12	T7	6	65428651	65428795	65.43	2.00E-11	LOC346006
CL410132	RP44_418J1	T7	6	65527832	65528083	65.53	4.00E-28	LOC346006
CL367941	RP44_374F1	SP6	6	65655844	65656161	65.66	9.00E-08	LOC346006
CL323164	RP44_457L7	SP6	6	65727287	65727345	65.73	4.00E-07	NA
CL361411	RP44_350D4	T7	6	65727287	65727345	65.73	4.00E-07	NA
CL358725	RP44_415K21	SP6	6	66156971	66157051	66.16	8.00E-11	NA
CL338868	RP44_267C4	SP6	6	66222759	66223012	66.22	8.00E-69	NA
CL370855	RP44_300H5	T7	6	66879147	66879300	66.88	4.00E-07	NA
CL331139	CH242_6J17	SP6	6	67193983	67194347	67.19	5.00E-19	NA
CL366107	RP44_358E14	SP6	6	67408973	67409254	67.41	6.00E-09	LOC352055
CL349858	RP44_309L24	SP6	6	67653710	67653916	67.65	5.00E-16	LOC352055
CL361212	RP44_344H24	SP6	6	67852093	67852252	67.85	3.00E-23	LOC352056
CL324439	RP44_474L10	T7	6	67852093	67852252	67.85	1.00E-23	LOC352056
CL368901	RP44_289N10	T7	6	68761283	68761352	68.76	1.00E-06	LOC202527
CL342422	RP44_262E16	T7	6	68839549	68839637	68.84	2.00E-08	LOC346008
CL366057	RP44_358G16	T7	6	68839549	68839637	68.84	2.00E-08	LOC346008
CL328974	RP44_382H1	SP6	6	68897916	68898014	68.90	8.00E-36	LOC346008
CL335919	RP44_254B8	SP6	6	69317690	69317815	69.32	2.00E-18	BAI3
CL335845	RP44_254B8	T7	6	69483486	69483741	69.48	3.00E-08	BAI3
CL388385	RP44_284P3	SP6	6	69483665	69483741	69.48	2.00E-08	BAI3
CL339484	RP44_268N6	SP6	6	69537301	69537364	69.54	6.00E-15	BAI3
CL365237	RP44_400B4	SP6	6	69627043	69627176	69.63	8.00E-14	BAI3
CL439770	RP44_297N13	SP6	6	69627043	69627176	69.63	8.00E-14	BAI3
CL388301	RP44_284P3	T7	6	69635112	69635591	69.64	e-105	BAI3
CL356542	RP44_411F9	SP6	6	69635718	69636025	69.64	1.00E-36	BAI3
CL333964	RP44_250F18	T7	6	69635721	69636061	69.64	2.00E-33	BAI3
CL414230	RP44_436O10	T7	6	69654582	69654817	69.65	8.00E-36	BAI3
CL372644	RP44_306F1	SP6	6	69729952	69730026	69.73	6.00E-12	BAI3
CL381283	RP44_315B3	SP6	6	69760711	69760784	69.76	2.00E-11	BAI3
CL320961	CH242_15M9	SP6	6	70193698	70193780	70.19	7.00E-12	NA
CL353762	RP44_403N19	SP6	6	70499422	70500018	70.50	2.00E-12	NA
CL370256	RP44_295G7	T7	6	70499941	70500209	70.50	9.00E-34	NA
CL374859	RP44_470H10	T7	6	70565850	70565939	70.57	1.00E-07	COL19A1
CL337849	RP44_265E12	T7	6	70622870	70623289	70.62	4.00E-13	COL19A1
CL353694	RP44_403N19	T7	6	70654491	70654692	70.65	1.00E-35	COL19A1
CL321774	CH242_13L19	T7	6	70655293	70655523	70.66	2.00E-21	COL19A1
CL347976	RP44_273D4	T7	6	70728294	70728374	70.73	6.00E-09	COL19A1
CL331218	CH242_7I14	T7	6	70804966	70805075	70.81	4.00E-35	COL19A1
CL320865	CH242_13L19	SP6	6	70822766	70823260	70.82	e-104	COL19A1
CL348053	RP44_273D4	SP6	6	70869670	70870040	70.87	1.00E-09	COL19A1
CL333910	RP44_250J11	SP6	6	70869842	70870121	70.87	3.00E-13	COL19A1
CL368394	RP44_289I19	T7	6	70915185	70915294	70.92	1.00E-25	COL9A1
CL385335	RP44_330B15	SP6	6	71045261	71045312	71.05	1.00E-07	NA
CL368480	RP44_289I19	SP6	6	71135886	71136144	71.14	2.00E-18	KIAA1411
CL368879	RP44_289J8	T7	6	71366973	71367045	71.37	6.00E-06	SMAP1
CL375240	RP44_471A18	SP6	6	71495251	71495288	71.50	4.00E-09	SMAP1
CL377139	RP44_449A16	SP6	6	71504713	71505180	71.50	1.00E-86	SMAP1
CL330199	CH242_3J13	T7	6	71766403	71766718	71.77	3.00E-17	LOC340165
CL334977	RP44_252O16	SP6	6	71852771	71852800	71.85	1.00E-06	NA
CL370004	RP44_293G8	T7	6	72028123	72028179	72.03	2.00E-08	FLJ13189
CL334545	RP44_251N19	SP6	6	72173065	72173436	72.17	8.00E-55	NA
CL324051	RP44_463L5	T7	6	72269473	72269635	72.27	1.00E-12	NA
CL323927	RP44_463M5	T7	6	72269473	72269635	72.27	1.00E-12	NA

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CL408841	RP44_416K9	T7	6	72345602	72345839	72.35	9.00E-45	NA
CL358988	RP44_335N1	T7	6	72393929	72394102	72.39	2.00E-42	NA
CL388519	RP44_284L8	SP6	6	72654046	72654199	72.65	3.00E-21	RIMS1
CL388447	RP44_284L8	T7	6	72910708	72910913	72.91	2.00E-70	RIMS1
CL364538	RP44_396H8	T7	6	72911058	72911356	72.91	5.00E-58	RIMS1
CL338046	RP44_265L17	T7	6	72975070	72975348	72.98	3.00E-11	RIMS1
CL374001	RP44_469D15	T7	6	73004629	73004742	73.00	9.00E-17	RIMS1
CL364597	RP44_396H8	SP6	6	73084977	73085034	73.09	3.00E-09	NA
CL334697	RP44_252A21	T7	6	73158589	73159005	73.16	3.00E-10	NA
CL363281	RP44_383F13	T7	6	73338449	73338720	73.34	2.00E-23	KCNQ5
CL334778	RP44_252A21	SP6	6	73351055	73351449	73.35	4.00E-65	KCNQ5
CL328215	RP44_248A18	T7	6	73402969	73403063	73.40	6.00E-12	KCNQ5
CL383448	RP44_326I12	SP6	6	73402969	73403308	73.40	3.00E-17	KCNQ5
CL384701	RP44_329B7	T7	6	73510342	73510565	73.51	4.00E-41	KCNQ5
CL384721	RP44_329F5	T7	6	73510342	73510565	73.51	4.00E-41	KCNQ5
CL325859	RP44_242C4	SP6	6	73548209	73548272	73.55	3.00E-10	KCNQ5
CL328298	RP44_248A18	SP6	6	73610127	73610253	73.61	8.00E-36	KCNQ5
CL320778	CH242_13M17	SP6	6	73701689	73701959	73.70	2.00E-71	KCNQ5
CL346910	RP44_271P11	SP6	6	74463003	74463192	74.46	2.00E-27	CD109
CL360326	RP44_339K21	SP6	6	74463003	74463241	74.46	3.00E-38	CD109
CL356848	RP44_412K21	SP6	6	74630193	74630414	74.63	1.00E-37	NA
CL331376	CH242_7H23	T7	6	74873170	74873378	74.87	5.00E-25	NA
CL361375	RP44_350K11	SP6	6	74986227	74986318	74.99	6.00E-15	LOC352060
CL361299	RP44_350K11	T7	6	74986227	74986318	74.99	7.00E-15	LOC352060
CL411799	RP44_430K3	T7	6	75017333	75017562	75.02	1.00E-37	LOC352060
CL336635	RP44_263M6	T7	6	75021125	75021412	75.02	2.00E-08	LOC352060
CL373192	RP44_308C12	T7	6	75026059	75026508	75.03	1.00E-31	LOC352060
CL411882	RP44_430K3	SP6	6	75291313	75291478	75.29	4.00E-07	NA
CL370200	RP44_294J15	SP6	6	75414348	75414458	75.41	2.00E-15	LOC346018
CL343396	RP44_276P7	SP6	6	75777140	75777718	75.78	8.00E-55	COL12A1
CL365544	RP44_354A17	T7	6	75859324	75859367	75.86	8.00E-08	COL12A1
CL337722	RP44_265K13	T7	6	75862722	75862957	75.86	2.00E-19	COL12A1
CL335721	RP44_254C23	T7	6	76096920	76097268	76.10	2.00E-24	KIAA1275
CL387808	RP44_283G9	T7	6	76950033	76950170	76.95	2.00E-12	NA
CL357658	RP44_413B11	T7	6	77014638	77014697	77.01	1.00E-06	LOC352062
CL385944	RP44_332F5	SP6	6	77273665	77273713	77.27	2.00E-08	NA
CL374647	RP44_470O10	SP6	6	77750397	77750513	77.75	1.00E-06	LOC346020
CL359209	RP44_335J8	SP6	6	78109468	78109528	78.11	2.00E-08	NA
CL390104	RP44_288G7	T7	6	78316042	78316116	78.32	2.00E-14	NA
CL413470	RP44_433C20	SP6	6	78756141	78756400	78.76	3.00E-08	LOC352064
CL412900	RP44_431F8	T7	6	79199780	79200042	79.20	4.00E-16	NA
CL357492	RP44_413A12	T7	6	79273168	79273410	79.27	4.00E-07	NA
CL357576	RP44_413A12	SP6	6	79471198	79471267	79.47	4.00E-07	NA
CL347057	RP44_271L20	SP6	6	79471226	79471267	79.47	1.00E-06	NA
CL350635	RP44_311I9	SP6	6	79603241	79603301	79.60	1.00E-08	PHIP
CL386233	RP44_333E20	SP6	6	79850435	79850794	79.85	1.00E-25	NA
CL322864	RP44_437M15	SP6	6	80277437	80277527	80.28	6.00E-12	LOC352066
CL362225	RP44_375F22	T7	6	80336899	80337051	80.34	2.00E-14	SH3BGRL2
CL386613	RP44_334L11	T7	6	80473158	80473602	80.47	9.00E-51	LOC346023
CL386681	RP44_334L11	SP6	6	80579243	80579338	80.58	9.00E-17	ELOVL4
CL367857	RP44_372N9	SP6	6	80694957	80696418	80.70	1.00E-06	TTK
CL352521	RP44_401E2	SP6	6	80862968	80863054	80.86	8.00E-09	BCKDHB
CL356271	RP44_411O13	T7	6	81376266	81376698	81.38	8.00E-33	NA
CL356318	RP44_411K13	SP6	6	81427745	81428076	81.43	9.00E-69	NA
CL334310	RP44_251M8	T7	6	81479284	81479345	81.48	5.00E-09	NA
CL411334	RP44_420L6	T7	6	81735455	81735512	81.74	9.00E-07	LOC340172
CL389226	RP44_286O24	T7	6	82022571	82022632	82.02	3.00E-07	NA
CL372808	RP44_306D20	SP6	6	82066433	82066674	82.07	6.00E-43	NA
CL372726	RP44_306D20	T7	6	82232128	82232371	82.23	6.00E-71	LOC346025
CL338031	RP44_265J9	T7	6	82475682	82476152	82.48	e-148	LOC346027
CL333299	RP44_249K24	T7	6	82773187	82773391	82.77	1.00E-51	NA
CL412797	RP44_431N17	T7	6	82807218	82807314	82.81	2.00E-20	NA
CL337374	RP44_264B13	T7	6	83171764	83172120	83.17	6.00E-18	LOC346030
CL337391	RP44_264F15	T7	6	83171764	83172120	83.17	6.00E-18	LOC346030
CL367354	RP44_367M14	T7	6	83233115	83233740	83.23	e-152	LOC346030

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CL363940	RP44_393E14	T7	6	83543411	83543512	83.54	2.00E-09	NA
CL409798	RP44_418A11	SP6	6	83543421	83543512	83.54	2.00E-08	NA
CL349669	RP44_309F3	SP6	6	83861544	83861585	83.86	2.00E-06	NA
CL389489	RP44_286H6	T7	6	83861544	83861585	83.86	1.00E-06	NA
CL352017	RP44_313J22	T7	6	83886104	83886431	83.89	6.00E-12	ME1
CL351232	RP44_312A5	SP6	6	83906773	83907037	83.91	1.00E-09	ME1
CL359555	RP44_337I17	T7	6	83906773	83907037	83.91	1.00E-09	ME1
CL378355	RP44_424C22	T7	6	83927020	83927534	83.93	4.00E-10	ME1
CL379341	RP44_426H19	T7	6	84031469	84031640	84.03	7.00E-18	ME1
CL348558	RP44_274L10	SP6	6	84172833	84173415	84.17	2.00E-11	MGC46520
CL360797	RP44_341B22	SP6	6	84172844	84173415	84.17	2.00E-12	MGC46520
CL348481	RP44_274L10	T7	6	84373579	84374735	84.37	8.00E-21	NA
CL382613	RP44_324B7	SP6	6	84378985	84379088	84.38	1.00E-09	NA
CL408865	RP44_416O13	T7	6	84524059	84524219	84.52	3.00E-32	b5+b5R
CL350786	RP44_311I22	SP6	6	84887785	84887838	84.89	2.00E-06	NA
CL389055	RP44_286M21	T7	6	85181860	85182049	85.18	5.00E-26	LOC346034
CL359931	RP44_338B13	T7	6	85358531	85358670	85.36	6.00E-09	TBX18
CL389138	RP44_286M21	SP6	6	85407769	85408322	85.41	3.00E-73	TBX18
CL328764	RP44_373B4	T7	6	85458292	85458452	85.46	1.00E-16	LOC346035
CL328765	RP44_373B4	SP6	6	85676396	85676850	85.68	e-102	LOC340173
CL366245	RP44_358D15	SP6	6	85718558	85718963	85.72	2.00E-46	LOC340173
CL366174	RP44_358D15	T7	6	85900574	85900965	85.90	4.00E-56	NA
CL366043	RP44_358E6	T7	6	86268054	86268116	86.27	8.00E-10	NA
CL320381	CH242_6H14	SP6	6	86343098	86343179	86.34	6.00E-07	LOC346039
CL332354	CH242_10J19	T7	6	86679751	86680148	86.68	3.00E-08	NA
CL360563	RP44_339H21	SP6	6	86691516	86691548	86.69	5.00E-06	NA
CL333002	CH242_12H8	SP6	6	86767343	86768248	86.77	2.00E-24	NA
CL321035	CH242_15E12	SP6	6	87484268	87484436	87.48	2.00E-39	NA
CL354034	RP44_405O3	SP6	6	87595499	87595671	87.60	1.00E-17	NA
CL348295	RP44_274F19	T7	6	87680053	87680132	87.68	3.00E-11	NA
CL321034	CH242_15E12	T7	6	87699339	87699411	87.70	5.00E-06	NA
CL353959	RP44_405O3	T7	6	87811033	87811076	87.81	2.00E-10	LOC346041
CL408957	RP44_416F3	SP6	6	87811033	87811165	87.81	4.00E-13	LOC346041
CL338571	RP44_266E6	SP6	6	87919649	87920089	87.92	e-139	ZNF292
CL376014	RP44_441P22	T7	6	87919678	87920171	87.92	e-154	ZNF292
CL383280	RP44_325H10	SP6	6	88180029	88180220	88.18	1.00E-25	MGC14993
CL389301	RP44_286O18	SP6	6	88268559	88268817	88.27	2.00E-33	ORC3L
CL322198	RP44_404K23	SP6	6	88388770	88389111	88.39	1.00E-80	NA
CL343292	RP44_276L5	T7	6	88793532	88794333	88.79	4.00E-26	NA
CL384032	RP44_327J10	SP6	6	88838877	88839193	88.84	4.00E-16	NA
CL343282	RP44_276J7	T7	6	88945937	88945991	88.95	5.00E-07	NA
CL370193	RP44_294J1	SP6	6	89040662	89040869	89.04	1.00E-52	LOC352072
CL327863	RP44_246F19	SP6	6	89040893	89041375	89.04	2.00E-91	LOC352072
CL366955	RP44_363A3	SP6	6	89063697	89063745	89.06	6.00E-06	LOC352072
CL335280	RP44_253O13	SP6	6	89445304	89445756	89.45	e-117	RNGTT
CL331100	CH242_6B19	SP6	6	89620510	89620802	89.62	4.00E-10	RNGTT
CL335217	RP44_253O13	T7	6	89747994	89748064	89.75	2.00E-11	NA
CL369846	RP44_292O8	T7	6	89758776	89759007	89.76	9.00E-26	SRrp35
CL323125	RP44_457D7	SP6	6	89837508	89837780	89.84	8.00E-11	NA
CL362960	RP44_383C23	T7	6	89903335	89903425	89.90	3.00E-19	NA
CL346457	RP44_270D24	T7	6	90203945	90204020	90.20	9.00E-08	ANKRD6
CL326127	RP44_243C15	T7	6	90468212	90468262	90.47	2.00E-07	MDN1
CL331600	CH242_8I19	SP6	6	90531152	90531318	90.53	4.00E-53	CASP8AP2
CL378109	RP44_423G16	T7	6	90533959	90534168	90.53	1.00E-11	CASP8AP2
CL342328	RP44_262C13	SP6	6	90637089	90637636	90.64	0	BACH2
CL378166	RP44_423G16	SP6	6	90737997	90738203	90.74	1.00E-20	BACH2
CL384511	RP44_329I9	SP6	6	90806905	90807287	90.81	4.00E-87	BACH2
CL327553	RP44_246A19	SP6	6	90819764	90820048	90.82	2.00E-30	BACH2
CL343478	RP44_276P8	T7	6	90851115	90851350	90.85	4.00E-07	BACH2
CL374421	RP44_470E15	SP6	6	90854646	90854799	90.85	5.00E-31	BACH2
CL337070	RP44_264C15	T7	6	90873950	90874040	90.87	5.00E-12	BACH2
CL386639	RP44_334B5	SP6	6	90877228	90877716	90.88	1.00E-22	BACH2
CL384427	RP44_329I9	T7	6	90987764	90988073	90.99	e-132	NA
CL380733	RP44_429N13	T7	6	90989198	90989637	90.99	1.00E-80	NA
CL386570	RP44_334B5	T7	6	91043819	91043961	91.04	5.00E-12	LOC346045

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL369489	RP44_291K14	T7	6	91044123	91044370	91.04	3.00E-45	LOC346045
CL374338	RP44_470E15	T7	6	91048094	91048183	91.05	6.00E-12	NA
CL336668	RP44_263C14	SP6	6	91073696	91074257	91.07	7.00E-95	NA
CL385211	RP44_330E16	SP6	6	91104191	91104488	91.10	1.00E-25	NA
CL351456	RP44_312N20	SP6	6	91211853	91211966	91.21	6.00E-40	MAP3K7
CL344060	RP44_278K1	T7	6	91231138	91231196	91.23	2.00E-14	MAP3K7
CL369551	RP44_291K14	SP6	6	91231138	91231328	91.23	3.00E-17	MAP3K7
CL383293	RP44_325J18	SP6	6	91464742	91465453	91.47	e-126	NA
CL343186	RP44_276E12	SP6	6	91537396	91537634	91.54	2.00E-08	LOC346047
CL321099	CH242_15K16	T7	6	91824978	91825447	91.83	4.00E-13	LOC352074
CL349384	RP44_309I19	SP6	6	91851795	91851901	91.85	7.00E-24	LOC352074
CL330908	CH242_6I21	T7	6	91898125	91898202	91.90	3.00E-07	NA
CL350930	RP44_311H1	SP6	6	91912407	91912613	91.91	1.00E-06	NA
CL350267	RP44_310P7	T7	6	91939972	91940554	91.94	0	NA
CL360314	RP44_339I9	SP6	6	91997447	91997814	92.00	9.00E-11	NA
CL349307	RP44_309I19	T7	6	92097332	92097981	92.10	e-135	NA
CL350343	RP44_310P7	SP6	6	92145780	92146004	92.15	9.00E-27	NA
CL373121	RP44_307F19	SP6	6	92230071	92230191	92.23	5.00E-16	NA
CL360478	RP44_339F11	T7	6	92319880	92320238	92.32	3.00E-25	NA
CL355308	RP44_409D3	T7	6	92347347	92347502	92.35	7.00E-15	NA
CL386153	RP44_333A14	T7	6	92487843	92488050	92.49	2.00E-55	NA
CL365895	RP44_356M13	SP6	6	92556734	92556846	92.56	1.00E-10	NA
CL349623	RP44_309L5	T7	6	92556734	92556846	92.56	1.00E-10	NA
CL390129	RP44_288K19	T7	6	92570857	92570912	92.57	6.00E-06	LOC340176
CL349146	RP44_308H14	T7	6	92577537	92578111	92.58	e-147	LOC340176
CL346259	RP44_270M5	SP6	6	92612666	92613215	92.61	1.00E-37	LOC340176
CL386213	RP44_333A14	SP6	6	92692384	92692566	92.69	2.00E-09	NA
CL377460	RP44_449D2	SP6	6	92720397	92720684	92.72	2.00E-13	NA
CL349223	RP44_308H14	SP6	6	92777344	92777421	92.78	2.00E-11	NA
CL390215	RP44_288K19	SP6	6	92777353	92777783	92.78	5.00E-06	NA
CL336216	RP44_255P9	T7	6	92780934	92781030	92.78	4.00E-07	NA
CL383073	RP44_325B3	SP6	6	92793037	92793638	92.79	7.00E-18	NA
CL370504	RP44_295J22	T7	6	92960316	92960541	92.96	9.00E-74	NA
CL372355	RP44_305N15	SP6	6	92991763	92992526	92.99	5.00E-41	NA
CL382989	RP44_325B3	T7	6	92992000	92992510	92.99	1.00E-12	NA
CL377159	RP44_449E14	SP6	6	93023347	93023579	93.02	2.00E-15	NA
CL354918	RP44_408P7	T7	6	93091536	93092235	93.09	6.00E-56	NA
CL385779	RP44_332C2	SP6	6	93518792	93519195	93.52	5.00E-37	NA
CL325062	RP44_479E13	T7	6	93636427	93636555	93.64	6.00E-21	NA
CL385710	RP44_332C2	T7	6	93673156	93673253	93.67	5.00E-06	NA
CL411698	RP44_429F21	SP6	6	93723902	93724042	93.72	5.00E-32	NA
CL363531	RP44_388B10	T7	6	93740485	93741145	93.74	8.00E-17	NA
CL379668	RP44_428E21	T7	6	93799304	93799644	93.80	1.00E-56	NA
CL357435	RP44_413E21	SP6	6	93889341	93889899	93.89	7.00E-12	NA
CL363605	RP44_388B10	SP6	6	93933491	93933691	93.93	2.00E-18	EPHA7
CL366625	RP44_362H19	T7	6	93949662	93949768	93.95	2.00E-09	EPHA7
CL379755	RP44_428E21	SP6	6	93985702	93986012	93.99	1.00E-59	EPHA7
CL372564	RP44_306F13	T7	6	94001818	94002062	94.00	e-106	EPHA7
CL387208	RP44_281M3	T7	6	94029723	94029807	94.03	3.00E-20	EPHA7
CL382181	RP44_323L9	T7	6	94034092	94034124	94.03	4.00E-06	EPHA7
CL366700	RP44_362H19	SP6	6	94119175	94119333	94.12	1.00E-56	NA
CL334094	RP44_251A3	T7	6	94167496	94167589	94.17	5.00E-28	NA
CL369090	RP44_290A21	SP6	6	94172444	94172953	94.17	7.00E-15	NA
CL376623	RP44_445O1	T7	6	94212538	94212902	94.21	6.00E-15	NA
CL388622	RP44_285O11	T7	6	94212980	94213211	94.21	6.00E-62	NA
CL349200	RP44_308D12	SP6	6	94215079	94215461	94.22	2.00E-18	NA
CL328375	RP44_248B3	T7	6	94230762	94230917	94.23	1.00E-34	NA
CL388014	RP44_284C15	SP6	6	94306117	94306198	94.31	2.00E-06	NA
CL388697	RP44_285O11	SP6	6	94449450	94449660	94.45	4.00E-07	NA
CL339925	RP44_256D23	SP6	6	94534887	94535016	94.53	3.00E-23	NA
CL340713	RP44_258B19	T7	6	94684140	94684315	94.68	3.00E-20	NA
CL408746	RP44_415H18	SP6	6	94685891	94686487	94.69	2.00E-43	NA
CL327778	RP44_246B17	T7	6	94747737	94748225	94.75	4.00E-13	NA
CL350648	RP44_311K23	SP6	6	94783094	94783168	94.78	1.00E-09	NA
CL412020	RP44_430E12	SP6	6	94817743	94817970	94.82	2.00E-08	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL326876	RP44_244G14	SP6	6	95072708	95072852	95.07	4.00E-44	NA
CL357683	RP44_413H5	T7	6	95295268	95295742	95.30	9.00E-45	NA
CL353478	RP44_403G13	SP6	6	95360962	95361150	95.36	1.00E-25	NA
CL353492	RP44_403K13	SP6	6	95360962	95361150	95.36	1.00E-25	NA
CL375461	RP44_471N11	SP6	6	95502676	95503093	95.50	1.00E-62	NA
CL384432	RP44_329I19	T7	6	95879366	95879460	95.88	6.00E-09	NA
CL328464	RP44_248D17	SP6	6	95916127	95916301	95.92	2.00E-49	NA
CL355264	RP44_409I22	SP6	6	96237846	96237953	96.24	7.00E-15	LOC345851
CL338936	RP44_268A15	T7	6	96237846	96237953	96.24	1.00E-12	LOC345851
CL361692	RP44_351O13	SP6	6	96467591	96467809	96.47	2.00E-09	FUT9
CL361606	RP44_351O13	T7	6	96467591	96467809	96.47	2.00E-09	FUT9
CL355185	RP44_409I22	T7	6	96467591	96467809	96.47	2.00E-09	FUT9
CL330397	CH242_3P10	T7	6	96488135	96488435	96.49	3.00E-11	FUT9
CL360304	RP44_339G5	SP6	6	96490646	96490707	96.49	4.00E-09	FUT9
CL378527	RP44_424P17	T7	6	96567735	96568016	96.57	7.00E-61	FUT9
CL338235	RP44_265B8	SP6	6	96680288	96680749	96.68	3.00E-23	NA
CL410115	RP44_418F1	T7	6	96861253	96861689	96.86	4.00E-28	LOC351988
CL333896	RP44_250H3	SP6	6	97054795	97055246	97.06	2.00E-15	ACT
CL373864	RP44_469I2	T7	6	97083632	97084100	97.08	8.00E-18	NA
CL349356	RP44_309C9	SP6	6	97183835	97183910	97.18	3.00E-08	NA
CL378579	RP44_424N21	SP6	6	97611079	97611137	97.61	1.00E-09	LOC253714
CL364505	RP44_396N19	SP6	6	97891977	97892175	97.89	1.00E-25	LOC351990
CL320482	CH242_10B14	SP6	6	98023317	98023524	98.02	2.00E-45	LOC351990
CL364442	RP44_396N19	T7	6	98049165	98049487	98.05	1.00E-07	LOC351990
CL380380	RP44_429K7	T7	6	98107453	98107878	98.11	5.00E-10	NA
CL389417	RP44_286H21	SP6	6	98113223	98113473	98.11	4.00E-16	NA
CL343066	RP44_276O17	SP6	6	98127634	98128125	98.13	1.00E-90	NA
CL320481	CH242_10B14	T7	6	98176933	98177083	98.18	8.00E-21	LOC351991
CL380467	RP44_429K7	SP6	6	98271093	98271580	98.27	e-115	LOC351991
CL351199	RP44_312K5	T7	6	98348943	98349685	98.35	2.00E-12	LOC345853
CL389967	RP44_287J24	T7	6	98572911	98572963	98.57	1.00E-06	NA
CL374909	RP44_470B20	SP6	6	98734733	98735079	98.73	e-112	LOC345854
CL374746	RP44_470B21	SP6	6	98734733	98735079	98.73	e-112	LOC345854
CL372641	RP44_306D19	SP6	6	98843701	98844097	98.84	e-136	NA
CL326685	RP44_244O9	T7	6	98844428	98844725	98.84	1.00E-40	NA
CL374664	RP44_470B21	T7	6	98948062	98948587	98.95	2.00E-36	LOC351992
CL374833	RP44_470B20	T7	6	98948062	98948588	98.95	6.00E-37	LOC351992
CL408695	RP44_415N16	T7	6	98965868	98966413	98.97	e-104	LOC351992
CL323065	RP44_455J6	SP6	6	98990824	98991262	98.99	e-110	LOC351992
CL326758	RP44_244O9	SP6	6	99069218	99069850	99.07	e-180	NA
CL362602	RP44_380E13	SP6	6	99115476	99115635	99.12	2.00E-22	NA
CL367628	RP44_372C13	T7	6	99127780	99128268	99.13	3.00E-10	NA
CL322151	RP44_404E1	SP6	6	99194880	99194975	99.19	4.00E-10	NA
CL327132	RP44_245A11	SP6	6	99280607	99280936	99.28	3.00E-75	NA
CL344456	RP44_278H15	SP6	6	99308593	99308876	99.31	4.00E-47	NA
CL328418	RP44_248L3	T7	6	99477107	99477307	99.48	9.00E-69	NA
CL325633	RP44_241D20	SP6	6	99496402	99496751	99.50	7.00E-52	NA
CL339208	RP44_268F11	T7	6	99497108	99497325	99.50	3.00E-10	NA
CL344372	RP44_278H15	T7	6	99512946	99513507	99.51	e-141	NA
CL354729	RP44_408G10	T7	6	99513688	99513763	99.51	3.00E-10	NA
CL354798	RP44_408G10	SP6	6	99749002	99749142	99.75	2.00E-08	MGC2817
CL336478	RP44_262N12	T7	6	99846610	99847136	99.85	0	NA
CL336365	RP44_262N12	SP6	6	100039979	100040163	100.04	1.00E-10	LOC351994
CL384578	RP44_329G12	T7	6	100040664	100040743	100.04	2.00E-12	LOC351994
CL411280	RP44_420L11	SP6	6	100057979	100058215	100.06	1.00E-43	PRDM13
CL361705	RP44_351B21	T7	6	100199656	100199760	100.20	2.00E-12	NA
CL361023	RP44_343N5	T7	6	100296092	100296449	100.30	2.00E-18	NA
CL343524	RP44_276J2	SP6	6	100309635	100309710	100.31	9.00E-08	NA
CL343442	RP44_276J2	T7	6	100547302	100547715	100.55	1.00E-13	NA
CL351846	RP44_313J17	T7	6	100651334	100651542	100.65	6.00E-12	LOC340136
CL368491	RP44_289K21	SP6	6	100754370	111103587	105.93	2.00E-09	CDK11
CL330538	CH242_4C17	SP6	6	100823069	100823107	100.82	1.00E-07	LOC345858
CL320796	CH242_13O13	T7	6	100861484	100861645	100.86	5.00E-22	SIM1
CL324154	RP44_463L22	T7	6	100998741	100998943	101.00	3.00E-35	DJ467N11.1
CL412306	RP44_430P8	T7	6	101004465	101004732	101.00	3.00E-07	DJ467N11.1

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL328504	RP44_248N3	SP6	6	101702062	101702479	101.70	2.00E-15	LOC345859
CL352714	RP44_401N15	SP6	6	101792367	101792565	101.79	7.00E-06	NA
CL346843	RP44_271B15	SP6	6	101843523	101843905	101.84	8.00E-69	NA
CL383543	RP44_326P10	T7	6	102069952	102069995	102.07	6.00E-15	GRIK2
CL329381	RP44_394A20	SP6	6	102112588	102112633	102.11	9.00E-07	GRIK2
CL409826	RP44_418G1	SP6	6	102246685	102246974	102.25	2.00E-57	GRIK2
CL327773	RP44_246O20	SP6	6	102254077	102254303	102.25	2.00E-09	GRIK2
CL409475	RP44_417E10	SP6	6	102349386	147732192	125.04	6.00E-09	GRIK2
CL327692	RP44_246O20	T7	6	102474771	102475151	102.47	e-118	GRIK2
CL362550	RP44_380K3	T7	6	102611555	102611850	102.61	2.00E-24	NA
CL352134	RP44_314A5	T7	6	102652840	102652926	102.65	8.00E-12	NA
CL380258	RP44_428F4	SP6	6	102777665	102777950	102.78	1.00E-31	NA
CL343796	RP44_277O10	T7	6	102859756	102860092	102.86	e-101	NA
CL340288	RP44_257C10	T7	6	103193426	103193830	103.19	1.00E-58	NA
CL340336	RP44_257M16	T7	6	103193426	103193884	103.19	2.00E-83	NA
CL387573	RP44_281H5	SP6	6	103561258	103561302	103.56	2.00E-08	NA
CL410307	RP44_418N18	SP6	6	103569643	103569751	103.57	1.00E-13	NA
CL378263	RP44_423N22	T7	6	103715981	103716412	103.72	1.00E-31	NA
CL372874	RP44_307A16	T7	6	103779441	103779496	103.78	7.00E-08	NA
CL387488	RP44_281H5	T7	6	103779441	103779500	103.78	4.00E-10	NA
CL368213	RP44_288D4	T7	6	103779441	103779500	103.78	4.00E-10	NA
CL381906	RP44_323C7	SP6	6	103838625	103838765	103.84	2.00E-32	NA
CL341534	RP44_260P16	T7	6	103862320	103862542	103.86	4.00E-46	NA
CL341496	RP44_260J4	T7	6	103862320	103862696	103.86	e-109	NA
CL382311	RP44_323F20	SP6	6	104073782	104074037	104.07	2.00E-15	NA
CL372797	RP44_306B20	SP6	6	104199870	104199908	104.20	3.00E-07	NA
CL413852	RP44_435I8	T7	6	104202283	104202371	104.20	7.00E-09	NA
CL382231	RP44_323F20	T7	6	104215330	104215486	104.22	3.00E-08	NA
CL386896	RP44_335O21	T7	6	104412177	104412486	104.41	1.00E-07	NA
CL355986	RP44_410H3	SP6	6	104776372	104776570	104.78	6.00E-15	NA
CL355398	RP44_409F3	SP6	6	104783129	104783432	104.78	8.00E-39	NA
CL361047	RP44_343D7	SP6	6	104786714	104787109	104.79	2.00E-09	NA
CL326599	RP44_243L8	SP6	6	104819860	104820272	104.82	2.00E-15	NA
CL347598	RP44_272N2	T7	6	104933951	104934428	104.93	e-161	LOC345862
CL355318	RP44_409F3	T7	6	104957864	104958218	104.96	1.00E-34	LOC345862
CL350538	RP44_311E11	T7	6	104968062	104968154	104.97	1.00E-08	LOC345862
CL326527	RP44_243L8	T7	6	104998624	104998839	105.00	7.00E-42	NA
CL350614	RP44_311E11	SP6	6	105140797	105141039	105.14	2.00E-13	NA
CL351685	RP44_313I14	T7	6	105232085	105232501	105.23	1.00E-43	KIAA1320
CL365562	RP44_354G7	T7	6	105675603	105675881	105.68	6.00E-30	NA
CL338345	RP44_266G9	T7	6	105926377	105926471	105.93	2.00E-11	LOC345866
CL328202	RP44_248O5	SP6	6	106146214	106146513	106.15	7.00E-18	NA
CL334182	RP44_251C1	SP6	6	106314670	106314752	106.31	9.00E-13	NA
CL370669	RP44_296O9	T7	6	106555310	106555804	106.56	3.00E-56	PRDM1
CL384129	RP44_328N23	T7	6	106626667	106626767	106.63	2.00E-27	NA
CL390119	RP44_288I21	T7	6	106962461	106962721	106.96	5.00E-13	AIM1
CL338905	RP44_267I24	SP6	6	106975307	106975482	106.98	3.00E-53	AIM1
CL412640	RP44_431A2	SP6	6	107076733	107076825	107.08	2.00E-17	RTN4IP1
CL362652	RP44_380O23	SP6	6	107099805	107099837	107.10	7.00E-06	FLJ10989
CL356195	RP44_410P6	SP6	6	107310323	107310616	107.31	1.00E-50	NA
CL332630	CH242_12M13	SP6	6	107549301	107549711	107.55	1.00E-56	LOC57107
CL331132	CH242_6J3	SP6	6	107588069	107588327	107.59	5.00E-83	LOC57107
CL323210	RP44_457D12	SP6	6	107820582	107821018	107.82	e-107	FLJ10159
CL330770	CH242_4P6	T7	6	107823401	107823701	107.82	1.00E-39	FLJ10159
CL323402	RP44_458M11	SP6	6	107846695	107846734	107.85	1.00E-07	FLJ10159
CL377064	RP44_449C8	T7	6	107916925	107917162	107.92	6.00E-60	FLJ10159
CL368245	RP44_288J12	T7	6	107964027	107964471	107.96	e-139	FLJ10159
CL323401	RP44_458M11	T7	6	107988649	107989037	107.99	4.00E-93	LOC345869
CL335286	RP44_253A8	T7	6	108237265	108237533	108.24	3.00E-11	SEC63L
CL370128	RP44_294J13	T7	6	108391828	108391912	108.39	6.00E-11	GL
CL335355	RP44_253A8	SP6	6	108437544	108438012	108.44	4.00E-93	LOC345870
CL378189	RP44_423M6	SP6	6	108740821	108741416	108.74	3.00E-23	LACE1
CL348506	RP44_274B2	SP6	6	108869074	108869107	108.87	1.00E-06	LOC345871
CL386921	RP44_335E9	SP6	6	108895603	108895643	108.90	6.00E-06	FOXO3A
CL344594	RP44_278D10	SP6	6	108925633	108925761	108.93	3.00E-08	FOXO3A

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL354959	RP44_408H5	SP6	6	109292645	109292743	109.29	6.00E-08	DKFZP434P0714
CL348454	RP44_274F12	T7	6	109337058	109337413	109.34	8.00E-18	PA26
CL359515	RP44_336P22	SP6	6	109429389	109429450	109.43	1.00E-06	MGC21731
CL354874	RP44_408H5	T7	6	109488150	109488485	109.49	2.00E-21	NA
CL381279	RP44_315P15	T7	6	109576580	109576825	109.58	1.00E-50	FLJ37396
CL333792	RP44_250O22	SP6	6	109644978	109645132	109.65	7.00E-11	NA
CL326850	RP44_244A20	SP6	6	109814129	109814393	109.81	3.00E-13	FLJ25791
CL334144	RP44_251K5	T7	6	110421103	110421333	110.42	6.00E-58	WASF1
CL378175	RP44_423I18	SP6	6	110452359	110452431	110.45	1.00E-08	WASF1
CL409829	RP44_418G7	SP6	6	110533004	110533142	110.53	4.00E-06	PRP17
CL408600	RP44_415L7	SP6	6	110791550	110792085	110.79	3.00E-10	CT2
CL378191	RP44_423M10	SP6	6	111077100	111077154	111.08	6.00E-12	CDK11
CL348809	RP44_275M18	T7	6	111255586	111255914	111.26	1.00E-25	NA
CL376795	RP44_445B15	SP6	6	111441307	111441360	111.44	7.00E-09	SLC16A10
CL376711	RP44_445B15	T7	6	111620835	111621310	111.62	6.00E-95	REV3L
CL351108	RP44_311J14	SP6	6	111791549	111791625	111.79	2.00E-15	REV3L
CL358856	RP44_335C2	SP6	6	111802605	111802665	111.80	2.00E-06	REV3L
CL389936	RP44_287D4	T7	6	111813634	111814411	111.81	2.00E-11	NA
CL345257	RP44_279L24	SP6	6	111824481	111824709	111.82	8.00E-21	NA
CL345101	RP44_279L23	SP6	6	111824481	111824743	111.82	2.00E-30	NA
CL332848	CH242_12H3	T7	6	111904525	111905636	111.91	e-107	C6orf4
CL439759	RP44_297L1	SP6	6	111946505	111946778	111.95	2.00E-64	NA
CL363137	RP44_383G10	T7	6	111946976	111947429	111.95	2.00E-23	NA
CL363130	RP44_383E10	T7	6	111947024	111947128	111.95	5.00E-14	NA
CL386375	RP44_333D4	SP6	6	111981735	111982203	111.98	2.00E-48	NA
CL363736	RP44_389B15	T7	6	112007902	112008152	112.01	2.00E-38	FYN
CL363207	RP44_383E10	SP6	6	112124729	112124959	112.12	1.00E-15	FYN
CL363216	RP44_383G10	SP6	6	112124729	112124959	112.12	1.00E-15	FYN
CL351507	RP44_313G17	T7	6	112136589	112136759	112.14	1.00E-10	FYN
CL332689	CH242_12G24	T7	6	112138991	112139525	112.14	8.00E-89	FYN
CL321077	CH242_15I18	T7	6	112319273	112319621	112.32	4.00E-13	NA
CL371962	RP44_304L18	T7	6	112361894	112361997	112.36	6.00E-15	NA
CL413260	RP44_432N2	T7	6	112454676	112454865	112.45	3.00E-51	LAMA4
CL359765	RP44_338A1	T7	6	112520625	112520874	112.52	6.00E-09	LAMA4
CL411679	RP44_429D7	SP6	6	112595556	112596256	112.60	4.00E-38	LOC345881
CL347402	RP44_272O16	SP6	6	113233642	113233919	113.23	4.00E-13	LOC345886
CL369890	RP44_292J22	T7	6	113252610	113252910	113.25	7.00E-37	LOC345886
CL337643	RP44_264L14	SP6	6	113488959	113489023	113.49	6.00E-06	NA
CL373027	RP44_307F1	T7	6	113992540	113992619	113.99	1.00E-10	NA
CL355301	RP44_409B9	T7	6	114176603	114177182	114.18	3.00E-63	LOC221286
CL338033	RP44_265J13	T7	6	114359089	114359155	114.36	1.00E-09	LOC345889
CL440171	RP44_299J16	SP6	6	114437155	114437514	114.44	4.00E-21	NA
CL333939	RP44_250P23	SP6	6	114442834	114443052	114.44	4.00E-16	NA
CL348962	RP44_275J15	T7	6	114482620	114482944	114.48	2.00E-64	NA
CL336083	RP44_255C21	SP6	6	114648019	114648795	114.65	4.00E-41	NA
CL343093	RP44_276E2	T7	6	114659689	114659998	114.66	5.00E-22	NA
CL328139	RP44_248A9	SP6	6	114690023	114690084	114.69	1.00E-06	NA
CL355732	RP44_410C12	T7	6	114753828	114753893	114.75	4.00E-16	NA
CL336006	RP44_255C21	T7	6	114815459	114815722	114.82	4.00E-10	LOC345890
CL328068	RP44_248A9	T7	6	114895557	130840047	122.87	3.00E-32	LOC352021
CL350212	RP44_310D7	T7	6	115614722	115614804	115.61	7.00E-12	NA
CL376327	RP44_444K19	T7	6	115614722	115614804	115.61	5.00E-12	NA
CL376346	RP44_444O19	T7	6	115614722	115614804	115.61	6.00E-12	NA
CL324540	RP44_475D6	SP6	6	115667896	115668165	115.67	2.00E-17	NA
CL324494	RP44_475C5	SP6	6	115668082	115668165	115.67	2.00E-17	NA
CL320603	CH242_10N8	SP6	6	115670241	115670691	115.67	6.00E-37	NA
CL383537	RP44_326N20	T7	6	115737442	115737504	115.74	1.00E-09	NA
CL379146	RP44_426G3	SP6	6	115863671	115864061	115.86	e-107	NA
CL377966	RP44_422D12	T7	6	115863671	115864061	115.86	e-121	NA
CL339231	RP44_268J13	T7	6	116122224	116122266	116.12	4.00E-07	NA
CL344430	RP44_278D3	SP6	6	116137277	116138228	116.14	1.00E-22	NA
CL348088	RP44_273L4	SP6	6	116513854	116513895	116.51	2.00E-06	MGC24302
CL330675	CH242_4L11	SP6	6	116527918	116528359	116.53	1.00E-13	MGC24302
CL332245	CH242_10E8	SP6	6	116699167	116699357	116.70	4.00E-19	SART2
CL363918	RP44_392O16	SP6	6	116699310	116699357	116.70	4.00E-10	SART2

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL323437	RP44_458A10	T7	6	116844822	116844862	116.84	7.00E-06	NA
CL363848	RP44_392O16	T7	6	116874912	116875463	116.88	e-154	FLJ32239
CL337339	RP44_264I22	SP6	6	116900923	116900967	116.90	6.00E-06	PTD013
CL388408	RP44_284D8	T7	6	117209515	117210143	117.21	4.00E-38	MGC33442
CL340298	RP44_257E12	T7	6	117245497	117246024	117.25	e-171	MGC33442
CL388486	RP44_284D8	SP6	6	117478085	117478284	117.48	3.00E-24	LOC352007
CL413685	RP44_433P22	SP6	6	117515283	117515370	117.52	4.00E-06	LOC352007
CL336882	RP44_263P1	SP6	6	117596562	117596734	117.60	2.00E-56	NA
CL373025	RP44_307D19	T7	6	117630065	117630322	117.63	2.00E-92	ROS1
CL378435	RP44_424G12	SP6	6	117643540	117644254	117.64	2.00E-43	ROS1
CL380379	RP44_429K5	T7	6	117741004	117741254	117.74	3.00E-10	ROS1
CL374495	RP44_470C6	T7	6	117812251	117812483	117.81	9.00E-17	MGC46341
CL412033	RP44_430G20	SP6	6	118110881	118111552	118.11	1.00E-10	NA
CL408573	RP44_415F23	SP6	6	118484141	118484199	118.48	3.00E-07	LOC222553
CL358704	RP44_415G23	SP6	6	118484141	118484199	118.48	2.00E-07	LOC222553
CL363461	RP44_388P23	T7	6	118740650	118740807	118.74	2.00E-18	LOC221311
CL379274	RP44_426E12	SP6	6	118789444	118789553	118.79	3.00E-15	NA
CL356673	RP44_411F4	SP6	6	118845852	118846000	118.85	2.00E-20	NA
CL368955	RP44_289H16	SP6	6	119027659	119027748	119.03	1.00E-13	LOC345897
CL328575	RP44_248J18	T7	6	119170709	119170982	119.17	6.00E-09	MGC35304
CL326611	RP44_243N16	SP6	6	119173847	119174036	119.17	7.00E-64	MGC35304
CL339749	RP44_256O19	T7	6	119216605	119217088	119.22	5.00E-28	FLJ13942
CL358792	RP44_415I8	T7	6	119220886	119221172	119.22	4.00E-81	FLJ13942
CL320374	CH242_6H6	SP6	6	119231272	119231512	119.23	4.00E-87	FLJ13942
CL349949	RP44_310O13	T7	6	119259190	119259325	119.26	3.00E-51	FLJ13942
CL372204	RP44_305B1	T7	6	119385828	119385890	119.39	4.00E-07	FLJ13942
CL350030	RP44_310O13	SP6	6	119443587	119443971	119.44	1.00E-28	MAN1A1
CL339823	RP44_256O19	SP6	6	119443587	119443973	119.44	1.00E-28	MAN1A1
CL414232	RP44_436O18	T7	6	119448467	119448860	119.45	1.00E-31	MAN1A1
CL362139	RP44_375O15	T7	6	119533164	119533247	119.53	2.00E-10	MAN1A1
CL359358	RP44_336H19	SP6	6	119564926	119565226	119.57	6.00E-31	MAN1A1
CL351888	RP44_313B17	SP6	6	119612074	119612293	119.61	1.00E-07	NA
CL384347	RP44_328J12	SP6	6	119789676	119789791	119.79	2.00E-08	NA
CL344642	RP44_278N14	SP6	6	119866230	119866316	119.87	1.00E-09	NA
CL390230	RP44_288O5	SP6	6	119903878	119904422	119.90	6.00E-46	LOC345898
CL384263	RP44_328J12	T7	6	119914317	119914512	119.91	4.00E-09	LOC345898
CL390144	RP44_288O5	T7	6	119939326	119939541	119.94	9.00E-08	NA
CL351698	RP44_313K22	T7	6	119941885	119942005	119.94	5.00E-13	NA
CL372655	RP44_306F23	SP6	6	120542060	120542323	120.54	9.00E-36	NA
CL389786	RP44_287E24	T7	6	120606915	120606999	120.61	4.00E-06	NA
CL408740	RP44_415H6	SP6	6	120711078	120711316	120.71	1.00E-53	LOC352011
CL370000	RP44_293E12	T7	6	121053620	121055556	121.05	3.00E-07	NA
CL351467	RP44_312P22	SP6	6	121154233	121154453	121.15	4.00E-07	NA
CL369129	RP44_290K1	SP6	6	121156463	121157016	121.16	2.00E-61	NA
CL359663	RP44_337C24	T7	6	121367374	121367453	121.37	2.00E-08	FLJ30899
CL360511	RP44_339N9	T7	6	121460093	121460199	121.46	2.00E-14	FLJ30899
CL329425	RP44_394G10	T7	6	121460093	121460199	121.46	3.00E-12	FLJ30899
CL329470	RP44_394K20	T7	6	121460093	121460199	121.46	2.00E-14	FLJ30899
CL357841	RP44_413F22	T7	6	121460093	121460372	121.46	3.00E-14	FLJ30899
CL381935	RP44_323K13	SP6	6	121560800	121561118	121.56	1.00E-24	FLJ30899
CL374366	RP44_470K15	T7	6	121934355	121934452	121.93	4.00E-09	NA
CL322904	RP44_437A24	T7	6	121948126	121948201	121.95	1.00E-12	NA
CL371153	RP44_302E12	T7	6	122142445	122142972	122.14	2.00E-61	NA
CL374454	RP44_470K15	SP6	6	122148693	122148721	122.15	5.00E-06	NA
CL365318	RP44_400B24	T7	6	122187519	122187739	122.19	8.00E-58	NA
CL333849	RP44_250N1	T7	6	122264874	122265310	122.27	1.00E-52	NA
CL339140	RP44_268E16	SP6	6	122680185	122680677	122.68	3.00E-11	HSF2
CL379257	RP44_426O18	T7	6	122841598	122841653	122.84	3.00E-10	PKIB
CL376508	RP44_444P22	T7	6	123255295	123255501	123.26	7.00E-51	LOC134829
CL374722	RP44_470N11	T7	6	123693173	123693281	123.69	1.00E-06	TRDN
CL373123	RP44_307F23	SP6	6	123753084	123753538	123.75	e-108	TRDN
CL360347	RP44_339A8	T7	6	123828774	123828870	123.83	5.00E-06	TRDN
CL349827	RP44_309F18	SP6	6	123831488	123831951	123.83	e-119	TRDN
CL320754	CH242_13K11	SP6	6	123832190	123832281	123.83	3.00E-20	TRDN
CL341784	RP44_261A24	T7	6	123879260	123879599	123.88	7.00E-39	TRDN

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL372426	RP44_305L8	T7	6	123921594	123921675	123.92	5.00E-09	LOC352015
CL357592	RP44_413E4	SP6	6	123932613	123932658	123.93	6.00E-09	LOC352015
CL343872	RP44_277O10	SP6	6	123994904	123994957	123.99	2.00E-06	NA
CL341870	RP44_261A24	SP6	6	124071414	124071478	124.07	1.00E-10	MGC41924
CL383596	RP44_326J24	SP6	6	124081758	124082145	124.08	1.00E-40	MGC41924
CL440045	RP44_299K20	T7	6	124101118	124101388	124.10	1.00E-22	MGC41924
CL357508	RP44_413E4	T7	6	124104294	124104502	124.10	5.00E-06	MGC41924
CL344094	RP44_278A15	SP6	6	124164871	124165352	124.17	e-112	MGC41924
CL364818	RP44_400C19	SP6	6	124278083	124279076	124.28	4.00E-47	MGC41924
CL362837	RP44_380L8	T7	6	124513491	124513683	124.51	9.00E-33	MGC41924
CL374150	RP44_469P17	SP6	6	124546071	124546321	124.55	4.00E-41	MGC41924
CL329660	RP44_394B8	SP6	6	124632469	124632586	124.63	6.00E-12	MGC41924
CL361884	RP44_353G13	T7	6	124676105	124676740	124.68	4.00E-75	MGC41924
CL360349	RP44_339A14	T7	6	124723071	124723102	124.72	9.00E-08	MGC41924
CL362478	RP44_377K18	SP6	6	124729629	124729776	124.73	7.00E-15	MGC41924
CL362398	RP44_377K18	T7	6	124873711	124873964	124.87	7.00E-15	MGC41924
CL369582	RP44_292C7	T7	6	124956371	124956766	124.96	5.00E-92	MGC41924
CL410035	RP44_418C12	SP6	6	124956371	124956895	124.96	7.00E-92	MGC41924
CL409810	RP44_418C13	SP6	6	124956375	124956766	124.96	1.00E-86	MGC41924
CL327825	RP44_246N17	T7	6	125080234	125080781	125.08	e-130	MGC41924
CL343576	RP44_277E11	T7	6	125293416	132329247	128.81	2.00E-12	MGC26996
CL367741	RP44_372O11	SP6	6	125294155	125294523	125.29	2.00E-39	MGC26996
CL337481	RP44_264J13	SP6	6	125512887	125513363	125.51	3.00E-11	TPD52L1
CL385067	RP44_330E21	SP6	6	125512887	125513363	125.51	2.00E-09	TPD52L1
CL327657	RP44_246I2	T7	6	125625844	125626294	125.63	7.00E-24	NA
CL352664	RP44_401D21	SP6	6	125677943	125678126	125.68	7.00E-49	NA
CL370676	RP44_296O23	T7	6	125743693	125744249	125.74	7.00E-18	LOC352017
CL345077	RP44_279H19	SP6	6	125776797	125777442	125.78	7.00E-09	NA
CL327734	RP44_246I2	SP6	6	125811047	125811450	125.81	5.00E-28	NA
CL352585	RP44_401D21	T7	6	125871409	125871963	125.87	e-119	LOC352018
CL367956	RP44_374H17	SP6	6	125910948	125911245	125.91	6.00E-15	LOC352018
CL340451	RP44_257F21	T7	6	125997553	125997910	126.00	4.00E-16	NA
CL410124	RP44_418H7	T7	6	126007752	126008083	126.01	3.00E-07	HEY2
CL352386	RP44_401C3	SP6	6	126348288	126348479	126.35	5.00E-17	NA
CL361633	RP44_351E1	SP6	6	126389339	126389722	126.39	2.00E-65	LOC345905
CL361548	RP44_351E1	T7	6	126389339	126389722	126.39	2.00E-65	LOC345905
CL338557	RP44_266A24	SP6	6	126558082	126558364	126.56	2.00E-12	NA
CL338479	RP44_266A24	T7	6	126793258	126793558	126.79	3.00E-14	NA
CL380971	RP44_314D11	SP6	6	127165117	127165178	127.17	7.00E-09	LOC352020
CL334896	RP44_252K22	T7	6	127432914	127433008	127.43	8.00E-17	FLJ14440
CL412881	RP44_431P1	SP6	6	127570793	127571183	127.57	6.00E-43	LOC55862
CL382156	RP44_323F21	T7	6	127583271	127583314	127.58	2.00E-12	LOC55862
CL412801	RP44_431P1	T7	6	127750839	127751081	127.75	1.00E-13	KIAA0408
CL414315	RP44_436B3	T7	6	127756453	127756615	127.76	2.00E-09	KIAA0408
CL332450	CH242_10N5	SP6	6	127889058	127889361	127.89	3.00E-20	NA
CL380796	RP44_314A18	SP6	6	128098921	128098965	128.10	6.00E-06	FLJ40584
CL333330	RP44_249E2	SP6	6	128219823	128220028	128.22	5.00E-36	NA
CL321373	CH242_15N16	SP6	6	128229932	128230111	128.23	7.00E-70	PTPRK
CL345798	RP44_280D16	T7	6	128383818	128383935	128.38	3.00E-11	PTPRK
CL337734	RP44_265O1	T7	6	128456034	128456063	128.46	2.00E-06	PTPRK
CL366141	RP44_358M2	SP6	6	128503038	128503205	128.50	4.00E-39	PTPRK
CL366123	RP44_358I2	SP6	6	128503094	128503205	128.50	2.00E-34	PTPRK
CL358149	RP44_414G14	T7	6	128533743	128533867	128.53	3.00E-23	PTPRK
CL389712	RP44_287E19	SP6	6	128595522	128595691	128.60	1.00E-13	PTPRK
CL350222	RP44_310F5	T7	6	128627279	128627591	128.63	4.00E-32	PTPRK
CL358225	RP44_414G14	SP6	6	128713625	128713908	128.71	2.00E-11	PTPRK
CL414237	RP44_436A6	SP6	6	128713625	128713922	128.71	5.00E-12	PTPRK
CL376479	RP44_444D16	T7	6	128714121	128714283	128.71	2.00E-38	PTPRK
CL337588	RP44_264B2	SP6	6	128933970	128936076	128.94	8.00E-64	NA
CL369584	RP44_292C11	T7	6	128936177	128936277	128.94	4.00E-25	NA
CL353374	RP44_402F22	T7	6	128969738	128970113	128.97	2.00E-58	NA
CL321717	CH242_13B7	T7	6	129264060	129264484	129.26	5.00E-99	LAMA2
CL337540	RP44_264F8	T7	6	129265794	148809235	139.04	2.00E-33	LAMA2
CL380619	RP44_429G8	SP6	6	129287136	129287321	129.29	3.00E-11	LAMA2
CL335710	RP44_254C1	T7	6	129330474	129330606	129.33	1.00E-13	LAMA2

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL337357	RP44_264M20	SP6	6	129354464	129354876	129.35	e-126	LAMA2
CL380532	RP44_429G8	T7	6	129460375	129460657	129.46	6.00E-09	LAMA2
CL380343	RP44_429C17	T7	6	129513941	129514114	129.51	1.00E-28	LAMA2
CL380429	RP44_429C17	SP6	6	129696836	129697313	129.70	e-127	LAMA2
CL361354	RP44_350G3	SP6	6	129721621	129721852	129.72	2.00E-67	LAMA2
CL361333	RP44_350C3	SP6	6	129721621	129722097	129.72	2.00E-67	LAMA2
CL361279	RP44_350G3	T7	6	129721621	129722097	129.72	2.00E-67	LAMA2
CL361259	RP44_350C3	T7	6	129721621	129722155	129.72	2.00E-67	LAMA2
CL351866	RP44_313N15	T7	6	129760884	129761137	129.76	2.00E-09	LAMA2
CL364631	RP44_396P14	SP6	6	129860873	129860938	129.86	2.00E-11	MacGAP
CL325566	RP44_241F10	T7	6	130115737	130116163	130.12	1.00E-55	LOC253582
CL387050	RP44_335O4	T7	6	130178848	130179156	130.18	4.00E-16	NA
CL325636	RP44_241F10	SP6	6	130299798	130300243	130.30	1.00E-28	KIAA1798
CL359772	RP44_338A17	T7	6	130305120	130305668	130.31	9.00E-33	KIAA1798
CL352204	RP44_314O21	T7	6	130369678	130369878	130.37	1.00E-35	KIAA1798
CL324533	RP44_475B6	SP6	6	130824852	130824902	130.82	2.00E-10	LOC352021
CL373383	RP44_308J13	T7	6	130897183	130897252	130.90	5.00E-09	NA
CL321450	CH242_20D16	T7	6	131446096	131446207	131.45	6.00E-08	AKAP7
CL375433	RP44_471H17	SP6	6	131652120	131652153	131.65	1.00E-06	LOC134850
CL349415	RP44_309O15	SP6	6	131843513	131844066	131.84	2.00E-24	CRSP3
CL362599	RP44_380E7	SP6	6	131872207	131872447	131.87	5.00E-71	CRSP3
CL373507	RP44_457D3	T7	6	132393217	132393269	132.39	5.00E-13	LOC345912
CL411343	RP44_420P10	T7	6	132411338	132411503	132.41	6.00E-14	LOC345912
CL323123	RP44_457D3	SP6	6	132551190	132551677	132.55	9.00E-11	NA
CL357759	RP44_413F19	SP6	6	132667698	132667738	132.67	6.00E-06	NA
CL440066	RP44_299B10	T7	6	132887402	132887619	132.89	2.00E-12	NA
CL353852	RP44_403F14	SP6	6	133273128	133273280	133.27	3.00E-17	NA
CL387873	RP44_283C23	SP6	6	133322254	133322518	133.32	2.00E-51	NA
CL368823	RP44_289N17	SP6	6	133466793	133466914	133.47	1.00E-24	NA
CL380424	RP44_429C7	SP6	6	133486601	133486662	133.49	7.00E-09	NA
CL374922	RP44_470F4	SP6	6	133563161	133563446	133.56	e-110	EYA4
CL369348	RP44_291C1	T7	6	133734138	133734175	133.73	9.00E-07	EYA4
CL364101	RP44_396G19	T7	6	134430772	134431076	134.43	2.00E-36	SGK
CL349259	RP44_308P14	SP6	6	134769106	134769494	134.77	7.00E-58	NA
CL349881	RP44_310A5	T7	6	134796900	134797304	134.80	3.00E-16	NA
CL352701	RP44_401L9	SP6	6	134892561	134892941	134.89	1.00E-10	NA
CL382154	RP44_323F17	T7	6	134967422	134967730	134.97	3.00E-26	LOC345920
CL353791	RP44_403F20	T7	6	135082319	135082351	135.08	7.00E-06	NA
CL352624	RP44_401L9	T7	6	135109627	135109748	135.11	2.00E-30	NA
CL389448	RP44_286P1	SP6	6	135312048	135312093	135.31	1.00E-06	NA
CL378207	RP44_423O20	SP6	6	135644537	135644661	135.64	3.00E-17	FLJ20069
CL349564	RP44_309M22	SP6	6	135883576	135883681	135.88	5.00E-16	NA
CL364513	RP44_396P23	SP6	6	135888979	135889018	135.89	8.00E-08	LOC345923
CL378141	RP44_423O20	T7	6	135897210	135897881	135.90	1.00E-19	NA
CL329007	RP44_382J15	SP6	6	135990598	135990710	135.99	6.00E-18	NA
CL358340	RP44_414P5	T7	6	135990598	135990710	135.99	7.00E-18	NA
CL334665	RP44_251L8	SP6	6	136129026	136129453	136.13	2.00E-08	PDE7B
CL321814	CH242_15C9	T7	6	136192010	136192157	136.19	2.00E-36	PDE7B
CL334596	RP44_251L8	T7	6	136313825	136313929	136.31	2.00E-13	PDE7B
CL331206	CH242_7G8	T7	6	136365699	136366216	136.37	3.00E-17	PDE7B
CL372600	RP44_306N1	T7	6	136547477	136547542	136.55	1.00E-06	NA
CL355037	RP44_409G13	T7	6	136586122	136586186	136.59	5.00E-06	NA
CL341950	RP44_261B17	T7	6	136740196	136740269	136.74	4.00E-16	MAP7
CL320572	CH242_10J14	SP6	6	136977946	136978680	136.98	1.00E-10	MAP3K5
CL408873	RP44_416A21	SP6	6	137145886	137146206	137.15	9.00E-07	PEX7
CL414240	RP44_436A12	SP6	6	137145886	137146206	137.15	1.00E-06	PEX7
CL339010	RP44_268G3	SP6	6	137267535	137267808	137.27	3.00E-78	IL20RA
CL357361	RP44_413G13	T7	6	137454276	137454599	137.45	8.00E-18	IFNGR1
CL362051	RP44_353N17	T7	6	137578800	137579228	137.58	1.00E-65	LOC352025
CL344234	RP44_278M2	T7	6	137651973	137652054	137.65	9.00E-07	LOC352026
CL363796	RP44_389P19	T7	6	137683943	137684128	137.68	4.00E-52	LOC352026
CL348206	RP44_274C19	SP6	6	138175756	138175994	138.18	2.00E-29	LOC352027
CL359440	RP44_336J18	T7	6	138435379	138435426	138.44	3.00E-10	LOC345928
CL337296	RP44_264A20	SP6	6	138592552	138592749	138.59	5.00E-83	KIAA1244
CL374180	RP44_469F22	T7	6	138812008	138812450	138.81	3.00E-26	LOC254076

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL377510	RP44_449N10	SP6	6	139032712	139032772	139.03	1.00E-15	CCRL1AP
CL362807	RP44_380F4	T7	6	139121305	139121854	139.12	5.00E-22	LOC345930
CL366000	RP44_356J12	SP6	6	139394720	139394806	139.39	8.00E-17	HDCL
CL382004	RP44_323I16	T7	6	139625304	139625547	139.63	2.00E-58	LOC340147
CL379571	RP44_426D22	SP6	6	139642631	139642893	139.64	8.00E-30	NA
CL364404	RP44_396F5	T7	6	139701815	139702513	139.70	3.00E-53	LOC340148
CL412268	RP44_430H14	T7	6	139701815	139702513	139.70	2.00E-52	LOC340148
CL332051	CH242_10C7	SP6	6	139706550	139706664	139.71	2.00E-21	LOC340148
CL411925	RP44_430C6	T7	6	139708582	139708828	139.71	4.00E-27	LOC340148
CL360771	RP44_341J18	T7	6	139867059	139867281	139.87	2.00E-20	NA
CL412006	RP44_430C6	SP6	6	139883069	139883489	139.88	e-108	LOC345932
CL412352	RP44_430H14	SP6	6	139945879	139946182	139.95	5.00E-40	LOC345932
CL357335	RP44_413A19	T7	6	139945879	139946201	139.95	8.00E-42	LOC345932
CL331965	CH242_10C7	T7	6	139952369	139952656	139.95	3.00E-60	LOC345932
CL387172	RP44_281E9	T7	6	140108528	140108881	140.11	e-102	NA
CL349322	RP44_309M3	T7	6	140406676	140406923	140.41	7.00E-09	NA
CL338400	RP44_266C3	SP6	6	140507722	140507772	140.51	4.00E-07	NA
CL389713	RP44_287E21	SP6	6	140731683	140731743	140.73	4.00E-13	LOC345934
CL373623	RP44_457L14	T7	6	140816515	140816579	140.82	1.00E-10	LOC345934
CL389636	RP44_287E21	T7	6	140924340	140924455	140.92	8.00E-08	NA
CL370791	RP44_300I17	SP6	6	141170962	141171304	141.17	1.00E-53	NA
CL323208	RP44_457D8	SP6	6	141556333	141556851	141.56	1.00E-22	NA
CL336788	RP44_263L5	T7	6	141657535	141658074	141.66	4.00E-07	NA
CL371819	RP44_304B11	SP6	6	141719226	141719316	141.72	3.00E-14	NA
CL333368	RP44_249B10	T7	6	141832458	141832569	141.83	3.00E-17	LOC345935
CL371735	RP44_304B11	T7	6	141884760	141884848	141.88	3.00E-11	NA
CL357559	RP44_413M20	T7	6	141898559	141898866	141.90	1.00E-87	LOC352029
CL327489	RP44_246C17	T7	6	141968686	141968799	141.97	8.00E-17	LOC352029
CL349245	RP44_308L20	SP6	6	142070637	142070874	142.07	6.00E-37	NA
CL327561	RP44_246C17	SP6	6	142243137	142243182	142.24	1.00E-06	NA
CL333195	RP44_249C15	SP6	6	142299242	142299302	142.30	3.00E-06	NA
CL380989	RP44_314H13	SP6	6	142417686	142418047	142.42	1.00E-72	HSPC228
CL325215	RP44_479J21	T7	6	142639799	142640065	142.64	8.00E-42	NA
CL409182	RP44_416F16	SP6	6	142653952	142654377	142.65	1.00E-12	NA
CL326979	RP44_244P2	T7	6	142885678	142885821	142.89	2.00E-20	LOC153910
CL331585	CH242_8G5	SP6	6	143030881	143031577	143.03	0	HIVEP2
CL357802	RP44_413P3	SP6	6	143093196	143093706	143.09	7.00E-15	LOC345936
CL346155	RP44_270E3	T7	6	143128119	143128372	143.13	1.00E-62	NA
CL409716	RP44_417N18	T7	6	143211621	143212053	143.21	e-165	NA
CL371880	RP44_304N1	SP6	6	143490288	143490801	143.49	2.00E-09	AIG-1
CL409993	RP44_418K22	T7	6	143542450	143542998	143.54	3.00E-63	AIG-1
CL322699	RP44_416K8	SP6	6	143579008	143579314	143.58	4.00E-43	AIG-1
CL410082	RP44_418K22	SP6	6	143745216	143745276	143.75	2.00E-08	PEX3
CL371349	RP44_302N7	T7	6	143864315	143864813	143.86	e-129	KIAA0680
CL322560	RP44_405L5	SP6	6	143882360	143882948	143.88	7.00E-23	KIAA0680
CL333888	RP44_250F9	SP6	6	143899482	143899874	143.90	7.00E-18	KIAA0680
CL331026	CH242_6D15	T7	6	144025077	144025397	144.03	2.00E-83	KIAA0680
CL340654	RP44_257F18	SP6	6	144268270	144268956	144.27	2.00E-08	NA
CL408441	RP44_415K2	SP6	6	144283851	144284207	144.28	1.00E-62	NA
CL324130	RP44_463J10	T7	6	144630110	144630310	144.63	1.00E-18	UTRN
CL377691	RP44_457A2	T7	6	144655751	144656317	144.66	4.00E-47	UTRN
CL323034	RP44_455F14	T7	6	144660851	144660999	144.66	8.00E-20	UTRN
CL377773	RP44_457A2	SP6	6	144825010	144825060	144.83	4.00E-07	UTRN
CL374088	RP44_469D13	SP6	6	144845297	144845618	144.85	8.00E-36	UTRN
CL367404	RP44_367G18	SP6	6	144873341	144873433	144.87	4.00E-13	UTRN
CL347992	RP44_273F20	T7	6	144934702	144934880	144.93	4.00E-74	UTRN
CL360601	RP44_340B14	T7	6	145009134	145009212	145.01	2.00E-14	UTRN
CL374000	RP44_469D13	T7	6	145034986	145035325	145.04	9.00E-85	UTRN
CL367326	RP44_367G18	T7	6	145036378	145036864	145.04	2.00E-21	UTRN
CL368281	RP44_288B4	SP6	6	145062719	145062777	145.06	3.00E-07	UTRN
CL348066	RP44_273F20	SP6	6	145152134	145152666	145.15	1.00E-13	NA
CL376984	RP44_449E7	SP6	6	145196921	145196960	145.20	9.00E-08	LOC349007
CL350195	RP44_310O16	SP6	6	145197667	145198055	145.20	2.00E-55	LOC349007
CL387436	RP44_281K22	SP6	6	145517488	145517727	145.52	2.00E-12	NA
CL362825	RP44_380J4	T7	6	145757680	145757906	145.76	3.00E-10	LOC285742

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL410326	RP44_419A19	T7	6	145894527	145894590	145.89	5.00E-15	EPM2A
CL380883	RP44_314D5	T7	6	146054684	146055271	146.05	1.00E-28	FBXO30
CL372232	RP44_305F15	T7	6	146068739	146068906	146.07	8.00E-15	FBXO30
CL411525	RP44_422I12	T7	6	146085476	146085526	146.09	7.00E-12	NA
CL351149	RP44_312A11	T7	6	146141071	146141306	146.14	2.00E-11	KIAA2023
CL340918	RP44_258N8	T7	6	146244020	146244095	146.24	2.00E-12	NA
CL372316	RP44_305F15	SP6	6	146244020	146244577	146.24	2.00E-12	NA
CL351235	RP44_312A11	SP6	6	146313022	146313238	146.31	7.00E-97	GRM1
CL321721	CH242_13B17	T7	6	146341917	146341990	146.34	7.00E-09	GRM1
CL375902	RP44_441G10	T7	6	146370975	146371042	146.37	2.00E-10	GRM1
CL361711	RP44_351D11	T7	6	146440205	146440481	146.44	2.00E-68	GRM1
CL320813	CH242_13B17	SP6	6	146551872	146551919	146.55	9.00E-08	GRM1
CL364782	RP44_398N13	SP6	6	146614627	146614817	146.61	6.00E-06	GRM1
CL374869	RP44_470J10	T7	6	146646150	146646394	146.65	6.00E-06	GRM1
CL379395	RP44_426D5	SP6	6	146654139	146654390	146.65	8.00E-19	GRM1
CL359220	RP44_335L10	SP6	6	146772422	146772856	146.77	2.00E-12	NA
CL409161	RP44_416P22	T7	6	146772422	146772856	146.77	2.00E-12	NA
CL335897	RP44_254L16	T7	6	146920061	146920511	146.92	1.00E-16	FLJ23121
CL338222	RP44_265N22	T7	6	146990122	146990299	146.99	6.00E-40	FLJ23121
CL368776	RP44_289F3	SP6	6	147031586	147031711	147.03	2.00E-30	FLJ23121
CL336641	RP44_263M20	T7	6	147164400	147164563	147.16	1.00E-07	LOC345941
CL364493	RP44_396L7	SP6	6	147330946	147331160	147.33	3.00E-16	LOC345944
CL323091	RP44_455N2	T7	6	147495989	147496088	147.50	2.00E-11	STXBP5
CL367116	RP44_364E7	SP6	6	147861084	147861753	147.86	2.00E-08	NA
CL330541	CH242_4E11	SP6	6	147956182	147956343	147.96	2.00E-33	LOC345950
CL330422	CH242_3F4	SP6	6	148044364	148044750	148.04	6.00E-25	LOC345951
CL330492	CH242_4E11	T7	6	148130104	148130408	148.13	6.00E-23	LOC352034
CL328580	RP44_248L8	T7	6	148202591	148202666	148.20	1.00E-07	LOC345952
CL347983	RP44_273D20	T7	6	148300973	148301169	148.30	5.00E-21	NA
CL333075	RP44_248L8	SP6	6	148336736	148336833	148.34	5.00E-28	NA
CL413881	RP44_435O14	T7	6	148524206	148524303	148.52	4.00E-07	LOC345954
CL389497	RP44_286H22	T7	6	148709264	148709347	148.71	1.00E-05	KIAA0790
CL351505	RP44_313G11	T7	6	148718580	148718640	148.72	3.00E-08	KIAA0790
CL328730	RP44_370N10	T7	6	149004719	149004769	149.00	2.00E-07	UST
CL320323	CH242_6B4	SP6	6	149085005	149085329	149.09	1.00E-28	UST
CL333413	RP44_249J20	T7	6	149293459	149293739	149.29	2.00E-89	UST
CL335794	RP44_254E13	SP6	6	149335738	149336262	149.34	7.00E-30	LOC352036
CL333587	RP44_250A11	SP6	6	149404144	149404279	149.40	7.00E-08	NA
CL362560	RP44_380M5	T7	6	149404144	149404279	149.40	9.00E-08	NA
CL365530	RP44_353P6	SP6	6	149632025	149632109	149.63	6.00E-06	MAP3K71P2
CL352077	RP44_313F16	SP6	6	150370324	150370458	150.37	3.00E-17	NA
CL346216	RP44_270C5	SP6	6	150419919	150420396	150.42	2.00E-12	PPP1R14C
CL360911	RP44_343O11	T7	6	150817888	150818202	150.82	3.00E-10	NA
CL369186	RP44_290E6	T7	6	150899480	150899517	150.90	7.00E-09	LOC345834
CL381981	RP44_323E8	T7	6	151115225	151115267	151.12	8.00E-12	KIAA1209
CL341419	RP44_260J5	SP6	6	151117244	151117552	151.12	5.00E-28	KIAA1209
CL385019	RP44_330K3	T7	6	151235300	151235506	151.24	4.00E-22	DKFZP586G1517
CL408916	RP44_416K17	SP6	6	151301791	151301878	151.30	4.00E-10	DKFZP586G1517
CL362208	RP44_375D8	T7	6	151553361	151553413	151.55	5.00E-06	AKAP12
CL349502	RP44_309A6	SP6	6	151778902	151779007	151.78	6.00E-09	FLJ23305
CL349508	RP44_309C4	SP6	6	151778902	151779007	151.78	6.00E-09	FLJ23305
CL354961	RP44_408H9	SP6	6	152034423	152034610	152.03	6.00E-18	NA
CL342805	RP44_275N24	T7	6	152227168	152227257	152.23	2.00E-06	ESR1
CL361293	RP44_350I17	T7	6	152406913	152407224	152.41	e-124	SYNE1
CL361368	RP44_350I17	SP6	6	152406925	152407224	152.41	e-120	SYNE1
CL375158	RP44_471C8	T7	6	152425865	152425952	152.43	3.00E-29	SYNE1
CL390330	RP44_288C24	SP6	6	152594680	152595203	152.59	4.00E-10	SYNE1
CL390110	RP44_288G19	T7	6	152613902	152613981	152.61	4.00E-07	SYNE1
CL325212	RP44_479J17	T7	6	152787273	152787397	152.79	8.00E-40	SYNE1
CL408447	RP44_415K16	SP6	6	152846105	152846383	152.85	6.00E-09	SYNE1
CL380115	RP44_428L5	SP6	6	152924054	152924523	152.92	4.00E-25	NA
CL320506	CH242_10D16	SP6	6	152976226	152976280	152.98	7.00E-12	FLJ21269
CL358805	RP44_415K16	T7	6	153089831	153089972	153.09	6.00E-12	LOC345841
CL362153	RP44_375C15	SP6	6	153210330	153210367	153.21	1.00E-06	NA
CL409132	RP44_416J6	T7	6	153286053	153286622	153.29	3.00E-60	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL384839	RP44_329N19	SP6	6	153299084	153299148	153.30	2.00E-08	RGS17
CL379330	RP44_426F21	T7	6	153577930	153577998	153.58	2.00E-08	NA
CL334958	RP44_252K10	SP6	6	154489680	154490116	154.49	1.00E-15	OPRM1
CL347728	RP44_273O1	T7	6	154523814	154524009	154.52	3.00E-23	NA
CL367919	RP44_374P1	T7	6	154565644	154565704	154.57	5.00E-06	NA
CL327722	RP44_246E22	SP6	6	154727011	154727159	154.73	8.00E-08	FLJ31349
CL386022	RP44_332F24	T7	6	154898052	154898330	154.90	5.00E-49	NA
CL344620	RP44_278J10	SP6	6	154925012	154925104	154.93	3.00E-20	NA
CL329584	RP44_394J5	T7	6	155080683	155080715	155.08	5.00E-06	KIAA1116
CL324792	RP44_478K5	SP6	6	155103434	155103502	155.10	6.00E-16	KIAA1116
CL342492	RP44_262C20	SP6	6	155108198	155108663	155.11	e-145	KIAA1116
CL321562	CH242_13C16	T7	6	155246698	155246736	155.25	6.00E-06	NA
CL413508	RP44_433K12	SP6	6	155250023	155250082	155.25	4.00E-10	NA
CL321647	CH242_13C16	SP6	6	155434425	155434626	155.43	2.00E-30	TIAM2
CL413422	RP44_433K12	T7	6	155472938	155473322	155.47	7.00E-09	TIAM2
CL320600	CH242_10N2	SP6	6	155578929	155578994	155.58	7.00E-06	TFB1M
CL378694	RP44_424J22	SP6	6	155698661	155698730	155.70	2.00E-23	NOX3
CL336919	RP44_263F24	T7	6	155717400	155717939	155.72	1.00E-47	NOX3
CL361906	RP44_353M5	T7	6	155760306	155760516	155.76	4.00E-50	NA
CL412345	RP44_430F24	SP6	6	155818368	155818776	155.82	4.00E-44	NA
CL358521	RP44_414D12	SP6	6	155837504	155837794	155.84	5.00E-31	NA
CL337000	RP44_263F24	SP6	6	155863291	155863411	155.86	9.00E-11	NA
CL358437	RP44_414D12	T7	6	156021758	156022112	156.02	2.00E-98	NA
CL357487	RP44_413O21	SP6	6	156022528	156022656	156.02	3.00E-25	NA
CL357486	RP44_413O19	SP6	6	156022528	156022857	156.02	4.00E-25	NA
CL348586	RP44_275A15	T7	6	156022528	156023135	156.02	2.00E-55	NA
CL348663	RP44_275A15	SP6	6	156222162	156222369	156.22	4.00E-07	NA
CL411213	RP44_420P3	T7	6	156271904	156272090	156.27	1.00E-12	LOC345850
CL411298	RP44_420P3	SP6	6	156493156	156493577	156.49	4.00E-84	NA
CL373709	RP44_469K23	T7	6	156812009	156812669	156.81	e-127	NA
CL373797	RP44_469K23	SP6	6	156996221	156996267	157.00	6.00E-12	NA
CL439641	RP44_297B13	T7	6	157110079	157110305	157.11	6.00E-79	ELD/OSA1
CL347495	RP44_272D13	SP6	6	157150973	157151073	157.15	6.00E-15	ELD/OSA1
CL380610	RP44_429E12	SP6	6	157176160	157176615	157.18	4.00E-99	ELD/OSA1
CL362104	RP44_353L3	SP6	6	157177592	157178089	157.18	1.00E-74	ELD/OSA1
CL348783	RP44_275I12	T7	6	157272362	157272429	157.27	2.00E-12	ELD/OSA1
CL326041	RP44_242D8	SP6	6	157346671	157346763	157.35	7.00E-15	ELD/OSA1
CL344901	RP44_279A20	SP6	6	157355516	157355577	157.36	5.00E-16	ELD/OSA1
CL345415	RP44_280G15	SP6	6	157367658	157368232	157.37	2.00E-70	ELD/OSA1
CL324318	RP44_474M6	T7	6	157367658	157368232	157.37	9.00E-73	ELD/OSA1
CL335165	RP44_253C21	T7	6	157392105	157392549	157.39	2.00E-42	ELD/OSA1
CL350196	RP44_310O18	SP6	6	157392675	157393017	157.39	4.00E-75	ELD/OSA1
CL382708	RP44_325G9	T7	6	157419407	157419699	157.42	e-115	ELD/OSA1
CL348874	RP44_275I12	SP6	6	157427723	157427915	157.43	4.00E-44	ELD/OSA1
CL363044	RP44_383C17	SP6	6	158412794	158412866	158.41	1.00E-07	FLJ14917
CL343362	RP44_276J1	SP6	6	158456582	158456735	158.46	3.00E-11	NA
CL389306	RP44_286B7	T7	6	158607392	158607452	158.61	1.00E-06	TUSP
CL361655	RP44_351I7	SP6	6	159227477	159227517	159.23	6.00E-06	NA
CL361569	RP44_351I7	T7	6	159227477	159227517	159.23	6.00E-06	NA
CL375662	RP44_436D22	T7	6	159317060	159317113	159.32	2.00E-06	NA
CL375744	RP44_436D22	SP6	6	159505938	159506000	159.51	6.00E-12	KIAA1866
CL347940	RP44_273K4	SP6	6	159562871	159562968	159.56	9.00E-14	NA
CL378813	RP44_425C13	SP6	6	159793392	159793453	159.79	1.00E-06	NA
CL326757	RP44_244O5	SP6	6	160257752	160257836	160.26	3.00E-18	IGF2R
CL372218	RP44_305D9	T7	6	161215259	161215470	161.22	2.00E-24	LOC346073
CL412233	RP44_430B2	T7	6	161303449	161304030	161.30	0	MAP3K4
CL362045	RP44_353N5	T7	6	161304204	161304451	161.30	9.00E-82	MAP3K4
CL362056	RP44_353P3	T7	6	161304204	161304451	161.30	2.00E-79	MAP3K4
CL413700	RP44_435C11	T7	6	161640503	161640719	161.64	5.00E-25	PARK2
CL408954	RP44_416D19	SP6	6	161798225	161798340	161.80	6.00E-27	PARK2
CL413897	RP44_435C12	SP6	6	161815494	161815575	161.82	2.00E-06	PARK2
CL332716	CH242_12M10	T7	6	161970687	161971043	161.97	2.00E-33	PARK2
CL388403	RP44_284B22	T7	6	161988038	161988142	161.99	9.00E-11	PARK2
CL412557	RP44_431A6	T7	6	162873008	162873354	162.87	e-119	PARK2
CL357582	RP44_413C2	SP6	6	162909908	162910054	162.91	1.00E-15	PARK2

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CL356150	RP44_410F22	SP6	6	162990123	162990499	162.99	2.00E-45	PACRG
CL366150	RP44_358O6	SP6	6	163291081	163291183	163.29	3.00E-17	PACRG
CL411840	RP44_430C5	SP6	6	163354066	163354177	163.35	2.00E-08	PACRG
CL413334	RP44_432L18	SP6	6	163507140	163507220	163.51	1.00E-10	PACRG
CL366095	RP44_358C6	SP6	6	163508803	163508952	163.51	2.00E-20	PACRG
CL358547	RP44_414H22	SP6	6	163508807	163508952	163.51	6.00E-18	PACRG
CL366033	RP44_358C6	T7	6	163704143	163704222	163.70	1.00E-12	QKI
CL360416	RP44_339E14	SP6	6	163746018	163746100	163.75	2.00E-09	QKI
CL410455	RP44_419O21	SP6	6	163927837	163928089	163.93	2.00E-75	NA
CL345404	RP44_280E15	SP6	6	163938413	163938517	163.94	3.00E-08	NA
CL378518	RP44_424N15	T7	6	164018587	164018810	164.02	7.00E-15	NA
CL354195	RP44_405P4	T7	6	164155319	164155412	164.16	8.00E-13	LOC352084
CL349999	RP44_310I7	SP6	6	165577311	165577547	165.58	6.00E-12	NA
CL348200	RP44_274A23	SP6	6	165586188	165586277	165.59	3.00E-20	PDE10A
CL358446	RP44_414F8	T7	6	165586188	165586277	165.59	1.00E-25	PDE10A
CL337093	RP44_264I1	T7	6	165696010	165696288	165.70	5.00E-08	PDE10A
CL324257	RP44_474G12	SP6	6	166026962	166027144	166.03	2.00E-12	NA
CL344841	RP44_279E20	T7	6	166161795	166162003	166.16	1.00E-13	NA
CL363647	RP44_388L6	SP6	6	166417214	166417295	166.42	2.00E-14	NA
CL385076	RP44_330G17	SP6	6	169521267	169521300	169.52	1.00E-06	LOC253769
CL363193	RP44_383C4	SP6	6	170104772	170104805	170.10	1.00E-06	NA
CL366336	RP44_358H14	T7	7	1972628	1979990	1.98	3.00E-08	MAD1L1
CL327664	RP44_246I24	T7	7	2864840	2865430	2.87	2.00E-15	NA
CL340951	RP44_258D20	SP6	7	2865258	2865448	2.87	1.00E-16	NA
CL362364	RP44_377E6	T7	7	4148290	4148367	4.15	2.00E-06	LOC352244
CL367214	RP44_365K7	T7	7	5173114	5173474	5.17	3.00E-19	LOC285923
CL330076	CH242_3A24	SP6	7	5384280	5384407	5.38	6.00E-34	TRIAD3
CL355827	RP44_410G18	SP6	7	5454073	5454344	5.45	8.00E-29	TRIAD3
CL323233	RP44_457H20	SP6	7	5466634	5466819	5.47	4.00E-37	TRIAD3
CL324607	RP44_476C2	SP6	7	5741918	6485381	6.11	2.00E-17	PMS2
CL324606	RP44_476C2	T7	7	5927784	5927850	5.93	1.00E-09	PSCD3
CL379761	RP44_428G11	SP6	7	6102429	6102526	6.10	4.00E-07	LOC221953
CL344935	RP44_279I8	SP6	7	7067521	7067815	7.07	7.00E-46	NA
CL374992	RP44_471C17	T7	7	7322050	7322190	7.32	2.00E-15	FLJ20323
CL329160	RP44_382J14	SP6	7	7417221	7417253	7.42	4.00E-06	RP3
CL323543	RP44_458M12	SP6	7	7516138	7516352	7.52	1.00E-36	GLCC1
CL372547	RP44_306D1	T7	7	7537801	7537882	7.54	1.00E-13	GLCC1
CL320866	CH242_13L21	SP6	7	7606700	7606776	7.61	8.00E-18	GLCC1
CL328917	RP44_382B1	SP6	7	7608473	7609006	7.61	8.00E-15	GLCC1
CL376121	RP44_443I20	T7	7	7633255	7633685	7.63	2.00E-73	GLCC1
CL372633	RP44_306D1	SP6	7	7733954	7734774	7.73	2.00E-70	GLCC1
CL349632	RP44_309N7	T7	7	7733954	7734774	7.73	2.00E-70	GLCC1
CL382349	RP44_323N10	SP6	7	7764531	7765085	7.76	2.00E-12	GLCC1
CL375730	RP44_436B14	SP6	7	7764531	7765085	7.76	1.00E-12	GLCC1
CL368152	RP44_288F11	SP6	7	7860905	7860980	7.86	1.00E-10	NA
CL342165	RP44_261B14	SP6	7	7860905	7861018	7.86	3.00E-20	NA
CL334655	RP44_251J4	SP6	7	7910395	7910567	7.91	9.00E-23	ICA1
CL364127	RP44_396M5	T7	7	7997763	7998288	8.00	5.00E-18	ICA1
CL364214	RP44_396M5	SP6	7	8190345	8190728	8.19	e-112	NXP1
CL330017	CH242_3G18	T7	7	8294689	8294986	8.29	5.00E-19	NXP1
CL410586	RP44_419F19	T7	7	8370825	8371254	8.37	6.00E-09	NXP1
CL387170	RP44_281E3	T7	7	8377826	8378275	8.38	6.00E-34	NXP1
CL351324	RP44_312I14	T7	7	8404408	8404497	8.40	3.00E-11	NXP1
CL372406	RP44_305H16	T7	7	8606762	8607427	8.61	e-114	NA
CL380889	RP44_314D17	T7	7	8682968	8683350	8.68	1.00E-56	LOC346368
CL327637	RP44_246E4	T7	7	8752873	8753221	8.75	8.00E-60	NA
CL414416	RP44_436D23	SP6	7	8942215	8942303	8.94	3.00E-13	NA
CL382565	RP44_324H11	T7	7	9162573	9162912	9.16	8.00E-24	NA
CL360120	RP44_338H2	SP6	7	9307766	9308072	9.31	4.00E-50	NA
CL386078	RP44_332B20	SP6	7	9556446	9557012	9.56	e-172	LOC346371
CL362902	RP44_380J8	SP6	7	9591637	9591749	9.59	4.00E-06	LOC346371
CL354602	RP44_408G11	T7	7	9591637	9591749	9.59	6.00E-06	LOC346371
CL320196	CH242_2K21	T7	7	9621171	9621236	9.62	1.00E-18	NA
CL373851	RP44_469E22	T7	7	9710062	9710361	9.71	6.00E-31	NA
CL340808	RP44_258D23	SP6	7	10062167	10062659	10.06	e-102	NA

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CL387919	RP44_283M17	SP6	7	10072690	10072923	10.07	2.00E-52	NA
CL348370	RP44_274D19	SP6	7	10359513	10359565	10.36	3.00E-08	NA
CL380574	RP44_429O2	T7	7	10707234	10707561	10.71	3.00E-88	NA
CL381159	RP44_314J16	SP6	7	10841925	10842095	10.84	5.00E-07	KIAA0783
CL366311	RP44_358D4	T7	7	10855702	10856067	10.86	e-127	KIAA0783
CL365590	RP44_354M13	T7	7	10860350	10860771	10.86	1.00E-74	KIAA0783
CL389461	RP44_286B8	T7	7	10896657	10896712	10.90	9.00E-08	KIAA0783
CL365115	RP44_400J19	T7	7	11047449	11047482	11.05	2.00E-06	NA
CL366067	RP44_358K4	T7	7	11129057	11129634	11.13	3.00E-72	KIAA0960
CL346346	RP44_270N15	T7	7	11129059	11129260	11.13	4.00E-71	KIAA0960
CL351931	RP44_313J21	SP6	7	11172420	11172517	11.17	3.00E-14	KIAA0960
CL339169	RP44_268K24	SP6	7	11292102	11292283	11.29	1.00E-16	KIAA0960
CL346422	RP44_270N15	SP6	7	11328147	11328259	11.33	9.00E-23	KIAA0960
CL343744	RP44_277E14	T7	7	11457178	11457827	11.46	4.00E-97	KIAA0960
CL363903	RP44_392M4	SP6	7	11476237	11476678	11.48	2.00E-76	KIAA0960
CL376294	RP44_444C7	T7	7	11673185	11673214	11.67	1.00E-06	NA
CL330784	CH242_4B24	SP6	7	11787069	11787162	11.79	2.00E-08	NA
CL354688	RP44_408M3	SP6	7	11843178	11843612	11.84	4.00E-96	NA
CL325602	RP44_241N10	T7	7	11979293	11979389	11.98	8.00E-11	FLJ11273
CL353469	RP44_403E3	SP6	7	12029008	12029146	12.03	5.00E-09	NA
CL329357	RP44_386P18	T7	7	12347241	12347325	12.35	8.00E-11	SCIN
CL325283	RP44_241E11	T7	7	12374962	12375120	12.38	2.00E-46	SCIN
CL346764	RP44_271B21	T7	7	12626248	12626361	12.63	4.00E-07	LOC346376
CL346846	RP44_271B21	SP6	7	12778124	12778174	12.78	6.00E-12	NA
CL358868	RP44_335E4	SP6	7	12865554	12865725	12.87	3.00E-20	NA
CL380858	RP44_314M16	SP6	7	12910654	12910831	12.91	2.00E-61	NA
CL336894	RP44_263B8	T7	7	12977079	12977124	12.98	2.00E-06	NA
CL331412	CH242_7B13	SP6	7	13029643	15403491	14.22	5.00E-06	MEOX2
CL409354	RP44_417K13	SP6	7	13073665	13073719	13.07	7.00E-12	NA
CL367582	RP44_367J19	SP6	7	13129920	13129981	13.13	2.00E-06	NA
CL382088	RP44_323I10	SP6	7	13191863	13191919	13.19	1.00E-10	LOC352253
CL378676	RP44_424F14	SP6	7	13193519	13193587	13.19	6.00E-06	LOC352253
CL409276	RP44_417K13	T7	7	13216912	13217577	13.22	0	NA
CL330964	CH242_6E17	SP6	7	13259762	13259843	13.26	6.00E-07	LOC352254
CL367500	RP44_367J19	T7	7	13282090	13282388	13.28	5.00E-96	LOC352254
CL360077	RP44_338N11	SP6	7	13609502	13609760	13.61	6.00E-09	LOC221808
CL338697	RP44_267M11	T7	7	13654648	13654807	13.65	7.00E-18	ETV1
CL388383	RP44_284N21	SP6	7	14005102	14005345	14.01	6.00E-18	DGKB
CL408458	RP44_415M16	SP6	7	14149642	14149811	14.15	2.00E-36	DGKB
CL360656	RP44_340N10	T7	7	14333003	14333605	14.33	1.00E-47	DGKB
CL413252	RP44_432L8	T7	7	14408064	14408183	14.41	5.00E-25	DGKB
CL325851	RP44_242A10	SP6	7	14505141	14505217	14.51	7.00E-18	DGKB
CL360725	RP44_340N10	SP6	7	14507602	14507642	14.51	7.00E-06	DGKB
CL342249	RP44_262C7	T7	7	14587604	14587803	14.59	1.00E-07	DGKB
CL325691	RP44_242A9	T7	7	14684735	14684921	14.68	7.00E-20	LOC352255
CL357736	RP44_413B7	SP6	7	14766801	14767153	14.77	6.00E-77	LOC340271
CL357656	RP44_413B7	T7	7	14970825	14971366	14.97	4.00E-84	LOC221813
CL413399	RP44_433G8	T7	7	15332936	15333101	15.33	3.00E-17	NA
CL380362	RP44_429G17	T7	7	15370563	15370717	15.37	6.00E-21	MEOX2
CL371075	RP44_301E1	SP6	7	15412280	15412763	15.41	e-101	MEOX2
CL340354	RP44_257A14	SP6	7	15584587	15584711	15.58	1.00E-15	NA
CL370627	RP44_296E19	T7	7	15769861	15769922	15.77	9.00E-07	NA
CL370706	RP44_296E19	SP6	7	15965360	15965539	15.97	7.00E-14	NA
CL383856	RP44_327E2	SP6	7	16012068	16012112	16.01	7.00E-06	LOC346379
CL364600	RP44_396H20	SP6	7	16051315	16051663	16.05	7.00E-73	LOC346379
CL364599	RP44_396H18	SP6	7	16051316	16051663	16.05	2.00E-72	LOC346379
CL355466	RP44_409D18	T7	7	16373212	16373499	16.37	2.00E-15	DKFZP564O043
CL365413	RP44_353H6	T7	7	16399318	16399471	16.40	3.00E-19	BZW2
CL347445	RP44_272H17	T7	7	16399334	16399471	16.40	1.00E-11	BZW2
CL320228	CH242_2G24	T7	7	16488926	16488974	16.49	5.00E-06	NA
CL378295	RP44_423H8	SP6	7	16555201	16555358	16.56	8.00E-10	AGR2
CL350849	RP44_311H3	T7	7	16561864	16561989	16.56	2.00E-18	AGR2
CL347520	RP44_272H17	SP6	7	16561906	16561946	16.56	5.00E-06	AGR2
CL378050	RP44_422H18	SP6	7	16641678	16641780	16.64	4.00E-07	NA
CL332097	CH242_10K9	SP6	7	16727991	16728136	16.73	1.00E-28	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL413909	RP44_435E22	SP6	7	16728526	16728795	16.73	7.00E-12	NA
CL351904	RP44_313F3	SP6	7	16805394	16805907	16.81	4.00E-66	NA
CL337550	RP44_264H16	T7	7	16880814	16881081	16.88	2.00E-08	NA
CL330244	CH242_3B21	SP6	7	16962516	16963215	16.96	3.00E-39	LOC346382
CL320320	CH242_2P23	T7	7	16984443	16984637	16.98	1.00E-55	LOC346382
CL373476	RP44_308N17	SP6	7	17024545	17024910	17.02	4.00E-90	NA
CL373449	RP44_308H17	SP6	7	17024545	17024998	17.02	1.00E-90	NA
CL367335	RP44_367I14	T7	7	17172508	17172594	17.17	7.00E-12	NA
CL408885	RP44_416E9	SP6	7	17187038	17187645	17.19	4.00E-15	NA
CL358821	RP44_415O4	T7	7	17294030	17294101	17.29	1.00E-10	NA
CL334141	RP44_251I21	T7	7	17295245	17295638	17.30	2.00E-33	NA
CL371652	RP44_304O20	T7	7	17374063	17374658	17.37	4.00E-44	NA
CL408462	RP44_415O4	SP6	7	17472877	17473221	17.47	1.00E-37	LOC346384
CL326019	RP44_242N23	SP6	7	17580981	17581087	17.58	2.00E-17	SNX13
CL363224	RP44_383I6	SP6	7	17657753	17657797	17.66	3.00E-08	SNX13
CL347274	RP44_272G14	T7	7	17799188	17799332	17.80	4.00E-07	NA
CL363146	RP44_383I6	T7	7	17843372	17843636	17.84	1.00E-71	LOC221825
CL329198	RP44_382N14	T7	7	17972242	17972799	17.97	1.00E-40	NA
CL347359	RP44_272G14	SP6	7	17986312	17986501	17.99	8.00E-24	NA
CL439705	RP44_297P13	T7	7	17989982	17990157	17.99	1.00E-18	NA
CL354122	RP44_405M18	SP6	7	17994976	17995227	18.00	8.00E-29	NA
CL340788	RP44_258P23	T7	7	18131200	18131327	18.13	2.00E-06	LOC346387
CL380810	RP44_314E2	SP6	7	18162836	18162955	18.16	3.00E-08	LOC346387
CL335309	RP44_253E20	T7	7	18176045	18176131	18.18	2.00E-07	LOC346387
CL340863	RP44_258P23	SP6	7	18286936	18287415	18.29	1.00E-10	HDAC9
CL336362	RP44_262N6	SP6	7	18338013	18338239	18.34	3.00E-20	HDAC9
CL384117	RP44_328L19	T7	7	18400667	18400951	18.40	2.00E-89	HDAC9
CL387287	RP44_281M17	SP6	7	18465656	18466204	18.47	9.00E-76	HDAC9
CL335992	RP44_255A9	T7	7	18513894	18514205	18.51	2.00E-06	HDAC9
CL371012	RP44_301E13	T7	7	18681014	18681076	18.68	3.00E-07	HDAC9
CL330329	CH242_3D2	T7	7	18808461	18808534	18.81	3.00E-11	NA
CL371081	RP44_301E13	SP6	7	18863326	18863465	18.86	1.00E-09	LOC285934
CL367319	RP44_367E24	T7	7	18878274	18878327	18.88	6.00E-09	NA
CL330409	CH242_3D2	SP6	7	18965310	18965809	18.97	e-154	LOC346388
CL384373	RP44_328P4	SP6	7	19006475	19006848	19.01	7.00E-74	LOC346388
CL349726	RP44_309B2	T7	7	19082592	19082782	19.08	1.00E-06	LOC346388
CL339812	RP44_256M7	SP6	7	19215251	19215387	19.22	5.00E-09	NA
CL339401	RP44_268L14	T7	7	19276639	19277095	19.28	e-108	NA
CL343548	RP44_276N8	SP6	7	19320359	19320416	19.32	1.00E-13	NA
CL379999	RP44_428D9	T7	7	19492853	19492906	19.49	1.00E-06	MGC42090
CL369593	RP44_292E13	T7	7	19521596	19521696	19.52	2.00E-10	MGC42090
CL329830	CH242_3C23	T7	7	19555229	19555591	19.56	3.00E-23	NA
CL380078	RP44_428D9	SP6	7	19682775	19682884	19.68	3.00E-16	NA
CL353004	RP44_402I1	SP6	7	19682993	19683275	19.68	9.00E-27	NA
CL345539	RP44_280A8	SP6	7	19766598	19766794	19.77	1.00E-07	NA
CL321585	CH242_13G14	T7	7	19857544	19857594	19.86	2.00E-09	NA
CL387106	RP44_280J2	SP6	7	20105557	20105661	20.11	2.00E-20	ITGB8
CL325820	RP44_242G18	T7	7	20109930	20111215	20.11	9.00E-17	ITGB8
CL350921	RP44_311F7	SP6	7	20129740	20129817	20.13	2.00E-06	ITGB8
CL333630	RP44_250K13	SP6	7	20185353	20185576	20.19	1.00E-28	LOC352258
CL325484	RP44_241D17	SP6	7	20218341	20218605	20.22	3.00E-07	LOC346392
CL345824	RP44_280J2	T7	7	20256249	20256577	20.26	7.00E-09	LOC346392
CL383581	RP44_326H8	SP6	7	20386263	20387187	20.39	2.00E-09	NA
CL338341	RP44_266G1	T7	7	20511106	20511365	20.51	7.00E-09	NA
CL366747	RP44_362B20	T7	7	20629370	20629733	20.63	e-145	NA
CL366450	RP44_362A20	T7	7	20629374	20629671	20.63	e-107	NA
CL351791	RP44_313O8	SP6	7	20863625	20864116	20.86	1.00E-10	NA
CL351545	RP44_313O7	T7	7	20935756	20935820	20.94	3.00E-08	LOC346396
CL384725	RP44_329F17	T7	7	21176831	21177274	21.18	e-102	NA
CL389887	RP44_287I16	SP6	7	21369886	21370032	21.37	6.00E-55	DNAH11
CL364755	RP44_398H11	SP6	7	21385771	21386043	21.39	2.00E-66	DNAH11
CL359357	RP44_336H17	SP6	7	21392733	21392841	21.39	2.00E-15	DNAH11
CL411496	RP44_422C12	T7	7	21537181	21537523	21.54	e-129	DNAH11
CL359279	RP44_336H17	T7	7	21555873	21556241	21.56	e-132	DNAH11
CL333837	RP44_250J17	T7	7	21578783	21579132	21.58	2.00E-27	DNAH11

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL350801	RP44_311M12	SP6	7	21657157	21657251	21.66	6.00E-09	DKFZp762L0311
CL380641	RP44_429K8	SP6	7	21737090	21737210	21.74	1.00E-13	NA
CL325714	RP44_242G21	T7	7	21752675	21752880	21.75	5.00E-24	NA
CL377608	RP44_457O23	T7	7	21765887	21766304	21.77	e-117	NA
CL338993	RP44_268A21	SP6	7	21801770	21802065	21.80	e-123	NA
CL380555	RP44_429K8	T7	7	21907796	21907875	21.91	5.00E-15	GFR
CL376295	RP44_444C9	T7	7	21907796	21907881	21.91	2.00E-16	GFR
CL347060	RP44_271N10	SP6	7	21936786	21936965	21.94	3.00E-16	GFR
CL366283	RP44_358N5	SP6	7	21937258	21937305	21.94	1.00E-07	GFR
CL325882	RP44_242G22	SP6	7	21953978	21954137	21.95	2.00E-08	LOC285936
CL377690	RP44_457O23	SP6	7	21966190	21966232	21.97	6.00E-12	LOC285936
CL354856	RP44_408D15	T7	7	22065897	22065963	22.07	1.00E-07	LOC285936
CL343531	RP44_276J16	SP6	7	22096404	22096904	22.10	6.00E-40	NA
CL366216	RP44_358N5	T7	7	22114097	22114203	22.11	5.00E-12	NA
CL343660	RP44_277C15	SP6	7	22290584	22290743	22.29	2.00E-06	LOC346401
CL354943	RP44_408D15	SP6	7	22290596	22290743	22.29	2.00E-08	LOC346401
CL325171	RP44_479B17	SP6	7	22446264	22446458	22.45	5.00E-49	NA
CL342267	RP44_262G7	T7	7	22520924	22526549	22.52	2.00E-09	LOC285938
CL333011	CH242_12J6	SP6	7	22690710	22690797	22.69	1.00E-10	DRCTNNB1A
CL353142	RP44_402E6	SP6	7	22896415	22896453	22.90	1.00E-09	SBBI26
CL353064	RP44_402E6	T7	7	23048830	23048921	23.05	1.00E-16	LOC115416
CL333737	RP44_250C20	SP6	7	23295062	23295093	23.30	7.00E-08	NA
CL362078	RP44_353D21	SP6	7	23533384	23533994	23.53	1.00E-40	STK31
CL365402	RP44_353F6	T7	7	23708768	23709163	23.71	2.00E-14	STK31
CL362006	RP44_353D21	T7	7	23791621	23791706	23.79	1.00E-13	NA
CL413147	RP44_432C13	SP6	7	23940384	23940466	23.94	1.00E-07	LOC346405
CL389634	RP44_287E15	T7	7	23950364	23950448	23.95	4.00E-13	LOC346405
CL413277	RP44_432P14	T7	7	24061308	24062039	24.06	2.00E-68	NA
CL413355	RP44_432P14	SP6	7	24229648	24229758	24.23	7.00E-12	LOC352261
CL336255	RP44_255H7	SP6	7	24236479	24236532	24.24	2.00E-06	LOC352261
CL342260	RP44_262E15	T7	7	24268811	24268914	24.27	7.00E-12	NA
CL345075	RP44_279H15	SP6	7	24311872	24312247	24.31	5.00E-16	NA
CL384754	RP44_329L21	T7	7	24343489	30064555	27.20	1.00E-10	MPP6
CL388735	RP44_285G10	T7	7	24371255	24371712	24.37	1.00E-62	MPP6
CL349785	RP44_309N12	T7	7	24412220	24412321	24.41	4.00E-16	MPP6
CL335741	RP44_254I21	T7	7	24450626	24450733	24.45	2.00E-29	DFNA5
CL372889	RP44_307E4	T7	7	24548062	24548712	24.55	4.00E-35	OSBPL3
CL352148	RP44_314C21	T7	7	24916162	24916372	24.92	2.00E-40	LOC136895
CL339536	RP44_255F2	T7	7	25066174	25066793	25.07	2.00E-71	NA
CL347847	RP44_273G2	T7	7	25096545	25096904	25.10	e-137	LOC346408
CL360918	RP44_343A1	SP6	7	25111956	25112043	25.11	5.00E-21	NA
CL440085	RP44_299F20	T7	7	25111965	25112043	25.11	1.00E-28	NA
CL360846	RP44_343A1	T7	7	25298292	25298654	25.30	e-148	NA
CL350807	RP44_311O4	SP6	7	25363184	25363227	25.36	9.00E-08	LOC346411
CL325508	RP44_241J1	SP6	7	25469701	25469768	25.47	8.00E-08	NA
CL364498	RP44_396L21	SP6	7	25595539	25595841	25.60	1.00E-33	LOC346413
CL345734	RP44_280H9	SP6	7	25725123	25725252	25.73	2.00E-23	NA
CL324475	RP44_474P10	T7	7	25785362	25785412	25.79	5.00E-12	LOC349110
CL364435	RP44_396L21	T7	7	25831052	25831195	25.83	1.00E-16	LOC349110
CL327566	RP44_246E3	SP6	7	26097487	26097715	26.10	5.00E-71	SNX10
CL350960	RP44_311J19	SP6	7	26159311	26159364	26.16	1.00E-06	LOC340281
CL362134	RP44_375M15	T7	7	26292085	26292187	26.29	2.00E-26	NA
CL350867	RP44_311J19	T7	7	26332520	26333149	26.33	0	NA
CL357581	RP44_413A24	SP6	7	26336893	26336961	26.34	3.00E-11	NA
CL371693	RP44_304G22	SP6	7	26352628	26352797	26.35	2.00E-09	LOC352265
CL362191	RP44_375M15	SP6	7	26486451	26486780	26.49	5.00E-46	SCAP2
CL325965	RP44_242N21	T7	7	26507240	26507565	26.51	e-140	SCAP2
CL351587	RP44_313G13	SP6	7	26806878	26807190	26.81	3.00E-08	LOC352266
CL388066	RP44_284O13	SP6	7	26816263	26816479	26.82	4.00E-47	LOC352266
CL378085	RP44_423A4	T7	7	26855958	26856336	26.86	4.00E-55	HOXA3
CL367634	RP44_372E5	T7	7	26899315	26899577	26.90	6.00E-58	LOC285944
CL323462	RP44_458E2	SP6	7	26913828	26914125	26.91	e-107	HOXA9
CL324642	RP44_476E24	SP6	7	27084358	27084416	27.08	3.00E-07	NA
CL329079	RP44_382B12	T7	7	27103882	27104205	27.10	4.00E-83	NA
CL331623	CH242_8M19	SP6	7	27151120	27151190	27.15	9.00E-10	NA

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CL380308	RP44_428N16	SP6	7	27184252	27184321	27.18	6.00E-09	NA
CL352268	RP44_314O11	SP6	7	27279080	27279339	27.28	5.00E-93	HIBADH
CL330851	CH242_4P8	SP6	7	27284889	27285138	27.29	4.00E-13	HIBADH
CL329080	RP44_382B12	SP6	7	27285034	27285567	27.29	0	HIBADH
CL370722	RP44_296I5	SP6	7	27710567	27710802	27.71	3.00E-49	DKFZp761K2222
CL332900	CH242_12D12	T7	7	27914630	27914825	27.91	2.00E-45	DKFZp761K2222
CL346672	RP44_271O6	T7	7	27940919	27941158	27.94	5.00E-25	NA
CL349614	RP44_309H21	T7	7	27940926	27941158	27.94	3.00E-23	NA
CL384362	RP44_328N2	SP6	7	27964626	27964718	27.96	5.00E-06	LOC352268
CL349687	RP44_309H21	SP6	7	28068273	28068319	28.07	4.00E-07	H_GS165L15.1
CL346749	RP44_271O6	SP6	7	28120045	28120566	28.12	6.00E-74	H_GS165L15.1
CL348708	RP44_275K9	SP6	7	28120661	28120792	28.12	1.00E-16	H_GS165L15.1
CL337754	RP44_265A21	SP6	7	28225618	28225675	28.23	1.00E-09	H_GS165L15.1
CL351084	RP44_311F6	SP6	7	28463618	28463900	28.46	3.00E-17	H_GS165L15.1
CL343208	RP44_276I8	SP6	7	28569057	28569309	28.57	2.00E-23	NA
CL351002	RP44_311F6	T7	7	28613589	28613942	28.61	2.00E-17	LOC352270
CL376109	RP44_443E24	T7	7	28749398	28749460	28.75	3.00E-07	CPVL
CL376131	RP44_443K24	T7	7	28749398	28749460	28.75	4.00E-07	CPVL
CL329173	RP44_382L4	T7	7	28963987	28964199	28.96	8.00E-50	CHN2
CL320259	CH242_2D7	T7	7	28988221	28988296	28.99	5.00E-15	CHN2
CL381160	RP44_314J18	SP6	7	28998130	28998970	29.00	7.00E-89	CHN2
CL367966	RP44_374J17	SP6	7	29104716	29104948	29.10	1.00E-12	CHN2
CL339545	RP44_255F22	T7	7	29119353	29119455	29.12	2.00E-12	CHN2
CL387096	RP44_280H6	SP6	7	29121776	29122141	29.12	5.00E-47	CHN2
CL329019	RP44_382L5	SP6	7	29140901	29141013	29.14	5.00E-08	CHN2
CL329174	RP44_382L4	SP6	7	29140928	29141303	29.14	9.00E-07	CHN2
CL355289	RP44_409O8	SP6	7	29141574	29141924	29.14	3.00E-38	CHN2
CL340644	RP44_257D16	SP6	7	29142271	29142430	29.14	2.00E-14	CHN2
CL330419	CH242_3D22	SP6	7	29219772	29220036	29.22	3.00E-08	CHN2
CL322236	RP44_404C10	SP6	7	29314020	29314088	29.31	3.00E-06	LOC222171
CL327676	RP44_246M8	T7	7	29314354	29314610	29.31	2.00E-64	LOC222171
CL354940	RP44_408D9	SP6	7	29432106	32477422	30.95	5.00E-11	NA
CL388079	RP44_284A22	T7	7	29688352	29688597	29.69	2.00E-20	KIAA0193
CL411109	RP44_420G20	SP6	7	29706998	29707170	29.71	8.00E-28	KIAA0193
CL329504	RP44_394O24	T7	7	29727312	29727353	29.73	2.00E-06	KIAA0193
CL344212	RP44_278G22	T7	7	29790660	29791242	29.79	2.00E-12	FAPP2
CL354853	RP44_408D9	T7	7	29839238	29839323	29.84	5.00E-06	FAPP2
CL344292	RP44_278G22	SP6	7	30000121	30000343	30.00	3.00E-22	NA
CL387188	RP44_281I3	T7	7	30076838	30076891	30.08	3.00E-11	LOC223082
CL361835	RP44_351L23	SP6	7	30101786	30101833	30.10	1.00E-07	LOC223082
CL371847	RP44_304F21	SP6	7	30194020	30194126	30.19	5.00E-19	CARD4
CL328390	RP44_248F1	T7	7	30503721	30503969	30.50	1.00E-10	INMT
CL373757	RP44_469E5	SP6	7	30661139	30661597	30.66	7.00E-21	AQP1
CL328465	RP44_248F1	SP6	7	30723680	30723991	30.72	3.00E-26	GHRHR
CL387481	RP44_281F15	T7	7	31101882	31102054	31.10	6.00E-06	LOC349113
CL334326	RP44_251O18	T7	7	31468420	31468788	31.47	5.00E-84	NA
CL332421	CH242_10H7	SP6	7	31535914	31536030	31.54	2.00E-13	PDE1C
CL382909	RP44_325O22	T7	7	31545938	31546036	31.55	4.00E-10	PDE1C
CL366757	RP44_362F6	T7	7	31705540	31705841	31.71	2.00E-09	PDE1C
CL375930	RP44_441B3	T7	7	32320902	32321033	32.32	7.00E-32	NA
CL338280	RP44_265J18	SP6	7	32559580	34698714	33.63	3.00E-12	KIAA0877
CL377073	RP44_449E10	T7	7	32564912	34693693	33.63	3.00E-13	KIAA0877
CL338123	RP44_265L9	SP6	7	32630086	32630204	32.63	4.00E-19	DKFZP566C134
CL360756	RP44_341F24	T7	7	32676277	32847073	32.76	8.00E-08	LOC222136
CL369828	RP44_292K12	T7	7	32796563	32796798	32.80	7.00E-11	NT5C3
CL345105	RP44_279N9	SP6	7	32894810	32894851	32.89	2.00E-06	B1
CL337365	RP44_264O18	SP6	7	32894810	32895371	32.90	2.00E-06	B1
CL372129	RP44_305M9	T7	7	32938141	32938183	32.94	2.00E-07	B1
CL372454	RP44_305B4	SP6	7	32938332	32938832	32.94	5.00E-37	B1
CL363401	RP44_388B15	T7	7	32942452	32942693	32.94	6.00E-09	B1
CL325866	RP44_242C20	SP6	7	33089947	33090216	33.09	4.00E-53	B1
CL363464	RP44_388B15	SP6	7	33119073	33119183	33.12	7.00E-12	B1
CL335248	RP44_253G11	SP6	7	33123805	33123860	33.12	1.00E-12	B1
CL327107	RP44_245M3	T7	7	33123812	33123860	33.12	9.00E-11	B1
CL354518	RP44_407C2	SP6	7	33297662	33297760	33.30	9.00E-10	B1

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL327181	RP44_245M3	SP6	7	33298114	33298628	33.30	7.00E-15	B1
CL335180	RP44_253G11	T7	7	33322856	33326748	33.32	5.00E-37	B1
CL344551	RP44_278L10	T7	7	33322856	33326755	33.32	4.00E-25	B1
CL378914	RP44_425G14	T7	7	33501468	33501501	33.50	1.00E-06	NA
CL385463	RP44_330N4	T7	7	33558305	33558589	33.56	1.00E-13	NA
CL413215	RP44_432O23	SP6	7	33680196	33680309	33.68	1.00E-25	NA
CL378985	RP44_425G14	SP6	7	33682074	33682461	33.68	3.00E-29	NA
CL385544	RP44_330N4	SP6	7	33699699	33699751	33.70	3.00E-08	NA
CL385555	RP44_330P4	SP6	7	33699699	33699751	33.70	2.00E-08	NA
CL380558	RP44_429K14	T7	7	33699699	33699751	33.70	2.00E-08	NA
CL330961	CH242_6E9	SP6	7	33728431	33728768	33.73	3.00E-81	LOC168667
CL331658	CH242_8F19	T7	7	33729338	33729398	33.73	2.00E-08	LOC168667
CL331907	CH242_9G23	SP6	7	33765820	33766085	33.77	9.00E-11	LOC168667
CL322022	RP44_399F13	T7	7	33936943	33937193	33.94	5.00E-25	NA
CL331738	CH242_8F19	SP6	7	33968652	33968992	33.97	3.00E-47	NA
CL377157	RP44_449E10	SP6	7	34430453	34430546	34.43	3.00E-16	LOC346446
CL342647	RP44_262B11	SP6	7	34451505	34451622	34.45	2.00E-18	LOC346446
CL368043	RP44_288M18	SP6	7	35029104	35029250	35.03	2.00E-12	NA
CL384446	RP44_329M3	T7	7	35475813	35476354	35.48	3.00E-17	NA
CL356130	RP44_410B24	SP6	7	35511158	35511235	35.51	4.00E-09	NA
CL354902	RP44_408L19	T7	7	35645803	45473955	40.56	3.00E-11	CDC10
CL381207	RP44_315B19	T7	7	35795225	35795329	35.80	1.00E-27	LOC346454
CL357380	RP44_413K9	T7	7	35961682	35961733	35.96	8.00E-08	KIAA1706
CL411997	RP44_430A8	SP6	7	36072913	36073118	36.07	7.00E-08	KIAA0895
CL365834	RP44_356O11	T7	7	36073270	36073665	36.07	e-101	KIAA0895
CL365904	RP44_356O11	SP6	7	36185709	36186005	36.19	1.00E-31	ANLN
CL439664	RP44_297F23	T7	7	36373037	36373109	36.37	7.00E-11	AOAH
CL411000	RP44_420O13	SP6	7	36483632	36483788	36.48	6.00E-06	LOC346456
CL388365	RP44_284L5	SP6	7	36600685	36600741	36.60	7.00E-07	NA
CL388282	RP44_284L5	T7	7	36747931	36748000	36.75	1.00E-18	ELMO1
CL329941	CH242_3I11	SP6	7	36760528	36760782	36.76	2.00E-51	ELMO1
CL366669	RP44_362B11	SP6	7	36921208	36921588	36.92	6.00E-52	ELMO1
CL359140	RP44_335L4	T7	7	36976256	36976769	36.98	2.00E-73	ELMO1
CL370766	RP44_300E1	SP6	7	37089039	37089533	37.09	2.00E-36	ELMO1
CL408521	RP44_415L17	T7	7	37217703	37217821	37.22	2.00E-21	NA
CL338298	RP44_265N8	SP6	7	37531678	37532100	37.53	1.00E-06	NA
CL376315	RP44_444G23	T7	7	37926793	37926905	37.93	9.00E-11	STARD3NL
CL384902	RP44_329N10	T7	7	38212542	38212637	38.21	2.00E-11	AMPH
CL366146	RP44_358M20	SP6	7	38359861	38359955	38.36	2.00E-11	AMPH
CL342576	RP44_262D21	T7	7	38474911	38475195	38.48	5.00E-22	VPS41
CL372341	RP44_305J23	SP6	7	38689325	38689566	38.69	1.00E-37	NA
CL345978	RP44_269K18	SP6	7	38845634	38845675	38.85	4.00E-09	RPF-1
CL359018	RP44_335B19	SP6	7	38875071	38875346	38.88	1.00E-79	RPF-1
CL359662	RP44_337C22	T7	7	38875281	38875523	38.88	3.00E-30	RPF-1
CL372309	RP44_305D21	SP6	7	38971992	38972565	38.97	2.00E-92	RPF-1
CL372159	RP44_305C21	SP6	7	38972290	38972542	38.97	8.00E-79	RPF-1
CL385133	RP44_330E8	T7	7	38999790	38999963	39.00	2.00E-40	RPF-1
CL359724	RP44_337C22	SP6	7	39048521	39048627	39.05	4.00E-31	RPF-1
CL322786	RP44_437E5	SP6	7	39250839	39251146	39.25	2.00E-76	LOC346459
CL410180	RP44_418D20	T7	7	39307046	39307462	39.31	5.00E-62	NA
CL324169	RP44_463P4	SP6	7	39861315	39861395	39.86	1.00E-13	NA
CL376286	RP44_444A9	T7	7	40215397	40215974	40.22	1.00E-65	C7orf10
CL328310	RP44_248C24	SP6	7	40553025	40553092	40.55	8.00E-08	C7orf10
CL324924	RP44_478F16	T7	7	40605529	40605631	40.61	8.00E-17	C7orf10
CL323805	RP44_459J9	T7	7	40607295	40607448	40.61	2.00E-35	NA
CL385890	RP44_332J15	T7	7	41247104	41247188	41.25	2.00E-08	LOC352286
CL335290	RP44_253A18	T7	7	41311384	41311510	41.31	1.00E-12	LOC352287
CL325854	RP44_242A16	SP6	7	41311417	41311501	41.31	5.00E-06	LOC352287
CL360090	RP44_338P13	SP6	7	42139219	42139622	42.14	e-172	NA
CL375893	RP44_441C2	T7	7	42148461	42148505	42.15	1.00E-08	NA
CL321529	CH242_20P2	SP6	7	42202886	42202981	42.20	2.00E-24	NA
CL326969	RP44_244L22	T7	7	42221935	42221999	42.22	3.00E-06	NA
CL321528	CH242_20P2	T7	7	42439009	42439262	42.44	3.00E-66	NA
CL335296	RP44_253C12	T7	7	42582504	42582558	42.58	7.00E-08	NA
CL384501	RP44_329G11	SP6	7	43233560	43233871	43.23	3.00E-26	KIAA0322

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL324308	RP44_474K18	SP6	7	43253938	43253979	43.25	2.00E-06	KIAA0322
CL331454	CH242_7L19	SP6	7	43376593	43376658	43.38	4.00E-09	FLJ10803
CL342905	RP44_276A9	T7	7	43433304	43433499	43.43	2.00E-32	FLJ10803
CL362890	RP44_380F22	SP6	7	43791525	43791644	43.79	6.00E-18	HIP-55
CL329911	CH242_3C7	SP6	7	44231360	44231401	44.23	2.00E-06	KIAA1068
CL390356	RP44_288I6	SP6	7	44613779	44613959	44.61	9.00E-14	NA
CL363972	RP44_393M2	T7	7	45025364	45025777	45.03	1.00E-43	NA
CL341569	RP44_260H12	SP6	7	45996126	45996158	46.00	2.00E-08	NA
CL409305	RP44_417A1	SP6	7	46595599	46595658	46.60	4.00E-10	NA
CL343758	RP44_277G22	T7	7	46700872	46701135	46.70	6.00E-22	LOC346469
CL364201	RP44_396K1	SP6	7	46958267	46958387	46.96	1.00E-10	NA
CL368356	RP44_289C9	T7	7	47026658	47026735	47.03	4.00E-16	TEM6
CL324331	RP44_474M18	SP6	7	47049348	47049418	47.05	7.00E-06	TEM6
CL374209	RP44_469L20	T7	7	47298512	47298667	47.30	1.00E-19	TEM6
CL411183	RP44_420H21	T7	7	48880024	48880061	48.88	1.00E-06	NA
CL363315	RP44_383N17	T7	7	49004807	49004917	49.00	2.00E-09	NA
CL379134	RP44_426E3	SP6	7	49061384	49061694	49.06	1.00E-59	NA
CL351896	RP44_313D9	SP6	7	49277670	49277950	49.28	6.00E-37	LOC346259
CL357751	RP44_413D21	SP6	7	49665963	49666088	49.67	7.00E-06	NA
CL328761	RP44_370P24	T7	7	50154054	50154104	50.15	1.00E-09	ZNFN1A1
CL349278	RP44_309C19	T7	7	50274593	50274678	50.27	2.00E-30	DDC
CL327178	RP44_245K19	SP6	7	50608394	50608517	50.61	1.00E-25	LOC352188
CL327188	RP44_245M19	SP6	7	50608394	50608525	50.61	1.00E-31	LOC352188
CL353848	RP44_403F6	SP6	7	51637470	51637614	51.64	2.00E-08	NA
CL384973	RP44_329P6	SP6	7	53054925	53054997	53.05	3.00E-06	NA
CL384967	RP44_329N16	SP6	7	53054925	53055026	53.05	4.00E-16	NA
CL390078	RP44_288A23	T7	7	53148677	53148828	53.15	1.00E-13	LOC346275
CL390163	RP44_288A23	SP6	7	53686622	53686761	53.69	6.00E-15	LOC346278
CL360277	RP44_339O19	T7	7	53722846	53722973	53.72	7.00E-27	NA
CL439802	RP44_297D22	T7	7	54040518	54040634	54.04	1.00E-10	LOC346280
CL363779	RP44_389L13	T7	7	55267325	55267389	55.27	2.00E-08	DKFZP564K0822
CL335561	RP44_253B2	T7	7	64819207	64819437	64.82	8.00E-11	NA
CL353777	RP44_403B16	T7	7	65877143	71679591	68.78	2.00E-11	FLJ10900
CL323579	RP44_458B6	T7	7	66368328	66368614	66.37	1.00E-93	NA
CL410821	RP44_419L22	SP6	7	66501324	66501837	66.50	4.00E-34	LOC346331
CL413667	RP44_433N4	SP6	7	66501324	66501992	66.50	e-101	LOC346331
CL327201	RP44_245O23	SP6	7	67211744	67211889	67.21	1.00E-09	NA
CL325291	RP44_241G7	T7	7	67468362	67468838	67.47	8.00E-91	NA
CL345883	RP44_269G16	T7	7	67490506	67491031	67.49	2.00E-39	NA
CL362528	RP44_380E15	T7	7	67528444	67528899	67.53	e-107	LOC136505
CL345957	RP44_269G16	SP6	7	67794160	67794197	67.79	1.00E-06	NA
CL362603	RP44_380E15	SP6	7	67794160	67794197	67.79	1.00E-06	NA
CL379095	RP44_426M11	T7	7	68237422	68237510	68.24	2.00E-08	LOC346339
CL411575	RP44_422C22	SP6	7	68459005	68459047	68.46	1.00E-09	NA
CL389628	RP44_287C21	T7	7	68487747	68488191	68.49	2.00E-30	NA
CL326412	RP44_243D5	SP6	7	68612800	68613114	68.61	e-110	NA
CL411500	RP44_422C22	T7	7	68633977	68634305	68.63	2.00E-18	NA
CL389705	RP44_287C21	SP6	7	68653598	68654098	68.65	6.00E-09	NA
CL325443	RP44_241L7	T7	7	68673041	68673124	68.67	1.00E-19	NA
CL371868	RP44_304J23	SP6	7	68697464	68697616	68.70	8.00E-21	NA
CL367161	RP44_364O5	SP6	7	68881383	68881453	68.88	2.00E-14	NA
CL412139	RP44_430N3	SP6	7	68884978	68885447	68.89	1.00E-71	NA
CL374710	RP44_470L7	T7	7	68894077	68894562	68.89	1.00E-43	NA
CL374729	RP44_470P7	T7	7	68894077	68894564	68.89	8.00E-48	NA
CL325301	RP44_241I3	T7	7	69022324	69022500	69.02	1.00E-22	NA
CL412215	RP44_430N3	T7	7	69055639	69055785	69.06	4.00E-13	NA
CL409250	RP44_417G5	T7	7	69198165	69198552	69.20	e-100	LOC346341
CL334153	RP44_251M1	T7	7	69239871	69240125	69.24	2.00E-88	NA
CL361379	RP44_350M3	SP6	7	69292135	69292489	69.29	5.00E-09	LOC346342
CL409333	RP44_417G5	SP6	7	69406322	69406520	69.41	2.00E-11	LOC352233
CL360280	RP44_339A5	SP6	7	69568520	69568831	69.57	2.00E-26	AUTS2
CL408879	RP44_416C13	SP6	7	70206888	70207190	70.21	6.00E-08	WBSCR17
CL414092	RP44_435L4	SP6	7	71047075	71047205	71.05	9.00E-12	CALN1
CL328364	RP44_248O6	SP6	7	71299036	71299206	71.30	3.00E-57	NA
CL339192	RP44_268B15	T7	7	72488029	72493659	72.49	7.00E-21	WBSCR18

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL365676	RP44_355D19	T7	7	73315293	73315373	73.32	8.00E-11	GTF2IRD1
CL366838	RP44_362F24	SP6	7	75478620	75478702	75.48	4.00E-07	NA
CL380384	RP44_429K17	T7	7	75555978	75556045	75.56	9.00E-08	YWHAG
CL351661	RP44_313E8	T7	7	75556478	75556724	75.56	3.00E-45	YWHAG
CL409802	RP44_418A19	SP6	7	75566583	75566707	75.57	2.00E-13	YWHAG
CL342968	RP44_276M15	T7	7	75637383	75637450	75.64	3.00E-15	ZP3
CL412051	RP44_430K14	SP6	7	76327500	101958640	89.14	5.00E-09	MGC35361
CL325595	RP44_241L16	T7	7	76427054	76427518	76.43	1.00E-74	FGL2
CL371886	RP44_304N13	SP6	7	76550412	76550894	76.55	1.00E-25	LOC54103
CL411969	RP44_430K14	T7	7	76550463	76550894	76.55	2.00E-15	LOC54103
CL322847	RP44_437K17	SP6	7	76662292	76662373	76.66	8.00E-08	NA
CL382367	RP44_324A3	T7	7	76679090	76679190	76.68	1.00E-10	NA
CL323058	RP44_455H24	T7	7	76858808	76858900	76.86	3.00E-09	PTPN12
CL322534	RP44_405H21	SP6	7	76866996	76867453	76.87	0	PTPN12
CL382447	RP44_324A3	SP6	7	76885492	76885813	76.89	7.00E-06	NA
CL334636	RP44_251F4	SP6	7	77116950	77117659	77.12	7.00E-15	PHTF2
CL350180	RP44_310M4	SP6	7	77116950	77117659	77.12	7.00E-15	PHTF2
CL322679	RP44_416I12	T7	7	77267038	77267490	77.27	1.00E-92	AIP1
CL350587	RP44_311O7	T7	7	77416620	77416679	77.42	1.00E-12	AIP1
CL322680	RP44_416I12	SP6	7	77443385	77443457	77.44	9.00E-14	AIP1
CL339300	RP44_268H9	SP6	7	77638322	77638375	77.64	7.00E-09	AIP1
CL361564	RP44_351G19	T7	7	77817315	77817376	77.82	3.00E-11	AIP1
CL333913	RP44_250J21	SP6	7	77915728	77915961	77.92	4.00E-13	AIP1
CL332010	CH242_10K15	T7	7	77966516	77966590	77.97	2.00E-09	AIP1
CL330637	CH242_4B15	SP6	7	77999980	78000470	78.00	2.00E-70	AIP1
CL354187	RP44_405N10	T7	7	78284145	78284354	78.28	4.00E-37	AIP1
CL360267	RP44_339M7	T7	7	78304144	78304570	78.30	3.00E-32	AIP1
CL336697	RP44_263I12	SP6	7	78307833	78307988	78.31	1.00E-10	AIP1
CL368086	RP44_288H9	T7	7	78314859	78315053	78.31	4.00E-07	AIP1
CL353381	RP44_402J6	T7	7	78333089	78333380	78.33	2.00E-17	AIP1
CL329409	RP44_394E6	T7	7	78418109	78418214	78.42	2.00E-14	AIP1
CL389151	RP44_286A2	T7	7	78530431	78530557	78.53	5.00E-09	AIP1
CL389227	RP44_286A2	SP6	7	78690106	78690598	78.69	6.00E-18	NA
CL349140	RP44_308F24	T7	7	78879347	78879591	78.88	3.00E-50	NA
CL323746	RP44_458P22	T7	7	79263205	79263650	79.26	e-127	NA
CL372969	RP44_307G16	SP6	7	79355335	79355765	79.36	1.00E-68	NA
CL385023	RP44_330K11	T7	7	79372639	79372676	79.37	2.00E-06	GNAI1
CL339200	RP44_268D17	T7	7	79402215	79402288	79.40	2.00E-06	GNAI1
CL384043	RP44_327L16	SP6	7	79568886	79569044	79.57	2.00E-21	NA
CL383972	RP44_327L16	T7	7	79701732	79701949	79.70	4.00E-44	LOC346562
CL323298	RP44_458C5	SP6	7	79776432	79776966	79.78	e-106	NA
CL384604	RP44_329M4	T7	7	79776522	79776966	79.78	5.00E-96	NA
CL361944	RP44_353E9	SP6	7	79858883	79859074	79.86	3.00E-20	CD36
CL375963	RP44_441B4	T7	7	79898513	79898738	79.90	4.00E-53	CD36
CL377122	RP44_449O2	T7	7	80019797	80020146	80.02	3.00E-26	SEMA3C
CL327362	RP44_245H17	T7	7	80025734	80026085	80.03	9.00E-26	SEMA3C
CL389775	RP44_287E2	T7	7	80033198	80033237	80.03	6.00E-09	SEMA3C
CL354723	RP44_408E8	T7	7	80109027	80109093	80.11	1.00E-14	SEMA3C
CL383301	RP44_325L10	SP6	7	80169873	80170217	80.17	2.00E-36	NA
CL389860	RP44_287E2	SP6	7	80213628	80213681	80.21	2.00E-06	LOC346563
CL383216	RP44_325L10	T7	7	80378248	80378787	80.38	6.00E-25	LOC346564
CL341316	RP44_260D13	T7	7	80720358	80720540	80.72	3.00E-16	LOC346565
CL334747	RP44_252K15	T7	7	80786687	80786894	80.79	3.00E-41	LOC346565
CL326386	RP44_243M2	SP6	7	80953328	80953656	80.95	e-104	HGF
CL410817	RP44_419L10	SP6	7	80979477	80979896	80.98	e-114	HGF
CL368935	RP44_289D20	SP6	7	81028472	81028538	81.03	7.00E-12	LOC352343
CL385247	RP44_330M2	SP6	7	81028472	81028538	81.03	8.00E-12	LOC352343
CL341885	RP44_261E10	SP6	7	81080582	81081724	81.08	3.00E-14	LOC352343
CL413374	RP44_433C4	T7	7	81243247	81243922	81.24	1.00E-59	CACNA2D1
CL381396	RP44_315H4	T7	7	81243766	81243922	81.24	8.00E-20	CACNA2D1
CL345983	RP44_269M6	SP6	7	81314081	81314361	81.31	9.00E-27	CACNA2D1
CL411806	RP44_430K19	T7	7	81599684	95584182	88.59	5.00E-37	CACNA2D1
CL357638	RP44_413M12	SP6	7	81601643	81601928	81.60	6.00E-97	CACNA2D1
CL320261	CH242_2D11	T7	7	81610866	81611043	81.61	9.00E-38	CACNA2D1
CL348746	RP44_275C2	T7	7	81806011	81806391	81.81	e-108	LOC346566

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL440150	RP44_299D24	SP6	7	81893870	81893958	81.89	2.00E-20	NA
CL360624	RP44_340H8	T7	7	81935528	81935577	81.94	1.00E-06	NA
CL363822	RP44_392I12	T7	7	81953581	81953700	81.95	5.00E-13	NA
CL372510	RP44_305L12	SP6	7	82332375	82332477	82.33	4.00E-07	NA
CL371468	RP44_302H12	T7	7	82340319	82340527	82.34	2.00E-27	NA
CL385964	RP44_332J11	SP6	7	82345550	82345811	82.35	1.00E-13	NA
CL372428	RP44_305L12	T7	7	82515839	82516062	82.52	2.00E-09	NA
CL440184	RP44_299L22	SP6	7	82515851	82516062	82.52	6.00E-06	NA
CL357390	RP44_413M7	T7	7	82702147	82702498	82.70	4.00E-07	SEMA3E
CL357247	RP44_412P8	T7	7	82725123	82725236	82.73	1.00E-21	SEMA3E
CL357092	RP44_412P9	T7	7	82725123	82725236	82.73	2.00E-21	SEMA3E
CL381078	RP44_314J20	T7	7	82740601	82741065	82.74	8.00E-52	SEMA3E
CL360794	RP44_341B10	SP6	7	82829555	82829596	82.83	1.00E-06	SEMA3E
CL373203	RP44_308E12	T7	7	82872232	82872727	82.87	3.00E-17	SEMA3E
CL366040	RP44_358C22	T7	7	83270978	83271315	83.27	2.00E-15	SEMA3A
CL387700	RP44_282A5	SP6	7	83316536	83316771	83.32	3.00E-54	SEMA3A
CL359880	RP44_338G5	SP6	7	83316536	83316771	83.32	3.00E-54	SEMA3A
CL346128	RP44_269P11	SP6	7	83408804	83409101	83.41	4.00E-19	SEMA3A
CL376193	RP44_443L11	T7	7	83496197	83496342	83.50	2.00E-42	LOC346568
CL359798	RP44_338G5	T7	7	83504482	83504639	83.50	2.00E-09	LOC346568
CL341046	RP44_259I12	T7	7	83768549	83768623	83.77	4.00E-07	LOC346570
CL379785	RP44_428K17	SP6	7	83789985	83790055	83.79	7.00E-12	LOC346570
CL350592	RP44_311A1	SP6	7	83799989	83800299	83.80	1.00E-36	LOC346570
CL345815	RP44_280H8	T7	7	83865651	83865706	83.87	4.00E-10	LOC346570
CL341114	RP44_259I12	SP6	7	83915683	83916213	83.92	9.00E-39	NA
CL379699	RP44_428K17	T7	7	83973867	83974250	83.97	4.00E-19	NA
CL376156	RP44_443D11	T7	7	84001004	84001118	84.00	2.00E-21	NA
CL410368	RP44_419I23	T7	7	84274939	84275201	84.28	3.00E-44	SEMA3D
CL354566	RP44_407M22	SP6	7	84332168	84332337	84.33	3.00E-40	NA
CL325867	RP44_242C22	SP6	7	84349328	84349974	84.35	9.00E-26	NA
CL328165	RP44_248G5	SP6	7	84556868	84556916	84.56	1.00E-08	NA
CL332625	CH242_12M1	SP6	7	84590342	84590540	84.59	2.00E-33	LOC352347
CL349086	RP44_275B24	T7	7	84935689	84935825	84.94	5.00E-25	NA
CL381439	RP44_315P4	T7	7	85059355	85059835	85.06	2.00E-85	NA
CL369571	RP44_292A1	T7	7	85167422	85167496	85.17	3.00E-07	NA
CL345914	RP44_269M20	T7	7	85244395	85244740	85.24	1.00E-10	NA
CL385195	RP44_330A18	SP6	7	85261685	85262107	85.26	2.00E-27	NA
CL412531	RP44_431K17	SP6	7	85471025	85471194	85.47	4.00E-07	NA
CL359010	RP44_335B1	SP6	7	85529724	85530049	85.53	6.00E-15	NA
CL358928	RP44_335B1	T7	7	85665888	85666233	85.67	4.00E-16	LOC352349
CL336998	RP44_263F20	SP6	7	85700726	85700817	85.70	2.00E-17	LOC352349
CL339637	RP44_255J12	SP6	7	85928766	85928803	85.93	2.00E-06	GRM3
CL377582	RP44_457K13	T7	7	85933332	85933454	85.93	1.00E-09	GRM3
CL352769	RP44_401H16	T7	7	86022436	86022487	86.02	1.00E-07	GRM3
CL355165	RP44_409E18	T7	7	86143305	86143381	86.14	7.00E-06	FLJ31340
CL350586	RP44_311O5	T7	7	86312451	132894058	109.60	9.00E-07	SEC8
CL388323	RP44_284D11	SP6	7	86667730	86777588	86.72	2.00E-72	ABCB1
CL341703	RP44_261A15	SP6	7	86671237	86671814	86.67	7.00E-61	ABCB4
CL332368	CH242_10N3	T7	7	86771664	86771739	86.77	4.00E-22	ABCB1
CL383688	RP44_327O23	T7	7	86813087	86813239	86.81	1.00E-22	ABCB1
CL381202	RP44_315B9	T7	7	86955285	118685656	102.82	2.00E-21	RPIB9
CL367025	RP44_364A11	T7	7	87032720	87033090	87.03	2.00E-12	RPIB9
CL410177	RP44_418D14	T7	7	87057739	87057807	87.06	5.00E-06	RPIB9
CL342488	RP44_262C10	SP6	7	87339120	87339255	87.34	2.00E-24	ADAM22
CL372178	RP44_305I15	SP6	7	87437516	87437600	87.44	7.00E-16	SRI
CL379062	RP44_426G9	T7	7	87437516	87437693	87.44	5.00E-59	SRI
CL375640	RP44_436P17	SP6	7	87438396	87438547	87.44	6.00E-46	SRI
CL414390	RP44_436P17	T7	7	87624205	87624278	87.62	5.00E-07	NA
CL344027	RP44_278C17	T7	7	87708400	87708759	87.71	1.00E-68	LOC340326
CL355349	RP44_409L3	T7	7	87899416	87899612	87.90	2.00E-09	NA
CL382908	RP44_325O20	T7	7	88060250	88060386	88.06	2.00E-06	NA
CL413523	RP44_433M20	SP6	7	88086409	88086478	88.09	2.00E-06	NA
CL340664	RP44_257H18	SP6	7	88146836	88146909	88.15	6.00E-09	NA
CL342284	RP44_262K5	T7	7	88158441	88158847	88.16	3.00E-54	NA
CL382986	RP44_325O20	SP6	7	88259357	88259408	88.26	1.00E-07	LOC352351

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL322030	RP44_399F23	T7	7	88318781	88319148	88.32	3.00E-31	LOC352351
CL331968	CH242_10C13	T7	7	88324785	88325134	88.32	2.00E-95	LOC352351
CL340590	RP44_257H18	T7	7	88358881	88359253	88.36	3.00E-07	LOC352351
CL334759	RP44_252M23	T7	7	89028175	89028660	89.03	6.00E-28	NA
CL343715	RP44_277O7	SP6	7	89044642	89044726	89.04	6.00E-06	NA
CL352201	RP44_314O13	T7	7	89044642	89044726	89.04	7.00E-06	NA
CL369739	RP44_292G12	SP6	7	89406808	89407095	89.41	1.00E-16	NA
CL331860	CH242_9O1	T7	7	89580493	89599769	89.59	3.00E-44	LOC85865
CL360065	RP44_338L11	SP6	7	89706788	89706902	89.71	4.00E-15	NA
CL339938	RP44_256H15	SP6	7	89736533	89736611	89.74	6.00E-12	NA
CL385825	RP44_332K22	SP6	7	89791055	89791167	89.79	7.00E-21	NA
CL326309	RP44_243I20	T7	7	89912091	89912155	89.91	4.00E-06	PFTK1
CL322916	RP44_437E2	SP6	7	89926059	89926166	89.93	1.00E-12	PFTK1
CL385753	RP44_332K22	T7	7	89928345	89928827	89.93	9.00E-23	PFTK1
CL372743	RP44_306H14	T7	7	89933883	89933955	89.93	2.00E-08	PFTK1
CL326373	RP44_243I20	SP6	7	90085049	90085344	90.09	3.00E-38	PFTK1
CL372826	RP44_306H14	SP6	7	90133570	90133763	90.13	4.00E-31	PFTK1
CL340448	RP44_257F13	T7	7	90308504	90308926	90.31	1.00E-13	PFTK1
CL336559	RP44_263M21	SP6	7	90316807	90317466	90.32	5.00E-16	PFTK1
CL369279	RP44_290E14	SP6	7	90364397	90364575	90.36	3.00E-22	PFTK1
CL352941	RP44_402K9	T7	7	90547546	90547805	90.55	1.00E-19	LOC346581
CL369190	RP44_290E14	T7	7	90566646	90566693	90.57	8.00E-08	NA
CL348484	RP44_274L16	T7	7	90587082	90588023	90.59	4.00E-10	NA
CL364204	RP44_396K7	SP6	7	90793443	90793816	90.79	2.00E-39	MTERF
CL372861	RP44_306P4	SP6	7	90823907	90824040	90.82	6.00E-09	MTERF
CL372421	RP44_305J22	T7	7	90921032	90921448	90.92	2.00E-18	MTERF
CL333237	RP44_249M7	SP6	7	91264848	91264892	91.26	7.00E-07	AKAP9
CL412694	RP44_431I22	SP6	7	91324960	138661289	114.99	4.00E-75	HIPK2
CL385526	RP44_330J12	SP6	7	91452783	91453361	91.45	1.00E-28	CCM1
CL361824	RP44_351L1	SP6	7	91571423	91571539	91.57	6.00E-09	DKFZP434A0225
CL385449	RP44_330J12	T7	7	91615304	91615628	91.62	e-113	DKFZP434A0225
CL378477	RP44_424B19	T7	7	91646259	91646518	91.65	2.00E-20	LOC340327
CL335435	RP44_253F15	T7	7	91732211	91732518	91.73	2.00E-54	PEX1
CL378537	RP44_424B19	SP6	7	91848013	91848174	91.85	2.00E-12	CDK6
CL385458	RP44_330L16	T7	7	92145634	92145887	92.15	1.00E-10	LOC346585
CL413332	RP44_432L14	SP6	7	92346194	92346253	92.35	2.00E-12	NA
CL388134	RP44_284M18	T7	7	92771575	92771638	92.77	8.00E-08	NA
CL380631	RP44_429I12	SP6	7	92806499	92806593	92.81	8.00E-11	LOC346586
CL380628	RP44_429I4	SP6	7	92806499	92806593	92.81	1.00E-10	LOC346586
CL346046	RP44_269L21	T7	7	93229435	93229945	93.23	4.00E-13	BET1
CL320791	CH242_13O7	T7	7	93311608	93311780	93.31	1.00E-34	LOC346589
CL320792	CH242_13O7	SP6	7	93500678	93501332	93.50	1.00E-84	LOC346592
CL325614	RP44_241P16	T7	7	93581276	93581465	93.58	2.00E-30	LOC346592
CL363766	RP44_389J3	T7	7	93645209	93645788	93.65	e-169	COL1A2
CL354008	RP44_405I13	SP6	7	93647613	93648141	93.65	2.00E-54	COL1A2
CL368172	RP44_288J15	SP6	7	93718554	93718618	93.72	4.00E-13	NA
CL342558	RP44_262O24	SP6	7	93815188	93815402	93.82	3.00E-44	SGCE
CL353419	RP44_403C23	T7	7	94082405	94082492	94.08	5.00E-08	NA
CL355982	RP44_410F19	SP6	7	94147071	94147166	94.15	5.00E-06	LOC346596
CL343279	RP44_276H23	T7	7	94160955	94161006	94.16	2.00E-12	LOC346596
CL410741	RP44_419H18	T7	7	94206938	94207237	94.21	9.00E-33	LOC346596
CL344859	RP44_279I18	T7	7	94270869	94270959	94.27	2.00E-11	NA
CL355898	RP44_410F19	T7	7	94338637	94338985	94.34	1.00E-50	LOC349144
CL385128	RP44_330C22	T7	7	94475889	94476092	94.48	3.00E-45	NA
CL413496	RP44_433I4	SP6	7	94530192	94530639	94.53	e-117	PON1
CL330793	CH242_4D22	SP6	7	94585982	94586030	94.59	2.00E-08	NA
CL359291	RP44_336J23	T7	7	94634515	94634716	94.63	4.00E-52	PON2
CL376566	RP44_445A13	T7	7	95418077	95418809	95.42	2.00E-82	SLC25A13
CL325977	RP44_242B5	SP6	7	95548299	95548707	95.55	e-166	SLC25A13
CL376641	RP44_445A13	SP6	7	95656119	95656310	95.66	1.00E-60	LOC352354
CL346271	RP44_270O13	SP6	7	95676321	95676594	95.68	2.00E-46	NA
CL379434	RP44_426L3	SP6	7	95676321	95676594	95.68	3.00E-47	NA
CL358788	RP44_415G24	T7	7	95748188	95748781	95.75	0	DSS1
CL411890	RP44_430K19	SP6	7	95748407	95749040	95.75	0	DSS1
CL341438	RP44_260N3	SP6	7	95749239	95749583	95.75	9.00E-88	DSS1

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL338116	RP44_265J19	SP6	7	95794150	95794269	95.79	3.00E-08	DSS1
CL346200	RP44_270O13	T7	7	95806541	95806842	95.81	1.00E-81	DSS1
CL369532	RP44_291G4	SP6	7	95818251	95818649	95.82	6.00E-24	DSS1
CL379354	RP44_426L3	T7	7	95868536	95868600	95.87	6.00E-06	DSS1
CL340839	RP44_258L11	SP6	7	95874929	95875459	95.88	0	DSS1
CL354190	RP44_405N16	T7	7	95883674	95883840	95.88	3.00E-29	DSS1
CL408429	RP44_415G24	SP6	7	95955666	95955909	95.96	2.00E-30	NA
CL413035	RP44_431N14	SP6	7	96019696	96019837	96.02	9.00E-14	LOC346599
CL354243	RP44_405N16	SP6	7	96036818	96037506	96.04	6.00E-39	LOC346599
CL324625	RP44_476C22	T7	7	96050220	96050612	96.05	6.00E-61	LOC346599
CL384797	RP44_329F3	SP6	7	96059422	96059777	96.06	1.00E-93	LOC346599
CL367554	RP44_367F5	SP6	7	96130164	96130283	96.13	3.00E-26	NA
CL358828	RP44_415O20	T7	7	96177458	96178037	96.18	8.00E-27	NA
CL358663	RP44_415O21	T7	7	96177458	96178037	96.18	8.00E-27	NA
CL412958	RP44_431N14	T7	7	96189707	96190300	96.19	e-117	NA
CL324626	RP44_476C22	SP6	7	96224536	96225022	96.22	e-126	LOC285987
CL358554	RP44_414J18	SP6	7	96224634	96224998	96.22	e-118	LOC285987
CL409162	RP44_416P24	T7	7	96230308	96230400	96.23	4.00E-25	LOC285987
CL343998	RP44_277N1	SP6	7	96965019	96965209	96.97	2.00E-11	TAC1
CL351096	RP44_311H12	SP6	7	97421125	97421488	97.42	4.00E-96	KPI2
CL355481	RP44_409H12	T7	7	97589254	97589342	97.59	2.00E-26	LOC55971
CL355581	RP44_409N6	SP6	7	98538800	98538895	98.54	1.00E-10	ARPC1A
CL320935	CH242_15I1	SP6	7	98628522	98628651	98.63	7.00E-29	KIAA0632
CL331347	CH242_7B23	T7	7	98694851	98694935	98.69	2.00E-08	FLJ12298
CL360741	RP44_341B8	T7	7	99232319	99232540	99.23	4.00E-06	NA
CL330924	CH242_6M17	T7	7	99233304	99233500	99.23	3.00E-26	NA
CL343708	RP44_277M17	SP6	7	99603755	99604051	99.60	1.00E-47	FLJ10057
CL388546	RP44_285A3	T7	7	99605033	99605379	99.61	3.00E-26	FLJ10057
CL322239	RP44_404C14	T7	7	99605897	99605925	99.61	4.00E-06	FLJ10057
CL334079	RP44_250N18	SP6	7	100691164	100691674	100.69	6.00E-06	COL26A1
CL374223	RP44_469P8	T7	7	100944203	100944353	100.94	1.00E-18	LOC352359
CL335671	RP44_253J20	SP6	7	101010286	101010597	101.01	1.00E-98	CUTL1
CL353017	RP44_402K13	SP6	7	101093350	101093454	101.09	2.00E-15	CUTL1
CL353590	RP44_403C14	SP6	7	101309833	101310051	101.31	6.00E-15	CUTL1
CL336460	RP44_262J2	SP6	7	101309965	101310189	101.31	2.00E-42	CUTL1
CL380572	RP44_429M22	T7	7	102069536	102070149	102.07	2.00E-09	MGC21636
CL389864	RP44_287E10	SP6	7	102085013	102085061	102.09	3.00E-06	MGC21636
CL349085	RP44_275B22	T7	7	102153036	102153102	102.15	9.00E-08	MGC21636
CL340510	RP44_257F7	SP6	7	102177816	102177888	102.18	2.00E-08	MGC21636
CL322068	RP44_399J15	T7	7	102654468	102654868	102.65	6.00E-08	NA
CL328980	RP44_382H9	SP6	7	102763938	102764203	102.76	2.00E-12	RELN
CL365489	RP44_353H14	SP6	7	102788239	102788275	102.79	2.00E-08	RELN
CL327732	RP44_246G22	SP6	7	102813928	102814333	102.81	2.00E-82	RELN
CL357409	RP44_413A5	SP6	7	102847425	102847505	102.85	8.00E-06	RELN
CL365415	RP44_353H14	T7	7	102921641	102921807	102.92	1.00E-25	RELN
CL328979	RP44_382H9	T7	7	102923310	102923783	102.92	2.00E-58	RELN
CL357331	RP44_413A5	T7	7	102998180	102998654	103.00	6.00E-77	RELN
CL409976	RP44_418I2	T7	7	102998708	102999196	103.00	3.00E-63	RELN
CL352913	RP44_402E9	T7	7	103133571	103134135	103.13	e-112	RELN
CL387839	RP44_283M11	T7	7	103134233	103134311	103.13	9.00E-08	RELN
CL410062	RP44_418I2	SP6	7	103159942	103160016	103.16	2.00E-14	RELN
CL378287	RP44_423F2	SP6	7	103243826	103244035	103.24	8.00E-14	NA
CL387917	RP44_283M11	SP6	7	103331949	103332015	103.33	3.00E-07	ORC5L
CL366664	RP44_362P23	T7	7	103511837	103512082	103.51	2.00E-12	LOC352361
CL331390	CH242_7L21	T7	7	103787738	103787799	103.79	2.00E-06	LOC346612
CL363159	RP44_383K14	T7	7	103883548	103883600	103.88	6.00E-06	NA
CL343775	RP44_277K12	T7	7	104389798	104389970	104.39	1.00E-19	SRPK2
CL344593	RP44_278D8	SP6	7	104743747	104743986	104.74	7.00E-15	FLJ11785
CL413931	RP44_435K14	SP6	7	104809307	104809506	104.81	3.00E-41	MGC33190
CL328613	RP44_248B24	SP6	7	104811237	104811452	104.81	2.00E-63	MGC33190
CL336727	RP44_263O2	SP6	7	104900721	104901065	104.90	7.00E-21	MGC33190
CL350749	RP44_311C6	SP6	7	104900721	104901065	104.90	6.00E-21	MGC33190
CL356836	RP44_412I13	SP6	7	104947066	104947302	104.95	1.00E-16	MGC33190
CL333495	RP44_249L6	SP6	7	105168236	105168492	105.17	4.00E-34	NA
CL358576	RP44_414P4	SP6	7	105410601	105410952	105.41	4.00E-19	LOC346621

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL383552	RP44_326B10	SP6	7	105479998	105480062	105.48	2.00E-08	LOC340339
CL347230	RP44_272O9	SP6	7	105600961	105601000	105.60	8.00E-08	LOC352363
CL348693	RP44_275G21	SP6	7	105839359	105839484	105.84	5.00E-07	NA
CL348617	RP44_275G21	T7	7	106051092	106051210	106.05	3.00E-19	NA
CL322393	RP44_404H8	SP6	7	106152302	106152489	106.15	2.00E-38	LOC346623
CL379408	RP44_426F13	SP6	7	106754306	106754420	106.75	6.00E-22	PP35
CL341394	RP44_260D17	SP6	7	106947056	106947214	106.95	2.00E-41	NA
CL331360	CH242_7F5	T7	7	107124260	107124463	107.12	7.00E-69	LAMB1
CL347065	RP44_271N22	SP6	7	107182456	107182814	107.18	1.00E-55	LAMB1
CL342377	RP44_262M11	SP6	7	107182962	107183092	107.18	4.00E-29	LAMB1
CL357479	RP44_413O5	SP6	7	107314603	107314689	107.31	3.00E-14	LAMB4
CL357400	RP44_413O5	T7	7	107467799	107467978	107.47	4.00E-38	NRCAM
CL363789	RP44_389P3	T7	7	107787102	107787148	107.79	2.00E-09	LOC346626
CL369002	RP44_290A11	T7	7	107905037	107905144	107.91	2.00E-17	NA
CL320562	CH242_10J2	T7	7	107990059	107990111	107.99	3.00E-08	LOC352366
CL363724	RP44_389P3	SP6	7	108009425	108009784	108.01	1.00E-13	LOC352366
CL439710	RP44_297B1	SP6	7	108136715	108137640	108.14	e-111	NA
CL375299	RP44_471M10	SP6	7	108391845	108392058	108.39	4.00E-09	NA
CL323963	RP44_463G12	T7	7	108391845	108392209	108.39	4.00E-13	NA
CL351809	RP44_313D1	T7	7	108391845	108392214	108.39	7.00E-12	NA
CL351619	RP44_313M15	SP6	7	108422839	108423043	108.42	2.00E-18	NA
CL349031	RP44_275H11	SP6	7	108462875	108463123	108.46	1.00E-06	NA
CL373680	RP44_469G7	T7	7	108481975	108482382	108.48	4.00E-44	NA
CL362880	RP44_380D24	SP6	7	108506597	108506768	108.51	3.00E-25	LOC346627
CL364567	RP44_396N24	T7	7	108668250	108668385	108.67	3.00E-29	NA
CL337941	RP44_265G8	SP6	7	108915189	108915292	108.92	2.00E-24	NA
CL334886	RP44_252I22	T7	7	109010339	109010423	109.01	1.00E-10	NA
CL358456	RP44_414H8	T7	7	109010339	109010423	109.01	8.00E-11	NA
CL387009	RP44_335G6	T7	7	109141086	109141136	109.14	4.00E-07	LOC136208
CL338500	RP44_266G8	T7	7	109186787	109187416	109.19	1.00E-10	LOC346628
CL358540	RP44_414H8	SP6	7	109258147	109258436	109.26	1.00E-40	LOC346628
CL327611	RP44_246M17	SP6	7	109383376	109383409	109.38	2.00E-06	LOC352367
CL358879	RP44_335G6	SP6	7	109383376	109383409	109.38	1.00E-06	LOC352367
CL338582	RP44_266G8	SP6	7	109438646	109438790	109.44	2.00E-15	LOC352367
CL377503	RP44_449L16	SP6	7	109450990	109451235	109.45	4.00E-13	NA
CL377428	RP44_449L16	T7	7	109676269	109676458	109.68	8.00E-14	NA
CL331252	CH242_7O24	T7	7	109825000	109825186	109.83	8.00E-09	NA
CL413114	RP44_432M13	T7	7	109973142	109973546	109.97	2.00E-55	IMMP2L
CL376341	RP44_444O7	T7	7	110074753	110075114	110.07	9.00E-60	IMMP2L
CL376979	RP44_449C21	SP6	7	110149822	110150480	110.15	6.00E-31	IMMP2L
CL374024	RP44_469H17	T7	7	110392543	110392704	110.39	2.00E-46	IMMP2L
CL367085	RP44_364M19	T7	7	110392543	110392740	110.39	5.00E-59	IMMP2L
CL323698	RP44_458L12	SP6	7	110439132	110439566	110.44	8.00E-30	IMMP2L
CL387317	RP44_281E2	T7	7	110478700	110478788	110.48	4.00E-07	IMMP2L
CL333848	RP44_250L21	T7	7	110560359	110560463	110.56	4.00E-13	IMMP2L
CL363439	RP44_388L17	T7	7	110560359	110560464	110.56	2.00E-11	IMMP2L
CL367159	RP44_364M19	SP6	7	110573925	110574458	110.57	e-155	IMMP2L
CL374110	RP44_469H17	SP6	7	110573966	110574458	110.57	e-124	IMMP2L
CL372554	RP44_306D17	T7	7	110574828	110574877	110.57	1.00E-06	IMMP2L
CL323697	RP44_458L12	T7	7	110595337	110595873	110.60	6.00E-28	NA
CL356883	RP44_412C4	T7	7	110737792	110738129	110.74	3.00E-13	NA
CL329921	CH242_3E7	SP6	7	110850979	110851184	110.85	5.00E-34	LOC352369
CL361797	RP44_351F3	SP6	7	110943925	110943985	110.94	5.00E-09	DOCK4
CL356960	RP44_412C4	SP6	7	110962082	110962138	110.96	4.00E-06	DOCK4
CL326180	RP44_243O3	T7	7	110962355	110962449	110.96	6.00E-24	DOCK4
CL329834	CH242_3E7	T7	7	111007193	111007264	111.01	2.00E-12	NA
CL354849	RP44_408B23	T7	7	111074656	111074783	111.07	1.00E-10	NA
CL361718	RP44_351F3	T7	7	111127853	111127913	111.13	6.00E-06	NA
CL354936	RP44_408B23	SP6	7	111279402	111279727	111.28	7.00E-48	NA
CL321055	CH242_15G18	T7	7	111448475	111449018	111.45	1.00E-59	ZNF277
CL374084	RP44_469D5	SP6	7	111490671	111490813	111.49	3.00E-26	ZNF277
CL374283	RP44_469L4	SP6	7	111490671	111490813	111.49	3.00E-26	ZNF277
CL374126	RP44_469L5	SP6	7	111490671	111490813	111.49	3.00E-26	ZNF277
CL352483	RP44_401K2	T7	7	111525841	111525920	111.53	2.00E-10	ZNF277
CL333952	RP44_250D8	T7	7	111763998	111764114	111.76	4.00E-13	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL366055	RP44_358G12	T7	7	111953920	111954354	111.95	e-179	FLJ13576
CL338076	RP44_265B19	SP6	7	111980566	111980648	111.98	3.00E-14	NA
CL325845	RP44_242O18	T7	7	111998929	111999230	112.00	1.00E-16	LOC346633
CL356029	RP44_410P1	SP6	7	112146040	112146282	112.15	1.00E-52	NA
CL355857	RP44_410O2	SP6	7	112146086	112146282	112.15	4.00E-42	NA
CL332587	CH242_12E9	SP6	7	112168921	112168986	112.17	2.00E-06	NA
CL385733	RP44_332G12	T7	7	112225032	112225135	112.23	6.00E-15	LOC346634
CL370401	RP44_295F3	SP6	7	112225354	112225477	112.23	4.00E-20	LOC346634
CL370319	RP44_295G3	SP6	7	112225354	112225477	112.23	6.00E-20	LOC346634
CL347010	RP44_271D6	SP6	7	112280214	112280277	112.28	6.00E-11	NA
CL348803	RP44_275M6	T7	7	112280214	112280570	112.28	1.00E-13	NA
CL349433	RP44_309C12	T7	7	112387334	112387513	112.39	8.00E-21	LOC352372
CL348894	RP44_275M6	SP6	7	112466554	112466595	112.47	2.00E-06	NA
CL349512	RP44_309C12	SP6	7	112589722	112590274	112.59	2.00E-24	LOC352373
CL363934	RP44_393C16	T7	7	112637199	112637313	112.64	1.00E-09	LOC352373
CL362787	RP44_380P17	SP6	7	112677943	112678365	112.68	1.00E-19	NA
CL333434	RP44_249N24	T7	7	112731626	112732179	112.73	2.00E-40	NA
CL411541	RP44_422M8	T7	7	112865368	112865470	112.87	3.00E-07	NA
CL323515	RP44_458K2	T7	7	112901809	112902228	112.90	3.00E-73	NA
CL375709	RP44_436N12	T7	7	113052983	113053420	113.05	3.00E-17	NA
CL325166	RP44_479B7	T7	7	113072405	113072719	113.07	2.00E-25	PPP1R3A
CL411623	RP44_422M8	SP6	7	113086054	113086099	113.09	3.00E-07	PPP1R3A
CL386592	RP44_334H1	T7	7	113254593	113255202	113.25	e-120	LOC286007
CL339158	RP44_268I16	SP6	7	113289583	113289671	113.29	3.00E-08	LOC352374
CL333741	RP44_250E8	SP6	7	113369629	113370044	113.37	1.00E-93	LOC352374
CL386789	RP44_334H2	SP6	7	113370661	113370730	113.37	1.00E-06	LOC352374
CL359296	RP44_336L13	T7	7	113422231	113422417	113.42	3.00E-26	NA
CL329189	RP44_382N4	T7	7	113517697	113518041	113.52	0	FOXP2
CL347336	RP44_272C8	SP6	7	113600083	113600696	113.60	3.00E-45	FOXP2
CL329190	RP44_382N4	SP6	7	113683054	113683520	113.68	0	FOXP2
CL373201	RP44_308E8	T7	7	113692497	113693012	113.69	5.00E-28	FOXP2
CL366465	RP44_362E12	T7	7	113705825	113706066	113.71	3.00E-11	FOXP2
CL386370	RP44_333B8	SP6	7	113710188	113710225	113.71	2.00E-06	FOXP2
CL362472	RP44_377K6	SP6	7	113785779	113785985	113.79	7.00E-21	FOXP2
CL347250	RP44_272C8	T7	7	113805208	113805335	113.81	2.00E-31	FOXP2
CL368156	RP44_288F21	SP6	7	113836759	113837349	113.84	2.00E-52	FOXP2
CL366538	RP44_362E12	SP6	7	113868013	113868629	113.87	0	FOXP2
CL356674	RP44_411F8	SP6	7	113869022	113869262	113.87	3.00E-69	FOXP2
CL330816	CH242_4J4	SP6	7	113874406	113874799	113.87	6.00E-92	NA
CL355689	RP44_410I17	SP6	7	113894574	113894855	113.89	1.00E-63	NA
CL348630	RP44_275K1	T7	7	113953348	113953660	113.95	4.00E-75	NA
CL338848	RP44_267O2	T7	7	113965388	113965755	113.97	2.00E-82	LOC352375
CL380221	RP44_428N22	T7	7	113971106	113971248	113.97	6.00E-31	LOC352375
CL362392	RP44_377K6	T7	7	113983207	113983799	113.98	e-138	LOC352375
CL362892	RP44_380H2	SP6	7	114045003	114045213	114.05	2.00E-45	NA
CL322070	RP44_399J17	T7	7	114045053	114045189	114.05	8.00E-17	NA
CL411790	RP44_430I7	T7	7	114096561	114097081	114.10	1.00E-22	NA
CL411759	RP44_430C7	T7	7	114097233	114097399	114.10	9.00E-20	NA
CL338922	RP44_267O2	SP6	7	114127197	114127597	114.13	e-117	HIC
CL344348	RP44_278D9	T7	7	114222089	114222216	114.22	1.00E-10	NA
CL344449	RP44_278F23	SP6	7	114260907	114260952	114.26	1.00E-06	NA
CL350790	RP44_311K6	SP6	7	114260907	114261259	114.26	4.00E-07	NA
CL323165	RP44_457L9	SP6	7	114359096	114359593	114.36	e-130	NA
CL350713	RP44_311K6	T7	7	114414666	114414903	114.41	4.00E-35	LOC352376
CL373547	RP44_457L9	T7	7	114507239	114507349	114.51	1.00E-09	LOC352376
CL357740	RP44_413B17	SP6	7	114637519	114637611	114.64	2.00E-08	NA
CL413828	RP44_435C14	T7	7	114656978	114657219	114.66	1.00E-55	NA
CL327767	RP44_246O8	SP6	7	114659516	114660902	114.66	2.00E-21	NA
CL340882	RP44_258D18	T7	7	114807337	114807866	114.81	9.00E-36	NA
CL356990	RP44_412I24	SP6	7	114864837	114865027	114.86	3.00E-07	LOC346635
CL352691	RP44_401J11	SP6	7	114949530	114949716	114.95	1.00E-43	LOC346635
CL348468	RP44_274H24	T7	7	114991169	114991560	114.99	6.00E-83	LOC346635
CL332751	CH242_12C12	SP6	7	114991353	114991560	114.99	2.00E-51	LOC346635
CL347169	RP44_272C7	SP6	7	114993195	114993740	114.99	0	LOC346635
CL356920	RP44_412I24	T7	7	115016411	115016734	115.02	3.00E-07	LOC346635

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL412059	RP44_430M10	SP6	7	115049806	115050282	115.05	2.00E-76	NA
CL412039	RP44_430I10	SP6	7	115050026	115050305	115.05	6.00E-82	NA
CL345125	RP44_279B14	T7	7	115050625	115051003	115.05	3.00E-97	NA
CL336071	RP44_255A19	SP6	7	115055315	115055841	115.06	0	NA
CL363488	RP44_388H11	SP6	7	115055327	115056004	115.06	0	NA
CL359520	RP44_337A9	T7	7	115092834	115092946	115.09	3.00E-13	NA
CL362513	RP44_380C5	T7	7	115120006	115120603	115.12	1.00E-07	NA
CL333621	RP44_250I15	SP6	7	115265228	115265277	115.27	1.00E-11	NA
CL363421	RP44_388H11	T7	7	115280738	115281341	115.28	3.00E-91	NA
CL345204	RP44_279B14	SP6	7	115293463	115293651	115.29	2.00E-11	NA
CL359584	RP44_337A9	SP6	7	115293463	115293657	115.29	6.00E-15	NA
CL386717	RP44_334D16	T7	7	115316503	115317047	115.32	3.00E-60	NA
CL326882	RP44_244I12	SP6	7	115374190	115374647	115.37	e-117	NA
CL343191	RP44_276E22	SP6	7	115510845	115510912	115.51	7.00E-06	NA
CL366788	RP44_362L12	T7	7	115542810	115542897	115.54	1.00E-10	LOC352377
CL334126	RP44_251G7	T7	7	115575367	115575494	115.58	4.00E-13	LOC352377
CL326807	RP44_244I12	T7	7	115584645	115584685	115.58	5.00E-06	LOC352377
CL368519	RP44_289A14	T7	7	115681340	115681634	115.68	4.00E-18	CAV2
CL343102	RP44_276E22	T7	7	115724492	115724734	115.72	8.00E-27	CAV1
CL334207	RP44_251G7	SP6	7	115773002	115773660	115.77	2.00E-46	NA
CL376601	RP44_445I5	T7	7	115773412	115773660	115.77	1.00E-29	NA
CL350983	RP44_311P23	SP6	7	115779914	115780040	115.78	7.00E-27	NA
CL350900	RP44_311P23	T7	7	115836884	115837453	115.84	3.00E-08	NA
CL386847	RP44_335E15	T7	7	115838557	115839037	115.84	4.00E-38	NA
CL360220	RP44_338P10	T7	7	115914136	115914377	115.91	4.00E-16	MET
CL326353	RP44_243C22	SP6	7	115939098	115939252	115.94	6.00E-08	MET
CL335758	RP44_254M15	T7	7	115958853	115959260	115.96	4.00E-13	MET
CL339899	RP44_256P7	T7	7	116394411	116395033	116.39	1.00E-50	ST7
CL412758	RP44_431F19	T7	7	116468913	116469274	116.47	3.00E-08	WNT2
CL346751	RP44_271O16	SP6	7	116740205	116740408	116.74	4.00E-84	CFTR
CL360456	RP44_339B3	T7	7	116773121	116773410	116.77	7.00E-60	CFTR
CL412567	RP44_431C6	T7	7	116845932	116846399	116.85	6.00E-43	CFTR
CL346675	RP44_271O16	T7	7	116896631	116897048	116.90	6.00E-06	CORTBP2
CL360527	RP44_339B3	SP6	7	116930642	116931078	116.93	5.00E-49	CORTBP2
CL381618	RP44_316A13	SP6	7	117172059	117172187	117.17	4.00E-12	LOC352378
CL381629	RP44_316C15	SP6	7	117172059	117172367	117.17	7.00E-12	LOC352378
CL381531	RP44_316A13	T7	7	117320577	117320685	117.32	3.00E-13	LOC346637
CL381542	RP44_316C15	T7	7	117320577	117320685	117.32	3.00E-13	LOC346637
CL371109	RP44_301K9	SP6	7	117481913	117481978	117.48	6.00E-14	NA
CL359208	RP44_335J6	SP6	7	117504125	117504358	117.50	5.00E-22	NA
CL376412	RP44_444B9	T7	7	117525402	117525500	117.53	5.00E-12	NA
CL383326	RP44_325P16	SP6	7	117543646	117544092	117.54	2.00E-11	NA
CL359135	RP44_335J6	T7	7	117626873	117626905	117.63	5.00E-06	NA
CL349921	RP44_310I5	T7	7	117814933	117815015	117.81	4.00E-19	NA
CL409975	RP44_418G24	T7	7	117845980	117846171	117.85	3.00E-23	NA
CL375600	RP44_471L10	SP6	7	117853479	117853820	117.85	3.00E-44	NA
CL326044	RP44_242D14	SP6	7	118159971	118160097	118.16	2.00E-20	NA
CL413457	RP44_433A18	SP6	7	118333657	118333701	118.33	6.00E-06	NA
CL378051	RP44_422H20	SP6	7	118806648	118806788	118.81	1.00E-10	LOC352379
CL335062	RP44_252B1	SP6	7	118806741	118806788	118.81	4.00E-10	LOC352379
CL381286	RP44_315B9	SP6	7	118928766	118929095	118.93	6.00E-18	NA
CL355453	RP44_409P21	SP6	7	119279912	119280260	119.28	2.00E-74	NA
CL347477	RP44_272P9	T7	7	119456857	119457253	119.46	2.00E-27	KCND2
CL349033	RP44_275H15	SP6	7	119494461	119495275	119.49	1.00E-59	KCND2
CL346306	RP44_270F21	T7	7	119522808	119523280	119.52	2.00E-61	KCND2
CL322480	RP44_405B7	T7	7	119553463	119553646	119.55	6.00E-33	KCND2
CL386563	RP44_334O10	SP6	7	119642528	119642701	119.64	4.00E-41	KCND2
CL343622	RP44_277K19	T7	7	119664472	119664681	119.66	1.00E-07	KCND2
CL348950	RP44_275H15	T7	7	119682040	119682234	119.68	3.00E-59	KCND2
CL411914	RP44_430A4	T7	7	119694947	119695167	119.70	1.00E-19	KCND2
CL412529	RP44_431K13	SP6	7	119698956	119699060	119.70	1.00E-06	KCND2
CL384093	RP44_328F21	T7	7	119700581	119701054	119.70	2.00E-46	KCND2
CL411996	RP44_430A4	SP6	7	119859744	119860124	119.86	8.00E-67	KCND2
CL387065	RP44_280B6	SP6	7	119908320	119908533	119.91	3.00E-23	KCND2
CL348830	RP44_275A12	SP6	7	119916483	119916678	119.92	7.00E-30	KCND2

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL331874	CH242_9A5	SP6	7	119930128	119930817	119.93	6.00E-68	KCND2
CL348364	RP44_274D3	SP6	7	120057670	120057899	120.06	2.00E-37	NA
CL345783	RP44_280B6	T7	7	120148218	120148719	120.15	4.00E-69	ING3
CL371970	RP44_304N12	T7	7	120148797	120148852	120.15	6.00E-15	ING3
CL332479	CH242_12A17	T7	7	120266938	120267388	120.27	2.00E-33	FLJ21986
CL348279	RP44_274D3	T7	7	120267743	120268195	120.27	2.00E-12	FLJ21986
CL337802	RP44_265M3	SP6	7	120332497	120333072	120.33	4.00E-35	FLJ21986
CL372050	RP44_304N12	SP6	7	120346259	120346657	120.35	3.00E-26	FLJ21986
CL361006	RP44_343H21	T7	7	120364007	120364162	120.36	3.00E-11	FLJ21986
CL343140	RP44_276M6	T7	7	120457895	120457999	120.46	9.00E-11	FLJ21986
CL361069	RP44_343H21	SP6	7	120485319	120485862	120.49	7.00E-43	NA
CL370327	RP44_295K1	SP6	7	120783444	120783484	120.78	4.00E-06	NA
CL383995	RP44_327B4	SP6	7	121170868	121170975	121.17	5.00E-22	PTPRZ1
CL383921	RP44_327B4	T7	7	121191030	121191196	121.19	7.00E-09	PTPRZ1
CL390339	RP44_288E20	SP6	7	121208235	121208330	121.21	3.00E-08	PTPRZ1
CL382486	RP44_324G13	SP6	7	121325030	121325167	121.33	2.00E-30	AASS
CL389221	RP44_286O8	T7	7	121503194	121503552	121.50	3.00E-13	CADPS2
CL353252	RP44_402B5	T7	7	121601032	121601288	121.60	5.00E-46	CADPS2
CL384595	RP44_329K8	T7	7	121622190	121622425	121.62	1.00E-38	CADPS2
CL337194	RP44_264M3	SP6	7	121682767	121682829	121.68	2.00E-09	CADPS2
CL367281	RP44_365M9	SP6	7	121865645	121865703	121.87	3.00E-07	CADPS2
CL356039	RP44_410P23	SP6	7	122062078	122062156	122.06	7.00E-24	CADPS2
CL339963	RP44_256N11	SP6	7	122078229	122078276	122.08	2.00E-10	NA
CL364799	RP44_400A1	SP6	7	122677444	122677750	122.68	1.00E-59	FLJ35834
CL329299	RP44_386H24	T7	7	122729506	122729609	122.73	4.00E-22	NDUFA5
CL389349	RP44_286L3	T7	7	122738491	122738559	122.74	2.00E-08	NDUFA5
CL339403	RP44_268L18	T7	7	122806338	122806374	122.81	2.00E-08	ASB15
CL351672	RP44_313G8	T7	7	123054825	123055616	123.06	4.00E-29	HYAL4
CL332526	CH242_12I23	T7	7	123750463	123750839	123.75	2.00E-15	NA
CL355009	RP44_408P23	SP6	7	123874750	123875138	123.87	4.00E-56	NA
CL354628	RP44_408M13	T7	7	124001405	124001721	124.00	4.00E-22	NA
CL412438	RP44_431I3	T7	7	124098416	124098480	124.10	2.00E-08	POT1
CL336355	RP44_262L8	SP6	7	124201095	124201250	124.20	1.00E-34	LOC286010
CL346583	RP44_270N4	SP6	7	124242473	124243037	124.24	1.00E-65	LOC286010
CL347292	RP44_272K14	T7	7	124339718	124339916	124.34	3.00E-17	LOC286010
CL373004	RP44_307O22	SP6	7	124349243	124349484	124.35	5.00E-21	LOC286010
CL373116	RP44_307F9	SP6	7	124349243	124349785	124.35	9.00E-21	LOC286010
CL332304	CH242_10O18	SP6	7	124461021	124461579	124.46	1.00E-44	NA
CL323394	RP44_458M3	T7	7	125548642	125548951	125.55	3.00E-51	NA
CL343397	RP44_276P9	SP6	7	125690101	125690281	125.69	3.00E-14	GRM8
CL335652	RP44_253F16	SP6	7	125742880	125742951	125.74	9.00E-08	GRM8
CL357294	RP44_412J8	SP6	7	125786373	125786437	125.79	2.00E-08	GRM8
CL357221	RP44_412J8	T7	7	125949921	125950308	125.95	2.00E-11	GRM8
CL361696	RP44_351B1	T7	7	125958872	125959370	125.96	e-101	GRM8
CL340758	RP44_258L5	T7	7	126020760	126021132	126.02	1.00E-16	GRM8
CL381223	RP44_315F5	T7	7	126024561	126024952	126.02	3.00E-48	GRM8
CL375041	RP44_471M9	T7	7	126041199	126041266	126.04	2.00E-08	GRM8
CL346682	RP44_271A6	SP6	7	126183252	126183628	126.18	4.00E-10	GRM8
CL346603	RP44_271A6	T7	7	126346308	126346463	126.35	1.00E-08	GRM8
CL363895	RP44_392K10	SP6	7	126425247	126425593	126.43	3.00E-66	NA
CL347080	RP44_272A7	T7	7	126943484	126943807	126.94	1.00E-07	p100
CL377600	RP44_457O5	T7	7	127039796	127040110	127.04	5.00E-12	p100
CL354526	RP44_407C24	SP6	7	127040790	127040861	127.04	6.00E-06	p100
CL347164	RP44_272A7	SP6	7	127125023	127125248	127.13	1.00E-66	p100
CL346272	RP44_270O15	SP6	7	127452842	127452976	127.45	1.00E-19	NA
CL356121	RP44_410P24	T7	7	127452842	127452976	127.45	1.00E-19	NA
CL331463	CH242_7N21	SP6	7	127537631	127537917	127.54	2.00E-29	LOC346651
CL330941	CH242_6A9	SP6	7	127903408	127903536	127.90	2.00E-39	NYD-SP18
CL356118	RP44_410P18	T7	7	127961444	127961519	127.96	6.00E-06	NA
CL356201	RP44_410P18	SP6	7	128143718	128143778	128.14	9.00E-11	TRN-SR
CL364472	RP44_396H1	SP6	7	128147648	128147898	128.15	3.00E-09	TRN-SR
CL368028	RP44_288I22	SP6	7	128953530	128953825	128.95	1.00E-33	NA
CL338247	RP44_265D12	SP6	7	129119123	129119211	129.12	1.00E-13	UBE2H
CL338167	RP44_265D12	T7	7	129352099	129352155	129.35	4.00E-09	FLJ14803
CL365941	RP44_356J4	T7	7	129508915	129509395	129.51	e-128	NA

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CL409054	RP44_416H19	T7	7	129685387	129685853	129.69	e-101	COPG2
CL338786	RP44_267O7	SP6	7	129687332	129687712	129.69	5.00E-25	COPG2
CL382317	RP44_323H8	SP6	7	129700058	129700239	129.70	2.00E-11	NA
CL338707	RP44_267O7	T7	7	129815124	129815175	129.82	1.00E-07	NA
CL409598	RP44_417D15	SP6	7	130051080	130051121	130.05	4.00E-09	NA
CL369224	RP44_290K16	T7	7	130131618	130132020	130.13	2.00E-08	LOC346660
CL321028	CH242_15E6	T7	7	130169314	130169442	130.17	2.00E-27	LOC346660
CL332655	CH242_12A20	T7	7	130281795	130282063	130.28	e-104	LOC346661
CL332046	CH242_10A21	SP6	7	130901856	130901974	130.90	8.00E-24	NA
CL413236	RP44_432H22	T7	7	131012330	131014593	131.01	4.00E-29	NA
CL352232	RP44_314G11	SP6	7	131105683	131105738	131.11	3.00E-10	LOC346665
CL328447	RP44_248P19	T7	7	131125399	131125507	131.13	4.00E-16	LOC346665
CL347996	RP44_273H6	T7	7	131313346	131313459	131.31	3.00E-28	KIAA1550
CL329895	CH242_3023	T7	7	131396377	131396502	131.40	2.00E-06	LOC346666
CL337164	RP44_264G1	SP6	7	131692113	131692163	131.69	3.00E-07	DKFZp434G0625
CL347172	RP44_272C13	SP6	7	131807835	131807871	131.81	4.00E-06	FLJ40288
CL361063	RP44_343H7	SP6	7	131916304	131916635	131.92	6.00E-74	FLJ20420
CL360897	RP44_343K21	T7	7	132032228	132032270	132.03	1.00E-09	FLJ20420
CL333533	RP44_250C23	T7	7	132131624	132131805	132.13	1.00E-06	FLJ20420
CL386224	RP44_333C22	SP6	7	132335432	132335520	132.34	5.00E-06	NA
CL369772	RP44_292M20	SP6	7	132461281	132461628	132.46	7.00E-61	SEC8
CL362845	RP44_380N2	T7	7	132481647	132482217	132.48	7.00E-27	SEC8
CL343837	RP44_277I2	SP6	7	132513457	132513807	132.51	3.00E-97	SEC8
CL326573	RP44_243F12	SP6	7	132719001	132719077	132.72	1.00E-12	SEC8
CL353360	RP44_402B14	T7	7	132744172	132744255	132.74	6.00E-11	SEC8
CL377724	RP44_457G8	T7	7	132815296	132815366	132.82	1.00E-09	SEC8
CL367429	RP44_367M8	SP6	7	132848225	132848559	132.85	2.00E-94	SEC8
CL383116	RP44_325H23	SP6	7	132976066	132976244	132.98	5.00E-53	SEC8
CL343701	RP44_277K23	SP6	7	133001834	133001954	133.00	6.00E-06	SEC8
CL342996	RP44_276C3	SP6	7	133741333	133741423	133.74	4.00E-10	BPGM
CL373422	RP44_308B23	SP6	7	133741333	133741423	133.74	4.00E-10	BPGM
CL346497	RP44_270L20	T7	7	133786691	133786741	133.79	1.00E-09	LOC346669
CL361680	RP44_351M13	SP6	7	133811052	133811638	133.81	4.00E-38	NA
CL361595	RP44_351M13	T7	7	133811052	133811638	133.81	4.00E-38	NA
CL346579	RP44_270L20	SP6	7	133985412	133986172	133.99	2.00E-24	CALD1
CL335680	RP44_253L18	SP6	7	134027746	134028205	134.03	2.00E-33	CALD1
CL377279	RP44_449N11	T7	7	134075985	134076031	134.08	1.00E-09	LOC340351
CL347628	RP44_272D18	SP6	7	134202408	134202537	134.20	7.00E-23	LOC340351
CL379853	RP44_428I2	T7	7	134229546	134229582	134.23	7.00E-06	NA
CL380559	RP44_429K16	T7	7	134305152	134305262	134.31	2.00E-07	NA
CL414345	RP44_436H5	T7	7	135337361	135337605	135.34	3.00E-51	NA
CL382485	RP44_324G11	SP6	7	135419557	135420075	135.42	e-166	LOC346681
CL333752	RP44_250G10	SP6	7	135608515	135608566	135.61	2.00E-10	LOC352389
CL369500	RP44_291M18	T7	7	135608515	135608873	135.61	2.00E-11	LOC352389
CL368984	RP44_289N12	SP6	7	136152054	136152152	136.15	3.00E-22	LOC349160
CL358063	RP44_414A23	SP6	7	136152054	136152152	136.15	1.00E-21	LOC349160
CL326396	RP44_243O14	SP6	7	136372627	136372885	136.37	2.00E-14	PTN
CL354767	RP44_408O16	T7	7	136471909	136472030	136.47	1.00E-13	NA
CL374429	RP44_470G7	SP6	7	136489613	136489896	136.49	6.00E-64	DGKI
CL388024	RP44_284E15	SP6	7	136490175	136490206	136.49	7.00E-08	DGKI
CL360535	RP44_339B21	SP6	7	136651679	136651739	136.65	3.00E-08	DGKI
CL354835	RP44_408O16	SP6	7	136667057	136667376	136.67	5.00E-09	DGKI
CL387988	RP44_284M15	T7	7	136667057	136667376	136.67	6.00E-09	DGKI
CL384320	RP44_328F2	SP6	7	136672171	136672309	136.67	3.00E-45	DGKI
CL333361	RP44_249O14	SP6	7	136672216	136672300	136.67	2.00E-27	DGKI
CL343976	RP44_277H19	SP6	7	136679767	136679815	136.68	2.00E-06	DGKI
CL355743	RP44_410E16	T7	7	136843461	136843716	136.84	9.00E-62	DGKI
CL361729	RP44_351H17	T7	7	138048872	138049261	138.05	2.00E-15	NA
CL370119	RP44_294H17	T7	7	138283687	138283740	138.28	1.00E-06	NA
CL359278	RP44_336H15	T7	7	138813352	138813533	138.81	2.00E-29	TBXAS1
CL355221	RP44_409A14	SP6	7	138929571	138929808	138.93	2.00E-18	TBXAS1
CL355359	RP44_409L23	T7	7	138929571	138929808	138.93	2.00E-18	TBXAS1
CL355203	RP44_409M18	T7	7	138929571	138929808	138.93	2.00E-18	TBXAS1
CL355174	RP44_409G14	T7	7	139003960	139004314	139.00	e-107	TBXAS1
CL377912	RP44_422F23	SP6	7	139025000	139025533	139.03	3.00E-63	TBXAS1

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL355282	RP44_409M18	SP6	7	139132167	139132296	139.13	2.00E-18	KIAA1718
CL386527	RP44_334E14	SP6	7	139620204	139621189	139.62	3.00E-07	KIAA1277
CL328955	RP44_382F3	SP6	7	139634790	139634826	139.63	5.00E-06	NA
CL367710	RP44_372G23	SP6	7	139756711	139757058	139.76	3.00E-28	NA
CL337772	RP44_265E21	SP6	7	140502218	140502592	140.50	1.00E-43	NA
CL325752	RP44_242A11	SP6	7	140506578	140506656	140.51	9.00E-10	NA
CL379508	RP44_426J4	T7	7	140506578	140506807	140.51	1.00E-09	NA
CL387463	RP44_281B19	T7	7	140587882	140587968	140.59	4.00E-07	FLJ10842
CL353180	RP44_402M20	SP6	7	140819063	140819162	140.82	7.00E-27	SSBP1
CL323406	RP44_458M15	SP6	7	140819063	140819162	140.82	8.00E-27	SSBP1
CL354023	RP44_405M1	SP6	7	140870484	140870529	140.87	2.00E-11	LOC136242
CL353949	RP44_405M1	T7	7	141090131	141116943	141.10	1.00E-15	NA
CL374079	RP44_469B19	SP6	7	141282489	141282890	141.28	3.00E-29	NA
CL345559	RP44_280E8	SP6	7	142089275	142089425	142.09	7.00E-12	NA
CL362083	RP44_353F15	SP6	7	142090194	142090468	142.09	2.00E-11	NA
CL369345	RP44_291A19	T7	7	142093455	142093507	142.09	5.00E-11	NA
CL369299	RP44_290I8	SP6	7	143297023	143376569	143.34	3.00E-13	NA
CL354730	RP44_408G12	T7	7	143474392	143474748	143.47	2.00E-43	TPK1
CL328178	RP44_248I15	SP6	7	143596363	143596961	143.60	2.00E-58	TPK1
CL375161	RP44_471C14	T7	7	143596364	143597007	143.60	2.00E-61	TPK1
CL366808	RP44_362P14	T7	7	143624118	143624476	143.62	1.00E-47	TPK1
CL357351	RP44_413E13	T7	7	143783120	143783303	143.78	3.00E-11	TPK1
CL349534	RP44_309G20	SP6	7	143909458	143909506	143.91	1.00E-10	NA
CL326826	RP44_244M10	T7	7	144179253	144179725	144.18	2.00E-39	LOC352328
CL348091	RP44_273L12	SP6	7	144614773	144615186	144.61	2.00E-15	LOC346530
CL353827	RP44_403P6	T7	7	144887169	144887534	144.89	5.00E-50	NA
CL346642	RP44_271I4	T7	7	145165802	145166174	145.17	1.00E-41	LOC346531
CL377152	RP44_449C24	SP6	7	145268526	145268723	145.27	3.00E-08	LOC346532
CL368001	RP44_375A11	T7	7	145444241	145444315	145.44	9.00E-07	LOC346533
CL377069	RP44_449C24	T7	7	145457880	145458025	145.46	1.00E-13	LOC346533
CL387020	RP44_335I14	T7	7	145531535	145531824	145.53	3.00E-29	LOC346533
CL411077	RP44_420O18	T7	7	145531936	145531988	145.53	8.00E-11	LOC346533
CL333459	RP44_249D16	SP6	7	145732157	145732256	145.73	4.00E-13	LOC346534
CL350344	RP44_310P9	SP6	7	145892820	145893112	145.89	1.00E-19	CNTNAP2
CL348387	RP44_274H13	SP6	7	146108754	146109197	146.11	4.00E-47	CNTNAP2
CL354113	RP44_405K8	SP6	7	146108955	146109197	146.11	9.00E-13	CNTNAP2
CL336889	RP44_263P19	SP6	7	146162606	146162642	146.16	7.00E-06	CNTNAP2
CL409699	RP44_417J16	T7	7	146279995	146280092	146.28	2.00E-06	CNTNAP2
CL357642	RP44_413M22	SP6	7	146292804	146292899	146.29	4.00E-10	CNTNAP2
CL409763	RP44_417J16	SP6	7	146434793	146434850	146.43	6.00E-06	CNTNAP2
CL385472	RP44_330N24	T7	7	146455722	146456207	146.46	1.00E-53	CNTNAP2
CL385553	RP44_330N24	SP6	7	146655141	146655701	146.66	2.00E-73	CNTNAP2
CL341709	RP44_261C7	SP6	7	146674650	146674706	146.67	2.00E-08	CNTNAP2
CL411948	RP44_430G14	T7	7	146772878	146773202	146.77	3.00E-48	CNTNAP2
CL352527	RP44_401E20	SP6	7	147032284	147032781	147.03	7.00E-14	CNTNAP2
CL381744	RP44_316M4	T7	7	147048986	147049080	147.05	1.00E-09	CNTNAP2
CL329697	RP44_394F8	SP6	7	147240822	147240923	147.24	7.00E-14	CNTNAP2
CL369794	RP44_292C16	T7	7	147641463	147642098	147.64	3.00E-38	NA
CL328910	RP44_373P18	SP6	7	147831568	147831781	147.83	3.00E-41	EZH2
CL369719	RP44_292C16	SP6	7	147831692	147831781	147.83	2.00E-07	EZH2
CL377573	RP44_457I17	T7	7	147931221	147931470	147.93	4.00E-34	LOC346536
CL382918	RP44_325A20	SP6	7	148130077	148130845	148.13	1.00E-44	LOC155054
CL326508	RP44_243H6	T7	7	148209843	148209911	148.21	1.00E-12	ZNF282
CL326107	RP44_242P16	SP6	7	149058772	153065843	151.06	5.00E-12	NA
CL383325	RP44_325P14	SP6	7	149974087	149974190	149.97	4.00E-34	KCNH2
CL363663	RP44_388P6	SP6	7	150184642	150185043	150.18	2.00E-24	NA
CL355443	RP44_409N21	SP6	7	150212351	150212428	150.21	3.00E-16	LOC346545
CL355593	RP44_409P6	SP6	7	150212351	150212428	150.21	3.00E-16	LOC346545
CL325449	RP44_241L19	T7	7	150568337	150568724	150.57	1.00E-18	PRKAG2
CL373688	RP44_469I1	T7	7	150659389	150659442	150.66	3.00E-11	PRKAG2
CL338839	RP44_267M2	T7	7	150748453	150748603	150.75	3.00E-50	PRKAG2
CL360129	RP44_338H22	SP6	7	150766235	150766388	150.77	1.00E-56	PRKAG2
CL365690	RP44_355H11	T7	7	151192894	151193310	151.19	e-132	MLL3
CL326482	RP44_243B10	T7	7	151207111	151207229	151.21	4.00E-13	MLL3
CL337306	RP44_264C18	SP6	7	151207111	151207247	151.21	2.00E-14	MLL3

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL342779	RP44_262L6	T7	7	152469860	152470108	152.47	1.00E-15	NA
CL348226	RP44_274G23	SP6	7	152521424	152521525	152.52	4.00E-16	NA
CL390141	RP44_288M23	T7	7	152660856	152660884	152.66	6.00E-06	LOC352336
CL327719	RP44_246E16	SP6	7	152853416	152853739	152.85	3.00E-66	NA
CL381993	RP44_323G10	T7	7	153791699	153791860	153.79	5.00E-13	DPP6
CL365000	RP44_400A20	SP6	7	154030727	154030761	154.03	4.00E-07	NA
CL362462	RP44_377I6	SP6	7	154780215	154780469	154.78	1.00E-68	MGC20460
CL360137	RP44_338J24	SP6	7	155237903	155238004	155.24	1.00E-18	NA
CL349595	RP44_309D19	T7	7	156109385	156109431	156.11	2.00E-11	LOC352208
CL325878	RP44_242G14	SP6	7	156302746	156303160	156.30	9.00E-35	KIAA0010
CL372696	RP44_306P1	SP6	7	156350953	156351094	156.35	2.00E-21	KIAA0010
CL349665	RP44_309D19	SP6	7	156350953	156351125	156.35	8.00E-33	KIAA0010
CL330049	CH242_3M18	T7	7	157080721	157080851	157.08	1.00E-40	PTPRN2
CL359754	RP44_337M8	SP6	7	157509749	157509877	157.51	1.00E-09	PTPRN2
CL359446	RP44_336L8	T7	8	716084	716148	0.72	2.00E-08	NA
CL368465	RP44_289G7	SP6	8	1127149	1127292	1.13	3.00E-10	NA
CL336356	RP44_262L12	SP6	8	1155456	1155544	1.16	7.00E-18	LOC352419
CL333412	RP44_249J16	T7	8	1539895	1540081	1.54	4.00E-16	NA
CL364502	RP44_396N13	SP6	8	2630132	2630235	2.63	4.00E-19	LOC346772
CL326960	RP44_244J20	T7	8	2650935	2650992	2.65	6.00E-09	LOC346772
CL352526	RP44_401E18	SP6	8	2732809	2732878	2.73	2.00E-16	NA
CL380241	RP44_428B16	SP6	8	2943585	2944022	2.94	2.00E-95	NA
CL410288	RP44_418J22	SP6	8	3197056	3197132	3.20	7.00E-11	CSMD1
CL322153	RP44_404E5	SP6	8	3237333	3237521	3.24	3.00E-09	CSMD1
CL323384	RP44_458K15	T7	8	3351481	3351554	3.35	3.00E-09	CSMD1
CL326515	RP44_243H22	T7	8	3617790	3617842	3.62	3.00E-08	CSMD1
CL330518	CH242_4K23	T7	8	3654645	3654750	3.65	7.00E-21	CSMD1
CL439951	RP44_299C12	SP6	8	3835589	3835815	3.84	1.00E-62	CSMD1
CL340815	RP44_258F13	SP6	8	4258806	4259227	4.26	1.00E-55	CSMD1
CL384148	RP44_328B21	SP6	8	4347379	4347598	4.35	4.00E-84	CSMD1
CL353301	RP44_402B16	SP6	8	4347379	4347598	4.35	2.00E-84	CSMD1
CL387797	RP44_283E5	T7	8	5041260	5041780	5.04	2.00E-17	NA
CL369318	RP44_290M6	SP6	8	5227457	5227497	5.23	4.00E-06	NA
CL360263	RP44_339K13	T7	8	6114595	6114660	6.11	1.00E-06	NA
CL380923	RP44_314J23	T7	8	6230123	6230255	6.23	3.00E-18	NA
CL327249	RP44_245M4	T7	8	6553489	6553553	6.55	3.00E-06	ANGPT2
CL355645	RP44_410M11	T7	8	6759265	6759350	6.76	2.00E-06	FLJ11210
CL412895	RP44_431B12	T7	8	8285045	8285146	8.29	4.00E-06	LOC346692
CL412961	RP44_431N20	T7	8	8285045	8285146	8.29	6.00E-06	LOC346692
CL320375	CH242_6H8	T7	8	8600709	8600946	8.60	9.00E-45	MFHAS1
CL327281	RP44_245E6	SP6	8	8651658	8651735	8.65	2.00E-11	NA
CL333586	RP44_250A9	SP6	8	8726784	8726883	8.73	4.00E-15	NA
CL350598	RP44_311A17	SP6	8	9662021	9662111	9.66	1.00E-33	NA
CL358703	RP44_415G21	SP6	8	9741872	9741900	9.74	6.00E-06	LOC346701
CL350519	RP44_311A17	T7	8	9853036	9853337	9.85	2.00E-70	MSRA
CL346282	RP44_270B15	T7	8	10143340	10143563	10.14	2.00E-20	MSRA
CL341634	RP44_261C13	T7	8	10157363	10209996	10.18	4.00E-35	MSRA
CL386339	RP44_333L14	T7	8	10590831	10591043	10.59	3.00E-39	NA
CL381204	RP44_315B13	T7	8	10591789	10592100	10.59	3.00E-90	NA
CL329935	CH242_3G19	SP6	8	10625402	10626043	10.63	e-109	LOC286046
CL363516	RP44_388N21	SP6	8	10720614	10720709	10.72	5.00E-20	LOC286046
CL331296	CH242_7I8	SP6	8	10778966	10779068	10.78	3.00E-09	NA
CL342940	RP44_276G19	T7	8	12405931	12406597	12.41	2.00E-06	LOC340357
CL329460	RP44_394K4	T7	8	12755382	12755491	12.76	3.00E-11	DLC1
CL367285	RP44_365O5	SP6	8	12890783	12891020	12.89	5.00E-64	FLJ21120
CL357875	RP44_413N4	T7	8	12941833	12942345	12.94	7.00E-46	FLJ21120
CL343016	RP44_276G1	SP6	8	12990155	12990593	12.99	3.00E-35	FLJ21120
CL335629	RP44_253P20	T7	8	12990193	12990484	12.99	9.00E-32	FLJ21120
CL366709	RP44_362J17	SP6	8	13021144	13021202	13.02	2.00E-06	FLJ21120
CL366316	RP44_358D14	T7	8	13021144	13021202	13.02	2.00E-06	FLJ21120
CL357961	RP44_413N4	SP6	8	13111956	13112120	13.11	3.00E-11	FLJ21120
CL367679	RP44_372A3	SP6	8	13133949	13134131	13.13	5.00E-12	FLJ21120
CL335698	RP44_253P20	SP6	8	13207453	13207647	13.21	2.00E-42	NA
CL347736	RP44_273O23	T7	8	13207453	13207647	13.21	6.00E-48	NA
CL342932	RP44_276G1	T7	8	13207453	13207739	13.21	1.00E-47	NA

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CL379760	RP44_428G9	SP6	8	14391201	14391286	14.39	2.00E-18	NA
CL368361	RP44_289C19	T7	8	14393256	14393887	14.39	5.00E-53	NA
CL379674	RP44_428G9	T7	8	14589815	14590296	14.59	4.00E-75	NA
CL361811	RP44_351H15	SP6	8	14645571	14645936	14.65	5.00E-16	NA
CL359155	RP44_335N12	T7	8	14655719	14655947	14.66	4.00E-56	NA
CL385310	RP44_330L3	T7	8	14659190	14659457	14.66	7.00E-58	NA
CL408775	RP44_415N12	SP6	8	14848776	14848870	14.85	2.00E-12	NA
CL340555	RP44_257B2	T7	8	15170459	15171122	15.17	2.00E-09	NA
CL371200	RP44_302O8	T7	8	15693874	15693985	15.69	2.00E-12	NA
CL352282	RP44_314A24	T7	8	15694592	15695009	15.69	2.00E-15	NA
CL383705	RP44_327C23	SP6	8	15864519	15864591	15.86	7.00E-09	NA
CL339387	RP44_268J6	T7	8	15864782	15864908	15.86	6.00E-15	NA
CL330479	CH242_3P8	SP6	8	16301225	16301350	16.30	3.00E-14	NA
CL376865	RP44_445P1	SP6	8	16482866	16483060	16.48	6.00E-06	LOC352442
CL347710	RP44_273K5	T7	8	16493068	16493183	16.49	8.00E-08	LOC352442
CL388492	RP44_284D20	SP6	8	16731060	16731148	16.73	2.00E-39	LOC286097
CL330955	CH242_6C21	SP6	8	16961880	16962113	16.96	2.00E-49	FLJ32642
CL411796	RP44_430I21	T7	8	17285559	17285598	17.29	9.00E-08	PDGFRL
CL345634	RP44_280F7	T7	8	17535723	17535816	17.54	1.00E-22	FGL1
CL360587	RP44_339N19	SP6	8	17678039	17678528	17.68	7.00E-36	PCM1
CL360595	RP44_339P19	SP6	8	17678108	17678647	17.68	4.00E-59	PCM1
CL357817	RP44_413B18	T7	8	17694436	17694591	17.69	4.00E-13	PCM1
CL338061	RP44_265P1	T7	8	18346899	18347274	18.35	4.00E-13	EFA6R
CL370572	RP44_295J12	SP6	8	18416203	18416239	18.42	2.00E-08	EFA6R
CL374634	RP44_470M6	SP6	8	19420579	19421196	19.42	7.00E-15	NA
CL341771	RP44_261O17	SP6	8	19603788	19603824	19.60	2.00E-08	NA
CL341692	RP44_261O17	T7	8	19879921	19880182	19.88	7.00E-27	ATP6V1B2
CL382277	RP44_323P4	T7	8	19879979	19880182	19.88	6.00E-12	ATP6V1B2
CL357871	RP44_413L18	T7	8	19927717	19927825	19.93	1.00E-15	NA
CL339057	RP44_268C2	T7	8	20032637	20032689	20.03	1.00E-10	NA
CL378276	RP44_423B2	SP6	8	20080115	20080206	20.08	7.00E-17	NA
CL330969	CH242_6G3	SP6	8	20304111	20304230	20.30	5.00E-13	NA
CL323342	RP44_458G15	T7	8	20812271	20812387	20.81	6.00E-12	LOC169369
CL369228	RP44_290K24	T7	8	20957869	20957997	20.96	2.00E-09	NA
CL353702	RP44_403P13	T7	8	21096383	21096604	21.10	7.00E-33	LOC352451
CL348475	RP44_274J16	T7	8	21113712	21113956	21.11	4.00E-72	LOC352451
CL325757	RP44_242A23	SP6	8	21155504	21156008	21.16	6.00E-52	LOC352452
CL352067	RP44_313D16	SP6	8	21312772	21313093	21.31	4.00E-10	LOC347007
CL327012	RP44_244F16	SP6	8	21369614	21369737	21.37	5.00E-33	GFRA2
CL384075	RP44_328D1	T7	8	21450816	21450913	21.45	4.00E-19	NA
CL384226	RP44_328D2	T7	8	21450816	21450913	21.45	5.00E-19	NA
CL366795	RP44_362N2	T7	8	21559043	21559152	21.56	2.00E-18	NA
CL345848	RP44_280N6	T7	8	21666375	21666716	21.67	2.00E-61	XPO7
CL367920	RP44_374P3	T7	8	21682835	21682908	21.68	1.00E-13	XPO7
CL342219	RP44_261N12	SP6	8	21724123	21724378	21.72	e-120	FGF17
CL342144	RP44_261N12	T7	8	21871048	21871195	21.87	3.00E-25	BMP1
CL323294	RP44_458C1	SP6	8	22152319	22152979	22.15	3.00E-14	PPP3CC
CL379642	RP44_428A7	T7	8	22214636	22214701	22.21	6.00E-09	PPP3CC
CL351248	RP44_312E3	SP6	8	22344830	22345240	22.35	6.00E-79	BIN3
CL371433	RP44_302N15	SP6	8	22349790	22350007	22.35	3.00E-07	NA
CL379728	RP44_428A7	SP6	8	22403295	22403578	22.40	1.00E-44	MGC22776
CL369234	RP44_290M12	T7	8	22552315	22552558	22.55	7.00E-73	MGC22776
CL338845	RP44_267M18	T7	8	22703705	22876252	22.79	6.00E-06	TNFRSF10A
CL329131	RP44_382F22	SP6	8	22956261	22956386	22.96	1.00E-06	NA
CL336288	RP44_255N11	SP6	8	23115245	23115388	23.12	7.00E-20	LYSAL1
CL336207	RP44_255N11	T7	8	23301162	23301244	23.30	9.00E-10	NA
CL389252	RP44_286E6	SP6	8	23358594	23358741	23.36	7.00E-24	NKX3-1
CL369643	RP44_292A17	SP6	8	23611276	23611331	23.61	4.00E-06	NA
CL341310	RP44_260D1	T7	8	24143710	24143810	24.14	1.00E-22	ADAM7
CL385760	RP44_332M18	T7	8	24554009	24554051	24.55	4.00E-07	LOC346745
CL341814	RP44_261G24	T7	8	24681764	24681970	24.68	2.00E-36	NA
CL350831	RP44_311D5	T7	8	24681764	24681970	24.68	1.00E-31	NA
CL412271	RP44_430H20	T7	8	24681764	24681970	24.68	1.00E-31	NA
CL345466	RP44_280C10	T7	8	24791489	24791671	24.79	7.00E-18	NA
CL387910	RP44_283K19	SP6	8	24822463	24822823	24.82	e-125	NA

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CL414037	RP44_435N2	T7	8	24822546	24822820	24.82	8.00E-93	NA
CL349158	RP44_308J22	T7	8	24846671	24847007	24.85	2.00E-09	NA
CL341901	RP44_261G24	SP6	8	24881412	24881469	24.88	6.00E-06	LOC286061
CL343170	RP44_276A24	SP6	8	24881720	24882015	24.88	5.00E-09	LOC286061
CL412355	RP44_430H20	SP6	8	24902083	24902158	24.90	2.00E-08	LOC286061
CL322374	RP44_404F6	T7	8	24970096	24970267	24.97	6.00E-48	LOC286061
CL375546	RP44_471P12	T7	8	25211966	25212110	25.21	7.00E-08	NA
CL351033	RP44_311L8	T7	8	25214605	25215151	25.21	0	NA
CL348448	RP44_274D18	T7	8	25422794	25422858	25.42	2.00E-15	LOC352406
CL372115	RP44_305K1	T7	8	25601962	25602125	25.60	2.00E-41	NA
CL380100	RP44_428H19	SP6	8	25754891	25754950	25.75	8.00E-08	LOC352408
CL360641	RP44_340J24	T7	8	25897298	25897513	25.90	1.00E-11	NA
CL352021	RP44_313L8	T7	8	26024665	26024759	26.02	2.00E-09	PPP2R2A
CL364589	RP44_396F4	SP6	8	26369850	26369904	26.37	1.00E-14	NA
CL409083	RP44_416N15	T7	8	26536863	26536907	26.54	6.00E-11	ADRA1A
CL329578	RP44_394H23	T7	8	26576106	26576229	26.58	6.00E-12	NA
CL329579	RP44_394H23	SP6	8	26821910	26822012	26.82	2.00E-09	LOC346845
CL376459	RP44_444N17	T7	8	27066160	27066245	27.07	1.00E-06	PTK2B
CL334775	RP44_252A13	SP6	8	27122247	27122349	27.12	4.00E-20	PTK2B
CL351885	RP44_313B11	SP6	8	27522750	27523074	27.52	2.00E-08	LOC203064
CL368788	RP44_289H7	SP6	8	27532232	27532290	27.53	2.00E-07	NA
CL343394	RP44_276P3	SP6	8	27738559	27738686	27.74	2.00E-24	LOC352409
CL351445	RP44_312L20	SP6	8	27996262	27996529	28.00	e-111	PNOC
CL381343	RP44_315L17	SP6	8	28042947	28043050	28.04	9.00E-11	LOC55893
CL376703	RP44_445O21	SP6	8	28507502	28507589	28.51	9.00E-08	FLJ10871
CL321981	RP44_399B7	SP6	8	28600596	28600658	28.60	3.00E-07	NA
CL345136	RP44_279D18	T7	8	28745357	28745480	28.75	4.00E-07	KIF13B
CL345202	RP44_279B10	SP6	8	28918723	28918820	28.92	6.00E-09	KIF13B
CL368680	RP44_289B13	T7	8	29181371	29181428	29.18	1.00E-06	LOC346851
CL411862	RP44_430I11	SP6	8	29431481	29431607	29.43	4.00E-19	LOC349164
CL413751	RP44_435O9	T7	8	29595503	29596054	29.60	1.00E-41	LOC352469
CL343951	RP44_277B9	SP6	8	29595646	29595818	29.60	6.00E-24	LOC352469
CL411791	RP44_430I11	T7	8	29690690	29690753	29.69	5.00E-06	NA
CL365673	RP44_355D11	T7	8	30045623	30045713	30.05	5.00E-06	LOC340416
CL413463	RP44_433C6	SP6	8	30239651	30239718	30.24	4.00E-10	RBPM5
CL388725	RP44_285E14	T7	8	30349945	30350270	30.35	3.00E-79	GTF2E2
CL377140	RP44_449A18	SP6	8	30351825	30351895	30.35	2.00E-09	GTF2E2
CL360665	RP44_340P8	T7	8	30394606	30394807	30.39	2.00E-36	GSR
CL345452	RP44_280O21	SP6	8	30479925	30480102	30.48	9.00E-26	D8S2298E
CL347515	RP44_272H5	SP6	8	30522291	30522371	30.52	4.00E-06	PPP2CB
CL360735	RP44_340P8	SP6	8	30550851	30551274	30.55	2.00E-23	TEX15
CL321996	RP44_399D7	T7	8	30712473	30712956	30.71	6.00E-18	PURG
CL352283	RP44_314C2	T7	8	31024995	31025044	31.03	2.00E-06	LOC346858
CL382437	RP44_324O3	T7	8	31040374	31040419	31.04	6.00E-09	LOC346858
CL354050	RP44_405A24	T7	8	31103496	31103559	31.10	6.00E-08	LOC346858
CL385650	RP44_332C9	SP6	8	31266436	31266562	31.27	1.00E-20	NA
CL382522	RP44_324O3	SP6	8	31326726	31327236	31.33	2.00E-09	NA
CL380160	RP44_428D8	T7	8	31379775	31379953	31.38	2.00E-21	LOC346860
CL322678	RP44_416I10	SP6	8	31506289	31506413	31.51	4.00E-09	NA
CL355234	RP44_409C20	SP6	8	31742792	31742992	31.74	2.00E-33	LOC346862
CL352784	RP44_401L2	T7	8	31809361	31809559	31.81	6.00E-06	LOC346862
CL377762	RP44_457O2	T7	8	31826272	31826301	31.83	1.00E-06	LOC346862
CL388154	RP44_284A16	SP6	8	31933968	31934123	31.93	1.00E-40	NA
CL371210	RP44_302A8	SP6	8	31933968	31934123	31.93	1.00E-40	NA
CL333451	RP44_249B20	SP6	8	31955130	31955279	31.96	1.00E-28	NA
CL377848	RP44_457O2	SP6	8	32011140	32011359	32.01	3.00E-35	LOC346863
CL382508	RP44_324K17	SP6	8	32148222	32148251	32.15	2.00E-06	NA
CL383074	RP44_325B5	SP6	8	32363079	32363646	32.36	2.00E-55	NRG1
CL414102	RP44_435N12	SP6	8	32379146	32379275	32.38	1.00E-15	NRG1
CL412849	RP44_431H21	SP6	8	32433744	32434000	32.43	5.00E-28	NRG1
CL413563	RP44_433H14	T7	8	32434097	32434712	32.43	3.00E-51	NRG1
CL337298	RP44_264A24	SP6	8	32776692	32776837	32.78	1.00E-18	NA
CL352185	RP44_314M3	T7	8	32820062	32820557	32.82	1.00E-25	LOC157591
CL375366	RP44_471L5	T7	8	32973109	32973457	32.97	5.00E-15	NA
CL329822	CH242_3C3	T7	8	32986778	32986983	32.99	6.00E-18	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL322941	RP44_437G20	SP6	8	33322883	33323113	33.32	2.00E-09	LOC346867
CL325890	RP44_242I20	SP6	8	34017985	34018311	34.02	4.00E-15	NA
CL371262	RP44_302K14	SP6	8	34027238	34027560	34.03	5.00E-06	NA
CL329596	RP44_394J23	SP6	8	34181868	34182196	34.18	e-111	NA
CL354618	RP44_408K3	T7	8	34200849	34201195	34.20	5.00E-77	NA
CL350478	RP44_310J6	SP6	8	34205361	34205411	34.21	5.00E-07	NA
CL350488	RP44_310L6	SP6	8	34205361	34205411	34.21	4.00E-07	NA
CL346386	RP44_270H9	SP6	8	34245174	34245453	34.25	7.00E-14	NA
CL329440	RP44_394I2	T7	8	34708371	34708864	34.71	5.00E-68	NA
CL370336	RP44_295M7	SP6	8	34708680	34708864	34.71	1.00E-29	NA
CL371454	RP44_302D10	T7	8	34984336	34984637	34.98	4.00E-72	NA
CL411279	RP44_420L7	SP6	8	35166663	35167050	35.17	3.00E-59	LOC352477
CL383838	RP44_327A2	SP6	8	35175978	35176029	35.18	1.00E-07	LOC352477
CL348986	RP44_275N23	T7	8	35490160	35490261	35.49	3.00E-09	UNC5D
CL385952	RP44_332F23	SP6	8	35492507	35492867	35.49	1.00E-43	UNC5D
CL368259	RP44_288L20	T7	8	35494937	35495102	35.50	6.00E-31	UNC5D
CL339567	RP44_255J24	T7	8	35498549	35498594	35.50	5.00E-09	UNC5D
CL349068	RP44_275N23	SP6	8	35760636	35760935	35.76	1.00E-36	NA
CL321738	CH242_13F9	T7	8	35849886	35850095	35.85	5.00E-31	NA
CL337046	RP44_263P14	SP6	8	35856387	35856606	35.86	4.00E-16	NA
CL345474	RP44_280E6	T7	8	36207810	36208446	36.21	2.00E-37	LOC347011
CL334937	RP44_252G6	SP6	8	36342132	36342644	36.34	e-154	LOC347014
CL332135	CH242_10A18	T7	8	36394345	36394649	36.39	6.00E-46	LOC347014
CL357970	RP44_413P2	SP6	8	37275674	37275801	37.28	3.00E-48	LOC346804
CL373502	RP44_308D6	T7	8	37447062	37447272	37.45	1.00E-21	NA
CL329501	RP44_394O20	T7	8	37457679	37457757	37.46	6.00E-12	C8orf2
CL335733	RP44_254G17	T7	8	37470944	37471044	37.47	8.00E-11	NA
CL347961	RP44_273O12	SP6	8	37515157	37515257	37.52	4.00E-18	GPR124
CL382216	RP44_323D8	T7	8	37832517	37833603	37.83	2.00E-06	KIAA0725
CL381640	RP44_316E17	SP6	8	38022955	38023032	38.02	2.00E-11	FGFR1
CL388376	RP44_284N7	SP6	8	38049148	38049353	38.05	3.00E-47	FGFR1
CL376969	RP44_449C1	SP6	8	38062376	38063103	38.06	1.00E-09	FGFR1
CL383701	RP44_327C13	SP6	8	38379111	38379149	38.38	3.00E-07	TACC1
CL337918	RP44_265C2	SP6	8	38580931	38581060	38.58	3.00E-16	FLJ90724
CL328269	RP44_248K16	T7	8	39097816	39097909	39.10	2.00E-11	NA
CL361129	RP44_344F16	T7	8	39110871	39110923	39.11	5.00E-11	NA
CL336560	RP44_263M23	SP6	8	39260620	39260658	39.26	2.00E-09	ADAM18
CL334060	RP44_250J20	SP6	8	40042274	40042377	40.04	5.00E-22	LOC347022
CL371177	RP44_302I20	T7	8	40042274	40042377	40.04	2.00E-18	LOC347022
CL389376	RP44_286P17	T7	8	40132292	40132891	40.13	6.00E-80	FLJ13842
CL440075	RP44_299D10	T7	8	40195453	40195536	40.20	1.00E-06	FLJ13842
CL373119	RP44_307F15	SP6	8	41711272	41711317	41.71	1.00E-06	NA
CL379922	RP44_428E12	SP6	8	42101593	42101683	42.10	1.00E-06	SLC20A2
CL342321	RP44_262A21	SP6	8	42598029	42598262	42.60	3.00E-26	HOOK3
CL374549	RP44_470M6	T7	8	42755718	42755783	42.76	1.00E-06	FLJ32731
CL320242	CH242_2M22	T7	8	47716836	47716901	47.72	4.00E-09	LOC346750
CL320986	CH242_15A8	SP6	8	48443038	48443080	48.44	4.00E-07	PRKDC
CL354584	RP44_408A15	T7	8	48490936	48491109	48.49	1.00E-58	PRKDC
CL320185	CH242_2G19	T7	8	48532902	48533043	48.53	4.00E-33	PRKDC
CL362734	RP44_380F1	SP6	8	48568820	48568924	48.57	4.00E-13	PRKDC
CL355919	RP44_410J15	T7	8	48571462	48571513	48.57	8.00E-08	PRKDC
CL379866	RP44_428K6	T7	8	48685683	60897913	54.79	5.00E-06	CA8
CL346430	RP44_270P7	SP6	8	49349479	49349621	49.35	7.00E-38	FLJ11767
CL378269	RP44_423P10	T7	8	49349479	49349621	49.35	4.00E-43	FLJ11767
CL388632	RP44_285A11	SP6	8	50377525	50377662	50.38	6.00E-21	NA
CL373005	RP44_307B1	T7	8	52470155	52470203	52.47	5.00E-06	LOC115294
CL377888	RP44_422B7	SP6	8	52780758	52781021	52.78	9.00E-08	ST18
CL413031	RP44_431N6	SP6	8	52877747	52877941	52.88	2.00E-17	ST18
CL333755	RP44_250G16	SP6	8	53041149	53041427	53.04	7.00E-82	ST18
CL331617	CH242_8M5	SP6	8	53042679	53042781	53.04	2.00E-07	ST18
CL348714	RP44_275M3	SP6	8	53251359	53251661	53.25	8.00E-11	NA
CL349326	RP44_309M11	T7	8	53861500	53862010	53.86	1.00E-10	NA
CL321806	CH242_15A17	T7	8	54428822	54428929	54.43	8.00E-12	ATP6V1H
CL328027	RP44_246J14	SP6	8	54565807	54565846	54.57	3.00E-10	RGS20
CL381177	RP44_314N6	SP6	8	55146284	55146604	55.15	7.00E-73	NA

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CL381135	RP44_314F6	SP6	8	55146322	55146604	55.15	5.00E-52	NA
CL365653	RP44_354M19	SP6	8	55629314	55629346	55.63	3.00E-06	NA
CL411493	RP44_422C6	T7	8	55800946	55801105	55.80	1.00E-16	KIAA1889
CL411568	RP44_422C6	SP6	8	56025797	56025923	56.03	1.00E-09	KIAA1889
CL359548	RP44_337G11	T7	8	56025797	56025923	56.03	1.00E-09	KIAA1889
CL339239	RP44_268L9	T7	8	56125535	56125569	56.13	3.00E-07	KIAA1889
CL374093	RP44_469F1	SP6	8	56796419	56796886	56.80	e-108	PLAG1
CL370921	RP44_300D13	SP6	8	56935305	56935682	56.94	2.00E-12	NA
CL347767	RP44_273E23	SP6	8	57111676	57112420	57.11	6.00E-12	NA
CL342347	RP44_262G19	SP6	8	57725841	57725877	57.73	7.00E-06	NA
CL343239	RP44_276O16	SP6	8	58241579	58241639	58.24	3.00E-08	NA
CL355252	RP44_409G16	SP6	8	58287000	58287054	58.29	3.00E-07	NA
CL368876	RP44_289J2	T7	8	58737783	58737882	58.74	1.00E-19	MGC39325
CL408686	RP44_415L20	T7	8	58891380	58891478	58.89	4.00E-10	NA
CL350087	RP44_310K2	T7	8	58891380	58891746	58.89	3.00E-32	NA
CL358513	RP44_414B16	SP6	8	58891781	58892326	58.89	9.00E-79	NA
CL388962	RP44_285J8	SP6	8	58915749	58915881	58.92	9.00E-31	NA
CL358428	RP44_414B16	T7	8	59125931	59126024	59.13	3.00E-16	CYP7A1
CL382076	RP44_323G6	SP6	8	59125931	59126123	59.13	4.00E-16	CYP7A1
CL357084	RP44_412N17	T7	8	59225781	59225831	59.23	1.00E-09	NSMAF
CL342712	RP44_262N17	SP6	8	59538980	59539582	59.54	e-129	TOX
CL380248	RP44_428D6	SP6	8	59557806	59557908	59.56	1.00E-16	TOX
CL379978	RP44_428O12	SP6	8	59557806	59557908	59.56	1.00E-16	TOX
CL320645	CH242_13A9	T7	8	59581871	59582426	59.58	e-136	TOX
CL358965	RP44_335H15	T7	8	59588444	59588716	59.59	9.00E-60	TOX
CL361767	RP44_351P7	T7	8	59742454	59743109	59.74	8.00E-64	TOX
CL380159	RP44_428D6	T7	8	59747553	59747974	59.75	6.00E-40	TOX
CL343543	RP44_276L20	SP6	8	59753704	59754186	59.75	3.00E-17	TOX
CL355663	RP44_410A9	SP6	8	59773721	59773793	59.77	4.00E-06	NA
CL341761	RP44_261M13	SP6	8	59797044	59797619	59.80	e-154	NA
CL341728	RP44_261G13	SP6	8	59797044	59797642	59.80	e-155	NA
CL381945	RP44_323M17	SP6	8	59843800	59844147	59.84	3.00E-90	NA
CL361847	RP44_351P7	SP6	8	59929357	59929651	59.93	9.00E-67	NA
CL323915	RP44_463I13	T7	8	59992906	59992950	59.99	1.00E-08	NA
CL413007	RP44_431H12	SP6	8	60359365	60359682	60.36	1.00E-43	NA
CL361412	RP44_350D6	T7	8	60726393	60726739	60.73	1.00E-40	NA
CL389140	RP44_286O1	SP6	8	61014647	61014925	61.01	5.00E-09	NA
CL379953	RP44_428K6	SP6	8	61139184	61139331	61.14	3.00E-32	LOC346960
CL365680	RP44_355F9	T7	8	61153906	61154104	61.15	5.00E-28	RAB2
CL389056	RP44_286O1	T7	8	61257626	61257883	61.26	1.00E-44	NA
CL411707	RP44_429H19	SP6	8	61621698	61622218	61.62	3.00E-35	NA
CL321548	CH242_13A8	T7	8	61950625	61950730	61.95	4.00E-16	MGC34646
CL413978	RP44_435J7	T7	8	61986120	61986339	61.99	2.00E-34	MGC34646
CL332889	CH242_12B8	T7	8	62043662	62043718	62.04	6.00E-06	MGC34646
CL348806	RP44_275M12	T7	8	62184587	62184666	62.18	2.00E-15	ASPH
CL414259	RP44_436E12	SP6	8	62251425	62251469	62.25	3.00E-13	ASPH
CL332970	CH242_12B8	SP6	8	62270479	62270526	62.27	9.00E-08	ASPH
CL322229	RP44_404A22	SP6	8	62900721	62900848	62.90	2.00E-17	FLJ39630
CL381954	RP44_323O15	SP6	8	63076055	63076165	63.08	3.00E-14	FLJ39630
CL333304	RP44_249M18	T7	8	63184789	63184916	63.18	4.00E-18	FLJ39630
CL322209	RP44_404M17	SP6	8	63188615	63188783	63.19	4.00E-34	FLJ39630
CL380052	RP44_428N23	T7	8	63226769	63227330	63.23	5.00E-13	FLJ39630
CL359023	RP44_335D9	SP6	8	63235283	63235687	63.24	3.00E-78	FLJ39630
CL325863	RP44_242C12	SP6	8	63455229	63455567	63.46	1.00E-12	FLJ39630
CL413246	RP44_432J18	T7	8	63462354	63462546	63.46	1.00E-30	FLJ39630
CL413259	RP44_432L24	T7	8	63462354	63462546	63.46	2.00E-30	FLJ39630
CL330096	CH242_3E20	SP6	8	63606241	63606580	63.61	6.00E-12	FLJ39630
CL372757	RP44_306J22	T7	8	63701990	63702028	63.70	3.00E-07	TPPA
CL350540	RP44_311E17	T7	8	64078014	64078192	64.08	6.00E-24	LOC346975
CL367702	RP44_372E17	SP6	8	64294942	64295350	64.30	3.00E-20	LOC352561
CL328050	RP44_246N20	SP6	8	64407638	64407679	64.41	9.00E-07	LOC286184
CL361213	RP44_344J4	SP6	8	64587340	64587523	64.59	2.00E-48	LOC352562
CL334653	RP44_251H20	SP6	8	64604038	64604275	64.60	3.00E-14	LOC352562
CL361470	RP44_350N18	T7	8	64604038	64604275	64.60	2.00E-14	LOC352562
CL343891	RP44_277D19	T7	8	64610935	64611196	64.61	2.00E-52	LOC352562

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CL386796	RP44_334J12	SP6	8	64770941	64771011	64.77	2.00E-07	LOC352562
CL372938	RP44_307O16	T7	8	64839175	64839466	64.84	3.00E-16	LOC352563
CL343960	RP44_277D19	SP6	8	64861354	64861707	64.86	2.00E-36	LOC352563
CL336058	RP44_255O11	T7	8	64907952	64908268	64.91	6.00E-91	NA
CL378585	RP44_424P13	SP6	8	64908178	64908863	64.91	1.00E-35	NA
CL327057	RP44_244P20	SP6	8	65023476	65023568	65.02	2.00E-15	NA
CL372087	RP44_305E7	T7	8	65118273	65118490	65.12	9.00E-38	LOC352564
CL329049	RP44_382P1	T7	8	65243984	65244318	65.24	1.00E-93	CYP7B1
CL321251	CH242_15L5	SP6	8	65256075	65256604	65.26	e-135	CYP7B1
CL345469	RP44_280C18	T7	8	65518063	65518134	65.52	1.00E-07	NA
CL388555	RP44_285A21	T7	8	65631475	65631976	65.63	e-118	NA
CL388607	RP44_285M1	T7	8	65779520	65779706	65.78	5.00E-22	LOC346979
CL326357	RP44_243E8	SP6	8	65824034	65824268	65.82	2.00E-48	LOC346980
CL410707	RP44_419P17	SP6	8	65825031	65825434	65.83	0	LOC346980
CL340619	RP44_257N24	T7	8	65857097	65857395	65.86	1.00E-28	LOC346980
CL324808	RP44_478M23	SP6	8	65866996	65867186	65.87	7.00E-27	LOC346980
CL385227	RP44_330I4	SP6	8	65906984	65907185	65.91	8.00E-15	LOC346980
CL324138	RP44_463J22	SP6	8	66028972	66029036	66.03	5.00E-11	NA
CL337289	RP44_264A4	SP6	8	66061690	85209204	75.64	8.00E-06	LOC138046
CL379567	RP44_426D14	SP6	8	66280106	66280163	66.28	4.00E-09	CHPPR
CL368699	RP44_289F9	T7	8	66313529	66313723	66.31	9.00E-33	CHPPR
CL383632	RP44_327A23	T7	8	66404181	66404220	66.40	7.00E-06	PDE7A
CL342777	RP44_262L2	T7	8	664711436	66471810	66.47	1.00E-09	PDE7A
CL326549	RP44_243P20	T7	8	66715772	66715990	66.72	8.00E-24	MGC26226
CL344042	RP44_278G5	T7	8	66772512	66772618	66.77	2.00E-21	RNF29
CL344118	RP44_278G5	SP6	8	67013712	67013958	67.01	2.00E-64	LOC352565
CL330432	CH242_3H6	SP6	8	67056737	67057013	67.06	7.00E-52	LOC352566
CL386118	RP44_332N2	SP6	8	67065008	67065574	67.07	0	RRS1
CL408870	RP44_416A11	SP6	8	67200939	67201569	67.20	5.00E-65	MYBL1
CL331061	CH242_6L3	T7	8	67342676	67343719	67.34	1.00E-09	NA
CL440231	RP44_300G7	T7	8	67356480	67356584	67.36	6.00E-08	SGKL
CL346541	RP44_270F4	SP6	8	67421524	67421564	67.42	3.00E-08	SGKL
CL364027	RP44_393I8	SP6	8	67689769	67689864	67.69	3.00E-16	COP55
CL357441	RP44_413G11	SP6	8	67815213	67815364	67.82	3.00E-32	FLJ22490
CL381657	RP44_316I11	SP6	8	67834023	67834477	67.83	4.00E-68	BIG1
CL347604	RP44_272N16	T7	8	67852017	67852097	67.85	4.00E-13	BIG1
CL321249	CH242_15L3	SP6	8	67923371	67923802	67.92	6.00E-31	BIG1
CL357360	RP44_413G11	T7	8	68006833	68007080	68.01	2.00E-15	LOC346986
CL345893	RP44_269I16	T7	8	68050639	68050687	68.05	5.00E-06	NA
CL386012	RP44_332D22	T7	8	68108223	68108307	68.11	7.00E-18	CPA6
CL345967	RP44_269I16	SP6	8	68280878	68280930	68.28	1.00E-10	CPA6
CL373294	RP44_308G20	SP6	8	68346663	68346822	68.35	5.00E-25	CPA6
CL384597	RP44_329K12	T7	8	68356813	68357200	68.36	2.00E-06	CPA6
CL324920	RP44_478F10	SP6	8	68642568	68642674	68.64	3.00E-10	LOC340433
CL365189	RP44_400H17	SP6	8	68745163	68745197	68.75	3.00E-07	FLJ12987
CL325267	RP44_241C3	T7	8	68808299	68808814	68.81	9.00E-39	FLJ12987
CL387834	RP44_283M1	T7	8	68871940	68872337	68.87	3.00E-69	NA
CL381533	RP44_316A17	T7	8	68872697	68872773	68.87	2.00E-08	NA
CL365105	RP44_400H17	T7	8	68962684	68963190	68.96	1.00E-44	NA
CL369824	RP44_292I20	T7	8	69219954	69220139	69.22	2.00E-22	VEST1
CL325473	RP44_241B13	SP6	8	69450411	69450473	69.45	3.00E-07	VEST1
CL359433	RP44_336H22	T7	8	69747503	69747532	69.75	2.00E-06	NA
CL323728	RP44_458P2	T7	8	69783230	69783395	69.78	4.00E-07	NA
CL377967	RP44_422D14	T7	8	70036293	70036432	70.04	1.00E-21	NA
CL355845	RP44_410K22	SP6	8	70058708	78154390	74.11	2.00E-34	NA
CL356976	RP44_412G8	SP6	8	70122902	70123221	70.12	1.00E-68	SULF1
CL378031	RP44_422D14	SP6	8	70222623	70222912	70.22	3.00E-14	SULF1
CL376775	RP44_445N19	T7	8	70259368	70259630	70.26	2.00E-39	SULF1
CL387819	RP44_283I15	T7	8	70374698	70375382	70.38	7.00E-21	SLC21A15
CL327306	RP44_245I22	SP6	8	70468765	70468997	70.47	7.00E-73	SLC21A15
CL374589	RP44_470E2	SP6	8	70745331	70745894	70.75	7.00E-58	LOC340434
CL382616	RP44_324B13	SP6	8	70798127	70798304	70.80	1.00E-37	NCOA2
CL326781	RP44_244C16	T7	8	70823739	70824280	70.82	1.00E-25	NCOA2
CL328929	RP44_382B17	T7	8	70879686	70879917	70.88	5.00E-31	NCOA2
CL370524	RP44_295P2	T7	8	70929664	70929783	70.93	1.00E-12	NCOA2

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CL382538	RP44_324B13	T7	8	70970806	70970844	70.97	4.00E-07	NCOA2
CL369748	RP44_292I8	SP6	8	71348979	71349023	71.35	5.00E-06	LOC340435
CL362363	RP44_377E2	T7	8	71369212	71369466	71.37	7.00E-67	LOC340435
CL329629	RP44_394N21	SP6	8	71407917	71408015	71.41	1.00E-09	NA
CL329628	RP44_394N21	T7	8	71670459	71670736	71.67	3.00E-13	NA
CL376270	RP44_443N5	SP6	8	71673150	71673405	71.67	3.00E-66	NA
CL368253	RP44_288L8	T7	8	71719118	71719179	71.72	3.00E-11	LOC352570
CL387559	RP44_281F1	SP6	8	71828243	71828492	71.83	3.00E-78	NA
CL356421	RP44_411G20	SP6	8	71854556	71854646	71.85	1.00E-16	EYA1
CL384079	RP44_328D11	T7	8	71926679	71927192	71.93	9.00E-70	EYA1
CL384154	RP44_328D11	SP6	8	71946227	71946279	71.95	3.00E-08	EYA1
CL331964	CH242_10C5	T7	8	72201737	72202118	72.20	e-131	NA
CL361070	RP44_343H23	SP6	8	72501306	72501407	72.50	2.00E-28	LOC346996
CL338224	RP44_265P2	T7	8	72501626	72502075	72.50	e-123	LOC346996
CL344862	RP44_279K2	T7	8	72749886	72749951	72.75	2.00E-06	NA
CL344943	RP44_279K2	SP6	8	73199425	73199522	73.20	1.00E-13	KCNB2
CL357832	RP44_413F2	T7	8	73253067	73253120	73.25	3.00E-07	KCNB2
CL413288	RP44_432B22	SP6	8	73317492	73317707	73.32	1.00E-13	KCNB2
CL367605	RP44_367N23	SP6	8	73432953	73433387	73.43	4.00E-38	KCNB2
CL350486	RP44_310L2	SP6	8	73444706	73444821	73.44	1.00E-12	KCNB2
CL357916	RP44_413F2	SP6	8	73451779	73452069	73.45	e-122	KCNB2
CL344648	RP44_278P4	SP6	8	73599961	73600202	73.60	4.00E-15	NA
CL389822	RP44_287M8	T7	8	73721274	73721391	73.72	2.00E-14	FLJ40021
CL334164	RP44_251O9	T7	8	73746970	73748873	73.75	7.00E-46	FLJ40021
CL342211	RP44_261L18	SP6	8	73839499	73839558	73.84	9.00E-08	NA
CL365792	RP44_356C17	T7	8	73894745	73894942	73.89	1.00E-33	NA
CL322793	RP44_437E13	T7	8	73928980	73929084	73.93	3.00E-14	RPL7
CL354893	RP44_408J23	T7	8	74182415	74182704	74.18	2.00E-09	STAU2
CL359118	RP44_335F14	T7	8	74291584	74291616	74.29	2.00E-08	STAU2
CL372965	RP44_307G6	SP6	8	74423385	74423442	74.42	3.00E-09	FLJ11011
CL344171	RP44_278A10	T7	8	74423385	74423442	74.42	7.00E-09	FLJ11011
CL344966	RP44_279O6	SP6	8	74837133	74837197	74.84	2.00E-08	LOC347005
CL380408	RP44_429O21	T7	8	74938322	74938546	74.94	3.00E-32	JPH1
CL330365	CH242_3J4	T7	8	75038816	75039265	75.04	6.00E-34	NA
CL325531	RP44_241N7	SP6	8	75221705	75224963	75.22	4.00E-10	NA
CL335411	RP44_253O20	SP6	8	75296301	75296454	75.30	7.00E-20	LOC347029
CL325453	RP44_241N7	T7	8	75404789	75404925	75.40	9.00E-16	LOC347030
CL347704	RP44_273I17	T7	8	75604129	75604308	75.60	8.00E-51	NA
CL383599	RP44_326L6	SP6	8	75654371	75654457	75.65	2.00E-21	LOC83690
CL355435	RP44_409L15	SP6	8	75904437	75904924	75.90	4.00E-16	LOC347033
CL355355	RP44_409L15	T7	8	76095916	76096373	76.10	e-146	HNF4G
CL339878	RP44_256L7	T7	8	76283646	76283937	76.28	2.00E-18	NA
CL342111	RP44_261H8	T7	8	76658229	76658708	76.66	2.00E-08	LOC352575
CL375532	RP44_471L24	T7	8	76664929	76665318	76.67	1.00E-93	LOC352575
CL388626	RP44_285O19	T7	8	76808010	76808299	76.81	1.00E-81	NA
CL341611	RP44_260P4	SP6	8	76986840	76987491	76.99	e-137	LOC347034
CL388701	RP44_285O19	SP6	8	77004982	77005248	77.01	2.00E-52	LOC347034
CL335387	RP44_253K2	SP6	8	77255870	77256431	77.26	e-136	LOC352576
CL388179	RP44_284G8	SP6	8	77255981	77256218	77.26	3.00E-80	LOC352576
CL356409	RP44_411E6	SP6	8	77256508	77257034	77.26	e-171	LOC352576
CL358281	RP44_414B23	T7	8	77370216	77370780	77.37	7.00E-12	LOC137289
CL352598	RP44_401F23	T7	8	77399696	77400737	77.40	0	LOC137289
CL360486	RP44_339H5	T7	8	77436071	77436468	77.44	0	LOC137289
CL340486	RP44_257N19	T7	8	77443109	77443646	77.44	9.00E-45	LOC137289
CL343198	RP44_276G12	SP6	8	77501239	77501853	77.50	0	NA
CL340549	RP44_257N19	SP6	8	77603899	77604374	77.60	0	NA
CL325366	RP44_241I5	SP6	8	77619089	77619450	77.62	1.00E-73	PXMP3
CL343109	RP44_276G12	T7	8	77688278	77688426	77.69	3.00E-11	NA
CL412453	RP44_431K19	T7	8	78034831	78035420	78.04	2.00E-39	NA
CL408676	RP44_415J24	T7	8	78172842	78172919	78.17	6.00E-09	NA
CL411834	RP44_430A17	SP6	8	78174744	78175035	78.17	3.00E-81	NA
CL361524	RP44_350P16	SP6	8	78218502	78218754	78.22	4.00E-31	NA
CL349986	RP44_310G3	SP6	8	78248732	78248837	78.25	2.00E-06	LOC347037
CL361324	RP44_350A3	SP6	8	78354705	78354809	78.35	9.00E-08	LOC347037
CL325607	RP44_241P2	T7	8	78502038	78502238	78.50	1.00E-06	LOC347037

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CL354362	RP44_406H3	T7	8	78587146	78587338	78.59	8.00E-39	NA
CL352245	RP44_314I21	SP6	8	78748004	78748237	78.75	3.00E-08	NA
CL333243	RP44_249M19	SP6	8	78752473	78753007	78.75	2.00E-70	NA
CL322826	RP44_437I7	SP6	8	78839323	78840215	78.84	1.00E-34	NA
CL321281	CH242_15N17	T7	8	78854366	78854432	78.85	4.00E-07	NA
CL335071	RP44_252B23	SP6	8	79129598	79129657	79.13	1.00E-12	NA
CL359894	RP44_338I11	SP6	8	79302198	79302326	79.30	3.00E-13	CGI-62
CL377027	RP44_449M3	SP6	8	79324047	79324164	79.32	3.00E-20	IL7
CL409804	RP44_418A23	SP6	8	79439819	79440244	79.44	1.00E-31	IL7
CL356135	RP44_410D10	SP6	8	79827713	79827773	79.83	2.00E-08	NA
CL382706	RP44_325G5	T7	8	80042823	80043105	80.04	2.00E-39	NA
CL340968	RP44_258H16	SP6	8	80252114	80252289	80.25	4.00E-34	STMN2
CL357280	RP44_412H2	SP6	8	80289804	80290185	80.29	1.00E-18	STMN2
CL380932	RP44_314L19	T7	8	80509540	80509578	80.51	4.00E-07	NA
CL341701	RP44_261A11	SP6	8	80510231	80510294	80.51	1.00E-07	NA
CL365041	RP44_400I22	SP6	8	80658860	80659198	80.66	5.00E-09	MRPS28
CL381032	RP44_314B4	T7	8	80679547	80679879	80.68	1.00E-87	TPD52
CL340400	RP44_257K16	SP6	8	80686271	80686332	80.69	8.00E-07	TPD52
CL376663	RP44_445G13	SP6	8	80822901	80822965	80.82	6.00E-06	NA
CL358186	RP44_414O2	T7	8	81106283	81106357	81.11	4.00E-07	NA
CL330878	CH242_6C17	T7	8	81205611	81205757	81.21	2.00E-14	NA
CL382418	RP44_324K3	T7	8	82128850	82128904	82.13	2.00E-09	NA
CL354153	RP44_405F2	T7	8	82128850	82128904	82.13	1.00E-09	NA
CL327978	RP44_246P14	T7	8	82511182	82511375	82.51	4.00E-35	LOC352584
CL342971	RP44_276M21	T7	8	82630317	82630421	82.63	2.00E-06	NA
CL380141	RP44_428P13	SP6	8	82630635	82631173	82.63	9.00E-51	NA
CL355272	RP44_409K20	SP6	8	82630650	82631285	82.63	9.00E-73	NA
CL331140	CH242_6J19	SP6	8	82631182	82631524	82.63	2.00E-33	NA
CL338091	RP44_265F5	SP6	8	82729947	82730160	82.73	8.00E-67	LOC352585
CL331946	CH242_9O13	SP6	8	82797599	84956111	83.88	3.00E-54	LOC138046
CL338693	RP44_267M1	T7	8	82967110	82967240	82.97	5.00E-19	NA
CL356562	RP44_411J13	SP6	8	83123446	83123826	83.12	e-102	LOC347053
CL344089	RP44_278A1	SP6	8	83176721	83177318	83.18	1.00E-41	LOC347053
CL410123	RP44_418H3	T7	8	83208497	83208627	83.21	2.00E-26	LOC347053
CL324082	RP44_463B8	T7	8	83376039	83376408	83.38	7.00E-54	LOC347053
CL323310	RP44_458C17	SP6	8	83713206	83713671	83.71	e-103	NA
CL377982	RP44_422H10	T7	8	83859835	83860833	83.86	1.00E-96	NA
CL384206	RP44_328N21	SP6	8	84195408	84195532	84.20	2.00E-06	NA
CL328608	RP44_248B8	SP6	8	84215405	84215707	84.22	2.00E-08	NA
CL389566	RP44_286H14	SP6	8	84275926	84275958	84.28	6.00E-06	NA
CL353837	RP44_403B10	SP6	8	84666462	84666511	84.67	1.00E-06	NA
CL358144	RP44_414G2	T7	8	84999820	85000183	85.00	8.00E-08	LOC138046
CL339463	RP44_268J2	SP6	8	85211177	85211243	85.21	3.00E-07	LOC138046
CL411342	RP44_420P4	T7	8	85218383	85218433	85.22	4.00E-07	LOC138046
CL360109	RP44_338D14	SP6	8	85346913	85347517	85.35	3.00E-08	LOC138046
CL330323	CH242_3B8	T7	8	85398409	85398446	85.40	2.00E-06	LOC138046
CL321641	CH242_13C2	SP6	8	85400913	85401186	85.40	4.00E-47	LOC138046
CL412190	RP44_430H3	T7	8	85434501	85434550	85.43	1.00E-06	LOC138046
CL371552	RP44_302L6	SP6	8	85472995	85473072	85.47	7.00E-06	LOC138046
CL372393	RP44_305F10	T7	8	85495917	85496584	85.50	6.00E-71	LOC138046
CL411861	RP44_430I9	SP6	8	85556591	85557217	85.56	3.00E-60	LOC138046
CL333814	RP44_250F5	T7	8	85556818	85557198	85.56	1.00E-40	LOC138046
CL413484	RP44_433G4	SP6	8	86005170	86005236	86.01	2.00E-09	NA
CL379105	RP44_426O9	T7	8	86025492	86025845	86.03	5.00E-10	CA1
CL327027	RP44_244J12	SP6	8	86038117	86038428	86.04	3.00E-16	CA1
CL350050	RP44_310C16	T7	8	86078940	86078986	86.08	2.00E-09	NA
CL383669	RP44_327K15	T7	8	86128839	86128987	86.13	9.00E-08	NA
CL410856	RP44_420C13	T7	8	86130999	86131190	86.13	3.00E-16	CA3
CL321483	CH242_20J4	SP6	8	86160245	86160378	86.16	1.00E-09	CA2
CL364148	RP44_396A3	SP6	8	86161698	86161978	86.16	9.00E-48	CA2
CL440031	RP44_299G22	T7	8	86161698	86161978	86.16	3.00E-51	CA2
CL342535	RP44_262K18	SP6	8	86168028	86168366	86.17	6.00E-12	CA2
CL340191	RP44_257O5	T7	8	86606553	86606744	86.61	2.00E-12	LOC347059
CL340181	RP44_257M5	T7	8	86606627	86606744	86.61	5.00E-09	LOC347059
CL386006	RP44_332D8	T7	8	86898081	86898182	86.90	1.00E-06	XAT2

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CL377725	RP44_457G10	T7	8	87025809	87025879	87.03	2.00E-14	WWP1
CL342807	RP44_275P4	T7	8	87154321	87154909	87.15	3.00E-11	CGI-90
CL353068	RP44_402E14	T7	8	87155269	87155346	87.16	3.00E-16	CGI-90
CL377962	RP44_422B24	T7	8	87265346	87265911	87.27	2.00E-49	CNGB3
CL343458	RP44_276L10	T7	8	87292067	87292395	87.29	8.00E-18	CNGB3
CL354324	RP44_406K19	SP6	8	87292082	87292398	87.29	3.00E-12	CNGB3
CL351533	RP44_313M5	T7	8	87403276	87403400	87.40	2.00E-27	CNGB3
CL380880	RP44_314B23	T7	8	87404066	115905672	101.65	4.00E-13	CNGB3
CL389004	RP44_286C5	T7	8	87472903	87472958	87.47	2.00E-10	NA
CL378520	RP44_424P1	T7	8	87838354	87838843	87.84	6.00E-09	FLJ35802
CL385820	RP44_332K8	SP6	8	88211020	88211142	88.21	1.00E-22	LOC202979
CL363010	RP44_383M11	T7	8	88238675	88373349	88.31	5.00E-16	NA
CL363090	RP44_383M11	SP6	8	88248614	88248755	88.25	5.00E-25	NA
CL388786	RP44_285C2	SP6	8	88439071	88439616	88.44	1.00E-22	NA
CL384761	RP44_329N11	T7	8	88448831	88448899	88.45	4.00E-06	NA
CL346203	RP44_270O19	T7	8	88513989	100681861	94.60	6.00E-63	DKFZP4341092
CL375348	RP44_471H11	T7	8	88737215	88737284	88.74	2.00E-11	MMP16
CL338038	RP44_265L1	T7	8	88738646	88738730	88.74	2.00E-20	MMP16
CL335028	RP44_252J15	T7	8	88878146	88878312	88.88	1.00E-53	MMP16
CL349755	RP44_309H4	T7	8	88928318	88928360	88.93	4.00E-07	MMP16
CL353315	RP44_402F18	SP6	8	89007765	89008079	89.01	1.00E-39	MMP16
CL374357	RP44_470I15	T7	8	89063337	123597697	106.33	7.00E-45	KIAA0854
CL325298	RP44_241G21	T7	8	89077032	93646050	91.36	4.00E-07	LOC286144
CL345337	RP44_280M7	SP6	8	89088147	89088262	89.09	2.00E-08	LOC349202
CL345387	RP44_280A21	SP6	8	89088147	89088263	89.09	5.00E-09	LOC349202
CL355877	RP44_410B19	T7	8	89687635	89687727	89.69	1.00E-06	LOC352483
CL336568	RP44_263O15	SP6	8	89878829	89878865	89.88	6.00E-06	NA
CL388583	RP44_285G17	T7	8	90250084	90250220	90.25	2.00E-15	NA
CL376675	RP44_445I19	SP6	8	90304468	90305021	90.30	6.00E-52	LOC340450
CL389534	RP44_286P22	T7	8	90510909	90511178	90.51	2.00E-12	NA
CL373536	RP44_457J3	T7	8	90627042	90627226	90.63	5.00E-13	NBS1
CL373647	RP44_469A3	T7	8	90630556	90630677	90.63	3.00E-11	NBS1
CL375303	RP44_471M18	SP6	8	90698139	90698353	90.70	8.00E-55	DECR1
CL330920	CH242_6M3	T7	8	90703833	90704033	90.70	6.00E-43	DECR1
CL347122	RP44_272I1	T7	8	90749855	90750111	90.75	4.00E-44	CALB1
CL337945	RP44_265G20	SP6	8	91304747	91305408	91.31	1.00E-44	DKFZp762C1112
CL359420	RP44_336F16	T7	8	91381076	91381361	91.38	4.00E-07	NA
CL347096	RP44_272C15	T7	8	91507747	91508171	91.51	8.00E-18	STIP-1
CL350420	RP44_310N8	T7	8	91515943	91516003	91.52	4.00E-13	STIP-1
CL332698	CH242_12I20	T7	8	91555159	91555238	91.56	1.00E-07	STIP-1
CL350497	RP44_310N8	SP6	8	91620921	91621208	91.62	4.00E-12	STIP-1
CL332021	CH242_10M13	T7	8	91776905	91777089	91.78	2.00E-09	NA
CL338715	RP44_267A5	SP6	8	91825659	91826265	91.83	7.00E-09	NA
CL321063	CH242_15I2	T7	8	91930418	91930890	91.93	4.00E-69	SLC26A7
CL345525	RP44_280O2	T7	8	92021240	92021702	92.02	2.00E-77	SLC26A7
CL370839	RP44_300D17	T7	8	92021492	92021887	92.02	3.00E-29	SLC26A7
CL321064	CH242_15I2	SP6	8	92102787	92102990	92.10	5.00E-16	LOC347062
CL349189	RP44_308B10	SP6	8	92313119	92313352	92.31	7.00E-12	LOC347063
CL387991	RP44_284M21	T7	8	92341210	92341378	92.34	4.00E-13	LOC347063
CL373493	RP44_308B10	T7	8	92433061	92433548	92.43	e-142	NA
CL361118	RP44_344D14	T7	8	92734488	92734941	92.73	2.00E-55	CBFA2T1
CL341124	RP44_259K10	SP6	8	92779208	92779807	92.78	2.00E-85	NA
CL341054	RP44_259K10	T7	8	92971120	92971324	92.97	2.00E-51	LOC349204
CL342896	RP44_275P14	SP6	8	93335414	93336087	93.34	7.00E-83	LOC347066
CL383078	RP44_325B13	SP6	8	93375197	93375699	93.38	e-161	LOC347066
CL382917	RP44_325A18	SP6	8	93406655	93406704	93.41	6.00E-09	LOC347066
CL325363	RP44_241G21	SP6	8	93492479	93492519	93.49	5.00E-06	NA
CL389700	RP44_287C5	SP6	8	93616084	93616182	93.62	1.00E-09	NA
CL370260	RP44_295I7	T7	8	93782488	93782552	93.78	3.00E-12	LOC352486
CL389623	RP44_287C5	T7	8	93847900	93848213	93.85	2.00E-58	LOC347068
CL337348	RP44_264K24	SP6	8	94067220	94067315	94.07	1.00E-06	LOC347070
CL380949	RP44_314P9	T7	8	94133354	94133841	94.13	e-157	LOC347072
CL409329	RP44_417E15	SP6	8	94296106	94296157	94.30	9.00E-08	LOC352487
CL343328	RP44_276B19	SP6	8	94298310	94298349	94.30	1.00E-07	LOC352487
CL414196	RP44_436I6	T7	8	94310360	94310399	94.31	4.00E-10	LOC352487

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL354620	RP44_408K13	T7	8	94605725	94606067	94.61	2.00E-35	LOC157663
CL320537	CH242_10F24	T7	8	94663821	94664161	94.66	1.00E-28	NA
CL363230	RP44_383K4	SP6	8	94887235	94887286	94.89	9.00E-08	CDH17
CL376785	RP44_445P17	T7	8	95059932	95060070	95.06	3.00E-10	RAD54B
CL387435	RP44_281K20	SP6	8	95154370	95154427	95.15	6.00E-09	RAD54B
CL381474	RP44_315F14	SP6	8	95176733	95176940	95.18	1.00E-75	DKFZP4341116
CL376872	RP44_445P17	SP6	8	95209494	95209618	95.21	2.00E-24	DKFZP4341116
CL369280	RP44_290E16	SP6	8	95388384	95388487	95.39	1.00E-16	FLJ20171
CL343779	RP44_277K22	T7	8	95445103	95446213	95.45	2.00E-24	LOC286148
CL388390	RP44_284P15	SP6	8	95615789	95615910	95.62	7.00E-11	TP53INP1
CL409985	RP44_418K4	T7	8	95621532	95621999	95.62	7.00E-55	TP53INP1
CL354296	RP44_406C7	SP6	8	95683932	95683984	95.68	8.00E-09	LOC347076
CL388306	RP44_284P15	T7	8	95751949	95752671	95.75	4.00E-12	LOC286149
CL412288	RP44_430L10	T7	8	96034765	96035128	96.03	1.00E-24	LOC349205
CL350528	RP44_311C13	T7	8	96120871	96121149	96.12	1.00E-37	LOC347078
CL411064	RP44_420M14	T7	8	96156772	96157018	96.16	3.00E-52	LOC347078
CL352854	RP44_401J4	SP6	8	96268729	96268786	96.27	6.00E-09	LOC347078
CL351713	RP44_313O8	T7	8	96354510	96355460	96.35	3.00E-14	LOC347079
CL377960	RP44_422B20	T7	8	96868832	96869033	96.87	4.00E-37	LOC347080
CL340292	RP44_257C20	T7	8	96938323	96938353	96.94	4.00E-07	CGI-12
CL384404	RP44_329E3	T7	8	97177330	97177710	97.18	3.00E-35	SDC2
CL322041	RP44_399H9	SP6	8	97434093	97434196	97.43	6.00E-18	PGCP
CL360425	RP44_339G16	SP6	8	97514935	97515617	97.52	1.00E-32	PGCP
CL322040	RP44_399H9	T7	8	97590012	97590403	97.59	4.00E-78	PGCP
CL370969	RP44_300L23	SP6	8	97611057	97611233	97.61	3.00E-32	PGCP
CL383901	RP44_327M8	SP6	8	97611057	97611233	97.61	2.00E-32	PGCP
CL370884	RP44_300L23	T7	8	97810146	97810251	97.81	9.00E-14	PGCP
CL383819	RP44_327M8	T7	8	97810146	97810251	97.81	3.00E-16	PGCP
CL370246	RP44_295C23	T7	8	97868868	97868941	97.87	1.00E-06	LOC347082
CL352264	RP44_314M23	SP6	8	98775099	98775227	98.78	3.00E-23	NA
CL414316	RP44_436B5	T7	8	98978268	98978342	98.98	5.00E-19	NA
CL335692	RP44_253P8	SP6	8	99046523	99046631	99.05	9.00E-11	NA
CL350121	RP44_310A10	SP6	8	99133388	99133783	99.13	2.00E-36	NA
CL350039	RP44_310A10	T7	8	99329319	99329428	99.33	4.00E-07	STK3
CL439755	RP44_297J17	SP6	8	99366173	99366383	99.37	9.00E-39	STK3
CL369417	RP44_291I1	SP6	8	99383168	99383245	99.38	1.00E-06	STK3
CL369367	RP44_291I1	T7	8	99569557	99569605	99.57	8.00E-09	LOC347085
CL414245	RP44_436C4	SP6	8	99569853	99570382	99.57	e-136	LOC347085
CL361714	RP44_351D17	T7	8	99610850	99611199	99.61	4.00E-07	LOC347085
CL382365	RP44_323P24	SP6	8	99633747	99634014	99.63	7.00E-45	NA
CL365253	RP44_400D18	SP6	8	99634441	99634838	99.63	3.00E-66	NA
CL325707	RP44_242E19	T7	8	99657939	99658219	99.66	1.00E-88	NA
CL337055	RP44_264A7	T7	8	100199140	100199564	100.20	3.00E-57	NA
CL337135	RP44_264A7	SP6	8	100384719	100385233	100.38	7.00E-64	NA
CL347999	RP44_273H14	T7	8	100479531	100479772	100.48	1.00E-37	KIAA0532
CL369125	RP44_290I13	SP6	8	100806787	100807092	100.81	6.00E-45	NA
CL351868	RP44_313N19	T7	8	100950703	100950808	100.95	1.00E-09	RNF19
CL348418	RP44_274N7	SP6	8	100989088	100989222	100.99	2.00E-06	NA
CL352084	RP44_313H8	SP6	8	101072382	101072514	101.07	2.00E-09	LOC346873
CL351951	RP44_313N19	SP6	8	101072382	101072514	101.07	2.00E-09	LOC346873
CL336400	RP44_263C19	T7	8	101303319	101303355	101.30	4.00E-06	MGC39715
CL348321	RP44_274L5	T7	8	101303319	101303355	101.30	5.00E-06	MGC39715
CL320909	CH242_15C15	SP6	8	101445065	101445316	101.45	8.00E-08	NA
CL341030	RP44_259E22	T7	8	101485853	101486005	101.49	2.00E-15	NA
CL347020	RP44_271F6	SP6	8	101496470	101496612	101.50	3.00E-12	NA
CL341103	RP44_259E22	SP6	8	101651388	101651544	101.65	3.00E-07	NA
CL346940	RP44_271F6	T7	8	101714319	101714431	101.71	7.00E-11	LOC352495
CL360046	RP44_338H15	SP6	8	101878800	101879367	101.88	1.00E-10	LOC51123
CL326976	RP44_244N20	T7	8	101879315	101879821	101.88	8.00E-11	LOC51123
CL369800	RP44_292E8	T7	8	102239604	102239842	102.24	3.00E-49	FLJ13782
CL374461	RP44_470M5	SP6	8	102373885	102373947	102.37	4.00E-19	NCALD
CL384905	RP44_329N18	T7	8	102433287	102433331	102.43	1.00E-08	NCALD
CL363611	RP44_388D8	SP6	8	102470750	102471223	102.47	4.00E-13	NCALD
CL342147	RP44_261N20	T7	8	102471075	102471552	102.47	4.00E-41	NCALD
CL327557	RP44_246C7	SP6	8	102593614	102593652	102.59	4.00E-07	NCALD

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CL337363	RP44_264O14	SP6	8	102593614	102593652	102.59	4.00E-07	NCALD
CL351816	RP44_313D17	T7	8	102704696	102704824	102.70	2.00E-15	NCALD
CL358962	RP44_335H7	T7	8	102705018	102705367	102.71	3.00E-32	NCALD
CL326423	RP44_243F3	SP6	8	102757112	102757169	102.76	1.00E-06	NCALD
CL366086	RP44_358A2	SP6	8	102966513	102966860	102.97	e-121	DD5
CL339892	RP44_256N15	T7	8	103041591	103041844	103.04	1.00E-49	DD5
CL321856	CH242_15K1	T7	8	103071161	103071656	103.07	2.00E-12	DD5
CL332083	CH242_10I1	SP6	8	103745276	103745596	103.75	4.00E-07	ATP6V1C1
CL322950	RP44_437I16	T7	8	103893804	103893992	103.89	3.00E-08	BAALC
CL329920	CH242_3E5	SP6	8	104012398	104012635	104.01	2.00E-24	FZD6
CL440009	RP44_299A22	T7	8	104127265	104127722	104.13	4.00E-10	NA
CL329833	CH242_3E5	T7	8	104169843	104169880	104.17	1.00E-06	NA
CL334412	RP44_251B15	T7	8	104695294	104695697	104.70	5.00E-83	RIMS2
CL370154	RP44_294B5	SP6	8	104833391	104833492	104.83	9.00E-14	RIMS2
CL343875	RP44_277O22	SP6	8	104844888	104846059	104.85	2.00E-06	RIMS2
CL364707	RP44_398N21	T7	8	104867952	104868220	104.87	9.00E-33	RIMS2
CL334486	RP44_251B15	SP6	8	104884328	104884385	104.88	6.00E-09	RIMS2
CL410387	RP44_419O7	T7	8	105180334	105180711	105.18	1.00E-59	ST7
CL410449	RP44_419O7	SP6	8	105378692	105379279	105.38	0	LOC349207
CL357207	RP44_412F20	T7	8	105379869	105380098	105.38	1.00E-16	LOC349207
CL330463	CH242_3L22	SP6	8	105627726	105628088	105.63	2.00E-64	LOC137726
CL367337	RP44_367I18	T7	8	105630281	119414636	112.52	8.00E-08	LOC346842
CL372314	RP44_305F11	SP6	8	105634883	105635541	105.64	e-134	LOC137726
CL379993	RP44_428B19	T7	8	105638334	105638800	105.64	7.00E-09	LOC137726
CL386435	RP44_333P12	SP6	8	106075532	106075751	106.08	5.00E-09	ZFPM2
CL412375	RP44_430L14	SP6	8	106075532	106075877	106.08	9.00E-70	ZFPM2
CL375183	RP44_471G16	T7	8	106154427	106154755	106.15	1.00E-13	ZFPM2
CL412290	RP44_430L14	T7	8	106231559	106231958	106.23	2.00E-12	ZFPM2
CL328400	RP44_248H9	T7	8	106232711	106232850	106.23	1.00E-19	ZFPM2
CL345199	RP44_279P24	T7	8	106375685	106375782	106.38	7.00E-09	ZFPM2
CL387101	RP44_280H16	SP6	8	106383791	106384210	106.38	2.00E-15	ZFPM2
CL361602	RP44_351O5	T7	8	106399123	106399638	106.40	6.00E-22	ZFPM2
CL361688	RP44_351O5	SP6	8	106399123	106399750	106.40	6.00E-22	ZFPM2
CL328476	RP44_248H9	SP6	8	106401061	106401434	106.40	7.00E-21	ZFPM2
CL356550	RP44_411H7	SP6	8	106485220	106485558	106.49	1.00E-83	ZFPM2
CL385113	RP44_330A2	T7	8	106591786	106591918	106.59	4.00E-13	LOC346886
CL380800	RP44_314C6	SP6	8	106835727	106835772	106.84	3.00E-11	NA
CL385188	RP44_330A2	SP6	8	106835727	106835772	106.84	3.00E-11	NA
CL371323	RP44_302H23	T7	8	107152687	107152727	107.15	7.00E-06	LOC346889
CL341866	RP44_261A16	SP6	8	107276796	107276851	107.28	3.00E-13	NA
CL381524	RP44_315P22	SP6	8	107276796	107276851	107.28	9.00E-08	NA
CL335887	RP44_254J8	T7	8	107391598	107391967	107.39	2.00E-76	OXR1
CL335959	RP44_254J8	SP6	8	107547645	107548004	107.55	2.00E-18	NA
CL382172	RP44_323J7	T7	8	107783155	107783796	107.78	1.00E-44	LOC346891
CL367468	RP44_367D21	T7	8	107946822	107947225	107.95	3.00E-11	ANGPT1
CL327770	RP44_246O14	SP6	8	107947432	107947780	107.95	5.00E-16	ANGPT1
CL376255	RP44_443J9	SP6	8	108017180	108017974	108.02	2.00E-39	ANGPT1
CL342832	RP44_275D16	SP6	8	108070795	108071151	108.07	3.00E-13	ANGPT1
CL337651	RP44_264N8	SP6	8	108120644	108120810	108.12	9.00E-20	ANGPT1
CL363168	RP44_383M14	T7	8	108176949	108177167	108.18	3.00E-69	ANGPT1
CL389854	RP44_287C12	SP6	8	108209714	108209799	108.21	6.00E-09	NA
CL363245	RP44_383M14	SP6	8	108391564	108391615	108.39	4.00E-10	LOC352503
CL329235	RP44_386B8	SP6	8	108441780	108441823	108.44	7.00E-06	NA
CL333580	RP44_250O15	T7	8	108454152	108454629	108.45	e-149	LOC352504
CL362539	RP44_380G23	T7	8	108460369	108460679	108.46	9.00E-64	LOC352504
CL362509	RP44_380A21	T7	8	108460414	108460679	108.46	3.00E-47	LOC352504
CL375140	RP44_471O13	SP6	8	108468273	108468856	108.47	3.00E-54	LOC352504
CL364374	RP44_396M14	SP6	8	108468287	108468908	108.47	4.00E-53	LOC352504
CL368504	RP44_289O5	SP6	8	108501456	108501606	108.50	4.00E-07	LOC352504
CL410606	RP44_419J19	T7	8	108683687	108684587	108.68	8.00E-33	NA
CL358589	RP44_415A9	T7	8	109022846	109023215	109.02	2.00E-14	NA
CL375491	RP44_471D20	T7	8	109084802	109085298	109.09	1.00E-87	NA
CL330834	CH242_4L20	SP6	8	109137547	109137604	109.14	2.00E-08	KIAA0103
CL351228	RP44_312O21	T7	8	109602968	109603241	109.60	3.00E-48	NA
CL333038	CH242_12N18	SP6	8	109674415	109674531	109.67	4.00E-13	LOC346900

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CL330257	CH242_3F3	SP6	8	109769430	109770035	109.77	8.00E-27	TRHR
CL386321	RP44_333H18	T7	8	110039939	110039994	110.04	1.00E-07	NA
CL338932	RP44_268A3	T7	8	110105745	110106167	110.11	e-133	PKHD1L1
CL386400	RP44_333H18	SP6	8	110163495	110163981	110.16	6.00E-06	PKHD1L1
CL353024	RP44_402M5	SP6	8	110223649	112219147	111.22	4.00E-22	EBAG9
CL357278	RP44_412F16	SP6	8	110234646	110234918	110.23	1.00E-11	EBAG9
CL371462	RP44_302F10	T7	8	110337253	110337711	110.34	4.00E-07	FLJ20366
CL388369	RP44_284L15	SP6	8	110374656	110374696	110.37	3.00E-06	NA
CL341699	RP44_261A7	SP6	8	110966460	110966533	110.97	2.00E-07	NA
CL357285	RP44_412H14	SP6	8	111046022	111046114	111.05	2.00E-08	NA
CL321526	CH242_20N24	T7	8	111118575	111118627	111.12	3.00E-08	NA
CL344460	RP44_278J1	SP6	8	111602061	111602163	111.60	2.00E-07	NA
CL387302	RP44_281A20	T7	8	111871280	111871486	111.87	3.00E-20	NA
CL336144	RP44_255O19	SP6	8	112718053	112718696	112.72	8.00E-24	NA
CL387677	RP44_282K17	T7	8	113065652	113065907	113.07	1.00E-39	NA
CL408647	RP44_415F2	T7	8	113153358	113153724	113.15	3.00E-54	NA
CL367181	RP44_365C19	T7	8	113162633	113162893	113.16	6.00E-18	NA
CL344026	RP44_278C15	T7	8	113166028	113166647	113.17	2.00E-40	NA
CL344043	RP44_278G7	T7	8	113195804	113196331	113.20	2.00E-43	NA
CL340575	RP44_257F6	T7	8	113447703	113447851	113.45	2.00E-32	NA
CL351170	RP44_312E9	T7	8	113599273	113599868	113.60	8.00E-21	LOC169003
CL348523	RP44_274F4	SP6	8	113845478	113846116	113.85	7.00E-37	LOC346905
CL371743	RP44_304D5	T7	8	113967320	113967885	113.97	2.00E-24	LOC346905
CL343584	RP44_277G9	T7	8	114106815	114107342	114.11	1.00E-78	NA
CL409974	RP44_418G20	T7	8	114149507	114149768	114.15	3.00E-17	NA
CL378278	RP44_423B6	SP6	8	114285412	114285521	114.29	3.00E-21	LOC346907
CL343676	RP44_277G9	SP6	8	114318132	114318355	114.32	1.00E-07	LOC346907
CL410060	RP44_418G20	SP6	8	114388448	114388508	114.39	3.00E-08	LOC346907
CL326347	RP44_243C6	SP6	8	114416551	114417049	114.42	3.00E-35	NA
CL360652	RP44_340N2	T7	8	114675579	114675707	114.68	2.00E-06	NA
CL339144	RP44_268E24	SP6	8	114793443	114793549	114.79	1.00E-16	NA
CL409313	RP44_417C1	SP6	8	115111949	115111999	115.11	3.00E-07	NA
CL382442	RP44_324O15	T7	8	115339549	115339600	115.34	9.00E-08	NA
CL353484	RP44_403I13	SP6	8	115471860	115471942	115.47	7.00E-24	NA
CL412784	RP44_431L9	T7	8	115992061	115992645	115.99	6.00E-40	NA
CL372587	RP44_306J21	T7	8	115993851	115993941	115.99	3.00E-14	NA
CL351827	RP44_313F15	T7	8	116171744	116171803	116.17	1.00E-07	TRPS1
CL412863	RP44_431L9	SP6	8	116191363	116191638	116.19	2.00E-58	TRPS1
CL372673	RP44_306J21	SP6	8	116203279	116203368	116.20	2.00E-06	TRPS1
CL351482	RP44_313C9	T7	8	116218855	116218988	116.22	1.00E-49	TRPS1
CL343742	RP44_277E8	T7	8	116231753	116231841	116.23	3.00E-11	TRPS1
CL366468	RP44_362E18	T7	8	116298506	116299099	116.30	e-174	TRPS1
CL343819	RP44_277E8	SP6	8	116398348	116398414	116.40	2.00E-09	NA
CL366541	RP44_362E18	SP6	8	116465249	116486434	116.48	6.00E-06	NA
CL336501	RP44_263C13	SP6	8	116519103	116519482	116.52	4.00E-22	NA
CL357881	RP44_413N20	T7	8	116607771	116607852	116.61	2.00E-16	NA
CL336397	RP44_263C13	T7	8	116735729	116735819	116.74	2.00E-14	LOC352509
CL335353	RP44_253O24	T7	8	116783069	116783139	116.78	1.00E-09	NA
CL366211	RP44_358L17	T7	8	116934624	116935055	116.93	e-121	LOC346831
CL385924	RP44_332B3	SP6	8	117151194	117151271	117.15	1.00E-06	LOC346832
CL330200	CH242_3J15	T7	8	117206880	117207117	117.21	7.00E-36	NA
CL348315	RP44_274J17	T7	8	117320922	117321560	117.32	2.00E-58	NA
CL385846	RP44_332B3	T7	8	117337524	117337872	117.34	1.00E-12	EIF3S3
CL331808	CH242_9E7	T7	8	117552881	117552949	117.55	7.00E-06	RAD21
CL347191	RP44_272G11	SP6	8	117589888	117590081	117.59	1.00E-13	NA
CL327678	RP44_246M12	T7	8	117708738	117708802	117.71	2.00E-08	SLC30A8
CL382058	RP44_323C16	SP6	8	117909903	117910391	117.91	7.00E-77	LOC346833
CL325558	RP44_241D8	T7	8	117989756	117989808	117.99	2.00E-08	NA
CL385868	RP44_332F11	T7	8	117991251	117991392	117.99	3.00E-23	NA
CL374471	RP44_470O3	SP6	8	118092138	118092244	118.09	3.00E-11	LOC346834
CL385947	RP44_332F11	SP6	8	118195549	118195943	118.20	6.00E-21	NA
CL325628	RP44_241D8	SP6	8	118195905	118195943	118.20	1.00E-09	NA
CL329004	RP44_382J13	T7	8	118471062	118471294	118.47	2.00E-09	NA
CL332284	CH242_10K22	SP6	8	118532126	118532639	118.53	1.00E-41	EXT1
CL331391	CH242_7L23	T7	8	118562500	118562897	118.56	5.00E-34	EXT1

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL326635	RP44_244C23	T7	8	118579794	118580213	118.58	4.00E-53	EXT1
CL329005	RP44_382J13	SP6	8	118646682	118646781	118.65	5.00E-06	EXT1
CL409967	RP44_418G4	T7	8	118699904	118700229	118.70	1.00E-77	EXT1
CL355035	RP44_409G7	T7	8	118877163	118877218	118.88	3.00E-10	LOC346836
CL355542	RP44_409F2	SP6	8	118958547	118958700	118.96	7.00E-10	LOC346836
CL357089	RP44_412P3	T7	8	119125324	119125482	119.13	7.00E-36	NA
CL411070	RP44_420O4	T7	8	119338540	119339041	119.34	8.00E-76	NA
CL346167	RP44_270G21	T7	8	119423900	119424038	119.42	1.00E-21	LOC346842
CL357337	RP44_413A23	T7	8	119429002	119429108	119.43	4.00E-10	NA
CL358237	RP44_414I18	SP6	8	119442577	119442802	119.44	8.00E-64	NA
CL383008	RP44_325D19	T7	8	119468407	119468503	119.47	7.00E-09	LOC352514
CL377606	RP44_457O17	T7	8	119507508	119507687	119.51	5.00E-06	NA
CL381029	RP44_314P17	SP6	8	119584251	119584287	119.58	6.00E-06	LOC346843
CL367414	RP44_367I18	SP6	8	119605953	119606423	119.61	1.00E-09	TNFRSF11B
CL413958	RP44_435D3	T7	8	119748970	119749063	119.75	6.00E-14	COLEC10
CL335807	RP44_254I7	SP6	8	119748970	119749176	119.75	2.00E-11	COLEC10
CL327046	RP44_244N12	SP6	8	120244684	120244748	120.24	3.00E-11	ENPP2
CL342081	RP44_261P19	SP6	8	120268466	120268927	120.27	9.00E-70	ENPP2
CL342015	RP44_261P19	T7	8	120438370	120438579	120.44	4.00E-10	TAF2
CL336516	RP44_263E21	SP6	8	120482824	120483074	120.48	5.00E-93	TAF2
CL353982	RP44_405C17	SP6	8	120646264	120646305	120.65	1.00E-11	FLJ12428
CL336298	RP44_263E21	T7	8	120673605	120673684	120.67	4.00E-10	FLJ12428
CL355253	RP44_409G18	SP6	8	120746234	120746823	120.75	3.00E-11	COL14A1
CL380291	RP44_428J24	SP6	8	120746919	120747146	120.75	1.00E-09	COL14A1
CL382835	RP44_325A6	T7	8	121132034	121132109	121.13	2.00E-27	MTBP
CL377952	RP44_422P17	SP6	8	121136798	121136874	121.14	1.00E-06	MTBP
CL349286	RP44_309E19	T7	8	121174281	121175172	121.17	2.00E-06	MTBP
CL343611	RP44_277I19	T7	8	121217779	121218084	121.22	e-104	MTBP
CL343941	RP44_277P3	T7	8	121358426	121358622	121.36	8.00E-11	SNTB1
CL360838	RP44_341N24	SP6	8	121407690	121407898	121.41	3.00E-28	SNTB1
CL388831	RP44_285K10	SP6	8	121484406	121484735	121.48	5.00E-62	SNTB1
CL365255	RP44_400D22	SP6	8	121484852	121484925	121.48	8.00E-14	SNTB1
CL364470	RP44_396F21	SP6	8	121685101	121685527	121.69	2.00E-57	LOC346713
CL387134	RP44_280N18	SP6	8	121686827	121686944	121.69	7.00E-09	LOC346713
CL342567	RP44_262B23	T7	8	121787236	121787298	121.79	2.00E-09	NA
CL342653	RP44_262B23	SP6	8	121967228	121967322	121.97	4.00E-19	LOC352516
CL345736	RP44_280H13	SP6	8	122321012	122321278	122.32	1.00E-15	HAS2
CL321043	CH242_15E24	SP6	8	122354669	122354983	122.35	4.00E-10	NA
CL345649	RP44_280H13	T7	8	122492377	122492650	122.49	8.00E-21	NA
CL378989	RP44_425I6	SP6	8	122493908	122494491	122.49	3.00E-07	NA
CL414171	RP44_436C14	T7	8	122946689	122947289	122.95	4.00E-07	NA
CL378953	RP44_425O12	T7	8	122992565	122993009	122.99	2.00E-08	NA
CL413389	RP44_433E10	T7	8	123030292	123030494	123.03	4.00E-10	LOC352518
CL369675	RP44_292I13	SP6	8	123481655	123481727	123.48	2.00E-13	KIAA0854
CL336384	RP44_263A9	T7	8	123614279	123614694	123.61	5.00E-37	KIAA0854
CL372404	RP44_305H12	T7	8	123640227	123640560	123.64	6.00E-12	KIAA0854
CL345958	RP44_269G18	SP6	8	123666250	123666345	123.67	1.00E-06	NA
CL389021	RP44_286G1	T7	8	123946398	123946455	123.95	6.00E-11	ZHX1
CL380727	RP44_429L19	T7	8	124107295	124108204	124.11	1.00E-09	FLJ10204
CL336392	RP44_263C3	T7	8	124108150	124108908	124.11	5.00E-09	FLJ10204
CL389096	RP44_286G1	SP6	8	124188126	124188169	124.19	4.00E-10	FBXO32
CL377595	RP44_457M19	T7	8	124212927	124213033	124.21	1.00E-28	FBXO32
CL323198	RP44_457B12	SP6	8	124440492	124440643	124.44	5.00E-22	NA
CL369251	RP44_290O22	T7	8	124489998	124490294	124.49	1.00E-12	FLJ23790
CL356223	RP44_411E3	T7	8	124801103	124801768	124.80	5.00E-12	NA
CL372114	RP44_305I23	T7	8	124992380	124992561	124.99	3.00E-41	NA
CL321624	CH242_13O10	T7	8	125623840	125624107	125.62	4.00E-12	LOC157381
CL362561	RP44_380M7	T7	8	125662509	125664081	125.66	5.00E-10	NA
CL408638	RP44_415B24	T7	8	125682850	125682927	125.68	5.00E-12	SOLE
CL321706	CH242_13O10	SP6	8	125800108	125800431	125.80	2.00E-79	FLJ32440
CL408559	RP44_415D11	SP6	8	126012935	126013115	126.01	5.00E-28	FLJ32440
CL389141	RP44_286O3	SP6	8	126039765	126042910	126.04	2.00E-08	FLJ32440
CL369150	RP44_290O1	SP6	8	126156500	126156604	126.16	2.00E-27	NA
CL343694	RP44_277K5	SP6	8	126194037	126194126	126.19	9.00E-14	NA
CL343667	RP44_277E5	SP6	8	126194037	126194216	126.19	3.00E-14	NA

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CL346428	RP44_270P3	SP6	8	126232314	126232434	126.23	2.00E-20	LOC346726
CL343575	RP44_277E5	T7	8	126438974	126439454	126.44	6.00E-99	LOC346727
CL343616	RP44_277K5	T7	8	126438974	126439454	126.44	5.00E-99	LOC346727
CL346350	RP44_270P3	T7	8	126438974	126439483	126.44	1.00E-99	LOC346727
CL381933	RP44_323K7	SP6	8	127034041	127034208	127.03	1.00E-09	NA
CL329246	RP44_386B24	SP6	8	127152431	127152768	127.15	7.00E-94	NA
CL353696	RP44_403N23	T7	8	127212473	127212662	127.21	2.00E-12	NA
CL386599	RP44_334H21	T7	8	127433153	127433213	127.43	3.00E-06	LOC346730
CL410759	RP44_419N4	T7	8	127579190	127579449	127.58	3.00E-08	NA
CL329591	RP44_394J19	T7	8	127671541	127671647	127.67	1.00E-19	LOC346732
CL333363	RP44_249O20	SP6	8	127692121	127692500	127.69	7.00E-30	NA
CL328741	RP44_370N24	SP6	8	127741949	127742206	127.74	2.00E-46	NA
CL389161	RP44_286A22	T7	8	127779005	127779288	127.78	9.00E-14	NA
CL331442	CH242_7J3	SP6	8	128501564	128501623	128.50	9.00E-08	NA
CL387940	RP44_284A19	T7	8	129222017	129222235	129.22	2.00E-26	NA
CL374037	RP44_469J23	T7	8	129274334	129274500	129.27	5.00E-06	LOC346870
CL376564	RP44_445A3	T7	8	129795414	129795463	129.80	6.00E-09	NA
CL413445	RP44_433O18	T7	8	129871995	129872099	129.87	7.00E-06	NA
CL377194	RP44_449K16	SP6	8	129876345	129876484	129.88	3.00E-32	NA
CL376881	RP44_449A11	T7	8	129898596	129899399	129.90	6.00E-06	NA
CL376636	RP44_445A3	SP6	8	129963668	129963881	129.96	3.00E-29	NA
CL380849	RP44_314K20	SP6	8	130036193	130036342	130.04	1.00E-10	MGC27434
CL320741	CH242_13I19	SP6	8	130044366	130044874	130.04	1.00E-38	MGC27434
CL385319	RP44_330N9	T7	8	130061241	130061307	130.06	1.00E-09	MGC27434
CL376962	RP44_449A11	SP6	8	130090800	130090923	130.09	6.00E-15	MGC27434
CL327345	RP44_245D3	T7	8	130133778	130134167	130.13	5.00E-74	MGC27434
CL367496	RP44_367J11	T7	8	130368734	130368934	130.37	6.00E-15	NA
CL439632	RP44_296O17	SP6	8	131116183	131116259	131.12	2.00E-20	LOC352530
CL372419	RP44_305J18	T7	8	131288192	131288703	131.29	4.00E-32	NA
CL372162	RP44_305E5	SP6	8	132179068	132179160	132.18	2.00E-18	LOC352534
CL385595	RP44_332G7	T7	8	132560187	132560286	132.56	4.00E-06	NA
CL362454	RP44_377G10	SP6	8	133440992	133441234	133.44	5.00E-28	FLJ33069
CL439729	RP44_297F3	SP6	8	133484409	133484512	133.48	1.00E-07	CGI-72
CL387205	RP44_281K19	T7	8	133508235	133508367	133.51	3.00E-20	CGI-72
CL340983	RP44_258L4	SP6	8	133568064	133568196	133.57	5.00E-06	TG
CL363373	RP44_383L7	SP6	8	133569839	133570017	133.57	7.00E-50	TG
CL380936	RP44_314N5	T7	8	134305984	134306040	134.31	6.00E-18	NA
CL382910	RP44_325O24	T7	8	134684479	134684626	134.68	3.00E-23	NA
CL368229	RP44_288F22	T7	8	134987026	134987325	134.99	3.00E-44	LOC346943
CL342713	RP44_262N19	SP6	8	135068605	135068907	135.07	1.00E-07	LOC346943
CL374117	RP44_469J9	SP6	8	135068605	135068907	135.07	8.00E-08	LOC346943
CL386329	RP44_333J10	T7	8	135134621	135134764	135.13	7.00E-15	LOC352537
CL356160	RP44_410H20	SP6	8	135268514	135268621	135.27	3.00E-29	ZNF406
CL371518	RP44_302D18	SP6	8	135811638	135811888	135.81	5.00E-15	LOC346788
CL357042	RP44_412F15	T7	8	135817500	135817581	135.82	8.00E-14	LOC346788
CL328305	RP44_248C10	SP6	8	136084854	136084942	136.08	4.00E-13	LOC352430
CL412998	RP44_431F12	SP6	8	136344394	136344917	136.34	0	NA
CL365936	RP44_356H14	T7	8	136477705	136477801	136.48	6.00E-11	LOC352431
CL341635	RP44_261C15	T7	8	136489573	136489693	136.49	2.00E-15	LOC352431
CL368303	RP44_288H12	SP6	8	136810804	136811052	136.81	3.00E-49	NA
CL387207	RP44_281K23	T7	8	136995605	136995725	137.00	2.00E-27	NA
CL410605	RP44_419J15	T7	8	137285626	137285701	137.29	7.00E-15	NA
CL341839	RP44_261M8	T7	8	137537713	137537910	137.54	6.00E-24	NA
CL351851	RP44_313L5	T7	8	137843168	137843243	137.84	1.00E-12	NA
CL334225	RP44_251K3	SP6	8	138508508	138508560	138.51	2.00E-08	LOC346792
CL344191	RP44_278E2	T7	8	139181533	139181775	139.18	7.00E-21	NA
CL411533	RP44_422K10	T7	8	139223453	139223497	139.22	6.00E-06	NA
CL408432	RP44_415I6	SP6	8	140154133	140154489	140.15	8.00E-11	LOC346928
CL369881	RP44_292H16	T7	8	140443321	140443365	140.44	2.00E-08	MGC4737
CL369237	RP44_290M18	T7	8	140532557	140532589	140.53	6.00E-06	MGC4737
CL370121	RP44_294H21	T7	8	141088321	141088386	141.09	1.00E-11	MGC4737
CL374325	RP44_470C9	T7	8	141202709	141202750	141.20	1.00E-06	NA
CL374335	RP44_470E9	T7	8	141202709	141202750	141.20	1.00E-06	NA
CL372762	RP44_306L10	T7	8	141250389	141250516	141.25	8.00E-39	EIF2C2
CL371803	RP44_304N23	T7	8	141250389	141250720	141.25	8.00E-39	EIF2C2

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CL367517	RP44_367N13	T7	8	141541090	141541182	141.54	2.00E-27	PTK2
CL410226	RP44_418N6	T7	8	142194422	142194456	142.19	4.00E-07	LOC346811
CL336784	RP44_263J21	T7	8	142222134	142222381	142.22	2.00E-79	NA
CL389511	RP44_286L14	T7	8	143327215	143327259	143.33	8.00E-11	LOC352440
CL346905	RP44_271P1	SP6	8	144879535	144879682	144.88	3.00E-15	NA
CL368166	RP44_288H21	SP6	9	234824	234907	0.23	4.00E-10	NA
CL334571	RP44_251D18	T7	9	394990	395073	0.40	7.00E-14	FLJ00026
CL335521	RP44_253H17	SP6	9	800430	800610	0.80	2.00E-39	LOC352675
CL367666	RP44_372M15	T7	9	848158	848222	0.85	4.00E-06	DMRT1
CL384978	RP44_329P22	SP6	9	1105765	1106201	1.11	e-102	NA
CL334552	RP44_251P13	SP6	9	1222667	1222813	1.22	1.00E-07	NA
CL370601	RP44_295P24	SP6	9	1314609	1314937	1.31	3.00E-29	NA
CL411653	RP44_422D19	T7	9	1712155	1712233	1.71	3.00E-07	LOC352680
CL345051	RP44_279B21	SP6	9	1938330	1938874	1.94	2.00E-77	NA
CL360888	RP44_343I23	T7	9	1999095	1999161	2.00	1.00E-14	LOC347171
CL344984	RP44_279B21	T7	9	2090047	2090162	2.09	1.00E-07	SMARCA2
CL378769	RP44_425K5	T7	9	2138931	2139047	2.14	6.00E-06	SMARCA2
CL379835	RP44_428E10	T7	9	2138931	2139047	2.14	6.00E-06	SMARCA2
CL379921	RP44_428E10	SP6	9	2282535	2282940	2.28	1.00E-13	NA
CL412501	RP44_431E11	SP6	9	2350113	2350325	2.35	5.00E-27	NA
CL388493	RP44_284F2	SP6	9	2530521	2530682	2.53	2.00E-47	LOC286341
CL410682	RP44_419J21	SP6	9	2530521	2530682	2.53	4.00E-47	LOC286341
CL342291	RP44_262K19	T7	9	2909234	2909416	2.91	3.00E-35	LOC256280
CL380791	RP44_314A8	SP6	9	2939330	2939452	2.94	4.00E-10	LOC157988
CL339616	RP44_255F4	SP6	9	3045998	3046056	3.05	2.00E-09	NA
CL339537	RP44_255F4	T7	9	3250555	3250675	3.25	5.00E-06	RFX3
CL335453	RP44_253J11	T7	9	3357749	3357811	3.36	4.00E-07	RFX3
CL348423	RP44_274N19	SP6	9	3493432	3493742	3.49	6.00E-37	RFX3
CL369535	RP44_291G20	SP6	9	3510238	3510410	3.51	3.00E-13	RFX3
CL348340	RP44_274N19	T7	9	3690862	3690950	3.69	1.00E-10	NA
CL373226	RP44_308I16	T7	9	3750114	3750364	3.75	5.00E-34	NA
CL321499	CH242_20L12	SP6	9	3844943	3845049	3.84	7.00E-08	MGC33662
CL357882	RP44_413N22	T7	9	3922891	3922997	3.92	2.00E-18	MGC33662
CL373303	RP44_308I16	SP6	9	3922925	3922997	3.92	9.00E-11	MGC33662
CL342224	RP44_261N22	SP6	9	3932471	3932545	3.93	3.00E-14	MGC33662
CL346344	RP44_270N11	T7	9	4028740	4028790	4.03	4.00E-07	MGC33662
CL339467	RP44_268J12	SP6	9	4093009	4093233	4.09	2.00E-64	MGC33662
CL342592	RP44_262H5	T7	9	4093009	4093233	4.09	2.00E-64	MGC33662
CL346420	RP44_270N11	SP6	9	4205653	4205715	4.21	5.00E-12	LOC347174
CL368341	RP44_289A3	T7	9	4278205	4278576	4.28	3.00E-42	NA
CL342677	RP44_262H5	SP6	9	4290064	4290305	4.29	2.00E-14	LOC347176
CL372057	RP44_304P8	SP6	9	4341634	4342008	4.34	2.00E-42	LOC349340
CL383441	RP44_326G12	SP6	9	4432525	4432934	4.43	2.00E-11	LOC352684
CL334161	RP44_251O1	T7	9	4654396	4655014	4.65	2.00E-24	FLJ10058
CL333985	RP44_250J22	T7	9	4856393	4856534	4.86	2.00E-11	NA
CL364002	RP44_393C10	SP6	9	5044853	5044989	5.04	7.00E-30	JAK2
CL370233	RP44_295A15	T7	9	5710485	5710771	5.71	7.00E-64	KIAA1432
CL357539	RP44_413I24	T7	9	5896780	5897085	5.90	3.00E-11	MLANA
CL413214	RP44_432O21	SP6	9	5913965	5914155	5.91	6.00E-06	NA
CL376061	RP44_443I17	T7	9	5923457	5923873	5.92	1.00E-92	NA
CL331249	CH242_7O18	T7	9	6220589	6220654	6.22	6.00E-09	NA
CL373698	RP44_469I23	T7	9	7022786	7023139	7.02	7.00E-27	GASC1
CL389940	RP44_287D16	T7	9	7164796	7165328	7.17	2.00E-52	GASC1
CL379461	RP44_426P19	SP6	9	7165465	7165657	7.17	9.00E-54	GASC1
CL335149	RP44_253A3	T7	9	7294772	7305997	7.30	2.00E-12	NA
CL333136	RP44_249E17	T7	9	7327659	7327858	7.33	4.00E-65	NA
CL367858	RP44_372N11	SP6	9	7399525	7399593	7.40	2.00E-08	NA
CL410446	RP44_419M15	SP6	9	7502523	7502785	7.50	3.00E-54	NA
CL363926	RP44_393A14	T7	9	7551079	7551178	7.55	4.00E-27	NA
CL322435	RP44_404L20	T7	9	7553880	7554061	7.55	1.00E-21	NA
CL410381	RP44_419M15	T7	9	7710161	7710529	7.71	1.00E-93	NA
CL334404	RP44_251O20	SP6	9	7824567	7824803	7.82	3.00E-57	NA
CL360015	RP44_338B17	SP6	9	7911892	7912245	7.91	2.00E-88	NA
CL363861	RP44_392C14	SP6	9	7911892	7912245	7.91	2.00E-88	NA
CL359933	RP44_338B17	T7	9	7987634	7988086	7.99	6.00E-09	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL362414	RP44_377O4	T7	9	8010964	8011047	8.01	1.00E-07	NA
CL328557	RP44_248F22	T7	9	8097275	8097535	8.10	4.00E-16	NA
CL389190	RP44_286G20	T7	9	8211777	8211914	8.21	7.00E-09	NA
CL341975	RP44_261H15	T7	9	8236776	8237045	8.24	3.00E-93	NA
CL359986	RP44_338N3	T7	9	8387760	8388073	8.39	9.00E-73	PTPRD
CL378124	RP44_423K22	T7	9	8437263	8437367	8.44	1.00E-06	PTPRD
CL323203	RP44_457B22	SP6	9	8490176	8490873	8.49	6.00E-74	PTPRD
CL321146	CH242_15B3	SP6	9	8532433	8532501	8.53	7.00E-06	PTPRD
CL325957	RP44_242L7	T7	9	8559366	8559417	8.56	6.00E-08	PTPRD
CL321145	CH242_15B3	T7	9	8577435	8577710	8.58	8.00E-15	PTPRD
CL333486	RP44_249J6	SP6	9	8579495	8579818	8.58	9.00E-82	PTPRD
CL332253	CH242_10G2	SP6	9	8607826	8608042	8.61	3.00E-26	PTPRD
CL334600	RP44_251L18	T7	9	8681647	8681827	8.68	5.00E-30	PTPRD
CL326009	RP44_242L7	SP6	9	8724541	8724863	8.72	6.00E-23	PTPRD
CL325123	RP44_479K21	SP6	9	8771241	8771661	8.77	1.00E-19	PTPRD
CL359366	RP44_336J15	SP6	9	8826186	8826267	8.83	2.00E-17	PTPRD
CL372774	RP44_306N16	T7	9	8895251	8896038	8.90	1.00E-25	PTPRD
CL413568	RP44_433J4	T7	9	8969050	8970697	8.97	2.00E-27	PTPRD
CL372855	RP44_306N16	SP6	9	9053826	9054361	9.05	3.00E-20	PTPRD
CL340405	RP44_257M8	SP6	9	9173323	9173370	9.17	3.00E-10	PTPRD
CL378314	RP44_423N4	SP6	9	9327973	9328208	9.33	2.00E-24	PTPRD
CL362149	RP44_375C3	SP6	9	9356276	9356481	9.36	1.00E-53	PTPRD
CL376710	RP44_445B13	T7	9	9439455	9439513	9.44	2.00E-07	PTPRD
CL383640	RP44_327E7	T7	9	9657888	9658218	9.66	1.00E-16	PTPRD
CL409719	RP44_417P2	T7	9	10055198	10055599	10.06	1.00E-37	NA
CL330711	CH242_4D24	T7	9	10322421	10322469	10.32	6.00E-06	LOC347184
CL389773	RP44_287C22	T7	9	10653124	10653348	10.65	2.00E-42	NA
CL323981	RP44_463M12	T7	9	10884980	10885130	10.89	2.00E-45	LOC347185
CL378404	RP44_424A6	SP6	9	11346351	11346775	11.35	8.00E-18	LOC347186
CL371837	RP44_304D23	SP6	9	12373935	12374793	12.37	6.00E-06	NA
CL379846	RP44_428G12	T7	9	12383075	12383450	12.38	e-113	NA
CL323144	RP44_457H3	SP6	9	12471341	12471878	12.47	3.00E-94	NA
CL413860	RP44_435K8	T7	9	12550204	12550349	12.55	1.00E-07	NA
CL379279	RP44_426G10	SP6	9	12638753	12638806	12.64	1.00E-06	NA
CL388944	RP44_285D22	SP6	9	12673284	12686212	15.28	5.00E-09	LOC352695
CL351529	RP44_313K21	T7	9	12688436	12688629	12.69	2.00E-61	TYRP1
CL361492	RP44_350F8	SP6	9	12688903	12689012	12.69	5.00E-14	TYRP1
CL342608	RP44_262J19	T7	9	12713838	12713895	12.71	3.00E-11	NA
CL410027	RP44_418A20	SP6	9	12787919	12788088	12.79	3.00E-14	LOC286343
CL354992	RP44_408N11	SP6	9	12935202	12935238	12.94	6.00E-06	NA
CL359810	RP44_338I5	T7	9	13000092	13000393	13.00	6.00E-06	NA
CL341937	RP44_261O6	SP6	9	13014262	13014447	13.01	5.00E-22	LOC138874
CL373245	RP44_308M16	T7	9	13040453	13040957	13.04	3.00E-39	LOC138874
CL340187	RP44_257M21	T7	9	13080656	13080879	13.08	8.00E-15	NA
CL327084	RP44_245E21	T7	9	13092760	13092938	13.09	2.00E-48	NA
CL354908	RP44_408N11	T7	9	13138369	13139050	13.14	1.00E-13	MPDZ
CL385420	RP44_330D18	T7	9	13152670	13152816	13.15	6.00E-43	MPDZ
CL411441	RP44_421J6	SP6	9	13256031	13256069	13.26	1.00E-09	NA
CL375784	RP44_436L16	SP6	9	13259906	13260242	13.26	1.00E-15	NA
CL340266	RP44_257M21	SP6	9	13302086	13302151	13.30	2.00E-06	LOC347190
CL385499	RP44_330D20	SP6	9	13354753	13355271	13.36	7.00E-73	LOC347190
CL320924	CH242_15E23	SP6	9	13432080	13432124	13.43	7.00E-06	LOC347190
CL344609	RP44_278H10	SP6	9	13440489	13440948	13.44	5.00E-53	LOC347190
CL330504	CH242_4I7	T7	9	13442970	13443486	13.44	4.00E-19	LOC347190
CL375700	RP44_436L16	T7	9	13448946	13449085	13.45	1.00E-12	LOC347190
CL363513	RP44_388N13	SP6	9	13706801	13707427	13.71	e-173	LOC352690
CL346299	RP44_270F1	T7	9	13714330	13714504	13.71	8.00E-21	LOC352690
CL368579	RP44_289M16	T7	9	13744429	13744864	13.74	4.00E-44	NA
CL389696	RP44_287A19	SP6	9	13894852	13895042	13.89	9.00E-36	NA
CL363446	RP44_388N13	T7	9	13910039	13910160	13.91	3.00E-11	NA
CL368658	RP44_289M16	SP6	9	13931640	13932183	13.93	8.00E-98	LOC347191
CL356552	RP44_411H11	SP6	9	14056947	14057463	14.06	1.00E-53	NA
CL336294	RP44_255N23	SP6	9	14117699	14118275	14.12	1.00E-19	NFIB
CL323129	RP44_457D19	SP6	9	14118060	14118387	14.12	2.00E-08	NFIB
CL322798	RP44_437E19	SP6	9	14151955	14152342	14.15	2.00E-07	NFIB

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CL356488	RP44_411H11	T7	9	14230484	14230907	14.23	e-154	NFIB
CL336213	RP44_255N23	T7	9	14252981	14253509	14.25	4.00E-56	NFIB
CL347416	RP44_272D1	T7	9	14488689	14488742	14.49	6.00E-09	LOC158328
CL414415	RP44_436D21	SP6	9	15089999	15090430	15.09	e-108	NA
CL351004	RP44_311F10	T7	9	15161605	15162030	15.16	2.00E-11	FLJ33868
CL380386	RP44_429K23	T7	9	15169660	15169928	15.17	4.00E-10	FLJ33868
CL354667	RP44_408G17	SP6	9	15238653	15239011	15.24	5.00E-37	FLJ33868
CL384197	RP44_328L23	SP6	9	15252744	15252804	15.25	5.00E-06	FLJ33868
CL386678	RP44_334J23	SP6	9	15725187	15725548	15.73	3.00E-63	NA
CL354236	RP44_405L10	SP6	9	15725445	15725548	15.73	2.00E-15	NA
CL342718	RP44_262P5	SP6	9	16009863	16009967	16.01	2.00E-06	FLJ39267
CL343023	RP44_276G15	SP6	9	16308486	16308825	16.31	8.00E-39	NA
CL364195	RP44_396I11	SP6	9	16425100	16425409	16.43	5.00E-30	FLJ20043
CL387235	RP44_281C1	SP6	9	16465282	16465723	16.47	e-172	NA
CL387549	RP44_281D1	SP6	9	16465282	16465723	16.47	e-167	NA
CL320205	CH242_2017	T7	9	16542517	16542569	16.54	3.00E-06	NA
CL327519	RP44_246I15	T7	9	16580847	16580897	16.58	1.00E-08	NA
CL345278	RP44_279P18	SP6	9	16693656	16693745	16.69	4.00E-10	LOC347202
CL411532	RP44_422K8	T7	9	16742539	16743246	16.74	3.00E-60	LOC352693
CL341882	RP44_261E4	SP6	9	16743297	16743559	16.74	7.00E-79	LOC352693
CL413113	RP44_432M9	T7	9	16776922	16777289	16.78	6.00E-28	LOC352694
CL372830	RP44_306H24	SP6	9	16794655	16795198	16.79	9.00E-32	LOC352694
CL378983	RP44_425G6	SP6	9	16936474	16936560	16.94	3.00E-10	NA
CL335212	RP44_253O3	T7	9	17352196	17352364	17.35	2.00E-22	FLJ20276
CL384920	RP44_329B12	SP6	9	17521774	17521859	17.52	2.00E-16	NA
CL388872	RP44_285D22	T7	9	17697389	17697500	17.70	4.00E-06	SH3GL2
CL346407	RP44_270L9	SP6	9	17845307	17845358	17.85	2.00E-10	LOC352695
CL385143	RP44_330G6	T7	9	18013466	18013585	18.01	7.00E-15	NA
CL357150	RP44_412J23	SP6	9	18014055	18014211	18.01	2.00E-13	NA
CL365322	RP44_400D8	T7	9	18263467	18264051	18.26	2.00E-67	NA
CL343302	RP44_276N5	T7	9	18337381	18338395	18.34	0	NA
CL358048	RP44_414O9	T7	9	18433484	18433543	18.43	3.00E-07	NA
CL377980	RP44_422H6	T7	9	18522656	18522705	18.52	6.00E-09	ADAMTSL1
CL335974	RP44_254L22	SP6	9	18569652	18570104	18.57	2.00E-83	ADAMTSL1
CL337647	RP44_264L22	SP6	9	18588514	18588959	18.59	1.00E-16	ADAMTSL1
CL384464	RP44_329O21	T7	9	18588514	18588959	18.59	1.00E-16	ADAMTSL1
CL365975	RP44_356B18	SP6	9	18600970	18601345	18.60	e-141	ADAMTSL1
CL322277	RP44_404G12	T7	9	18666560	18666605	18.67	2.00E-11	ADAMTSL1
CL390203	RP44_288I19	SP6	9	18729400	18729686	18.73	7.00E-48	NA
CL361544	RP44_351C15	T7	9	18918101	18918462	18.92	3.00E-69	MGC35182
CL361629	RP44_351C15	SP6	9	18918101	18918575	18.92	5.00E-77	MGC35182
CL327578	RP44_246G5	SP6	9	18961393	18961736	18.96	4.00E-34	MGC35182
CL343476	RP44_276P2	T7	9	18979144	18979512	18.98	1.00E-68	MGC35182
CL380536	RP44_429G16	T7	9	19053749	19053785	19.05	3.00E-06	FLJ20060
CL389119	RP44_286K5	SP6	9	19496851	19497696	19.50	3.00E-20	LOC347206
CL358567	RP44_414N6	SP6	9	19540126	19540251	19.54	4.00E-28	SLC24A2
CL334702	RP44_252C9	T7	9	19705349	19705510	19.71	6.00E-12	SLC24A2
CL328861	RP44_373L6	SP6	9	19732582	19732694	19.73	2.00E-09	SLC24A2
CL325829	RP44_242K20	T7	9	19762160	19762281	19.76	2.00E-21	SLC24A2
CL328860	RP44_373L6	T7	9	19925418	19925472	19.93	7.00E-12	NA
CL376430	RP44_444F17	T7	9	20071754	20071816	20.07	3.00E-07	LOC347209
CL375274	RP44_471G24	SP6	9	20122699	20122798	20.12	5.00E-15	NA
CL326040	RP44_242D6	SP6	9	20321308	20323434	20.32	3.00E-20	LOC347214
CL375186	RP44_471G24	T7	9	20321308	20323434	20.32	2.00E-20	LOC347214
CL355096	RP44_409E5	SP6	9	20458162	20458238	20.46	5.00E-06	MLLT3
CL412731	RP44_431B3	T7	9	20511674	20511818	20.51	9.00E-11	MLLT3
CL380482	RP44_429M19	SP6	9	20594072	20594698	20.59	7.00E-43	MLLT3
CL353720	RP44_403D17	SP6	9	20622194	20622277	20.62	1.00E-07	NA
CL412813	RP44_431B3	SP6	9	20707403	20707736	20.71	4.00E-07	FLJ20375
CL366574	RP44_362M8	SP6	9	20708105	20708185	20.71	9.00E-11	FLJ20375
CL328720	RP44_370L20	SP6	9	20792605	20792987	20.79	7.00E-76	FLJ20375
CL325552	RP44_241B18	T7	9	20806352	20806584	20.81	1.00E-09	FLJ20375
CL328719	RP44_370L20	T7	9	20943594	20943644	20.94	4.00E-12	FLJ20375
CL368696	RP44_289F1	T7	9	20972206	20972456	20.97	3.00E-29	FLJ20375
CL368577	RP44_289M12	T7	9	20972237	20972456	20.97	5.00E-25	FLJ20375

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL383444	RP44_326G20	SP6	9	21131271	21410607	21.27	2.00E-12	IFNW1
CL322695	RP44_416K4	T7	9	21179115	21452575	21.32	6.00E-14	NA
CL334005	RP44_250N24	T7	9	21325367	21325480	21.33	3.00E-11	KIAA1354
CL439781	RP44_297P17	SP6	9	21566721	21566932	21.57	1.00E-40	NA
CL358154	RP44_414I2	T7	9	21588695	21588748	21.59	1.00E-11	NA
CL358252	RP44_414M2	SP6	9	21778424	21778524	21.78	8.00E-08	NA
CL409750	RP44_417H4	SP6	9	22001615	22001777	22.00	1.00E-40	MTAP
CL364501	RP44_396N11	SP6	9	22028386	22028471	22.03	2.00E-07	NA
CL409686	RP44_417H4	T7	9	22209030	22209108	22.21	4.00E-07	NA
CL345393	RP44_280C13	SP6	9	22374341	22374388	22.37	1.00E-07	NA
CL384054	RP44_327N20	SP6	9	22385068	22385201	22.39	4.00E-19	NA
CL326417	RP44_243D15	SP6	9	22406539	22406760	22.41	1.00E-15	NA
CL414223	RP44_436M20	T7	9	22444519	22444663	22.44	1.00E-10	NA
CL360776	RP44_341L24	T7	9	22476327	22476492	22.48	1.00E-13	NA
CL349045	RP44_275J19	SP6	9	22887860	22887950	22.89	2.00E-09	LOC347222
CL346152	RP44_270C21	T7	9	23133306	23133517	23.13	2.00E-24	LOC352702
CL351321	RP44_312I8	T7	9	23162282	23162587	23.16	1.00E-47	LOC352702
CL342706	RP44_262N5	SP6	9	23219716	23220278	23.22	e-169	NA
CL351365	RP44_312I8	SP6	9	23408736	23408979	23.41	2.00E-12	NA
CL355244	RP44_409E22	SP6	9	23479294	23479695	23.48	4.00E-23	NA
CL347951	RP44_273M10	SP6	9	23479360	23479695	23.48	3.00E-23	NA
CL355755	RP44_410G20	T7	9	23487525	23487858	23.49	1.00E-09	NA
CL329506	RP44_394B1	T7	9	23788683	23788876	23.79	3.00E-29	ELAVL2
CL364920	RP44_400A8	T7	9	23811725	23812148	23.81	1.00E-56	ELAVL2
CL339304	RP44_268H19	SP6	9	24060880	24061371	24.06	8.00E-27	LOC347224
CL331146	CH242_6L7	SP6	9	24117064	24117465	24.12	9.00E-85	LOC347225
CL328898	RP44_373P4	SP6	9	24233759	24233906	24.23	4.00E-13	NA
CL339222	RP44_268H19	T7	9	24288246	24288781	24.29	1.00E-34	NA
CL331063	CH242_6L7	T7	9	24325839	24326293	24.33	1.00E-22	NA
CL324840	RP44_478H21	SP6	9	24511726	24511866	24.51	8.00E-16	NA
CL331436	CH242_7H5	SP6	9	24600890	24601294	24.60	1.00E-09	NA
CL349312	RP44_309K7	T7	9	24604673	24604981	24.60	1.00E-31	NA
CL366447	RP44_362A14	T7	9	24604782	24604981	24.60	1.00E-30	NA
CL348412	RP44_274L17	SP6	9	24823177	24823417	24.82	1.00E-13	NA
CL362720	RP44_380B19	SP6	9	25160711	25160911	25.16	2.00E-70	NA
CL327095	RP44_245I9	T7	9	25687450	25687730	25.69	1.00E-58	NA
CL408601	RP44_415L9	SP6	9	25692576	25692767	25.69	7.00E-35	NA
CL327695	RP44_246A2	SP6	9	25692576	25692799	25.69	4.00E-44	NA
CL331891	CH242_9C23	SP6	9	25785531	25785930	25.79	6.00E-62	NA
CL368263	RP44_288N6	T7	9	26466283	26466634	26.47	4.00E-78	NA
CL368324	RP44_288N6	SP6	9	26675979	26676213	26.68	6.00E-06	NA
CL343339	RP44_276D19	SP6	9	26714955	26715212	26.72	9.00E-54	NA
CL376909	RP44_449G1	T7	9	26838138	26838882	26.84	2.00E-06	FLJ13657
CL359025	RP44_335D13	SP6	9	26849868	26850367	26.85	1.00E-13	FLJ13657
CL333525	RP44_250A23	T7	9	27647434	27647814	27.65	4.00E-96	LOC352709
CL361240	RP44_344P2	SP6	9	28197214	28197329	28.20	1.00E-15	FLJ31810
CL334464	RP44_251N3	T7	9	28307700	28308042	28.31	6.00E-70	FLJ31810
CL349645	RP44_309P17	T7	9	28312577	28312625	28.31	2.00E-08	FLJ31810
CL323052	RP44_455H18	T7	9	28678061	28678173	28.68	2.00E-08	FLJ31810
CL363273	RP44_383D13	T7	9	28686798	28687165	28.69	2.00E-20	FLJ31810
CL342503	RP44_262E18	SP6	9	28699487	28699579	28.70	6.00E-18	FLJ31810
CL372717	RP44_306D2	T7	9	28853355	28853754	28.85	e-136	LOC340490
CL363341	RP44_383D13	SP6	9	28853376	28853754	28.85	e-135	LOC340490
CL375111	RP44_471I17	SP6	9	28853494	28853754	28.85	e-118	LOC340490
CL339359	RP44_268D14	T7	9	28964931	28965431	28.97	6.00E-06	LOC340491
CL387922	RP44_283O1	SP6	9	29188056	29188118	29.19	5.00E-19	LOC347231
CL387844	RP44_283O1	T7	9	29311999	29312161	29.31	7.00E-06	LOC340492
CL368462	RP44_289G1	SP6	9	29455028	29455313	29.46	5.00E-34	LOC340492
CL343692	RP44_277K1	SP6	9	29773004	29773348	29.77	5.00E-99	NA
CL409247	RP44_417E21	T7	9	29965754	29965951	29.97	8.00E-12	NA
CL335994	RP44_255A17	T7	9	30116232	30118272	30.12	1.00E-19	LOC352713
CL331392	CH242_7N3	T7	9	30222120	30222173	30.22	2.00E-11	LOC352713
CL379292	RP44_426K12	SP6	9	30890468	30890883	30.89	7.00E-11	NA
CL358018	RP44_414I3	T7	9	30890807	30890883	30.89	5.00E-11	NA
CL358028	RP44_414K7	T7	9	30890807	30890961	30.89	2.00E-17	NA

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CL389063	RP44_286O15	T7	9	31381420	31381474	31.38	4.00E-07	NA
CL364934	RP44_400C14	T7	9	31481169	31481340	31.48	6.00E-15	NA
CL366048	RP44_358E22	T7	9	31628438	31628515	31.63	2.00E-14	NA
CL372122	RP44_305K19	T7	9	31651297	31651364	31.65	4.00E-10	NA
CL326352	RP44_243C20	SP6	9	31840711	31840761	31.84	4.00E-07	NA
CL331637	CH242_8B1	T7	9	32258221	32258454	32.26	2.00E-17	NA
CL342874	RP44_275L14	SP6	9	32258349	32258454	32.26	9.00E-19	NA
CL359988	RP44_338N7	T7	9	32333525	32333599	32.33	2.00E-07	NA
CL342992	RP44_276A19	SP6	9	32664068	32664245	32.66	1.00E-25	NA
CL413840	RP44_435G2	T7	9	32808025	32808166	32.81	2.00E-35	NA
CL342910	RP44_276A19	T7	9	32862098	32862366	32.86	2.00E-24	LOC158284
CL325490	RP44_241F13	SP6	9	32862098	32862367	32.86	2.00E-24	LOC158284
CL340627	RP44_257P20	T7	9	32944335	32944526	32.94	4.00E-10	NA
CL349121	RP44_275J6	T7	9	33074736	33074838	33.07	3.00E-17	NA
CL410581	RP44_419F9	T7	9	33181342	33181497	33.18	2.00E-12	NA
CL322220	RP44_404O23	SP6	9	33395291	33395335	33.40	1.00E-08	LOC347237
CL440149	RP44_299D20	SP6	9	33429609	33429852	33.43	2.00E-24	NA
CL374941	RP44_470J8	SP6	9	33597422	33597482	33.60	4.00E-06	NA
CL337638	RP44_264L2	SP6	9	33943172	33943533	33.94	3.00E-88	UBAP2
CL321748	CH242_13H7	T7	9	34115009	34115203	34.12	4.00E-81	KIAA1892
CL364770	RP44_398L5	SP6	9	34121504	34121663	34.12	9.00E-29	NA
CL362362	RP44_377C24	T7	9	34231323	34232001	34.23	0	UBAP1
CL336802	RP44_263N19	T7	9	34231353	34231927	34.23	0	UBAP1
CL336880	RP44_263N19	SP6	9	34412444	34412579	34.41	4.00E-10	C9orf25
CL320507	CH242_10D18	T7	9	34558825	34558989	34.56	2.00E-42	CNTFR
CL337450	RP44_264B19	SP6	9	34606015	34606154	34.61	6.00E-34	NA
CL382164	RP44_323H13	T7	9	34636096	34636126	34.64	2.00E-07	NA
CL414388	RP44_436P13	T7	9	34636096	34636126	34.64	4.00E-07	NA
CL328372	RP44_248O22	SP6	9	34703642	34703994	34.70	7.00E-09	NA
CL413189	RP44_432K9	SP6	9	34718514	34885045	34.80	9.00E-14	NA
CL369690	RP44_292M5	SP6	9	35223969	35224118	35.22	3.00E-25	UNC13
CL347935	RP44_273I14	SP6	9	35536320	35536538	35.54	2.00E-84	KIAA0375
CL329508	RP44_394B3	T7	9	35601422	35601468	35.60	3.00E-07	CD72
CL376098	RP44_443C8	T7	9	35794029	35794101	35.79	2.00E-08	NPR2
CL331367	CH242_7F21	T7	9	35800900	35801220	35.80	2.00E-58	SPAG8
CL370998	RP44_301A19	T7	9	36092084	36092418	36.09	5.00E-55	RECK
CL381704	RP44_316A24	T7	9	36125678	36125799	36.13	1.00E-11	NA
CL379792	RP44_428M7	SP6	9	36691412	36691445	36.69	1.00E-06	NA
CL366629	RP44_362J7	T7	9	36761247	36761277	36.76	2.00E-07	NA
CL351916	RP44_313H13	SP6	9	36891837	36892136	36.89	2.00E-11	PAX5
CL366704	RP44_362J7	SP6	9	36891837	36892136	36.89	3.00E-11	PAX5
CL327877	RP44_246J19	SP6	9	36913338	36913466	36.91	5.00E-36	PAX5
CL360944	RP44_343G17	SP6	9	37169415	37169888	37.17	0	FLJ22611
CL333583	RP44_250O21	T7	9	37341270	37341664	37.34	2.00E-08	FLJ22611
CL370299	RP44_295A19	SP6	9	37527099	37527241	37.53	2.00E-44	FBXO10
CL341679	RP44_261M7	T7	9	37647306	37647468	37.65	2.00E-10	KIAA0967
CL413325	RP44_432J22	SP6	9	38116856	38116903	38.12	8.00E-15	LOC347249
CL330906	CH242_6I17	T7	9	38680457	38680695	38.68	6.00E-39	LOC352725
CL386700	RP44_334P7	SP6	9	64704480	64704524	64.70	6.00E-06	PGM5
CL371742	RP44_304D3	T7	9	64894623	64895137	64.89	2.00E-33	PIP5K1B
CL375133	RP44_471M21	SP6	9	64904676	64904947	64.90	5.00E-36	PIP5K1B
CL340346	RP44_257O14	T7	9	65020780	65020816	65.02	5.00E-06	PIP5K1B
CL371827	RP44_304D3	SP6	9	65067260	65067687	65.07	2.00E-30	PIP5K1B
CL375806	RP44_436P14	SP6	9	65106513	65106561	65.11	5.00E-06	PIP5K1B
CL366820	RP44_362B18	SP6	9	65147986	65148063	65.15	3.00E-13	PIP5K1B
CL366746	RP44_362B18	T7	9	65328171	65328509	65.33	1.00E-21	NA
CL338078	RP44_265D1	SP6	9	65626025	65626152	65.63	3.00E-34	APBA1
CL323539	RP44_458M8	SP6	9	65732558	65732642	65.73	2.00E-15	APBA1
CL387262	RP44_281I7	SP6	9	65743964	65744245	65.74	1.00E-47	APBA1
CL371814	RP44_304B1	SP6	9	65812593	65813738	65.81	8.00E-15	APBA1
CL347278	RP44_272G22	T7	9	66151183	66151539	66.15	8.00E-12	LOC347102
CL359367	RP44_336J17	SP6	9	66161221	66161374	66.16	1.00E-28	LOC347102
CL339803	RP44_256K9	SP6	9	66169240	66169412	66.17	2.00E-11	LOC347102
CL372066	RP44_305A1	T7	9	66228314	66228516	66.23	4.00E-27	NA
CL359660	RP44_337C16	T7	9	66284096	66284476	66.28	2.00E-24	MGC21981

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL359722	RP44_337C16	SP6	9	66490280	66490748	66.49	9.00E-51	SMC5L1
CL363469	RP44_388D7	SP6	9	66576588	66576656	66.58	1.00E-06	BTEB1
CL349141	RP44_308H2	T7	9	66655364	66655622	66.66	5.00E-17	LOC347103
CL363407	RP44_388D7	T7	9	66762556	66763089	66.76	e-107	TRPM3
CL336219	RP44_255P15	T7	9	66932505	66932577	66.93	6.00E-06	TRPM3
CL363359	RP44_383H13	SP6	9	66993223	66993306	66.99	3.00E-17	TRPM3
CL325839	RP44_242O6	T7	9	66993223	66993306	66.99	2.00E-17	TRPM3
CL382949	RP44_325I10	SP6	9	67060246	67060504	67.06	3.00E-08	NA
CL373657	RP44_469C1	T7	9	67116211	67116279	67.12	6.00E-06	LOC347105
CL375642	RP44_436P21	SP6	9	67231767	67231840	67.23	2.00E-06	NA
CL379462	RP44_426P21	SP6	9	67299028	67299068	67.30	6.00E-06	NA
CL411498	RP44_422C16	T7	9	67300895	67301163	67.30	8.00E-15	NA
CL366081	RP44_358O12	T7	9	67362759	67362912	67.36	2.00E-21	LOC347106
CL369935	RP44_292F4	SP6	9	67630635	67630711	67.63	8.00E-11	NA
CL360554	RP44_339F19	SP6	9	67644714	67644976	67.64	3.00E-07	NA
CL379158	RP44_426I3	SP6	9	67821963	67822485	67.82	5.00E-40	NA
CL343032	RP44_276I13	SP6	9	67919837	67920042	67.92	8.00E-69	TMEM2
CL344322	RP44_278M24	SP6	9	68002800	68002886	68.00	1.00E-16	LOC352597
CL365771	RP44_355N23	SP6	9	68013534	68013598	68.01	2.00E-08	LOC352597
CL376425	RP44_444F3	T7	9	68132339	68132372	68.13	1.00E-06	LOC138241
CL365722	RP44_355N23	T7	9	68200438	68200686	68.20	1.00E-16	NA
CL386139	RP44_333C18	T7	9	68237657	68237850	68.24	4.00E-10	LOC138240
CL348938	RP44_275F13	T7	9	68326198	68326250	68.33	3.00E-08	GDA
CL356843	RP44_412K5	SP6	9	68427265	68427400	68.43	7.00E-06	GDA
CL385111	RP44_330O21	SP6	9	68652912	68653117	68.65	4.00E-10	NA
CL355750	RP44_410G10	T7	9	68815447	68815638	68.82	1.00E-12	TMC1
CL353537	RP44_403G12	T7	9	68843056	68843126	68.84	6.00E-12	TMC1
CL351037	RP44_311L16	T7	9	68881380	68881715	68.88	5.00E-28	TMC1
CL413414	RP44_433I18	T7	9	69128320	69128649	69.13	3.00E-32	ALDH1A1
CL376451	RP44_444L19	T7	9	69160191	69160323	69.16	4.00E-16	ALDH1A1
CL376498	RP44_444L10	T7	9	69160192	69160237	69.16	8.00E-07	ALDH1A1
CL336754	RP44_263D23	T7	9	69320019	69320594	69.32	7.00E-21	NA
CL336764	RP44_263F23	T7	9	69320019	69320629	69.32	8.00E-21	NA
CL376549	RP44_444L10	SP6	9	69355071	69355315	69.36	3.00E-22	ANXA1
CL365196	RP44_400J11	SP6	9	69497465	69497514	69.50	2.00E-06	NA
CL365203	RP44_400L1	SP6	9	69497465	69497514	69.50	1.00E-06	NA
CL410849	RP44_420A21	T7	9	69527170	69527527	69.53	4.00E-68	NA
CL330449	CH242_3J16	SP6	9	69666969	69666997	69.67	7.00E-06	LOC138971
CL329166	RP44_382J20	SP6	9	69755876	69756061	69.76	2.00E-11	NA
CL324313	RP44_474K24	T7	9	69872404	69872950	69.87	2.00E-77	NA
CL362428	RP44_377A16	SP6	9	69892823	69892889	69.89	2.00E-07	NA
CL328805	RP44_373F8	T7	9	69913515	69913552	69.91	5.00E-09	NA
CL412328	RP44_430D12	SP6	9	69925240	69925317	69.93	2.00E-06	NA
CL337537	RP44_264F2	T7	9	69961540	69961870	69.96	1.00E-07	NA
CL326204	RP44_243C15	SP6	9	69986996	69987032	69.99	5.00E-06	NA
CL347799	RP44_273M1	SP6	9	70001429	70001507	70.00	3.00E-14	NA
CL324314	RP44_474K24	SP6	9	70075384	70075507	70.08	6.00E-22	NA
CL362350	RP44_377A16	T7	9	70075384	70075543	70.08	9.00E-30	NA
CL381331	RP44_315J15	SP6	9	70075612	70076129	70.08	1.00E-34	NA
CL370103	RP44_294D23	T7	9	70091408	70091575	70.09	4.00E-16	NA
CL332406	CH242_10D13	SP6	9	70431062	70431473	70.43	8.00E-61	NA
CL331098	CH242_6B15	SP6	9	70704522	70705089	70.70	e-147	RORB
CL345044	RP44_279P21	T7	9	70750737	70751330	70.75	3.00E-26	RORB
CL378362	RP44_424E16	T7	9	70844774	70844854	70.84	1.00E-10	RORB
CL355257	RP44_409I8	SP6	9	70860192	70860441	70.86	1.00E-34	RORB
CL371569	RP44_302P4	SP6	9	70873813	70874586	70.87	1.00E-09	NA
CL366220	RP44_358N13	T7	9	70905292	70905557	70.91	3.00E-51	NA
CL384854	RP44_329B10	T7	9	71506015	71506078	71.51	1.00E-12	LOC352599
CL385174	RP44_330M12	T7	9	71616304	71616380	71.62	1.00E-15	NA
CL373618	RP44_457J24	T7	9	71782693	71783331	71.78	9.00E-30	LOC347114
CL327477	RP44_246A11	T7	9	71796668	71796750	71.80	6.00E-08	LOC347114
CL342045	RP44_261H17	SP6	9	71865916	71865952	71.87	5.00E-06	NA
CL366438	RP44_358P14	SP6	9	72125416	72125530	72.13	2.00E-09	PCSK5
CL351336	RP44_312M16	T7	9	72125416	72125530	72.13	4.00E-07	PCSK5
CL363580	RP44_388L16	T7	9	72175338	72175464	72.18	2.00E-14	PCSK5

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CL369705	RP44_292O15	SP6	9	72328779	72329305	72.33	4.00E-32	PCSK5
CL350159	RP44_310I6	SP6	9	72747040	72747581	72.75	8.00E-51	NA
CL380937	RP44_314N7	T7	9	72870710	72870750	72.87	3.00E-06	KIAA0367
CL411054	RP44_420K14	T7	9	72891550	72892032	72.89	3.00E-16	NA
CL350077	RP44_310I6	T7	9	72914872	72915077	72.91	3.00E-14	NA
CL367277	RP44_365K17	SP6	9	73006542	77438637	75.22	6.00E-39	NA
CL408671	RP44_415J12	T7	9	73031261	73031745	73.03	e-158	LOC158471
CL440254	RP44_300M5	T7	9	73034905	73035667	73.04	3.00E-47	LOC158471
CL381224	RP44_315F7	T7	9	73034905	73035670	73.04	3.00E-50	LOC158471
CL408754	RP44_415J12	SP6	9	73209808	73210309	73.21	1.00E-77	LOC347115
CL336896	RP44_263B12	T7	9	73211297	73211985	73.21	9.00E-11	LOC347115
CL326852	RP44_244C2	SP6	9	73281199	73281833	73.28	3.00E-20	NA
CL411609	RP44_422K2	SP6	9	73307014	73307413	73.31	0	NA
CL347503	RP44_272F5	SP6	9	73423379	73423457	73.42	2.00E-14	CHAC
CL347817	RP44_273O19	SP6	9	73683970	73684032	73.68	2.00E-09	GNA14
CL386635	RP44_334P19	T7	9	74064965	74065062	74.07	6.00E-12	GNAQ
CL369874	RP44_292F22	T7	9	74077493	74077822	74.08	3.00E-13	GNAQ
CL344188	RP44_278C20	T7	9	74099717	74099781	74.10	1.00E-10	GNAQ
CL357585	RP44_413C12	SP6	9	74168051	74168242	74.17	2.00E-15	GNAQ
CL345238	RP44_279J2	SP6	9	74184761	74185253	74.19	3.00E-32	GNAQ
CL386704	RP44_334P19	SP6	9	74212103	74212264	74.21	2.00E-30	GNAQ
CL382564	RP44_324H7	T7	9	74289111	74289194	74.29	4.00E-10	NA
CL363049	RP44_383E7	SP6	9	74783476	74783551	74.78	1.00E-12	NA
CL412736	RP44_431B13	T7	9	74789860	74790194	74.79	e-107	NA
CL355038	RP44_409G17	T7	9	74805036	74805254	74.81	6.00E-33	LOC352603
CL350339	RP44_310N19	SP6	9	74805036	74805414	74.81	9.00E-33	LOC352603
CL351509	RP44_313G21	T7	9	74858306	74858589	74.86	8.00E-27	NA
CL366964	RP44_363C7	SP6	9	74881348	74881507	74.88	3.00E-10	NA
CL357695	RP44_413J7	T7	9	74894118	74894614	74.89	6.00E-12	NA
CL414007	RP44_435B6	T7	9	75025434	75025479	75.03	1.00E-06	LOC352605
CL332017	CH242_10M5	T7	9	75126773	75126894	75.13	5.00E-19	NA
CL361246	RP44_344P14	SP6	9	75209686	75210149	75.21	3.00E-97	LOC340460
CL344309	RP44_278K16	SP6	9	75213694	75214220	75.21	0	LOC340460
CL323651	RP44_458H12	SP6	9	75241162	75241458	75.24	e-132	LOC340460
CL336301	RP44_263G3	T7	9	75241162	75241458	75.24	e-132	LOC340460
CL344583	RP44_278B10	SP6	9	75241222	75241971	75.24	e-103	LOC340460
CL357195	RP44_412D18	T7	9	75326502	75327558	75.33	6.00E-15	NA
CL362280	RP44_375B18	SP6	9	75326502	75327570	75.33	5.00E-12	NA
CL408719	RP44_415D2	SP6	9	75477015	75477047	75.48	6.00E-06	NA
CL347849	RP44_273G6	T7	9	75538382	75538710	75.54	2.00E-33	NA
CL360367	RP44_339G8	T7	9	75897631	75898007	75.90	2.00E-14	TLE4
CL340884	RP44_258D22	T7	9	76080309	76080599	76.08	e-101	NA
CL357007	RP44_412M22	SP6	9	76138767	76138917	76.14	5.00E-12	NA
CL380170	RP44_428F6	T7	9	76148500	76149009	76.15	1.00E-68	NA
CL340952	RP44_258D22	SP6	9	76246243	76246803	76.25	0	NA
CL413590	RP44_433N6	T7	9	76271480	76271538	76.27	2.00E-09	NA
CL380259	RP44_428F6	SP6	9	76290815	76291155	76.29	6.00E-25	LOC352609
CL356939	RP44_412M22	T7	9	76291071	76291309	76.29	6.00E-24	LOC352609
CL332534	CH242_12K15	T7	9	76451513	76451578	76.45	7.00E-09	LOC347121
CL327044	RP44_244N6	SP6	9	76535139	76535187	76.54	8.00E-11	LOC347122
CL334717	RP44_252E19	T7	9	76724885	76724998	76.72	6.00E-18	LOC347122
CL411337	RP44_420N2	T7	9	77027493	77027665	77.03	2.00E-63	LOC347123
CL360313	RP44_339I7	SP6	9	77097784	77098291	77.10	4.00E-84	LOC347123
CL338623	RP44_266O2	SP6	9	77117294	77117810	77.12	6.00E-71	LOC347123
CL413026	RP44_431L16	SP6	9	77281868	77282109	77.28	8.00E-82	NA
CL359129	RP44_335H14	T7	9	77600592	77600757	77.60	9.00E-17	NA
CL377340	RP44_449J5	SP6	9	77649500	77650174	77.65	7.00E-46	NA
CL386758	RP44_334P2	T7	9	77650091	77650282	77.65	2.00E-12	NA
CL356525	RP44_411B11	SP6	9	77659316	77659723	77.66	4.00E-65	NA
CL334216	RP44_251I5	SP6	9	77721072	77721480	77.72	1.00E-28	LOC352611
CL379334	RP44_426H5	T7	9	77730286	77730387	77.73	5.00E-14	LOC352611
CL328070	RP44_248A19	T7	9	77876264	77876740	77.88	8.00E-30	LOC347125
CL342795	RP44_275L20	T7	9	77892809	77892877	77.89	6.00E-06	LOC347125
CL362234	RP44_375J6	T7	9	77996713	77996766	78.00	1.00E-06	NA
CL341786	RP44_261C6	T7	9	78014227	78014331	78.01	5.00E-13	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL348886	RP44_275K14	SP6	9	78192083	78192374	78.19	4.00E-84	NA
CL341873	RP44_261C6	SP6	9	78243521	78243850	78.24	5.00E-87	NA
CL389752	RP44_287O11	SP6	9	78244009	78244306	78.24	8.00E-42	NA
CL362306	RP44_375J6	SP6	9	78246590	78246775	78.25	2.00E-09	NA
CL328417	RP44_248L1	T7	9	78304438	78304605	78.30	3.00E-26	NA
CL373384	RP44_308J15	T7	9	78325827	78325909	78.33	3.00E-07	NA
CL379081	RP44_426K5	T7	9	78377178	78377606	78.38	1.00E-96	NA
CL389682	RP44_287O11	T7	9	78434920	78435449	78.44	8.00E-36	LOC347129
CL338385	RP44_266O17	T7	9	78484100	78484236	78.48	2.00E-06	LOC347129
CL379787	RP44_428K21	SP6	9	78486296	78486745	78.49	1.00E-10	LOC347129
CL341672	RP44_261K9	T7	9	78502016	78502694	78.50	0	LOC347129
CL413647	RP44_433J6	SP6	9	78621864	78622052	78.62	7.00E-09	NA
CL338468	RP44_266O17	SP6	9	78652503	78653039	78.65	6.00E-71	NA
CL347276	RP44_272G18	T7	9	78755530	78760428	78.76	7.00E-21	NA
CL413569	RP44_433J6	T7	9	78782071	78782621	78.78	4.00E-50	NA
CL339606	RP44_255B22	SP6	9	78853239	78853305	78.85	7.00E-12	NA
CL336749	RP44_263D13	T7	9	79145767	79145873	79.15	1.00E-07	NA
CL363723	RP44_389N23	SP6	9	79151395	79151476	79.15	1.00E-06	NA
CL354514	RP44_407A14	SP6	9	79177372	79177486	79.18	5.00E-34	NA
CL382799	RP44_325I9	SP6	9	79621936	79622043	79.62	4.00E-07	MGC20553
CL374925	RP44_470F10	SP6	9	79624626	79624705	79.62	3.00E-10	MGC20553
CL340971	RP44_258H24	SP6	9	79639443	79639551	79.64	1.00E-07	MGC20553
CL382719	RP44_325I9	T7	9	79695354	79695777	79.70	8.00E-24	MGC20553
CL366576	RP44_362M12	SP6	9	79811496	79811538	79.81	2.00E-09	LOC169505
CL366498	RP44_362M12	T7	9	79958903	79958991	79.96	6.00E-07	GKAP42
CL358749	RP44_415A4	T7	9	79989081	81973867	80.98	5.00E-06	NA
CL355572	RP44_409L8	SP6	9	80236458	80236516	80.24	4.00E-07	NA
CL364879	RP44_400A19	T7	9	80263041	80263098	80.26	2.00E-09	NA
CL383391	RP44_326K22	T7	9	80321484	80322023	80.32	e-115	LOC352613
CL383464	RP44_326K22	SP6	9	80462596	80462716	80.46	1.00E-31	SLC28A3
CL341585	RP44_260J22	SP6	9	80646125	80646237	80.65	3.00E-10	LOC347131
CL350106	RP44_310M20	T7	9	80652489	80652533	80.65	7.00E-06	LOC347131
CL354168	RP44_405H22	T7	9	80940422	80940469	80.94	3.00E-10	NTRK2
CL323480	RP44_458G6	SP6	9	81172371	81172549	81.17	7.00E-24	NTRK2
CL325943	RP44_242H11	T7	9	81355811	81355956	81.36	9.00E-06	LOC347132
CL349221	RP44_308H10	SP6	9	81802696	81803093	81.80	3.00E-90	AGTPBP1
CL375802	RP44_436P6	SP6	9	82216426	82216473	82.22	9.00E-08	GOLPH2
CL337790	RP44_265I11	SP6	9	82494764	82494877	82.49	8.00E-14	FLJ13409
CL343523	RP44_276H24	SP6	9	82768494	82768749	82.77	e-104	NA
CL334154	RP44_251M5	T7	9	82891930	82892439	82.89	5.00E-83	LOC352615
CL345607	RP44_280O24	SP6	9	83031027	83031094	83.03	4.00E-10	NA
CL363221	RP44_383G24	SP6	9	83207991	83208107	83.21	5.00E-09	NA
CL372395	RP44_305F16	T7	9	83516182	83516316	83.52	3.00E-26	LOC347143
CL354578	RP44_408A1	T7	9	83567486	83567722	83.57	5.00E-21	LOC347143
CL412791	RP44_431N3	T7	9	83575971	83576498	83.58	e-104	NA
CL350068	RP44_310G12	T7	9	83576668	83576759	83.58	2.00E-06	NA
CL333687	RP44_250I8	T7	9	83748408	83748493	83.75	1.00E-06	DAPK1
CL335030	RP44_252J21	T7	9	83807859	83808029	83.81	2.00E-76	DAPK1
CL336863	RP44_263J23	SP6	9	84143853	84143979	84.14	3.00E-38	CCRK
CL363139	RP44_383G14	T7	9	84336670	84336776	84.34	4.00E-26	NA
CL353984	RP44_405C21	SP6	9	84488704	84488768	84.49	1.00E-06	NA
CL351903	RP44_313F1	SP6	9	84648512	84648677	84.65	5.00E-71	SPIN
CL365075	RP44_400B17	T7	9	84980155	84980414	84.98	6.00E-37	NA
CL365088	RP44_400F5	T7	9	84980155	84980414	84.98	4.00E-37	NA
CL371055	RP44_301O13	T7	9	85054344	85054543	85.05	9.00E-19	NA
CL348043	RP44_273B2	SP6	9	85152886	85152960	85.15	6.00E-10	LOC352592
CL346535	RP44_270D16	SP6	9	85314426	85314929	85.31	2.00E-33	SHC3
CL386890	RP44_335O9	T7	9	85314435	85314927	85.31	1.00E-31	SHC3
CL366303	RP44_358B4	T7	9	85314435	85314936	85.31	6.00E-40	SHC3
CL373135	RP44_307H23	SP6	9	85339854	85339952	85.34	3.00E-16	SHC3
CL337034	RP44_263N10	SP6	9	85995118	85995291	86.00	2.00E-23	LOC352768
CL325647	RP44_241H20	SP6	9	86607551	86607863	86.61	7.00E-49	LOC340515
CL358339	RP44_414P3	T7	9	86697391	86697425	86.70	2.00E-07	DIRAS2
CL338425	RP44_266G7	SP6	9	86836208	86836268	86.84	2.00E-08	NA
CL410900	RP44_420K13	T7	9	87163138	87163198	87.16	2.00E-08	NA

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CL369263	RP44_290A24	SP6	9	87457621	87458134	87.46	5.00E-56	NA
CL366203	RP44_358J21	T7	9	87692264	87692667	87.69	4.00E-10	ROR2
CL386020	RP44_332F20	T7	9	87948072	87948347	87.95	4.00E-25	ROR2
CL372623	RP44_306B3	SP6	9	88242257	88242336	88.24	6.00E-08	LOC138652
CL386416	RP44_333L10	SP6	9	88242257	88242383	88.24	2.00E-09	LOC138652
CL357668	RP44_413D11	T7	9	88242257	88242383	88.24	1.00E-09	LOC138652
CL333611	RP44_250G3	SP6	9	88318025	88318153	88.32	2.00E-20	IARS
CL373141	RP44_307J19	SP6	9	88339269	88339378	88.34	7.00E-24	IARS
CL355054	RP44_409K7	T7	9	88358984	88359032	88.36	4.00E-06	FLJ20736
CL328875	RP44_373L22	T7	9	88515948	88516048	88.52	1.00E-10	NA
CL373055	RP44_307J19	T7	9	88534237	88536321	88.54	8.00E-30	ASPN
CL325092	RP44_479I3	SP6	9	88597202	88597537	88.60	2.00E-60	ECM2
CL361968	RP44_353K17	SP6	9	89759078	89759274	89.76	4.00E-47	NA
CL323010	RP44_455D6	T7	9	90818105	90818164	90.82	8.00E-08	FLJ14675
CL334427	RP44_251F3	T7	9	91060695	91061732	91.06	4.00E-10	FLJ14675
CL371532	RP44_302H10	SP6	9	91060695	91061734	91.06	2.00E-11	FLJ14675
CL389048	RP44_286K19	T7	9	91367371	91367855	91.37	e-153	FANCC
CL330368	CH242_3J10	T7	9	91790090	91791478	91.79	3.00E-47	LOC352729
CL330446	CH242_3J10	SP6	9	91989923	91989972	91.99	1.00E-06	LOC347256
CL327567	RP44_246E5	SP6	9	92027161	92027325	92.03	2.00E-27	LOC286353
CL322686	RP44_416I18	SP6	9	92135387	92135579	92.14	1.00E-77	LOC56959
CL327494	RP44_246E5	T7	9	92191695	92192123	92.19	1.00E-95	LOC56959
CL333492	RP44_249J22	SP6	9	92303265	92303697	92.30	1.00E-78	NA
CL331184	CH242_7C6	T7	9	92416548	92416584	92.42	6.00E-06	NA
CL324366	RP44_474B6	SP6	9	93562735	93562779	93.56	5.00E-06	NA
CL409779	RP44_417N6	SP6	9	93700821	93701039	93.70	3.00E-07	PCTAIRE2BP
CL325910	RP44_242M20	SP6	9	93700832	93701039	93.70	1.00E-12	PCTAIRE2BP
CL324365	RP44_474B6	T7	9	93754092	93754623	93.75	7.00E-09	TMOD1
CL409062	RP44_416J17	T7	9	93859783	93859822	93.86	9.00E-06	NCBP1
CL323565	RP44_458O14	SP6	9	94148433	94148840	94.15	1.00E-16	HEMGN
CL357636	RP44_413M8	SP6	9	94675093	94675149	94.68	2.00E-08	GPR51
CL382901	RP44_325O2	T7	9	94711284	94711398	94.71	2.00E-09	GPR51
CL358099	RP44_414K15	SP6	9	94779262	94779332	94.78	9.00E-17	GPR51
CL382977	RP44_325O2	SP6	9	94854765	94855005	94.85	8.00E-73	GPR51
CL358742	RP44_415O11	SP6	9	95023654	95023750	95.02	3.00E-13	NA
CL375216	RP44_471M14	T7	9	95086229	95086303	95.09	7.00E-12	NA
CL328687	RP44_370H22	T7	9	95108577	95108743	95.11	1.00E-15	LOC352733
CL364448	RP44_396P19	T7	9	95108603	95108660	95.11	2.00E-11	LOC352733
CL336691	RP44_263G22	SP6	9	95184746	95185031	95.18	2.00E-64	COL15A1
CL351453	RP44_312N14	SP6	9	95280967	95281172	95.28	5.00E-12	COL15A1
CL342085	RP44_261B20	T7	9	95288463	95288491	95.29	5.00E-06	COL15A1
CL333473	RP44_249F24	SP6	9	95314730	95314955	95.31	3.00E-11	NA
CL384789	RP44_329D7	SP6	9	95316165	95316265	95.32	5.00E-23	NA
CL336748	RP44_263D11	T7	9	95366955	95367142	95.37	1.00E-10	TGFB1
CL336613	RP44_263G22	T7	9	95366955	95367142	95.37	1.00E-10	TGFB1
CL384713	RP44_329D7	T7	9	95480890	95481233	95.48	2.00E-06	NA
CL386394	RP44_333H6	SP6	9	95572454	95572520	95.57	1.00E-16	LOC347266
CL342568	RP44_262D1	T7	9	95746162	95746453	95.75	3.00E-60	LOC347268
CL387934	RP44_284A5	T7	9	95836520	95836572	95.84	9.00E-11	LOC347269
CL342654	RP44_262D1	SP6	9	95962156	95962316	95.96	1.00E-34	LOC352735
CL374422	RP44_470E17	SP6	9	96026635	96026749	96.03	2.00E-09	NA
CL370073	RP44_293K20	SP6	9	96064370	96064562	96.06	3.00E-71	NR4A3
CL359780	RP44_338C11	T7	9	96190119	96190160	96.19	7.00E-07	NA
CL336271	RP44_255J17	SP6	9	96194234	96194842	96.19	8.00E-21	NA
CL335284	RP44_253A2	T7	9	96247203	96247595	96.25	2.00E-54	TXNDC4
CL388688	RP44_285M13	SP6	9	96285940	96286242	96.29	2.00E-06	TXNDC4
CL383229	RP44_325N16	T7	9	96336692	96336747	96.34	1.00E-07	INVS
CL361344	RP44_350E7	SP6	9	96694490	96694781	96.69	2.00E-20	TMEFF1
CL361269	RP44_350E7	T7	9	96694490	96694781	96.69	2.00E-20	TMEFF1
CL355116	RP44_409I19	SP6	9	96711236	96711298	96.71	4.00E-12	TMEFF1
CL341510	RP44_260L12	T7	9	96806706	96806789	96.81	3.00E-07	NA
CL351755	RP44_313G14	SP6	9	96814825	96814922	96.81	6.00E-06	LOC352737
CL328230	RP44_248E4	T7	9	96814825	96814922	96.81	6.00E-06	LOC352737
CL341592	RP44_260L12	SP6	9	97064717	97064807	97.06	3.00E-17	LOC352738
CL349396	RP44_309K19	SP6	9	97070252	97070310	97.07	2.00E-07	LOC352738

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CL337725	RP44_265K23	T7	9	97186502	97186564	97.19	2.00E-09	LOC340509
CL367636	RP44_372E9	T7	9	97191836	97192322	97.19	8.00E-85	LOC340509
CL367698	RP44_372E9	SP6	9	97405106	97405470	97.41	1.00E-61	FLJ20300
CL380888	RP44_314D15	T7	9	97755130	97755594	97.76	1.00E-49	RNF20
CL370312	RP44_295E9	SP6	9	97883437	97883549	97.88	2.00E-25	GRIN3A
CL340327	RP44_257K14	T7	9	97887679	97887723	97.89	5.00E-06	GRIN3A
CL357111	RP44_412D7	SP6	9	97927862	97928030	97.93	7.00E-11	GRIN3A
CL353519	RP44_403C10	T7	9	97937262	97937428	97.94	2.00E-20	GRIN3A
CL347931	RP44_273I4	SP6	9	98151596	98152032	98.15	1.00E-55	NA
CL408614	RP44_415N15	SP6	9	98399445	98399842	98.40	e-124	NA
CL370769	RP44_300E7	SP6	9	98448044	98448497	98.45	5.00E-53	NA
CL334522	RP44_251J7	SP6	9	98946081	98946393	98.95	5.00E-40	NA
CL334262	RP44_251C6	T7	9	100213114	100213242	100.21	1.00E-13	LOC352739
CL342322	RP44_262A23	SP6	9	100489903	100490125	100.49	2.00E-39	NA
CL412727	RP44_431O20	SP6	9	100970703	100986971	100.98	2.00E-61	FLJ11275
CL322563	RP44_405L11	SP6	9	100999144	100999186	101.00	3.00E-07	NA
CL390272	RP44_288G12	T7	9	100999144	100999186	101.00	4.00E-07	NA
CL380443	RP44_429G5	SP6	9	101012897	101013102	101.01	3.00E-54	ABCA1
CL375272	RP44_471G20	SP6	9	101024359	101024528	101.02	6.00E-40	ABCA1
CL350881	RP44_311N7	T7	9	101056046	101056261	101.06	2.00E-54	ABCA1
CL330328	CH242_3B24	T7	9	101108637	101108963	101.11	8.00E-67	ABCA1
CL349349	RP44_309A19	SP6	9	101113260	101113296	101.11	7.00E-06	ABCA1
CL380356	RP44_429G5	T7	9	101213370	101213625	101.21	1.00E-16	LOC347283
CL348972	RP44_275L17	T7	9	101256366	101256417	101.26	1.00E-07	LOC347283
CL350965	RP44_311N7	SP6	9	101263971	101264133	101.26	3.00E-16	LOC347283
CL390082	RP44_288C7	T7	9	101447144	101447192	101.45	6.00E-06	NA
CL332401	CH242_10D3	SP6	9	101552277	101552549	101.55	2.00E-11	CDW92
CL366455	RP44_362C8	T7	9	101558573	101558666	101.56	1.00E-06	CDW92
CL375292	RP44_471K18	SP6	9	101617831	101618280	101.62	1.00E-13	CDW92
CL409505	RP44_417K12	SP6	9	101657888	101658248	101.66	7.00E-79	CDW92
CL389824	RP44_287M12	T7	9	101702124	101702340	101.70	9.00E-17	NA
CL374707	RP44_470J23	T7	9	101728347	101728533	101.73	3.00E-57	NA
CL374847	RP44_470F6	T7	9	101728347	101728535	101.73	2.00E-58	NA
CL389307	RP44_286B9	T7	9	101803623	101803694	101.80	8.00E-11	FCMD
CL343898	RP44_277F15	T7	9	102187693	102188056	102.19	2.00E-21	NA
CL344888	RP44_279O14	T7	9	102193954	102194084	102.19	2.00E-21	NA
CL340895	RP44_258H10	T7	9	102253793	102253990	102.25	2.00E-23	NA
CL336335	RP44_263M3	T7	9	102255773	102256327	102.26	1.00E-81	NA
CL340273	RP44_257O13	SP6	9	102255794	102256327	102.26	1.00E-81	NA
CL340215	RP44_257C23	SP6	9	102255829	102256327	102.26	1.00E-81	NA
CL362451	RP44_377E24	SP6	9	102277604	102278084	102.28	2.00E-09	NA
CL369089	RP44_290A19	SP6	9	102500537	102500573	102.50	4.00E-06	NA
CL383942	RP44_327F12	T7	9	102629370	102629427	102.63	7.00E-14	NA
CL339413	RP44_268N16	T7	9	102669295	102669424	102.67	5.00E-16	NA
CL339485	RP44_268N16	SP6	9	102841983	102842116	102.84	3.00E-16	LOC286369
CL357168	RP44_412N19	SP6	9	102938663	102938712	102.94	1.00E-06	NA
CL389264	RP44_286G16	SP6	9	103734847	103735377	103.74	2.00E-37	NA
CL335367	RP44_253C14	SP6	9	103864639	103864960	103.86	3.00E-19	LOC347287
CL335297	RP44_253C14	T7	9	104112616	104112704	104.11	3.00E-06	LOC352745
CL328836	RP44_373H20	SP6	9	104127714	104127870	104.13	7.00E-06	LOC352745
CL341182	RP44_260G19	SP6	9	104130326	104130719	104.13	7.00E-39	LOC352745
CL383550	RP44_326B2	SP6	9	104192209	104192322	104.19	3.00E-14	NA
CL362096	RP44_353J3	SP6	9	104209234	104209435	104.21	2.00E-47	NA
CL374456	RP44_470K19	SP6	9	104209270	104209383	104.21	3.00E-27	NA
CL322211	RP44_404M19	SP6	9	104277876	104278226	104.28	2.00E-17	LOC352747
CL325495	RP44_241F23	SP6	9	104379795	104380043	104.38	6.00E-06	LOC352748
CL322210	RP44_404M19	T7	9	104463211	104463288	104.46	5.00E-07	LOC347290
CL382236	RP44_323H6	T7	9	104975932	104976085	104.98	2.00E-35	NA
CL382316	RP44_323H6	SP6	9	105101466	105101677	105.10	1.00E-18	IKBKAP
CL345372	RP44_280O13	T7	9	105175886	105176055	105.18	1.00E-10	CTNNAL1
CL351736	RP44_313C14	SP6	9	105233023	105233183	105.23	8.00E-42	CTNNAL1
CL323709	RP44_458N4	T7	9	105720175	105721008	105.72	6.00E-06	NA
CL350990	RP44_311B20	T7	9	106044275	106044362	106.04	3.00E-10	PALM2
CL376001	RP44_441N2	T7	9	106149211	106149267	106.15	3.00E-06	PALM2
CL351069	RP44_311B20	SP6	9	106239776	106240000	106.24	2.00E-09	PALM2

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CL412503	RP44_431E21	SP6	9	106356404	106356972	106.36	e-127	PALM2
CL372767	RP44_306L22	T7	9	106356526	106356798	106.36	3.00E-92	PALM2
CL384250	RP44_328H10	T7	9	106446418	106446465	106.45	9.00E-08	NA
CL325275	RP44_241C19	T7	9	106541097	106541403	106.54	9.00E-14	LOC255220
CL331512	CH242_817	T7	9	106561040	106561198	106.56	8.00E-14	NA
CL384995	RP44_330E5	T7	9	106678149	106678826	106.68	1.00E-22	POLYDOM
CL384982	RP44_330A7	T7	9	106678537	106678622	106.68	5.00E-14	POLYDOM
CL354453	RP44_407C4	T7	9	106876324	106876426	106.88	1.00E-09	NA
CL363296	RP44_383J9	T7	9	107048092	107048230	107.05	7.00E-30	NA
CL321756	CH242_13H23	T7	9	107094222	107094543	107.09	3.00E-10	EDG2
CL324422	RP44_474H16	SP6	9	107094577	107094851	107.09	6.00E-14	EDG2
CL347991	RP44_273F18	T7	9	107107202	107107382	107.11	2.00E-08	EDG2
CL340661	RP44_257H12	SP6	9	107399806	107399846	107.40	5.00E-06	LOC347297
CL352074	RP44_313F8	SP6	9	107400038	107400197	107.40	1.00E-07	LOC347297
CL367584	RP44_367J23	SP6	9	107453211	107453379	107.45	5.00E-56	LOC347297
CL376289	RP44_444A17	T7	9	107478209	107478370	107.48	2.00E-19	NA
CL351989	RP44_313F8	T7	9	107586242	107586365	107.59	5.00E-41	KIAA0368
CL370206	RP44_294L3	SP6	9	107657546	107657618	107.66	5.00E-06	NA
CL321888	CH242_15O19	T7	9	108258591	108258668	108.26	4.00E-16	NA
CL332912	CH242_12F16	T7	9	108322485	108322601	108.32	4.00E-10	DKFZP761E1824
CL369936	RP44_292F10	SP6	9	108750678	108750736	108.75	1.00E-12	KIAA1958
CL353253	RP44_402B7	T7	9	108750686	108750736	108.75	3.00E-10	KIAA1958
CL356420	RP44_411G18	SP6	9	108761830	108762098	108.76	1.00E-52	KIAA1958
CL389528	RP44_286P10	T7	9	108843133	108843217	108.84	3.00E-13	KIAA1958
CL334045	RP44_250H8	SP6	9	108843659	108843768	108.84	2.00E-18	KIAA1958
CL369138	RP44_290K23	SP6	9	109024430	109024711	109.02	2.00E-70	LOC169831
CL327280	RP44_245E4	SP6	9	109263380	109263428	109.26	5.00E-06	ZFP37
CL375776	RP44_436J22	SP6	9	109412643	109412688	109.41	1.00E-06	KIAA0674
CL343992	RP44_277L13	SP6	9	109419107	109419229	109.42	2.00E-12	KIAA0674
CL338057	RP44_265N17	T7	9	109642391	109642858	109.64	2.00E-14	MGC17358
CL338138	RP44_265N17	SP6	9	109815438	109815474	109.82	1.00E-10	NA
CL388168	RP44_284E4	SP6	9	109882288	109882468	109.88	5.00E-80	LOC347301
CL332295	CH242_10M20	SP6	9	110076603	110076923	110.08	2.00E-55	NA
CL352780	RP44_401J16	T7	9	110288883	110288984	110.29	2.00E-11	AMBP
CL365698	RP44_355J5	T7	9	110354690	110354930	110.35	1.00E-56	NA
CL359270	RP44_336F17	T7	9	110441934	110442084	110.44	2.00E-08	KIAA1870
CL337689	RP44_265E5	T7	9	110590030	110590105	110.59	3.00E-22	AKNA
CL351564	RP44_313C1	SP6	9	110592405	110592841	110.59	4.00E-87	AKNA
CL359346	RP44_336F17	SP6	9	110651255	110651541	110.65	7.00E-24	DKFZP434N014
CL366135	RP44_358K14	SP6	9	111259022	111259410	111.26	1.00E-41	TNC
CL346427	RP44_270P1	SP6	9	111278835	111279165	111.28	2.00E-88	TNC
CL328936	RP44_382D5	T7	9	111522176	111522257	111.52	4.00E-09	1-Dec
CL412169	RP44_430B21	T7	9	111566740	111567084	111.57	7.00E-63	1-Dec
CL389850	RP44_287C4	SP6	9	111888838	111889261	111.89	e-146	NA
CL332895	CH242_12B20	T7	9	111910031	111910191	111.91	1.00E-16	NA
CL380833	RP44_314I6	SP6	9	111932302	111932424	111.93	7.00E-24	LOC347310
CL389768	RP44_287C4	T7	9	112086284	112086414	112.09	1.00E-10	LOC347311
CL331396	CH242_7N15	T7	9	112110881	112110914	112.11	1.00E-06	EST-YD1
CL332976	CH242_12B20	SP6	9	112131856	112132334	112.13	3.00E-07	EST-YD1
CL358166	RP44_414K4	T7	9	112320706	112320818	112.32	3.00E-11	NA
CL359928	RP44_338B7	T7	9	112331996	112332226	112.33	6.00E-15	NA
CL372492	RP44_305H20	SP6	9	112920629	112920782	112.92	3.00E-14	ASTN2
CL358646	RP44_415M9	T7	9	112965283	112965331	112.97	5.00E-06	ASTN2
CL388671	RP44_285I17	SP6	9	112966125	112966431	112.97	8.00E-27	ASTN2
CL388823	RP44_285I18	SP6	9	112966297	112966331	112.97	3.00E-07	ASTN2
CL366684	RP44_362F3	SP6	9	113665362	113665504	113.67	3.00E-14	LOC347162
CL337920	RP44_265C6	SP6	9	113936253	116045321	114.99	e-167	NA
CL339256	RP44_268P7	T7	9	114492716	114492941	114.49	5.00E-14	NA
CL331499	CH242_8G3	T7	9	114541943	114542042	114.54	2.00E-15	NA
CL382621	RP44_324D9	SP6	9	114671849	114672038	114.67	3.00E-29	NA
CL375013	RP44_471G13	T7	9	114781675	114781722	114.78	5.00E-06	LOC352758
CL369042	RP44_290I5	T7	9	114851383	114851633	114.85	2.00E-67	NA
CL365102	RP44_400H11	T7	9	115161719	115162241	115.16	e-145	LOC352759
CL379091	RP44_426M1	T7	9	115293930	115294111	115.29	5.00E-16	NA
CL340763	RP44_258L15	T7	9	115356036	115356785	115.36	2.00E-11	NA

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CL343330	RP44_276B23	SP6	9	115628542	115628659	115.63	5.00E-28	NA
CL334448	RP44_251J9	T7	9	115709938	115710318	115.71	2.00E-24	NA
CL375341	RP44_471F15	T7	9	115770403	115770696	115.77	2.00E-48	NA
CL409950	RP44_418C10	T7	9	115872560	115872802	115.87	e-120	LOC352760
CL327545	RP44_246O17	T7	9	115885807	115885903	115.89	1.00E-16	LOC352760
CL338118	RP44_265J23	SP6	9	115952419	115952992	115.95	7.00E-46	NA
CL413517	RP44_433M8	SP6	9	116065515	116065728	116.07	8.00E-30	NA
CL338037	RP44_265J23	T7	9	116153798	116154266	116.15	1.00E-10	NA
CL413429	RP44_433M8	T7	9	116278570	116279010	116.28	4.00E-41	NA
CL323551	RP44_458M22	SP6	9	116838407	116838725	116.84	6.00E-74	EGFL5
CL372905	RP44_307G24	T7	9	116907419	116907633	116.91	8.00E-20	EGFL5
CL414269	RP44_436G14	SP6	9	117148818	117148873	117.15	8.00E-08	NA
CL369934	RP44_292F2	SP6	9	117168297	117168818	117.17	1.00E-53	C5
CL373194	RP44_308C18	T7	9	117246938	117247195	117.25	2.00E-09	C5
CL346295	RP44_270D17	T7	9	117266943	117267033	117.27	1.00E-14	NA
CL370918	RP44_300D5	SP6	9	117358302	117358378	117.36	6.00E-06	NA
CL339337	RP44_268P5	SP6	9	117404100	117404163	117.40	8.00E-15	RAB14
CL362112	RP44_353N1	SP6	9	117404100	117404163	117.40	5.00E-15	RAB14
CL382094	RP44_323I24	SP6	9	117410618	117410799	117.41	4.00E-29	RAB14
CL336900	RP44_263B24	T7	9	117478684	117478739	117.48	7.00E-15	NA
CL383761	RP44_327A10	T7	9	117555893	117556160	117.56	3.00E-38	STOM
CL362043	RP44_353N1	T7	9	117575360	117577083	117.58	4.00E-13	STOM
CL370835	RP44_300D5	T7	9	117575365	117577083	117.58	4.00E-13	STOM
CL387093	RP44_280F20	SP6	9	117865270	117865308	117.87	5.00E-07	DAB2IP
CL388916	RP44_285P4	T7	9	117949670	117949730	117.95	2.00E-08	DAB2IP
CL333501	RP44_249L18	SP6	9	118030513	118030550	118.03	1.00E-06	NA
CL334230	RP44_251K13	SP6	9	118046427	118046544	118.05	1.00E-21	NA
CL369114	RP44_290G7	SP6	9	118231220	118231479	118.23	1.00E-21	LOC158135
CL413908	RP44_435E20	SP6	9	118693282	118735682	118.71	2.00E-14	OR1J4
CL349772	RP44_309J24	T7	9	118717843	118721016	118.72	8.00E-08	LOC347168
CL334446	RP44_251J5	T7	9	118743640	118743673	118.74	5.00E-09	NA
CL378866	RP44_425M13	SP6	9	118892252	118892306	118.89	3.00E-07	NA
CL376692	RP44_445M21	SP6	9	118911136	118911204	118.91	2.00E-08	LOC254973
CL327685	RP44_246O6	T7	9	119001044	119001080	119.00	6.00E-06	NA
CL354281	RP44_406K23	T7	9	119213091	119213357	119.21	3.00E-50	GAPCENA
CL330291	CH242_3L5	SP6	9	119281644	119281762	119.28	1.00E-07	GAPCENA
CL382121	RP44_323O16	SP6	9	119337931	119338598	119.34	e-146	LOC347086
CL350231	RP44_310H11	T7	9	119348791	119349168	119.35	1.00E-62	STRBP
CL330206	CH242_3L5	T7	9	119478258	119478664	119.48	1.00E-99	STRBP
CL382037	RP44_323O16	T7	9	119523123	119523348	119.52	3.00E-20	NA
CL408423	RP44_415G10	SP6	9	119660832	119660888	119.66	2.00E-08	KIAA1608
CL323140	RP44_457F19	SP6	9	119840615	119840678	119.84	6.00E-08	KIAA1608
CL336482	RP44_263O17	T7	9	119852940	119853150	119.85	1.00E-13	KIAA1608
CL377513	RP44_449N18	SP6	9	119952904	119953525	119.95	9.00E-11	KIAA1608
CL331930	CH242_9M1	SP6	9	119974483	119976516	119.98	1.00E-31	KIAA1608
CL336569	RP44_263O17	SP6	9	120014748	120015102	120.01	3.00E-08	KIAA1608
CL375453	RP44_471L17	SP6	9	120030311	120030795	120.03	e-173	KIAA1608
CL361937	RP44_353C17	SP6	9	120030362	120030795	120.03	e-167	KIAA1608
CL410784	RP44_419B20	SP6	9	120082841	120083179	120.08	5.00E-40	KIAA1608
CL364692	RP44_398L11	T7	9	120198380	120198543	120.20	1.00E-50	LOC347087
CL381955	RP44_323O17	SP6	9	120211880	120212318	120.21	e-178	LOC347087
CL371497	RP44_302P12	T7	9	120418524	120418576	120.42	4.00E-07	NA
CL371573	RP44_302P12	SP6	9	120593349	120594010	120.59	e-146	PSMB7
CL360219	RP44_338P8	T7	9	120659131	120659190	120.66	3.00E-08	LOC347088
CL388234	RP44_284B23	T7	9	121217364	121217592	121.22	8.00E-38	FLJ36664
CL340118	RP44_256P16	SP6	9	121477713	121477766	121.48	6.00E-09	NA
CL362600	RP44_380E9	SP6	9	121518087	121518555	121.52	0	DKFZP434C212
CL379394	RP44_426D3	SP6	9	121570928	121570983	121.57	4.00E-08	DKFZP434C212
CL355129	RP44_409M13	SP6	9	121692248	121692285	121.69	1.00E-06	MAPKAP1
CL348261	RP44_274O9	SP6	9	121737254	121737490	121.74	2.00E-76	MAPKAP1
CL355062	RP44_409M13	T7	9	121871509	121871860	121.87	6.00E-79	MAPKAP1
CL328301	RP44_248A24	SP6	9	121978437	121978972	121.98	0	PBX3
CL366261	RP44_358H21	SP6	9	122037757	122038262	122.04	2.00E-73	PBX3
CL348916	RP44_275B3	T7	9	122057651	122058333	122.06	e-142	PBX3
CL328218	RP44_248A24	T7	9	122130694	122131028	122.13	e-133	PBX3

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CL366193	RP44_358H21	T7	9	122130888	122131028	122.13	5.00E-45	PBX3
CL335804	RP44_254G19	SP6	9	122523573	122523657	122.52	3.00E-20	LOC352764
CL383906	RP44_327M18	SP6	9	122735870	122736044	122.74	1.00E-13	LOC347089
CL345630	RP44_280D23	T7	9	122820746	122820957	122.82	2.00E-70	LOC352765
CL351041	RP44_311N2	T7	9	122947025	122947104	122.95	3.00E-10	NA
CL350136	RP44_310E4	SP6	9	123196041	123196177	123.20	8.00E-17	RALGPS1A
CL367718	RP44_372K5	SP6	9	123251429	123251561	123.25	4.00E-12	RALGPS1A
CL342920	RP44_276E1	T7	9	123275701	123275750	123.28	1.00E-06	RALGPS1A
CL355791	RP44_410O14	T7	9	123322711	123322784	123.32	3.00E-16	ANGPTL2
CL355778	RP44_410M12	T7	9	123322711	123322841	123.32	1.00E-28	ANGPTL2
CL411598	RP44_422G22	SP6	9	123548022	123548079	123.55	4.00E-09	DKFZp761J1523
CL413340	RP44_432N8	SP6	9	123641239	123641364	123.64	1.00E-06	ZNF79
CL330250	CH242_3D11	SP6	9	123741908	123741958	123.74	1.00E-09	DKFZP434H0820
CL364497	RP44_396L19	SP6	9	123749752	123749809	123.75	5.00E-07	DKFZP434H0820
CL413263	RP44_432N8	T7	9	123824502	123824556	123.82	1.00E-09	NA
CL367964	RP44_374J11	SP6	9	123981794	123982047	123.98	3.00E-69	SH2D3C
CL335065	RP44_252B7	SP6	9	124066479	124066786	124.07	5.00E-06	ENG
CL350941	RP44_311L7	SP6	9	124175873	124175920	124.18	5.00E-06	NA
CL369995	RP44_293C14	T7	9	124319197	124319245	124.32	4.00E-06	PCSCCL
CL324593	RP44_476A10	SP6	9	124624093	124624184	124.62	5.00E-06	NA
CL364324	RP44_396C12	SP6	9	125264354	125264493	125.26	6.00E-27	FLJ14596
CL375259	RP44_471E12	SP6	9	125264354	125264493	125.26	1.00E-43	FLJ14596
CL320837	CH242_13F23	SP6	9	125315812	125315931	125.32	9.00E-08	CRAT
CL358557	RP44_414J24	SP6	9	125397290	125397345	125.40	8.00E-08	NA
CL354510	RP44_407O22	T7	9	125753805	125753864	125.75	9.00E-08	NA
CL340262	RP44_257M11	SP6	9	126162647	126162885	126.16	2.00E-88	FNBP1
CL388475	RP44_284B4	SP6	9	126594160	126594264	126.59	4.00E-11	NA
CL360884	RP44_343I13	T7	9	126605570	126605720	126.61	3.00E-50	NA
CL365976	RP44_356B24	SP6	9	127053873	127054132	127.05	2.00E-29	ABL1
CL414304	RP44_436M22	SP6	9	127054905	127055024	127.05	2.00E-14	ABL1
CL323885	RP44_463A17	T7	9	127076130	127076191	127.08	1.00E-06	ABL1
CL339634	RP44_255H24	SP6	9	127220646	127220706	127.22	6.00E-14	NA
CL327141	RP44_245C13	SP6	9	127408793	127408959	127.41	1.00E-22	NUP214
CL337235	RP44_264C22	T7	9	127457130	127457398	127.46	e-111	NUP214
CL371766	RP44_304H13	T7	9	128030905	128031030	128.03	4.00E-28	LOC340471
CL379965	RP44_428M8	SP6	9	128119160	128119303	128.12	4.00E-28	CRSP8
CL320515	CH242_10F2	T7	9	128207073	128207102	128.21	1.00E-06	CRSP8
CL348996	RP44_275P21	T7	9	128262150	128262677	128.26	e-160	CRSP8
CL347899	RP44_273A8	SP6	9	128328644	128328955	128.33	7.00E-21	NA
CL339972	RP44_256P15	SP6	9	128349914	128350025	128.35	3.00E-06	NA
CL335438	RP44_253H1	T7	9	128527130	128527225	128.53	5.00E-34	KIAA0625
CL413955	RP44_435B9	T7	9	128542194	128542236	128.54	2.00E-07	KIAA0625
CL354018	RP44_405K11	SP6	9	128743743	128743858	128.74	5.00E-11	LOC347150
CL342126	RP44_261J20	T7	9	128743788	128743858	128.74	6.00E-10	LOC347150
CL323923	RP44_463K19	T7	9	128985318	128985350	128.99	5.00E-06	FLJ32704
CL327166	RP44_245I3	SP6	9	129054430	129054625	129.05	3.00E-66	FLJ32704
CL367867	RP44_372P9	SP6	9	129054493	129054625	129.05	2.00E-20	FLJ32704
CL379952	RP44_428K4	SP6	9	129642240	129642304	129.64	2.00E-08	ADAMTS13
CL379865	RP44_428K4	T7	9	129926367	129926499	129.93	5.00E-34	NA
CL333283	RP44_249G18	T7	9	130744514	130744551	130.74	3.00E-09	NA
CL350387	RP44_310H2	T7	9	131074805	131074882	131.07	3.00E-11	COL5A1
CL331194	CH242_7E2	T7	9	133332020	133332172	133.33	9.00E-08	CLIC3
CL353648	RP44_403B7	T7	10	1165151	1165262	1.17	2.00E-17	KIAA0982
CL332215	CH242_100I2	T7	10	1642162	1642339	1.64	5.00E-37	ADAR3
CL330725	CH242_4H6	T7	10	1834047	1834209	1.83	1.00E-24	NA
CL350532	RP44_311C21	T7	10	1837378	1837540	1.84	1.00E-36	NA
CL379155	RP44_426G21	SP6	10	3644641	3644700	3.64	5.00E-10	LOC340799
CL367524	RP44_367P5	T7	10	3674642	3674920	3.67	1.00E-22	LOC340800
CL378496	RP44_424H7	T7	10	4545438	4545498	4.55	3.00E-08	LOC340807
CL364174	RP44_396E13	SP6	10	5565521	5565557	5.57	4.00E-06	NET1
CL369804	RP44_292E16	T7	10	5565948	5566060	5.57	7.00E-35	NET1
CL339386	RP44_268J4	T7	10	5841189	5841311	5.84	2.00E-31	ASB13
CL374556	RP44_470M20	T7	10	5912743	5913207	5.91	6.00E-31	FLJ20360
CL383372	RP44_326I4	T7	10	6409333	6409399	6.41	1.00E-06	PFKFB3
CL343608	RP44_277I13	T7	10	7059620	7059757	7.06	7.00E-21	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL413798	RP44_435K11	SP6	10	7067534	7067829	7.07	1.00E-56	NA
CL324209	RP44_474C4	SP6	10	7961404	7961553	7.96	1.00E-13	KIN
CL382381	RP44_324C11	T7	10	7961404	7961553	7.96	1.00E-13	KIN
CL348344	RP44_274P5	T7	10	8067236	8067691	8.07	3.00E-23	LOC340821
CL384609	RP44_329M16	T7	10	8067299	8067691	8.07	2.00E-14	LOC340821
CL384589	RP44_329L16	T7	10	8067419	8067691	8.07	3.00E-14	LOC340821
CL324208	RP44_474C4	T7	10	8144357	8144871	8.14	0	NA
CL353065	RP44_402E8	T7	10	8144388	8144871	8.14	0	NA
CL322980	RP44_437O4	SP6	10	8558638	8558710	8.56	2.00E-15	NA
CL356224	RP44_411E5	T7	10	9015016	9015201	9.02	1.00E-06	NA
CL328987	RP44_382H17	T7	10	9022228	9022306	9.02	2.00E-14	NA
CL368904	RP44_289N18	T7	10	9162998	9163379	9.16	3.00E-47	LOC340828
CL328988	RP44_382H17	SP6	10	9204574	9204667	9.20	4.00E-07	NA
CL411038	RP44_420G18	T7	10	9210909	9211179	9.21	6.00E-37	NA
CL346524	RP44_270B18	SP6	10	9341812	9342173	9.34	2.00E-36	NA
CL411108	RP44_420G18	SP6	10	9392800	9393086	9.39	1.00E-41	NA
CL357403	RP44_413O11	T7	10	10242467	10242858	10.24	2.00E-21	NA
CL335544	RP44_253L23	SP6	10	10349663	10349766	10.35	9.00E-16	NA
CL376829	RP44_445H17	SP6	10	10673840	10674202	10.67	1.00E-93	NA
CL412618	RP44_431M6	T7	10	10877501	10877661	10.88	6.00E-37	NA
CL363035	RP44_383A19	SP6	10	11196974	11197102	11.20	3.00E-32	NA
CL362100	RP44_353J15	SP6	10	11738972	11739103	11.74	4.00E-18	RNTRE
CL352231	RP44_314G9	SP6	10	11915637	11915727	11.92	3.00E-07	LOC347781
CL368174	RP44_288J21	SP6	10	11991139	11991219	11.99	6.00E-06	LOC349545
CL329282	RP44_386H6	T7	10	12064546	12064709	12.06	4.00E-24	LOC219731
CL348624	RP44_275I13	T7	10	12148545	12148798	12.15	1.00E-87	UPF2
CL340380	RP44_257G12	SP6	10	12206256	12206394	12.21	1.00E-64	UPF2
CL340398	RP44_257K12	SP6	10	12206256	12206446	12.21	2.00E-82	UPF2
CL339062	RP44_268C14	T7	10	13267035	13267136	13.27	5.00E-21	DKFZP761F241
CL356759	RP44_412I5	T7	10	13877139	13877194	13.88	2.00E-06	FLJ10210
CL356914	RP44_412I6	T7	10	13877139	13877202	13.88	4.00E-18	FLJ10210
CL330575	CH242_4M19	SP6	10	13903978	13904252	13.90	1.00E-24	FLJ10210
CL364077	RP44_396C11	T7	10	14092466	14092768	14.09	7.00E-39	FLJ10210
CL354500	RP44_407M14	T7	10	14217038	14217523	14.22	2.00E-89	FLJ10210
CL354328	RP44_406M11	SP6	10	14240449	14240518	14.24	2.00E-09	FLJ10210
CL364162	RP44_396C11	SP6	10	14292415	14292464	14.29	7.00E-08	FLJ10210
CL346052	RP44_269N17	T7	10	14458602	14459087	14.46	1.00E-25	FLJ10210
CL384822	RP44_329L5	SP6	10	14493929	14493995	14.49	2.00E-09	FLJ10210
CL346212	RP44_270A17	SP6	10	15019677	15020447	15.02	7.00E-15	LOC283071
CL343868	RP44_277M24	SP6	10	15037267	15037767	15.04	7.00E-06	HSP70-4
CL373496	RP44_308B16	T7	10	15111970	15112081	15.11	8.00E-27	DCLRE1C
CL332608	CH242_12G7	SP6	10	15359616	15359772	15.36	3.00E-20	NMT2
CL333085	RP44_248N8	SP6	10	15393106	15393153	15.39	3.00E-10	NA
CL360508	RP44_339N3	T7	10	15404379	15404699	15.40	1.00E-42	LOC221061
CL342519	RP44_262I8	SP6	10	15533475	15533519	15.53	5.00E-06	LOC221061
CL329847	CH242_3G9	T7	10	15578213	15578268	15.58	4.00E-10	NA
CL388081	RP44_284C2	T7	10	15651662	15651743	15.65	5.00E-09	NA
CL332405	CH242_10D11	SP6	10	15740758	15740813	15.74	3.00E-10	ITGA8
CL370957	RP44_300J17	SP6	10	15779984	15780012	15.78	4.00E-06	ITGA8
CL380819	RP44_314E20	SP6	10	15779984	15780012	15.78	6.00E-06	ITGA8
CL388582	RP44_285G15	T7	10	16450690	16451305	16.45	e-146	LOC349552
CL345285	RP44_280A9	T7	10	16823292	16823437	16.82	3.00E-23	RSU1
CL341130	RP44_259M2	SP6	10	17049440	17049566	17.05	9.00E-17	CUBN
CL347938	RP44_273I22	SP6	10	17080717	17080832	17.08	8.00E-27	CUBN
CL320748	CH242_13K5	SP6	10	17231580	17231628	17.23	5.00E-06	CUBN
CL347865	RP44_273I22	T7	10	17260300	17260518	17.26	2.00E-30	CUBN
CL350754	RP44_311C22	SP6	10	17448937	17449024	17.45	4.00E-10	NA
CL350765	RP44_311E22	SP6	10	17448937	17449024	17.45	5.00E-10	NA
CL334672	RP44_251L24	SP6	10	17509856	17510132	17.51	4.00E-13	NA
CL386381	RP44_333D20	SP6	10	17785882	17786082	17.79	5.00E-25	PTPLA
CL375085	RP44_471E11	SP6	10	18590049	18590130	18.59	3.00E-23	CACNB2
CL389574	RP44_286J6	SP6	10	18626777	18627096	18.63	5.00E-71	CACNB2
CL347971	RP44_273B14	T7	10	18875741	18876007	18.88	7.00E-51	CACNB2
CL344717	RP44_279M3	T7	10	18973237	18973366	18.97	3.00E-42	CACNB2
CL363264	RP44_383B11	T7	10	18973237	18973418	18.97	6.00E-64	CACNB2

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL332433	CH242_10J13	SP6	10	19194906	19195320	19.20	3.00E-38	NA
CL351860	RP44_313N1	T7	10	19212767	19212889	19.21	1.00E-28	NA
CL374865	RP44_470H24	T7	10	19465878	19465986	19.47	5.00E-09	NA
CL332351	CH242_10J13	T7	10	19470588	19470769	19.47	2.00E-06	NA
CL374938	RP44_470H24	SP6	10	19622373	19622436	19.62	3.00E-10	LOC340895
CL341801	RP44_261E18	T7	10	19796916	19796967	19.80	4.00E-10	LOC340895
CL332151	CH242_10E2	T7	10	19828351	19828559	19.83	2.00E-42	LOC340895
CL408509	RP44_415J9	T7	10	19850931	19850985	19.85	3.00E-07	LOC340895
CL322734	RP44_416O8	SP6	10	19907403	19907534	19.91	2.00E-24	LOC340895
CL324708	RP44_476O8	T7	10	20438908	20439075	20.44	2.00E-43	TEM7R
CL335091	RP44_252F17	SP6	10	20474197	20474254	20.47	9.00E-07	TEM7R
CL364896	RP44_400G21	T7	10	20843163	20843221	20.84	2.00E-07	NA
CL364296	RP44_396M18	T7	10	21130601	21130839	21.13	1.00E-10	LOC349585
CL412116	RP44_430H21	SP6	10	21289564	21289678	21.29	5.00E-31	NEBL
CL364376	RP44_396M18	SP6	10	21337574	21338189	21.34	4.00E-07	NEBL
CL366561	RP44_362I22	SP6	10	21487316	21487523	21.49	3.00E-42	NEBL
CL321736	CH242_13F3	T7	10	21560030	21560169	21.56	3.00E-32	NEBL
CL337753	RP44_265A19	SP6	10	21838340	21838783	21.84	4.00E-41	NA
CL352876	RP44_401N12	SP6	10	21946869	21947364	21.95	e-149	NA
CL341075	RP44_259O20	T7	10	22248388	22248560	22.25	3.00E-17	DNAJC1
CL370390	RP44_295B13	SP6	10	22345040	22345097	22.35	3.00E-11	DNAJC1
CL341141	RP44_259O20	SP6	10	22441403	22441452	22.44	1.00E-06	DNAJC1
CL340595	RP44_257J8	T7	10	22472441	22472608	22.47	1.00E-10	LOC349587
CL372739	RP44_306H6	T7	10	22525682	22525732	22.53	4.00E-07	LOC349587
CL329155	RP44_382J6	T7	10	22856758	22856804	22.86	7.00E-10	SPAG6
CL329191	RP44_382N6	T7	10	22856758	22856840	22.86	2.00E-14	SPAG6
CL332774	CH242_12G18	SP6	10	22902706	22902868	22.90	2.00E-21	LOC340903
CL384696	RP44_329O20	SP6	10	22905057	22905117	22.91	3.00E-10	LOC340903
CL380820	RP44_314E22	SP6	10	22918302	22918441	22.92	1.00E-19	LOC340903
CL320688	CH242_13E9	T7	10	22992327	22992388	22.99	2.00E-11	PIP5K2A
CL329192	RP44_382N6	SP6	10	23066137	23066202	23.07	3.00E-09	PIP5K2A
CL324446	RP44_474L18	SP6	10	23086936	23087121	23.09	1.00E-06	PIP5K2A
CL332686	CH242_12G18	T7	10	23087624	23087929	23.09	6.00E-15	PIP5K2A
CL352284	RP44_314C4	T7	10	23280448	23280501	23.28	6.00E-09	NA
CL411794	RP44_430I17	T7	10	23520607	23520711	23.52	5.00E-06	NA
CL411865	RP44_430I17	SP6	10	23730271	23730352	23.73	8.00E-14	LOC340905
CL366734	RP44_362P11	SP6	10	23734782	23734822	23.73	6.00E-06	LOC340905
CL412241	RP44_430B24	T7	10	23786292	23786517	23.79	3.00E-69	NA
CL372891	RP44_307E8	T7	10	23970491	23970552	23.97	1.00E-06	NA
CL372959	RP44_307E8	SP6	10	24194040	24194119	24.19	2.00E-10	DKFZP761L0424
CL367508	RP44_367L19	T7	10	24194040	24194119	24.19	5.00E-10	DKFZP761L0424
CL411398	RP44_421P18	T7	10	24194040	24194119	24.19	3.00E-10	DKFZP761L0424
CL330989	CH242_6K17	SP6	10	24253880	24254292	24.25	2.00E-73	DKFZP761L0424
CL337146	RP44_264C7	SP6	10	25347042	25347289	25.35	2.00E-77	HHGP
CL359167	RP44_335P18	T7	10	25676427	25676654	25.68	2.00E-24	KIAA1136
CL387492	RP44_281H13	T7	10	25681711	25682017	25.68	2.00E-09	KIAA1136
CL335853	RP44_254D4	T7	10	25839409	25839894	25.84	1.00E-84	KIAA1136
CL372031	RP44_304J14	SP6	10	25844226	25844325	25.84	9.00E-08	KIAA1136
CL379132	RP44_426C23	SP6	10	25894179	25894543	25.89	1.00E-10	KIAA1136
CL348518	RP44_274D14	SP6	10	26290033	26290158	26.29	2.00E-08	NA
CL387460	RP44_281B11	T7	10	26391863	26391939	26.39	6.00E-06	MYO3A
CL387543	RP44_281B11	SP6	10	26608001	26608481	26.61	1.00E-22	MYO3A
CL364963	RP44_400I24	T7	10	27463565	27463728	27.46	6.00E-15	KIAA1074
CL343902	RP44_277H1	T7	10	27475115	27475190	27.48	2.00E-10	KIAA1074
CL334195	RP44_251E5	SP6	10	27500220	27500274	27.50	3.00E-07	KIAA1074
CL414263	RP44_436E22	SP6	10	27500302	27500390	27.50	4.00E-13	KIAA1074
CL354763	RP44_408O6	T7	10	27539249	27539479	27.54	3.00E-14	KIAA1074
CL378559	RP44_424H15	SP6	10	27606268	27606463	27.61	4.00E-41	FLJ14813
CL411537	RP44_422K18	T7	10	27662319	27663220	27.66	1.00E-56	DKFZp434A2417
CL379194	RP44_426O11	SP6	10	27733883	28395043	28.06	8.00E-67	LOC349589
CL411429	RP44_421H2	SP6	10	27965918	27966119	27.97	1.00E-37	RAB18
CL366689	RP44_362F15	SP6	10	28013290	28013465	28.01	6.00E-06	NA
CL411367	RP44_421H2	T7	10	28162529	28162573	28.16	3.00E-06	MGC39616
CL368925	RP44_289B20	SP6	10	28183041	28183244	28.18	1.00E-40	MGC39616
CL328990	RP44_382H19	SP6	10	28987850	28987904	28.99	4.00E-07	WAC

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL369957	RP44_292J24	SP6	10	29146994	29147095	29.15	5.00E-09	NA
CL324181	RP44_463P22	T7	10	29319239	29319623	29.32	2.00E-26	MGC45541
CL322964	RP44_437K18	SP6	10	29728366	31068793	30.40	7.00E-10	MGC33408
CL353171	RP44_402K20	SP6	10	30900820	30901036	30.90	2.00E-39	MAP3K8
CL356853	RP44_412M9	SP6	10	31333462	31333507	31.33	1.00E-06	LOC220929
CL325221	RP44_479L3	T7	10	31511715	31511921	31.51	7.00E-51	LOC340927
CL371168	RP44_302G24	T7	10	31581134	31581592	31.58	3.00E-91	LOC340927
CL389309	RP44_286B13	T7	10	31662803	31662882	31.66	3.00E-10	NA
CL346529	RP44_270D4	SP6	10	32089334	32089686	32.09	5.00E-40	NA
CL322464	RP44_404P8	T7	10	32238355	32238429	32.24	1.00E-14	NA
CL371050	RP44_301O1	T7	10	32263570	32263726	32.26	1.00E-13	ARHGAP12
CL411874	RP44_430G11	SP6	10	32809120	32809196	32.81	7.00E-18	EPC1
CL374902	RP44_470B4	SP6	10	32813255	32813343	32.81	7.00E-16	EPC1
CL322952	RP44_437I18	T7	10	32817629	32818163	32.82	e-166	EPC1
CL385173	RP44_330M10	T7	10	33082031	33082100	33.08	1.00E-06	FLJ13031
CL342916	RP44_276C11	T7	10	33461594	33461637	33.46	3.00E-10	NA
CL386369	RP44_333B6	SP6	10	33523600	33523997	33.52	4.00E-16	NA
CL349310	RP44_309K1	T7	10	33534390	33534454	33.53	4.00E-06	NA
CL343000	RP44_276C11	SP6	10	33706913	33707223	33.71	6.00E-06	NRP1
CL344660	RP44_279A7	T7	10	33726340	33726598	33.73	9.00E-42	NRP1
CL387764	RP44_282M21	SP6	10	33929448	33929588	33.93	1.00E-07	LOC349596
CL388652	RP44_285E23	SP6	10	33932534	33932888	33.93	2.00E-70	LOC349596
CL344736	RP44_279A7	SP6	10	33934237	33934622	33.93	2.00E-09	LOC349596
CL358491	RP44_414N18	T7	10	33975085	33975353	33.98	2.00E-37	NA
CL358573	RP44_414N18	SP6	10	34234655	34238817	34.24	2.00E-18	NA
CL354272	RP44_406I9	T7	10	34238642	34238806	34.24	6.00E-11	NA
CL360948	RP44_343I3	SP6	10	34353912	34354065	34.35	2.00E-23	NA
CL360880	RP44_343I3	T7	10	34564924	34565265	34.57	e-107	PARD3
CL387886	RP44_283G5	SP6	10	34721853	34721910	34.72	5.00E-06	PARD3
CL355409	RP44_409H9	SP6	10	34749259	34749747	34.75	2.00E-89	PARD3
CL333173	RP44_249O5	T7	10	34749286	34749594	34.75	3.00E-46	PARD3
CL370278	RP44_295M15	T7	10	34749359	34749452	34.75	8.00E-12	PARD3
CL353868	RP44_403J12	SP6	10	34818594	34818946	34.82	e-105	PARD3
CL328624	RP44_370B8	SP6	10	34818594	34818999	34.82	e-123	PARD3
CL352183	RP44_314K23	T7	10	34818594	34819042	34.82	e-139	PARD3
CL372471	RP44_305D18	SP6	10	35021247	35021420	35.02	2.00E-37	PARD3
CL374480	RP44_470O21	SP6	10	35568587	35568860	35.57	1.00E-12	CREM
CL344622	RP44_278J14	SP6	10	35622241	35622406	35.62	6.00E-08	CREM
CL340127	RP44_257A13	T7	10	35635853	35635956	35.64	1.00E-09	CREM
CL344542	RP44_278J14	T7	10	36015404	36015471	36.02	5.00E-15	NA
CL409181	RP44_416F14	SP6	10	36514846	36515040	36.51	1.00E-25	LOC338622
CL386561	RP44_334M22	SP6	10	36622828	36622919	36.62	1.00E-07	NA
CL344515	RP44_278D14	T7	10	36864085	36864461	36.86	1.00E-07	LOC340944
CL361372	RP44_350K5	SP6	10	37464645	37464727	37.46	2.00E-07	NA
CL361296	RP44_350K5	T7	10	37464645	37464727	37.46	3.00E-07	NA
CL330230	CH242_3P15	T7	10	38234925	38333942	38.28	5.00E-21	NA
CL372893	RP44_307E14	T7	10	38674907	38674963	38.67	3.00E-06	LOC340949
CL353008	RP44_402I13	SP6	10	43467612	43467737	43.47	6.00E-52	LOC221002
CL351472	RP44_313A13	T7	10	43489589	43489771	43.49	3.00E-17	LOC221002
CL377793	RP44_457C22	SP6	10	43748611	43748709	43.75	2.00E-09	NA
CL363142	RP44_383G20	T7	10	43752026	43794055	43.77	4.00E-16	NA
CL340548	RP44_257N17	SP6	10	43901895	43901942	43.90	5.00E-06	NA
CL341556	RP44_260D22	SP6	10	44596647	44596995	44.60	1.00E-38	NA
CL341563	RP44_260F22	SP6	10	44596647	44596995	44.60	8.00E-39	NA
CL346527	RP44_270B24	SP6	10	44734363	44734546	44.73	3.00E-60	NA
CL341477	RP44_260D22	T7	10	44859618	44859712	44.86	2.00E-21	LOC340764
CL341483	RP44_260F22	T7	10	44859618	44859712	44.86	2.00E-21	LOC340764
CL411756	RP44_430C1	T7	10	44889621	44889856	44.89	9.00E-73	LOC340764
CL346446	RP44_270B24	T7	10	45031160	45031768	45.03	3.00E-54	NA
CL347422	RP44_272D17	T7	10	45106348	45106454	45.11	2.00E-33	LOC220980
CL411838	RP44_430C1	SP6	10	45106921	45107061	45.11	5.00E-13	LOC220980
CL348491	RP44_274N6	T7	10	45529393	45529737	45.53	3.00E-60	LOC220974
CL374015	RP44_469F23	T7	10	45733123	45733625	45.73	8.00E-26	c-MIR
CL348135	RP44_274E7	T7	10	45741482	45741691	45.74	2.00E-12	c-MIR
CL356208	RP44_411A7	T7	10	45816258	45817482	45.82	1.00E-10	c-MIR

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL339290	RP44_268F9	SP6	10	45824682	45824732	45.82	2.00E-09	c-MIR
CL377108	RP44_449K20	T7	10	47464905	47464957	47.46	2.00E-08	LOC195977
CL390008	RP44_287D14	SP6	10	48320057	48320143	48.32	2.00E-07	RBP3
CL412495	RP44_431C19	SP6	10	48419239	48419409	48.42	1.00E-44	LOC349517
CL412465	RP44_431M19	T7	10	48572639	48573040	48.57	e-135	NA
CL333251	RP44_249O19	SP6	10	49580026	49580155	49.58	6.00E-49	LOC58504
CL347171	RP44_272C11	SP6	10	49908112	49908279	49.91	4.00E-22	KIAA1607
CL349394	RP44_309K15	SP6	10	49948143	49948557	49.95	e-115	KIAA1607
CL380869	RP44_314O22	SP6	10	50362168	50362719	50.36	e-167	NA
CL410448	RP44_419O5	SP6	10	50372898	50373342	50.37	1.00E-65	NA
CL363163	RP44_383M2	T7	10	50488955	50489681	50.49	0	DRG11
CL359234	RP44_335N18	SP6	10	50573355	50573505	50.57	4.00E-50	ERCC6
CL380786	RP44_314O22	T7	10	50583806	50584402	50.58	1.00E-53	ERCC6
CL386480	RP44_334I18	T7	10	51939578	51939710	51.94	1.00E-13	NA
CL364855	RP44_400K13	SP6	10	52042374	52042456	52.04	9.00E-17	NA
CL388406	RP44_284D4	T7	10	52140884	52141204	52.14	3.00E-14	NA
CL410594	RP44_419H15	T7	10	52299872	52299939	52.30	6.00E-15	NA
CL338661	RP44_267E19	T7	10	52597945	52598214	52.60	2.00E-54	NA
CL326929	RP44_244D8	T7	10	52661908	52662375	52.66	2.00E-11	PRKG1
CL324647	RP44_476G8	T7	10	52723200	52723425	52.72	2.00E-11	PRKG1
CL338741	RP44_267E19	SP6	10	52801665	52802210	52.80	3.00E-29	PRKG1
CL363376	RP44_383L17	SP6	10	52850724	52850989	52.85	9.00E-08	PRKG1
CL380393	RP44_429M13	T7	10	52940164	52940879	52.94	8.00E-49	PRKG1
CL368540	RP44_289E20	T7	10	53058041	53058435	53.06	3.00E-29	PRKG1
CL380480	RP44_429M13	SP6	10	53133784	53134273	53.13	4.00E-07	PRKG1
CL359006	RP44_335P17	T7	10	53145875	53146073	53.15	4.00E-07	PRKG1
CL352314	RP44_314I4	T7	10	53171794	53172062	53.17	2.00E-23	PRKG1
CL384037	RP44_327L4	SP6	10	53174009	53174260	53.17	1.00E-29	PRKG1
CL380832	RP44_314I4	SP6	10	53339222	53339408	53.34	3.00E-19	PRKG1
CL383966	RP44_327L4	T7	10	53346300	53346425	53.35	2.00E-29	PRKG1
CL373223	RP44_308I10	T7	10	53386702	53386922	53.39	1.00E-19	PRKG1
CL352711	RP44_401N9	SP6	10	53519998	53520048	53.52	3.00E-07	PRKG1
CL361799	RP44_351F7	SP6	10	53663709	53663781	53.66	3.00E-11	PRKG1
CL349993	RP44_310G17	SP6	10	53774802	53774885	53.77	5.00E-10	PRKG1
CL413103	RP44_432K7	T7	10	53940469	53941175	53.94	e-126	PRKG1
CL349060	RP44_275N7	SP6	10	54062371	54062848	54.06	1.00E-31	NA
CL336637	RP44_263M10	T7	10	54588662	54588821	54.59	9.00E-08	NA
CL327270	RP44_245C2	SP6	10	54761520	54761556	54.76	5.00E-06	LOC340865
CL327207	RP44_245C2	T7	10	55044365	55044413	55.04	5.00E-06	NA
CL440248	RP44_300K15	T7	10	55458357	55458778	55.46	4.00E-34	LOC340866
CL371362	RP44_302P13	T7	10	55462747	55463073	55.46	2.00E-42	LOC340866
CL409845	RP44_418I21	SP6	10	55699186	55705375	55.70	7.00E-15	PCDH15
CL329148	RP44_382H20	SP6	10	55763101	55763520	55.76	4.00E-78	PCDH15
CL347583	RP44_272H6	T7	10	55959701	55959759	55.96	2.00E-06	PCDH15
CL350943	RP44_311L11	SP6	10	56547027	56547215	56.55	1.00E-44	NA
CL359858	RP44_338C7	SP6	10	56547027	56547215	56.55	6.00E-40	NA
CL388021	RP44_284E9	SP6	10	56557426	56557487	56.56	5.00E-09	NA
CL355319	RP44_409F5	T7	10	56905667	56906146	56.91	4.00E-90	NA
CL364676	RP44_398H19	T7	10	56929557	56930181	56.93	7.00E-43	LOC349561
CL334671	RP44_251L22	SP6	10	56929757	56930194	56.93	6.00E-43	LOC349561
CL355220	RP44_409A12	SP6	10	56952284	56952553	56.95	1.00E-16	LOC349561
CL324935	RP44_478H4	SP6	10	57003620	57003764	57.00	1.00E-31	LOC349561
CL364758	RP44_398H19	SP6	10	57104241	57104484	57.10	5.00E-22	NA
CL367365	RP44_367O12	T7	10	57502247	57502331	57.50	7.00E-06	NA
CL413021	RP44_431J20	SP6	10	58019776	58019831	58.02	7.00E-09	NA
CL367353	RP44_367M12	T7	10	58472108	58472169	58.47	2.00E-06	NA
CL329514	RP44_394B9	T7	10	58562202	58562260	58.56	3.00E-07	NA
CL360445	RP44_339M14	SP6	10	59933306	59933761	59.93	3.00E-14	MDS029
CL352038	RP44_313N22	T7	10	59989893	59989939	59.99	2.00E-07	UBE2D1
CL327995	RP44_246D6	SP6	10	60067917	60068084	60.07	2.00E-08	LOC349567
CL358082	RP44_414G17	SP6	10	60313578	60313761	60.31	3.00E-38	NA
CL386966	RP44_335M21	SP6	10	60696411	60696777	60.70	5.00E-16	LOC340870
CL371790	RP44_304L19	T7	10	60733867	60733963	60.73	8.00E-18	LOC340870
CL386885	RP44_335M21	T7	10	60786338	60786685	60.79	5.00E-99	LOC340870
CL370792	RP44_300I19	SP6	10	60828665	60828859	60.83	3.00E-29	KIAA1796

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL411864	RP44_430I15	SP6	10	60891050	60891909	60.89	1.00E-10	KIAA1796
CL440240	RP44_300I19	T7	10	60975172	60975339	60.98	2.00E-21	FAM13C1
CL324291	RP44_474I24	T7	10	61114701	61114820	61.11	1.00E-07	NA
CL326708	RP44_244E9	SP6	10	61613998	61614166	61.61	3.00E-07	NA
CL353268	RP44_402H7	T7	10	61715320	61715420	61.72	1.00E-46	ANK3
CL329178	RP44_382L10	SP6	10	61737251	61737489	61.74	3.00E-65	ANK3
CL363462	RP44_388B1	SP6	10	61740375	61740556	61.74	4.00E-59	ANK3
CL376604	RP44_445I13	T7	10	61764944	61765064	61.77	2.00E-20	ANK3
CL363730	RP44_389P17	SP6	10	61764944	61765078	61.77	2.00E-21	ANK3
CL326637	RP44_244E9	T7	10	61775398	61775566	61.78	1.00E-24	ANK3
CL360536	RP44_339B23	SP6	10	61797153	61797493	61.80	1.00E-09	ANK3
CL352425	RP44_401K23	SP6	10	61973546	79264643	70.62	2.00E-44	KCNMA1
CL327520	RP44_246I17	T7	10	61984291	61984488	61.98	3.00E-13	ANK3
CL333677	RP44_250E22	T7	10	62119524	62119795	62.12	1.00E-09	ANK3
CL375957	RP44_441F23	SP6	10	62272019	62272142	62.27	5.00E-08	NA
CL378702	RP44_424N8	SP6	10	62315113	62315171	62.32	1.00E-09	NA
CL350304	RP44_310H5	SP6	10	62444175	62444534	62.44	1.00E-75	CDC2
CL355884	RP44_410D13	T7	10	62463023	62463220	62.46	2.00E-54	NA
CL376838	RP44_445J15	SP6	10	62526989	62527205	62.53	2.00E-51	RHOBTB1
CL370929	RP44_300F5	SP6	10	62593543	62593954	62.59	3.00E-17	RHOBTB1
CL346143	RP44_270A23	T7	10	62639813	62639870	62.64	1.00E-06	NA
CL439893	RP44_297F22	SP6	10	62679289	62679746	62.68	3.00E-69	NA
CL439737	RP44_297F21	SP6	10	62679346	62679746	62.68	1.00E-65	NA
CL368729	RP44_289L5	T7	10	62697676	62697756	62.70	9.00E-11	NA
CL371965	RP44_304N2	T7	10	62743773	62743923	62.74	9.00E-30	LOC340875
CL350804	RP44_311M20	SP6	10	62824367	62824601	62.82	2.00E-12	LOC340875
CL370257	RP44_295G11	T7	10	62870394	62870465	62.87	9.00E-06	LOC340875
CL350728	RP44_311M20	T7	10	63007714	63008389	63.01	4.00E-72	NA
CL333248	RP44_249O9	SP6	10	63051387	63051431	63.05	5.00E-11	NA
CL379802	RP44_428O5	SP6	10	63081136	63081333	63.08	3.00E-73	LOC219623
CL354498	RP44_407M8	T7	10	63273300	63273903	63.27	e-107	NA
CL362521	RP44_380E1	T7	10	63325972	63326419	63.33	7.00E-09	MGC44593
CL354562	RP44_407M8	SP6	10	63414719	63415248	63.41	4.00E-81	MGC44593
CL362038	RP44_353L7	T7	10	63555406	63555803	63.56	e-138	MRF2
CL329549	RP44_394F5	SP6	10	63715547	63716104	63.72	1.00E-50	MRF2
CL343470	RP44_276N12	T7	10	63716291	63716595	63.72	1.00E-56	MRF2
CL348591	RP44_275C1	T7	10	63716313	63716595	63.72	1.00E-50	MRF2
CL372663	RP44_306H19	SP6	10	63731187	63731254	63.73	2.00E-12	MRF2
CL336679	RP44_263E16	SP6	10	63860812	63860844	63.86	5.00E-06	RTKN2
CL329548	RP44_394F5	T7	10	63869024	63869412	63.87	1.00E-43	RTKN2
CL375236	RP44_471A10	SP6	10	63899871	63900208	63.90	4.00E-74	RTKN2
CL390020	RP44_287F20	SP6	10	63945557	63945867	63.95	7.00E-66	LOC340880
CL320581	CH242_10L6	T7	10	64261167	64261504	64.26	9.00E-11	LOC340881
CL349359	RP44_309E1	SP6	10	64497630	64497834	64.50	3.00E-82	EGR2
CL321549	CH242_13A10	T7	10	64640737	64640848	64.64	6.00E-06	LOC349572
CL369987	RP44_293A10	T7	10	64767209	64767277	64.77	5.00E-18	NA
CL321697	CH242_13M10	SP6	10	64915528	64915652	64.92	4.00E-16	KIAA1380
CL350884	RP44_311N13	T7	10	65058143	65058382	65.06	2.00E-55	KIAA1380
CL350968	RP44_311N13	SP6	10	65240446	65240570	65.24	3.00E-20	LOC221035
CL369104	RP44_290E1	SP6	10	65489007	65489245	65.49	1.00E-06	LOC347795
CL334685	RP44_251P12	SP6	10	65577115	65577184	65.58	5.00E-09	NA
CL331173	CH242_6P23	SP6	10	65595692	65595745	65.60	1.00E-13	NA
CL343791	RP44_277M24	T7	10	65678459	65678963	65.68	1.00E-16	NA
CL382996	RP44_325B17	T7	10	65683468	65683501	65.68	1.00E-06	NA
CL354287	RP44_406O13	T7	10	65785497	65785679	65.79	4.00E-48	LOC340884
CL346558	RP44_270H20	SP6	10	65843654	65844013	65.84	8.00E-08	LOC349574
CL383080	RP44_325B17	SP6	10	65858155	65858421	65.86	4.00E-22	LOC349574
CL344480	RP44_278L21	SP6	10	66005058	66005307	66.01	2.00E-21	LOC349574
CL324068	RP44_463P1	SP6	10	66155432	66155474	66.16	2.00E-07	NA
CL356547	RP44_411F21	SP6	10	66650448	66650532	66.65	7.00E-06	NA
CL322865	RP44_437M17	SP6	10	66850132	66850194	66.85	3.00E-14	NA
CL386619	RP44_334N1	T7	10	66884884	66885026	66.88	4.00E-16	NA
CL332463	CH242_10P9	SP6	10	67007321	67007399	67.01	1.00E-09	LOC340886
CL330627	CH242_4N21	T7	10	67041305	67041657	67.04	5.00E-56	LOC340886
CL332371	CH242_10N9	T7	10	67053217	67053258	67.05	2.00E-06	LOC340886

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL339213	RP44_268F23	T7	10	67548342	67548973	67.55	2.00E-09	LOC340887
CL388098	RP44_284E18	T7	10	67765558	67765939	67.77	3.00E-10	VR22
CL384964	RP44_329N2	SP6	10	67863087	67863282	67.86	2.00E-48	VR22
CL350872	RP44_311L7	T7	10	67923467	67923519	67.92	6.00E-06	VR22
CL332181	CH242_10I14	T7	10	67930869	67930947	67.93	3.00E-07	VR22
CL340893	RP44_258H6	T7	10	68026010	68026410	68.03	2.00E-17	VR22
CL355582	RP44_409N8	SP6	10	68196965	68197218	68.20	1.00E-25	VR22
CL329899	CH242_3A7	SP6	10	68266013	68266377	68.27	6.00E-18	VR22
CL340039	RP44_256P4	T7	10	68325432	68325918	68.33	4.00E-13	VR22
CL329813	CH242_3A7	T7	10	68426884	68427058	68.43	2.00E-24	VR22
CL334246	RP44_251O11	SP6	10	68433005	68433596	68.43	3.00E-14	VR22
CL440131	RP44_299P16	T7	10	68484264	68484715	68.48	1.00E-65	VR22
CL345513	RP44_280K22	T7	10	68610778	68611252	68.61	8.00E-79	VR22
CL364038	RP44_393K14	SP6	10	68684185	68684255	68.68	1.00E-09	VR22
CL349077	RP44_275P19	SP6	10	68707553	68707861	68.71	2.00E-21	VR22
CL330823	CH242_4J22	SP6	10	68780741	68780917	68.78	4.00E-35	VR22
CL382375	RP44_324A21	T7	10	68818222	68818413	68.82	9.00E-27	VR22
CL380761	RP44_314K10	T7	10	68833291	68833423	68.83	7.00E-18	VR22
CL324204	RP44_474A24	T7	10	68856742	68856813	68.86	7.00E-06	VR22
CL382456	RP44_324A21	SP6	10	68936494	68936897	68.94	3.00E-17	VR22
CL346802	RP44_271J17	T7	10	68952733	68952876	68.95	7.00E-30	VR22
CL388159	RP44_284C8	SP6	10	68972445	68972880	68.97	2.00E-24	VR22
CL324205	RP44_474A24	SP6	10	68972802	68972959	68.97	2.00E-30	VR22
CL344732	RP44_279O19	T7	10	69033928	69034408	69.03	5.00E-44	VR22
CL343122	RP44_276I14	T7	10	69082634	69083173	69.08	2.00E-06	VR22
CL355907	RP44_410H13	T7	10	69174682	69175053	69.17	5.00E-46	VR22
CL346882	RP44_271J17	SP6	10	69185637	69185734	69.19	2.00E-06	VR22
CL380911	RP44_314H21	T7	10	69227044	69227308	69.23	4.00E-19	VR22
CL360916	RP44_343O21	T7	10	69228113	69228206	69.23	3.00E-09	VR22
CL336330	RP44_263K17	T7	10	69328536	69328720	69.33	4.00E-19	VR22
CL342565	RP44_262B19	T7	10	69467699	69467950	69.47	2.00E-30	JDP1
CL320710	CH242_13G9	T7	10	69606822	69607100	69.61	2.00E-30	DKFZP564G092
CL349763	RP44_309H22	T7	10	69721518	69721599	69.72	6.00E-06	DKFZP564G092
CL340551	RP44_257P3	SP6	10	69758039	69758442	69.76	e-120	FLJ14437
CL340488	RP44_257P3	T7	10	69762453	69762759	69.76	8.00E-44	FLJ14437
CL343724	RP44_277A10	T7	10	70546075	70546172	70.55	1.00E-25	FLJ25162
CL411157	RP44_420D7	T7	10	70635425	70635475	70.64	6.00E-10	DDX21
CL343803	RP44_277A10	SP6	10	70699379	70699488	70.70	1.00E-07	NA
CL386918	RP44_335E1	SP6	10	71499717	71499892	71.50	9.00E-36	COL13A1
CL337997	RP44_265B13	T7	10	71771222	71771254	71.77	5.00E-06	AMID
CL325355	RP44_241G3	SP6	10	73203105	73203517	73.20	e-164	CDH23
CL386557	RP44_334M14	SP6	10	73339826	73339896	73.34	8.00E-17	CDH23
CL325289	RP44_241G3	T7	10	73347158	73347248	73.35	3.00E-13	CDH23
CL330858	CH242_4P22	SP6	10	73347158	73347640	73.35	4.00E-19	CDH23
CL385788	RP44_332C22	SP6	10	73462558	73462757	73.46	1.00E-40	CDH23
CL329237	RP44_386B16	T7	10	73660541	73660666	73.66	2.00E-24	CHST3
CL369822	RP44_292I16	T7	10	73779056	73779271	73.78	2.00E-20	CGI-18
CL329238	RP44_386B16	SP6	10	73849042	73849178	73.85	4.00E-54	CGI-18
CL366034	RP44_358C8	T7	10	74121706	74121792	74.12	1.00E-13	CBARA1
CL383687	RP44_327O21	T7	10	74142632	74143060	74.14	1.00E-12	CBARA1
CL325070	RP44_479E21	SP6	10	74213391	74213592	74.21	2.00E-06	CBARA1
CL360183	RP44_338F4	T7	10	74355297	74355354	74.36	4.00E-16	LOC90550
CL362813	RP44_380F20	T7	10	74367954	74368134	74.37	4.00E-71	LOC90550
CL386472	RP44_334G12	T7	10	74452054	74452872	74.45	2.00E-09	LOC90550
CL410840	RP44_420A1	T7	10	74488024	74488178	74.49	4.00E-07	LOC90550
CL373013	RP44_307B19	T7	10	74582035	74582214	74.58	5.00E-22	FLJ39116
CL357757	RP44_413F11	SP6	10	74790184	74790332	74.79	6.00E-37	HSGT1
CL369855	RP44_292B16	T7	10	74819614	74819659	74.82	1.00E-06	HSGT1
CL369863	RP44_292D16	T7	10	74819614	74819659	74.82	1.00E-06	HSGT1
CL322768	RP44_437C5	T7	10	74970344	74970483	74.97	4.00E-06	LOC118491
CL371126	RP44_301O17	SP6	10	74987542	74987716	74.99	1.00E-34	LOC118491
CL330062	CH242_3O20	T7	10	75104270	75104341	75.10	8.00E-08	PPP3CB
CL413548	RP44_433D4	T7	10	75122094	75122610	75.12	3.00E-32	PPP3CB
CL413619	RP44_433D4	SP6	10	75299347	75299839	75.30	e-170	FLJ12921
CL330149	CH242_3O20	SP6	10	75396881	75397030	75.40	5.00E-21	SEC24C

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL371535	RP44_302H16	SP6	10	7555534	75555750	75.56	1.00E-22	NA
CL374287	RP44_469L18	SP6	10	75666216	75666255	75.67	1.00E-07	VCL
CL339660	RP44_255N12	SP6	10	75755762	75755928	75.76	3.00E-13	VCL
CL374208	RP44_469L18	T7	10	75834202	75835094	75.83	2.00E-49	ADK
CL340775	RP44_258N17	T7	10	76006219	76006336	76.01	7.00E-12	ADK
CL365706	RP44_355L5	T7	10	76244690	76244904	76.24	2.00E-11	ADK
CL340851	RP44_258N17	SP6	10	76280226	76280556	76.28	4.00E-22	ADK
CL364737	RP44_398D15	SP6	10	76538787	76539093	76.54	3.00E-23	MORF
CL364654	RP44_398D15	T7	10	76711051	76711155	76.71	6.00E-06	LOC338599
CL347078	RP44_272A3	T7	10	76833232	76833334	76.83	4.00E-10	NA
CL408500	RP44_415H15	T7	10	77040949	77041093	77.04	1.00E-09	MGC2555
CL337579	RP44_264N22	T7	10	77104416	77104527	77.10	4.00E-10	LOC340854
CL337585	RP44_264P20	T7	10	77104416	77104527	77.10	4.00E-10	LOC340854
CL327747	RP44_246K10	SP6	10	77126332	77126392	77.13	6.00E-06	NA
CL322036	RP44_399H5	T7	10	77182564	77182898	77.18	5.00E-62	NA
CL327668	RP44_246K10	T7	10	77316241	77316482	77.32	2.00E-33	NA
CL322037	RP44_399H5	SP6	10	77351502	77351631	77.35	1.00E-09	LOC340857
CL322193	RP44_404K17	SP6	10	77417861	77418177	77.42	2.00E-32	NA
CL358233	RP44_414I8	SP6	10	77572084	77572134	77.57	3.00E-07	CDA017
CL413795	RP44_435K3	SP6	10	77575576	77575728	77.58	1.00E-18	CDA017
CL330787	CH242_4D8	SP6	10	78115374	78115817	78.12	1.00E-84	CDA017
CL331025	CH242_6D13	T7	10	78115676	78115735	78.12	8.00E-15	CDA017
CL370082	RP44_293M22	SP6	10	78542108	78542366	78.54	1.00E-51	KCNMA1
CL331337	CH242_7B3	T7	10	78633449	78633578	78.63	1.00E-28	KCNMA1
CL370026	RP44_293M22	T7	10	78721235	78721330	78.72	3.00E-10	KCNMA1
CL413221	RP44_432D14	T7	10	78724856	78725092	78.72	4.00E-94	KCNMA1
CL412677	RP44_431G6	SP6	10	78784675	78784950	78.78	7.00E-08	KCNMA1
CL336099	RP44_255G9	SP6	10	79038244	79038688	79.04	4.00E-07	KCNMA1
CL376296	RP44_444C11	T7	10	79243409	79243462	79.24	1.00E-06	KCNMA1
CL346894	RP44_271L19	SP6	10	79629048	79629652	79.63	7.00E-21	RPC155
CL387283	RP44_281M7	SP6	10	79802318	79802358	79.80	5.00E-06	NA
CL348398	RP44_274J13	SP6	10	79802318	79802433	79.80	4.00E-10	NA
CL343157	RP44_276O20	T7	10	79888233	79888282	79.89	6.00E-06	NA
CL330749	CH242_4L8	T7	10	79890870	79890921	79.89	2.00E-10	NA
CL387210	RP44_281M7	T7	10	79987858	79988241	79.99	5.00E-22	LOC340782
CL320405	CH242_6J18	T7	10	79992082	79992250	79.99	1.00E-18	LOC340782
CL348313	RP44_274J13	T7	10	79993457	79993700	79.99	e-101	LOC340782
CL324501	RP44_475G13	SP6	10	80012251	80012415	80.01	4.00E-43	LOC340782
CL324551	RP44_475H14	SP6	10	80012251	80012415	80.01	3.00E-50	LOC340782
CL359349	RP44_336F23	SP6	10	80023396	80023573	80.02	4.00E-07	LOC340782
CL343241	RP44_276O20	SP6	10	80082339	80082673	80.08	5.00E-22	LOC340782
CL375538	RP44_471N18	T7	10	80349357	80349559	80.35	4.00E-62	NA
CL385497	RP44_330D14	SP6	10	80370820	80371216	80.37	1.00E-28	NA
CL374218	RP44_469N16	T7	10	80379884	80380215	80.38	2.00E-45	NA
CL334191	RP44_251C21	SP6	10	80570242	80570294	80.57	6.00E-09	NA
CL362828	RP44_380J12	T7	10	80576222	80576278	80.58	5.00E-11	NA
CL350963	RP44_311N3	SP6	10	80893534	80893589	80.89	7.00E-08	RAI17
CL352324	RP44_400P4	T7	10	81067056	81067127	81.07	4.00E-10	FLJ90798
CL373408	RP44_308P15	T7	10	81972768	81972924	81.97	1.00E-27	FLJ13263
CL379584	RP44_426H2	SP6	10	82168781	82168925	82.17	7.00E-42	MAT1A
CL342051	RP44_261J9	SP6	10	82754053	82754112	82.75	8.00E-13	LOC340739
CL413561	RP44_433H8	T7	10	82853727	82854158	82.85	5.00E-12	LOC340739
CL347656	RP44_272N4	SP6	10	83174785	83175143	83.17	e-107	LOC219461
CL331521	CH242_8K3	T7	10	83254001	83254074	83.25	5.00E-16	LOC219461
CL321871	CH242_15M7	T7	10	83306489	92411427	87.86	6.00E-06	LOC219461
CL412719	RP44_431O4	SP6	10	83569138	83569177	83.57	1.00E-07	NA
CL374602	RP44_470G4	SP6	10	83776055	83776195	83.78	1.00E-25	NRG3
CL352685	RP44_401H15	SP6	10	83816461	83817040	83.82	2.00E-77	NRG3
CL335254	RP44_253I5	SP6	10	83833332	83833461	83.83	1.00E-25	NRG3
CL333998	RP44_250N2	T7	10	83870796	83870832	83.87	2.00E-08	NRG3
CL337386	RP44_264F3	T7	10	84002451	84002517	84.00	9.00E-08	NRG3
CL380416	RP44_429A15	SP6	10	84107258	84107363	84.11	8.00E-21	NRG3
CL354481	RP44_407I12	T7	10	84201041	84201277	84.20	5.00E-12	NRG3
CL340048	RP44_256P24	T7	10	84333105	84333133	84.33	4.00E-06	NRG3
CL414103	RP44_435N20	SP6	10	84386860	84386949	84.39	1.00E-18	NRG3

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL372871	RP44_307A8	T7	10	84488550	84489015	84.49	1.00E-29	NRG3
CL344511	RP44_278B24	T7	10	84495830	103614949	94.06	2.00E-14	NRG3
CL320321	CH242_6B2	SP6	10	84516329	84516655	84.52	3.00E-29	NRG3
CL351044	RP44_311N8	T7	10	84518017	84518411	84.52	1.00E-77	NRG3
CL340122	RP44_256P24	SP6	10	84522039	84522348	84.52	8.00E-13	NRG3
CL371496	RP44_302P10	T7	10	84529466	84529615	84.53	2.00E-18	NRG3
CL440239	RP44_300I15	T7	10	84779105	84779177	84.78	4.00E-06	NRG3
CL361297	RP44_350K7	T7	10	84809297	84809463	84.81	4.00E-29	NRG3
CL361373	RP44_350K7	SP6	10	84809373	84809463	84.81	8.00E-21	NRG3
CL342019	RP44_261B9	SP6	10	84849904	84850062	84.85	4.00E-50	NRG3
CL382051	RP44_323A24	SP6	10	84849904	84850062	84.85	5.00E-50	NRG3
CL362396	RP44_377K14	T7	10	84865852	84866542	84.87	4.00E-26	NRG3
CL373820	RP44_469O23	SP6	10	85012868	85013399	85.01	2.00E-77	LOC340741
CL362476	RP44_377K14	SP6	10	85012868	85013426	85.01	1.00E-78	LOC340741
CL381348	RP44_315N5	SP6	10	85257868	85258263	85.26	2.00E-33	NA
CL370651	RP44_296K5	T7	10	85702583	85703034	85.70	9.00E-48	NA
CL360288	RP44_339C3	SP6	10	85714493	85714764	85.71	2.00E-37	NA
CL350870	RP44_311L3	T7	10	85841615	85841665	85.84	4.00E-07	NA
CL325600	RP44_241N4	T7	10	85890267	85890337	85.89	3.00E-07	LOC340744
CL412824	RP44_431D7	SP6	10	85958032	85958225	85.96	2.00E-06	LOC340744
CL342970	RP44_276M19	T7	10	86064743	86064896	86.06	7.00E-15	NA
CL333671	RP44_250E10	T7	10	86145286	86145422	86.15	5.00E-25	RGR
CL333742	RP44_250E10	SP6	10	86368145	86368615	86.37	9.00E-24	KIAA1128
CL414195	RP44_436I4	T7	10	87957324	87957842	87.96	1.00E-09	GRID1
CL378349	RP44_424C10	T7	10	88003342	88003749	88.00	e-112	GRID1
CL356131	RP44_410D2	SP6	10	88086449	88086545	88.09	1.00E-15	GRID1
CL358341	RP44_414P11	T7	10	88607514	88607747	88.61	4.00E-46	LDB3
CL375547	RP44_471P14	T7	10	88608079	88608252	88.61	3.00E-38	LDB3
CL338811	RP44_267C22	T7	10	88633345	88633763	88.63	7.00E-12	NA
CL348964	RP44_275J21	T7	10	89470536	89470828	89.47	8.00E-21	NA
CL365784	RP44_356A7	T7	10	89561050	89561126	89.56	3.00E-13	PAPSS2
CL365794	RP44_356E7	T7	10	89561050	89561126	89.56	2.00E-15	PAPSS2
CL388862	RP44_285B22	T7	10	89709804	89709935	89.71	5.00E-15	MGC35136
CL365855	RP44_356E7	SP6	10	89721654	89721914	89.72	1.00E-09	MGC35136
CL365840	RP44_356A7	SP6	10	89721845	89721914	89.72	1.00E-06	MGC35136
CL335259	RP44_253I19	SP6	10	89772095	89772175	89.77	6.00E-18	PTEN
CL372619	RP44_306P17	T7	10	89826288	89826391	89.83	3.00E-08	PTEN
CL356668	RP44_411D12	SP6	10	89936646	89936842	89.94	1.00E-80	LOC340652
CL355715	RP44_410O15	SP6	10	89997274	89997389	90.00	6.00E-11	NA
CL328132	RP44_248O19	T7	10	90028661	90028954	90.03	8.00E-30	NA
CL328660	RP44_370F10	T7	10	90129361	90129748	90.13	2.00E-39	LOC340653
CL328662	RP44_370F12	T7	10	90129361	90129748	90.13	1.00E-55	LOC340653
CL367811	RP44_372B9	SP6	10	90440829	90440880	90.44	7.00E-08	FLJ11218
CL389175	RP44_286E8	T7	10	90805506	90805560	90.81	3.00E-07	NA
CL366420	RP44_358L10	SP6	10	90945069	90945144	90.95	1.00E-19	NA
CL364506	RP44_396N21	SP6	10	90962525	90962584	90.96	9.00E-08	NA
CL353067	RP44_402E12	T7	10	91116619	91116658	91.12	6.00E-08	LIPA
CL327705	RP44_246C10	SP6	10	91198037	91198558	91.20	3.00E-26	IFIT2
CL353145	RP44_402E12	SP6	10	91366847	91366930	91.37	1.00E-14	NA
CL358067	RP44_414C19	SP6	10	91807338	91807386	91.81	5.00E-11	LOC349481
CL368782	RP44_289F15	SP6	10	91815428	91815682	91.82	1.00E-39	LOC349481
CL349325	RP44_309M9	T7	10	91815428	91815838	91.82	1.00E-77	LOC349481
CL349402	RP44_309M9	SP6	10	92031924	92032370	92.03	2.00E-24	NA
CL370523	RP44_295N22	T7	10	92090165	92090203	92.09	3.00E-07	LOC340659
CL412405	RP44_431A17	T7	10	92600250	92600621	92.60	5.00E-25	NA
CL367052	RP44_364G5	T7	10	92605957	92606380	92.61	e-132	NA
CL347146	RP44_272M13	T7	10	92770022	92770117	92.77	1.00E-19	RPP30
CL371637	RP44_304M12	T7	10	92818816	92818859	92.82	8.00E-13	NA
CL351522	RP44_313K5	T7	10	92827124	92827367	92.83	5.00E-25	NA
CL351771	RP44_313K6	SP6	10	93026302	93026397	93.03	6.00E-15	LOC340664
CL369699	RP44_292M23	SP6	10	93169899	93170338	93.17	2.00E-42	MGC16202
CL333143	RP44_249G19	T7	10	93303872	93304018	93.30	2.00E-11	FLJ37306
CL378327	RP44_423P8	SP6	10	93315329	93315464	93.32	1.00E-10	FLJ37306
CL364394	RP44_396B15	T7	10	93315337	93315464	93.32	5.00E-06	FLJ37306
CL390309	RP44_288O22	T7	10	93377399	93377466	93.38	9.00E-08	FLJ37306

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL439739	RP44_297H1	SP6	10	93384007	93384346	93.38	5.00E-16	FLJ37306
CL341137	RP44_259O8	SP6	10	93384480	93384873	93.38	3.00E-14	FLJ37306
CL344850	RP44_279G20	T7	10	93710079	93710304	93.71	1.00E-28	TNKS2
CL365192	RP44_400J3	SP6	10	94361189	94361259	94.36	6.00E-24	IDE
CL323794	RP44_459H19	T7	10	94374051	121682728	108.03	2.00E-51	SAC2
CL379578	RP44_426F14	SP6	10	94723998	94724116	94.72	2.00E-08	NA
CL335743	RP44_254K3	T7	10	94773540	94773595	94.77	2.00E-12	SEC15L
CL368643	RP44_289K8	SP6	10	94804184	94804276	94.80	9.00E-11	SEC15L
CL379493	RP44_426F14	T7	10	94892760	94893331	94.89	4.00E-10	SEC15L
CL375176	RP44_471E24	T7	10	94913982	94914520	94.91	0	SEC15L
CL335814	RP44_254K3	SP6	10	94945345	94945564	94.95	1.00E-06	SEC15L
CL339301	RP44_268H11	SP6	10	95180011	95180219	95.18	9.00E-54	NA
CL410563	RP44_419O20	SP6	10	95190510	95191067	95.19	6.00E-86	NA
CL339125	RP44_268A24	SP6	10	95410661	95410816	95.41	8.00E-70	C10orf3
CL340083	RP44_256H16	SP6	10	95591021	95591102	95.59	3.00E-23	C10orf4
CL339056	RP44_268A24	T7	10	95591021	95591102	95.59	3.00E-23	C10orf4
CL330014	CH242_3G10	T7	10	96048120	96048370	96.05	1.00E-38	PLCE1
CL364870	RP44_400O7	SP6	10	96128486	96128614	96.13	2.00E-17	PLCE1
CL332611	CH242_12G13	SP6	10	96141531	96141708	96.14	1.00E-19	PLCE1
CL325201	RP44_479H3	SP6	10	96437368	96437507	96.44	1.00E-36	HELLS
CL344435	RP44_278D13	SP6	10	96585902	96955950	96.77	3.00E-26	CYP2C8
CL321723	CH242_13B21	T7	10	96585902	96955950	96.77	1.00E-28	CYP2C8
CL320815	CH242_13B21	SP6	10	96615376	96872261	96.74	9.00E-11	CYP2C9
CL373548	RP44_457L13	T7	10	97169486	97169799	97.17	4.00E-07	PDLIM1
CL355800	RP44_410A10	SP6	10	97241324	97241436	97.24	4.00E-06	SORBS1
CL389776	RP44_287E4	T7	10	97241779	97242404	97.24	e-142	SORBS1
CL357885	RP44_413P6	T7	10	97313294	97313800	97.31	2.00E-70	SORBS1
CL358358	RP44_414D9	SP6	10	97342273	97342522	97.34	3.00E-29	SORBS1
CL389565	RP44_286H12	SP6	10	97351759	97351821	97.35	3.00E-07	SORBS1
CL357972	RP44_413P6	SP6	10	97470468	97470578	97.47	3.00E-23	NA
CL352107	RP44_313L14	SP6	10	97562229	97562327	97.56	1.00E-19	DKFZP564D116
CL360647	RP44_340L14	T7	10	97580509	97580737	97.58	1.00E-18	DKFZP564D116
CL379766	RP44_428G23	SP6	10	97705372	97705634	97.71	5.00E-07	NA
CL352024	RP44_313L14	T7	10	97789426	97790000	97.79	1.00E-41	NA
CL360718	RP44_340L14	SP6	10	97853761	97853833	97.85	2.00E-08	LOC340669
CL366713	RP44_362L5	SP6	10	97872918	97873150	97.87	2.00E-61	LOC340669
CL362052	RP44_353N19	T7	10	97914323	97914520	97.91	2.00E-15	LOC340669
CL371131	RP44_302A6	T7	10	97942903	97942957	97.94	3.00E-07	FLJ10895
CL379681	RP44_428G23	T7	10	97942903	97942957	97.94	3.00E-07	FLJ10895
CL356582	RP44_411P11	SP6	10	97943109	97943400	97.94	5.00E-22	FLJ10895
CL356714	RP44_411P12	SP6	10	97943109	97943400	97.94	4.00E-22	FLJ10895
CL386340	RP44_333L18	T7	10	97943109	97943400	97.94	5.00E-22	FLJ10895
CL322519	RP44_405H1	T7	10	98317245	98317312	98.32	3.00E-10	TLL2
CL340099	RP44_256L10	SP6	10	98443897	98444070	98.44	4.00E-64	SMBP
CL344905	RP44_279C10	SP6	10	98443897	98444070	98.44	2.00E-66	SMBP
CL377775	RP44_457A8	SP6	10	98467600	98467899	98.47	9.00E-88	SMBP
CL388958	RP44_285H18	SP6	10	98795692	98795992	98.80	2.00E-42	MLR2
CL360363	RP44_339E18	T7	10	98879040	98879543	98.88	7.00E-18	NA
CL321995	RP44_399D5	SP6	10	98948188	98948283	98.95	3.00E-27	SLIT1
CL358216	RP44_414E16	SP6	10	99348034	99348367	99.35	1.00E-70	ZDHHC16
CL329141	RP44_382H10	SP6	10	99368821	99368910	99.37	3.00E-23	MMS19L
CL359828	RP44_338M3	T7	10	99993306	99993382	99.99	2.00E-07	NA
CL356076	RP44_410H18	T7	10	100099770	100100241	100.10	2.00E-33	PSORT
CL346468	RP44_270F24	T7	10	100138806	100139268	100.14	3.00E-26	LOXL4
CL349856	RP44_309L16	SP6	10	100528413	100528465	100.53	3.00E-09	HPSE2
CL333365	RP44_249B4	T7	10	100600021	100600493	100.60	e-125	HPSE2
CL337803	RP44_265M5	SP6	10	100671124	100671230	100.67	7.00E-24	HPSE2
CL370271	RP44_295K21	T7	10	100726643	100727466	100.73	1.00E-12	HPSE2
CL358480	RP44_414L16	T7	10	100811558	100811654	100.81	3.00E-21	HPSE2
CL373143	RP44_307J23	SP6	10	100888608	100888761	100.89	5.00E-47	HPSE2
CL367020	RP44_363O21	SP6	10	101103920	101103974	101.10	4.00E-07	HPSE2
CL345212	RP44_279D6	SP6	10	101147622	101147680	101.15	3.00E-07	LOC349490
CL377156	RP44_449E8	SP6	10	101147622	101147680	101.15	4.00E-07	LOC349490
CL376899	RP44_449C23	T7	10	101170133	101170323	101.17	1.00E-06	LOC349490
CL412294	RP44_430L22	T7	10	101388211	101388523	101.39	4.00E-58	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL380779	RP44_314O4	T7	10	101767877	101768284	101.77	6.00E-55	KIAA1010
CL343071	RP44_276A4	T7	10	101767877	101768295	101.77	4.00E-59	KIAA1010
CL343160	RP44_276A4	SP6	10	101971952	101972183	101.97	1.00E-06	CPN1
CL347540	RP44_272L17	SP6	10	102026452	102026847	102.03	5.00E-09	NA
CL326393	RP44_243O4	SP6	10	102147271	102147493	102.15	6.00E-91	FLJ10998
CL385328	RP44_330P17	T7	10	102426575	102426922	102.43	4.00E-12	HIF1AN
CL385400	RP44_330P17	SP6	10	102604622	102605011	102.60	6.00E-95	LOC340677
CL362820	RP44_380H14	T7	10	102643814	102644151	102.64	4.00E-22	PAX2
CL377574	RP44_457I19	T7	10	102655724	102655887	102.66	2.00E-21	PAX2
CL412526	RP44_431K7	SP6	10	102677877	102678381	102.68	e-139	PAX2
CL412447	RP44_431K7	T7	10	102884170	102884519	102.88	1.00E-90	C10orf2
CL411175	RP44_420H1	T7	10	102884356	102884519	102.88	6.00E-27	C10orf2
CL321790	CH242_13P7	T7	10	103426795	103426875	103.43	3.00E-08	BTRC
CL363306	RP44_383L13	T7	10	103546271	103546613	103.55	2.00E-33	SHFM3
CL350218	RP44_310D21	T7	10	103560498	103561196	103.56	5.00E-09	SHFM3
CL412676	RP44_431G4	SP6	10	103684247	103684862	103.68	e-135	MGEA5
CL343007	RP44_276E7	SP6	10	103688092	103688254	103.69	9.00E-48	MGEA5
CL363375	RP44_383L13	SP6	10	103717109	103717391	103.72	8.00E-17	KCNIP2
CL411226	RP44_420B7	SP6	10	103717109	103717391	103.72	2.00E-11	KCNIP2
CL357900	RP44_413B14	SP6	10	103747457	103747596	103.75	6.00E-06	FLJ13114
CL342923	RP44_276E7	T7	10	103871035	103871113	103.87	3.00E-07	FLJ13114
CL339905	RP44_256P21	T7	10	103877243	103877803	103.88	1.00E-78	FLJ13114
CL348188	RP44_274O13	T7	10	103886234	103886379	103.89	3.00E-32	FLJ13114
CL352217	RP44_314C17	SP6	10	103934508	103934841	103.93	2.00E-36	NA
CL346134	RP44_270A5	T7	10	103942873	103943055	103.94	1.00E-16	LOC340684
CL355150	RP44_409A22	T7	10	104126875	104126982	104.13	2.00E-11	PITX3
CL346207	RP44_270A5	SP6	10	104149968	104150322	104.15	2.00E-29	GBF1
CL414080	RP44_435H12	SP6	10	104309098	104309376	104.31	3.00E-47	PSD
CL372514	RP44_305L20	SP6	10	104380879	104381353	104.38	8.00E-11	ACTR1A
CL333680	RP44_250G6	T7	10	104866828	104866920	104.87	1.00E-22	CNNM2
CL320502	CH242_10D12	T7	10	104919587	104920142	104.92	2.00E-06	CNNM2
CL345919	RP44_269O6	T7	10	105059265	105059613	105.06	1.00E-15	NT5C2
CL380099	RP44_428H17	SP6	10	105330725	105330880	105.33	7.00E-39	PDCD11
CL323916	RP44_463I19	T7	10	105589341	105589487	105.59	4.00E-27	FISH
CL384571	RP44_329E18	T7	10	105760277	105760309	105.76	7.00E-06	NA
CL343103	RP44_276E24	T7	10	105912408	105912668	105.91	7.00E-64	SLK
CL360802	RP44_341D20	SP6	10	105979831	105980381	105.98	1.00E-19	NA
CL339264	RP44_268P23	T7	10	106005153	106005250	106.01	8.00E-07	NA
CL326793	RP44_244E20	T7	10	106059724	106060350	106.06	6.00E-40	FLJ36006
CL328307	RP44_248C14	SP6	10	106059724	106060372	106.06	6.00E-40	FLJ36006
CL343192	RP44_276E24	SP6	10	106105042	106105422	106.11	2.00E-33	FLJ22944
CL339343	RP44_268P23	SP6	10	106190090	106190254	106.19	3.00E-37	LOC119391
CL326868	RP44_244E20	SP6	10	106230965	106231268	106.23	1.00E-15	NA
CL341859	RP44_261O24	T7	10	106261885	106262309	106.26	8.00E-52	FLJ35908
CL383703	RP44_327C17	SP6	10	106281743	106282157	106.28	1.00E-07	FLJ35908
CL325594	RP44_241L14	T7	10	106640085	106640150	106.64	1.00E-18	SORCS3
CL334900	RP44_252M10	T7	10	106739222	106739436	106.74	5.00E-46	SORCS3
CL325663	RP44_241L14	SP6	10	106838916	106839129	106.84	2.00E-08	SORCS3
CL342185	RP44_261F24	SP6	10	106875380	106875472	106.88	3.00E-20	SORCS3
CL342107	RP44_261F24	T7	10	107048019	107048286	107.05	2.00E-79	SORCS3
CL374721	RP44_470N9	T7	10	107361990	107362109	107.36	5.00E-15	LOC340689
CL336497	RP44_263C5	SP6	10	107465994	107466078	107.47	4.00E-13	LOC338559
CL336508	RP44_263E5	SP6	10	107465994	107466078	107.47	4.00E-13	LOC338559
CL374376	RP44_470M13	T7	10	107496957	107497393	107.50	e-101	LOC338559
CL411655	RP44_422D23	T7	10	107588577	107588872	107.59	8.00E-39	NA
CL413936	RP44_435M6	SP6	10	107614651	107614790	107.61	4.00E-10	NA
CL413740	RP44_435M5	T7	10	107793657	107794087	107.79	e-140	LOC340690
CL413069	RP44_432C23	T7	10	107836465	107836738	107.84	6.00E-62	LOC340690
CL321121	CH242_15M22	T7	10	107841999	107842359	107.84	2.00E-33	LOC340690
CL363434	RP44_388J21	T7	10	108428297	108428920	108.43	e-118	LOC338561
CL363499	RP44_388J21	SP6	10	108596677	108596923	108.60	7.00E-15	SORCS1
CL337960	RP44_265K4	SP6	10	108850142	108850843	108.85	6.00E-34	SORCS1
CL327463	RP44_245P3	SP6	10	108854721	108854772	108.85	9.00E-08	SORCS1
CL388645	RP44_285E7	SP6	10	108967858	108968050	108.97	1.00E-25	SORCS1
CL365559	RP44_354E17	T7	10	109036064	109036512	109.04	4.00E-31	SORCS1

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL337878	RP44_265K4	T7	10	109057394	109057624	109.06	5.00E-09	NA
CL439690	RP44_297L19	T7	10	109107098	111726348	110.42	5.00E-24	NA
CL411479	RP44_421P22	SP6	10	109107303	109107614	109.11	4.00E-22	NA
CL368067	RP44_288D11	T7	10	109707896	111355475	110.53	1.00E-65	NA
CL331192	CH242_7C22	T7	10	109780221	111752598	110.77	1.00E-16	NA
CL347089	RP44_272C1	T7	10	109932012	109932132	109.93	6.00E-06	LOC340692
CL411151	RP44_420B17	T7	10	110588057	110588130	110.59	6.00E-26	NA
CL345501	RP44_280I16	T7	10	110672003	110672121	110.67	9.00E-17	NA
CL355493	RP44_409J18	T7	10	111179343	111179807	111.18	1.00E-10	NA
CL368097	RP44_288J7	T7	10	111389019	111389476	111.39	1.00E-13	NA
CL331030	CH242_6F1	T7	10	111406838	111407146	111.41	9.00E-30	NA
CL369558	RP44_291M10	SP6	10	111420185	111420333	111.42	1.00E-08	NA
CL331113	CH242_6F1	SP6	10	111771180	111771907	111.77	4.00E-35	XPNPEP1
CL378335	RP44_424A2	T7	10	111850578	111851049	111.85	3.00E-75	NA
CL413393	RP44_433E18	T7	10	111850578	111851111	111.85	1.00E-78	NA
CL343500	RP44_276D20	SP6	10	111869507	111869650	111.87	7.00E-12	NA
CL324225	RP44_474C22	SP6	10	111991533	111991938	111.99	e-111	ADD3
CL384110	RP44_328J23	T7	10	112010330	112010668	112.01	3.00E-72	ADD3
CL413480	RP44_433E18	SP6	10	112032848	112033230	112.03	1.00E-35	LOC340696
CL343526	RP44_276J6	SP6	10	112041212	112041341	112.04	7.00E-15	LOC340696
CL324224	RP44_474C22	T7	10	112194494	112194588	112.19	3.00E-26	SPF30
CL384188	RP44_328J23	SP6	10	112217378	112219535	112.22	6.00E-09	NA
CL343444	RP44_276J6	T7	10	112241784	112241913	112.24	8.00E-21	NA
CL337160	RP44_264E13	SP6	10	112259110	112259188	112.26	8.00E-17	NA
CL388345	RP44_284H9	SP6	10	112302196	112302254	112.30	2.00E-19	LOC340697
CL337079	RP44_264E13	T7	10	112470265	112470303	112.47	3.00E-07	CSPG6
CL351179	RP44_312G9	T7	10	112669825	112670865	112.67	1.00E-06	LOC340699
CL359406	RP44_336D2	T7	10	112773973	112774085	112.77	2.00E-36	PDCD4
CL323610	RP44_458D16	T7	10	112884669	112885079	112.88	2.00E-06	SHOC2
CL388924	RP44_285P20	T7	10	112908177	112908311	112.91	9.00E-10	NA
CL321882	CH242_15O7	T7	10	113124608	113124906	113.12	1.00E-07	NA
CL382776	RP44_325C21	SP6	10	113130821	113131905	113.13	3.00E-45	NA
CL382692	RP44_325C21	T7	10	113226953	113227157	113.23	2.00E-26	LOC340700
CL358744	RP44_415O15	SP6	10	113260441	113260598	113.26	1.00E-05	NA
CL320971	CH242_15O7	SP6	10	113300912	113301024	113.30	2.00E-20	NA
CL370344	RP44_295O11	SP6	10	113978417	113978480	113.98	4.00E-15	NA
CL333372	RP44_249B18	T7	10	113978870	113978929	113.98	4.00E-10	NA
CL337660	RP44_264P8	SP6	10	114053461	114053518	114.05	3.00E-09	KIAA1560
CL412690	RP44_431I8	SP6	10	114054747	114055081	114.05	2.00E-14	KIAA1560
CL362263	RP44_375N20	T7	10	114063738	114063813	114.06	2.00E-12	KIAA1560
CL333450	RP44_249B18	SP6	10	114163185	114163221	114.16	5.00E-06	NA
CL411232	RP44_420B23	SP6	10	114315626	114315795	114.32	9.00E-30	FACL5
CL359164	RP44_335P10	T7	10	114355535	114355665	114.36	2.00E-40	VT11A
CL359241	RP44_335P10	SP6	10	114399192	114399397	114.40	6.00E-12	VT11A
CL411446	RP44_421J18	SP6	10	114420324	114420481	114.42	5.00E-12	VT11A
CL365395	RP44_353D10	T7	10	114499782	114500137	114.50	6.00E-21	VT11A
CL411153	RP44_420B23	T7	10	114499858	114500137	114.50	4.00E-09	VT11A
CL323285	RP44_458A17	T7	10	114533828	114534389	114.53	6.00E-18	VT11A
CL389847	RP44_287A20	SP6	10	114570354	114570407	114.57	1.00E-06	VT11A
CL384608	RP44_329M12	T7	10	114962415	114962654	114.96	4.00E-16	FLJ23556
CL360255	RP44_339I13	T7	10	115050085	115050387	115.05	4.00E-30	TCF7L2
CL364858	RP44_400K19	SP6	10	115176250	115176702	115.18	5.00E-37	LOC349506
CL383938	RP44_327F2	T7	10	115542768	115542918	115.54	6.00E-21	NRAP
CL340100	RP44_256L12	SP6	10	115682771	115682909	115.68	1.00E-38	NA
CL361157	RP44_344L20	T7	10	115740179	115740659	115.74	1.00E-56	DCLRE1A
CL386470	RP44_334G8	T7	10	115884654	115884896	115.88	2.00E-58	NA
CL386533	RP44_334G8	SP6	10	115943188	115943299	115.94	3.00E-07	NA
CL365063	RP44_400O10	SP6	10	115972727	115973087	115.97	2.00E-12	NA
CL360966	RP44_343M13	SP6	10	116094882	116095141	116.10	2.00E-18	TDRD1
CL364985	RP44_400O10	T7	10	116169696	116169971	116.17	2.00E-24	LOC340706
CL371186	RP44_302K20	T7	10	116336295	116336427	116.34	4.00E-44	ABLIM1
CL348578	RP44_274P20	SP6	10	116376531	116376874	116.38	3.00E-25	ABLIM1
CL371265	RP44_302K20	SP6	10	116517128	116519581	116.52	3.00E-08	ABLIM1
CL411024	RP44_420E4	T7	10	116709070	116709128	116.71	2.00E-09	NA
CL357958	RP44_413L20	SP6	10	116811389	116811524	116.81	2.00E-12	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL338437	RP44_266I7	SP6	10	116906653	116906698	116.91	2.00E-06	NA
CL368647	RP44_289K16	SP6	10	116941139	116941301	116.94	5.00E-31	LOC340708
CL358530	RP44_414F6	SP6	10	116973268	116973434	116.97	2.00E-23	NA
CL408971	RP44_416H7	SP6	10	117357885	117357992	117.36	3.00E-29	KIAA0534
CL409134	RP44_416J10	T7	10	117434250	117434393	117.43	1.00E-22	KIAA0534
CL338496	RP44_266E24	T7	10	117496826	117497306	117.50	3.00E-48	KIAA0534
CL410811	RP44_419J16	SP6	10	117560141	117560540	117.56	4.00E-46	KIAA0534
CL323093	RP44_455N4	SP6	10	117560655	117560778	117.56	2.00E-17	KIAA0534
CL324845	RP44_478J5	T7	10	117570417	117570567	117.57	2.00E-11	KIAA0534
CL338579	RP44_266E24	SP6	10	117668251	117668328	117.67	5.00E-16	KIAA0534
CL347324	RP44_272A6	SP6	10	117668677	117669142	117.67	2.00E-20	KIAA0534
CL323092	RP44_455N4	T7	10	117717982	117718126	117.72	3.00E-07	KIAA0534
CL359245	RP44_335P22	SP6	10	117718467	117719246	117.72	2.00E-29	KIAA0534
CL412712	RP44_431M14	SP6	10	117735847	117736103	117.74	5.00E-56	KIAA0534
CL412865	RP44_431L13	SP6	10	117735887	117736103	117.74	1.00E-38	KIAA0534
CL412622	RP44_431M14	T7	10	117929406	117929442	117.93	6.00E-06	NA
CL357645	RP44_413O8	SP6	10	117953194	117953287	117.95	5.00E-09	NA
CL357563	RP44_413O8	T7	10	118109757	118110164	118.11	e-105	GFRA1
CL370392	RP44_295B17	SP6	10	118177975	118178604	118.18	3.00E-35	NA
CL383343	RP44_326C8	T7	10	118413308	118413367	118.41	3.00E-17	NA
CL328615	RP44_248D4	SP6	10	118484222	118484304	118.48	6.00E-15	PNLIPRP1
CL354460	RP44_407C22	T7	10	118631530	118631985	118.63	6.00E-15	KIAA0417
CL383134	RP44_325L13	SP6	10	118731024	118731307	118.73	5.00E-10	KIAA0417
CL354525	RP44_407C22	SP6	10	118859601	118859761	118.86	3.00E-35	KIAA1598
CL383047	RP44_325L13	T7	10	118859601	118860468	118.86	4.00E-35	KIAA1598
CL331128	CH242_6H19	SP6	10	118993362	118993706	118.99	e-156	LOC349508
CL345264	RP44_279N14	SP6	10	119221050	119221122	119.22	8.00E-11	LOC118987
CL343448	RP44_276J14	T7	10	119249586	119249697	119.25	2.00E-06	LOC118987
CL325499	RP44_241H7	SP6	10	119249586	119250561	119.25	1.00E-06	LOC118987
CL344157	RP44_278M23	SP6	10	119494411	119494574	119.49	2.00E-55	LOC159385
CL384066	RP44_328B3	T7	10	119508267	119508307	119.51	3.00E-06	LOC159385
CL323942	RP44_463O21	T7	10	119680292	119680468	119.68	1.00E-43	NA
CL389084	RP44_286C19	SP6	10	119865211	119865350	119.87	1.00E-09	NA
CL386363	RP44_333P18	T7	10	119903829	119904504	119.90	0	Rab11-FIP2
CL349328	RP44_309M15	T7	10	120095912	120096101	120.10	1.00E-68	C10orf5
CL377933	RP44_422L17	SP6	10	120572971	120573059	120.57	9.00E-08	MGC33215
CL358077	RP44_414E21	SP6	10	120689235	120689302	120.69	3.00E-10	NA
CL412850	RP44_431J1	SP6	10	121102063	121102356	121.10	2.00E-20	GPRK5
CL353380	RP44_402H22	T7	10	121155652	121155684	121.16	4.00E-06	GPRK5
CL357054	RP44_412H21	T7	10	121190234	121190293	121.19	9.00E-08	GPRK5
CL360510	RP44_339N7	T7	10	121399304	121399361	121.40	4.00E-09	RGS10
CL370971	RP44_300N3	SP6	10	121433057	121433125	121.43	6.00E-09	RGS10
CL334038	RP44_250F16	SP6	10	121485218	121485809	121.49	7.00E-23	TIAL1
CL347289	RP44_272I24	T7	10	121485242	121485809	121.49	4.00E-11	TIAL1
CL320175	CH242_2E5	T7	10	121643819	121643938	121.64	4.00E-30	SAC2
CL365131	RP44_400N3	T7	10	121717762	121718238	121.72	e-123	SAC2
CL323795	RP44_459H19	SP6	10	121833625	121833949	121.83	6.00E-06	NA
CL334976	RP44_252O14	SP6	10	121861294	121861598	121.86	4.00E-28	NA
CL375794	RP44_436N14	SP6	10	121978210	121978239	121.98	1.00E-06	LOC349511
CL387928	RP44_283O13	SP6	10	122066161	122066261	122.07	1.00E-06	NA
CL382488	RP44_324G17	SP6	10	122100624	122100653	122.10	2.00E-06	NA
CL387850	RP44_283O13	T7	10	122283544	122283716	122.28	1.00E-06	NA
CL325662	RP44_241L12	SP6	10	123116934	123120969	123.12	2.00E-18	LOC340726
CL325680	RP44_241P12	SP6	10	123116934	123120974	123.12	2.00E-21	LOC340726
CL412601	RP44_431I10	T7	10	123599634	123600150	123.60	e-170	LOC340728
CL367912	RP44_374N1	T7	10	123663392	123663547	123.66	5.00E-22	ATE1
CL333895	RP44_250H1	SP6	10	123937630	123937700	123.94	3.00E-07	TACC2
CL375444	RP44_471J19	SP6	10	124083277	124083520	124.08	8.00E-42	TACC2
CL349317	RP44_309K17	T7	10	124163484	124163512	124.16	5.00E-06	FLJ25359
CL350390	RP44_310H8	T7	10	124259522	124259688	124.26	4.00E-60	LOC349516
CL328852	RP44_373J20	T7	10	124289826	124289958	124.29	2.00E-15	PLEKHA1
CL343399	RP44_276P15	SP6	10	124303517	124303689	124.30	1.00E-41	PLEKHA1
CL323859	RP44_459N21	T7	10	124369624	124369782	124.37	8.00E-60	PRSS11
CL363024	RP44_383O15	T7	10	124369624	124369858	124.37	5.00E-62	PRSS11
CL375745	RP44_436D24	SP6	10	124629399	124629487	124.63	6.00E-06	MGC45962

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL321729	CH242_13D11	T7	10	124758895	124759068	124.76	2.00E-24	PEGASUS
CL341911	RP44_261I22	SP6	10	124809516	124810035	124.81	7.00E-24	ACADSB
CL339796	RP44_256I17	SP6	10	124819529	124819716	124.82	6.00E-18	ACADSB
CL372034	RP44_304J22	SP6	10	124845893	124846275	124.85	e-179	NA
CL375663	RP44_436D24	T7	10	124864994	124865096	124.87	9.00E-08	NA
CL386164	RP44_333G8	T7	10	124883548	124883823	124.88	6.00E-64	NA
CL371953	RP44_304J22	T7	10	125024298	125024766	125.02	3.00E-78	NA
CL328172	RP44_248G23	SP6	10	125179790	125179843	125.18	6.00E-07	LOC340787
CL347649	RP44_272L4	SP6	10	125207627	125207953	125.21	e-124	LOC340787
CL358348	RP44_414B11	SP6	10	125207677	125208023	125.21	e-111	LOC340787
CL353996	RP44_405G9	SP6	10	126014182	126014220	126.01	1.00E-09	NA
CL365555	RP44_354E5	T7	10	126290050	126290125	126.29	9.00E-06	LHPP
CL333644	RP44_250M23	SP6	10	126348860	126348948	126.35	1.00E-15	KIAA0140
CL376076	RP44_443M9	T7	10	126536470	126536521	126.54	9.00E-08	KIAA0157
CL381006	RP44_314L7	SP6	10	126830348	126830712	126.83	2.00E-61	CTBP2
CL372357	RP44_305N21	SP6	10	126895007	126895073	126.90	2.00E-14	NA
CL354427	RP44_406N3	SP6	10	126915985	126916045	126.92	2.00E-06	NA
CL386177	RP44_333K2	T7	10	127090681	127091308	127.09	8.00E-14	NA
CL350905	RP44_311B13	SP6	10	127127098	127127260	127.13	1.00E-24	NA
CL325517	RP44_241J21	SP6	10	127175569	127175854	127.18	3.00E-26	NA
CL361999	RP44_353D3	T7	10	127185816	127186104	127.19	2.00E-11	NA
CL386389	RP44_333F18	SP6	10	127219412	127219626	127.22	7.00E-12	LOC340772
CL380290	RP44_428J22	SP6	10	127376047	127376234	127.38	5.00E-22	NA
CL326759	RP44_244O11	SP6	10	127479000	127479385	127.48	2.00E-48	DKFZp586F1019
CL327769	RP44_246O12	SP6	10	127479000	127479385	127.48	4.00E-53	DKFZp586F1019
CL380200	RP44_428J22	T7	10	127556169	127556310	127.56	4.00E-47	BCCIP
CL376657	RP44_445G1	SP6	10	127570506	127570548	127.57	2.00E-07	DDX32
CL361690	RP44_351O9	SP6	10	127768882	127769125	127.77	5.00E-53	ADAM12
CL361604	RP44_351O9	T7	10	127768882	127769125	127.77	5.00E-53	ADAM12
CL338573	RP44_266E10	SP6	10	127801159	127801257	127.80	1.00E-14	ADAM12
CL354041	RP44_405O19	SP6	10	127865401	127865905	127.87	2.00E-63	ADAM12
CL346225	RP44_270E1	SP6	10	127866509	127866538	127.87	2.00E-06	ADAM12
CL361733	RP44_351J3	T7	10	128230425	128230748	128.23	7.00E-27	FLJ32938
CL387325	RP44_281E18	T7	10	128243033	128243510	128.24	4.00E-10	FLJ32938
CL337293	RP44_264A12	SP6	10	128266570	128266743	128.27	8.00E-42	LOC349522
CL325073	RP44_479G3	T7	10	128379232	128379323	128.38	3.00E-10	NA
CL362969	RP44_383E17	T7	10	128469977	128470056	128.47	4.00E-10	NA
CL323716	RP44_458N12	SP6	10	128522269	128522307	128.52	3.00E-07	NA
CL361987	RP44_353O19	SP6	10	129161149	129161401	129.16	4.00E-41	DOCK1
CL356904	RP44_412G10	T7	10	129315534	129315954	129.32	2.00E-08	LOC340952
CL352026	RP44_313L18	T7	10	129535620	129535706	129.54	1.00E-09	NA
CL329603	RP44_394L9	SP6	10	130163911	130164120	130.16	4.00E-25	NA
CL357242	RP44_412N14	T7	10	130188574	130188700	130.19	4.00E-06	NA
CL348450	RP44_274D22	T7	10	130266928	130267443	130.27	4.00E-25	NA
CL328564	RP44_248H16	T7	10	130271160	130271624	130.27	7.00E-09	NA
CL377225	RP44_449B13	T7	10	130273189	130273445	130.27	2.00E-08	NA
CL343560	RP44_276P16	SP6	10	130273189	130273449	130.27	1.00E-10	NA
CL413927	RP44_435K4	SP6	10	130374032	130374271	130.37	7.00E-30	NA
CL360751	RP44_341F4	T7	10	130374032	130374271	130.37	7.00E-30	NA
CL341188	RP44_260I11	SP6	10	130461744	130461813	130.46	4.00E-06	NA
CL371657	RP44_304A8	SP6	10	130463952	130464427	130.46	3.00E-91	LOC349607
CL340114	RP44_256P2	SP6	10	130601790	130602197	130.60	e-138	NA
CL331827	CH242_9G21	T7	10	130697533	130697806	130.70	9.00E-73	NA
CL328668	RP44_370F20	T7	10	130750415	130750555	130.75	1.00E-40	NA
CL367135	RP44_364I7	SP6	10	130757149	130757568	130.76	5.00E-55	NA
CL341018	RP44_259C12	T7	10	130823379	130823910	130.82	1.00E-90	LOC349608
CL332090	CH242_10I15	SP6	10	130869685	130869849	130.87	1.00E-09	NA
CL367693	RP44_372C21	SP6	10	130892146	130892808	130.89	3.00E-85	NA
CL357491	RP44_413A8	T7	10	130892879	130893489	130.89	e-127	NA
CL331906	CH242_9G21	SP6	10	130926056	130926450	130.93	e-148	LOC349609
CL341091	RP44_259C12	SP6	10	131007734	131007953	131.01	7.00E-58	LOC340957
CL365962	RP44_356P2	T7	10	131051601	131051987	131.05	4.00E-62	NA
CL377377	RP44_449P23	SP6	10	131066186	131066315	131.07	4.00E-40	NA
CL357575	RP44_413A8	SP6	10	131075574	131075916	131.08	1.00E-93	NA
CL349711	RP44_309N9	SP6	10	131445178	131445531	131.45	e-140	MGMT

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL359126	RP44_335H6	T7	10	131625907	131626293	131.63	e-134	DKFZp667B0210
CL349633	RP44_309N9	T7	10	131688795	131688947	131.69	4.00E-21	DKFZp667B0210
CL374775	RP44_470H13	SP6	10	131888240	131888396	131.89	1.00E-31	TXNL2
CL338506	RP44_266G22	T7	10	132954530	132954714	132.95	3.00E-25	LOC256536
CL338588	RP44_266G22	SP6	10	133173987	133174321	133.17	2.00E-60	NA
CL354491	RP44_407K16	T7	11	183051	183085	0.18	1.00E-07	AP2A2
CL336884	RP44_263P5	SP6	11	2799273	2799329	2.80	8.00E-07	KCNQ1
CL385454	RP44_330L6	T7	11	2799273	2799329	2.80	9.00E-11	KCNQ1
CL356851	RP44_412M3	SP6	11	3009850	3009963	3.01	6.00E-09	CARS
CL325790	RP44_242K21	SP6	11	4398630	6047759	5.22	1.00E-09	OR52X1P
CL378846	RP44_425I19	SP6	11	4398630	6047759	5.22	2.00E-09	OR52X1P
CL371824	RP44_304B21	SP6	11	4448380	4462884	4.46	2.00E-15	NA
CL345425	RP44_280I11	SP6	11	4633664	6149720	5.39	3.00E-77	MGC24137
CL383140	RP44_325N3	SP6	11	5112800	5132617	5.12	2.00E-09	OR52A1
CL389689	RP44_287A1	SP6	11	5714832	5714888	5.71	1.00E-06	TRIM5
CL337163	RP44_264E21	SP6	11	6238486	6238571	6.24	3.00E-16	NA
CL386093	RP44_332F8	SP6	11	6370973	6371013	6.37	3.00E-06	SMPD1
CL379745	RP44_428C23	SP6	11	6514183	6514444	6.51	1.00E-44	LOC196337
CL328704	RP44_370J24	SP6	11	6697537	6698103	6.70	7.00E-92	NA
CL350382	RP44_310F16	T7	11	6878260	6878324	6.88	1.00E-10	NA
CL326397	RP44_243O16	SP6	11	6936271	6936353	6.94	2.00E-12	ZNF215
CL390338	RP44_288E18	SP6	11	7871511	7871575	7.87	3.00E-16	LOC283299
CL374711	RP44_470L9	T7	11	8086154	8086661	8.09	5.00E-12	NA
CL327151	RP44_245E11	SP6	11	8182384	8182520	8.18	5.00E-06	NA
CL335862	RP44_254F2	T7	11	8521751	8522307	8.52	4.00E-59	NA
CL335937	RP44_254F2	SP6	11	8811329	8811428	8.81	9.00E-25	ST5
CL327025	RP44_244J6	SP6	11	8973142	8973254	8.97	6.00E-35	C11orf17
CL379109	RP44_426O17	T7	11	9673759	9674000	9.67	2.00E-09	LOC341259
CL351681	RP44_313I6	T7	11	9813332	9813592	9.81	1.00E-18	SWAP70
CL321672	CH242_13I2	SP6	11	9906398	9906783	9.91	5.00E-13	CMT4B2,
CL339286	RP44_268F1	SP6	11	9920380	9920477	9.92	1.00E-13	CMT4B2,
CL351594	RP44_313I5	SP6	11	9979794	9979955	9.98	8.00E-18	CMT4B2,
CL412843	RP44_431H7	SP6	11	10115103	10115172	10.12	1.00E-09	CMT4B2,
CL412763	RP44_431H7	T7	11	10323092	10323157	10.32	4.00E-07	CMT4B2,
CL381885	RP44_323O9	T7	11	10410327	10410375	10.41	5.00E-13	NA
CL384393	RP44_329C1	T7	11	10410816	10411302	10.41	6.00E-06	NA
CL345413	RP44_280G11	SP6	11	10611428	10611594	10.61	4.00E-07	NA
CL341961	RP44_261F1	T7	11	10611428	10611594	10.61	6.00E-06	NA
CL382820	RP44_325M15	SP6	11	10635293	10635348	10.64	7.00E-08	MRV11
CL348920	RP44_275B13	T7	11	10776637	10776758	10.78	5.00E-28	NA
CL323745	RP44_458P20	SP6	11	10825417	10825450	10.83	6.00E-09	SH2BP1
CL375443	RP44_471J17	SP6	11	10892375	10893107	10.89	2.00E-08	NA
CL323744	RP44_458P20	T7	11	11033813	11033897	11.03	5.00E-07	LOC349718
CL363205	RP44_383E4	SP6	11	11414228	11414365	11.41	5.00E-40	NA
CL373023	RP44_307D15	T7	11	11442655	11442706	11.44	2.00E-17	NA
CL390068	RP44_288A3	T7	11	11981996	11982331	11.98	5.00E-09	FLJ20727
CL390258	RP44_288E4	T7	11	11982254	11982331	11.98	3.00E-09	FLJ20727
CL336639	RP44_263M14	T7	11	12336652	12336873	12.34	8.00E-23	NA
CL364868	RP44_400O3	SP6	11	12493038	12493198	12.49	2.00E-24	PARVA
CL413395	RP44_433E24	T7	11	12493147	12493665	12.49	7.00E-09	PARVA
CL353413	RP44_403A19	T7	11	12521463	12521510	12.52	4.00E-10	PARVA
CL363389	RP44_383P3	SP6	11	12588229	12588265	12.59	5.00E-06	PARVA
CL331523	CH242_8K7	T7	11	12677441	12677545	12.68	7.00E-11	LOC349722
CL323925	RP44_463M1	T7	11	12740858	12741065	12.74	1.00E-10	TEAD1
CL323918	RP44_463K1	T7	11	12740858	12741263	12.74	5.00E-92	TEAD1
CL359871	RP44_338E11	SP6	11	12817675	12817756	12.82	2.00E-06	TEAD1
CL329200	RP44_382N16	T7	11	12854374	12854737	12.85	1.00E-09	TEAD1
CL323875	RP44_459P17	SP6	11	12943812	12943866	12.94	1.00E-06	TEAD1
CL359790	RP44_338E11	T7	11	12975512	12975823	12.98	e-101	TEAD1
CL379768	RP44_428I3	SP6	11	13000445	13000505	13.00	2.00E-06	TEAD1
CL322017	RP44_399F5	SP6	11	13180981	13181060	13.18	3.00E-10	LOC341266
CL386986	RP44_335A18	T7	11	13420558	13420702	13.42	2.00E-25	ARNTL
CL440043	RP44_299K14	T7	11	13803656	13803694	13.80	2.00E-07	NA
CL385416	RP44_330D10	T7	11	14089861	14089936	14.09	1.00E-12	SPON1
CL385711	RP44_332C4	T7	11	14173702	14173769	14.17	5.00E-06	SPON1

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL337448	RP44_264B15	SP6	11	14173702	14173946	14.17	3.00E-26	SPON1
CL339427	RP44_268B8	SP6	11	14760343	14760562	14.76	7.00E-30	PDE3B
CL348231	RP44_274I11	SP6	11	14793935	14793967	14.79	2.00E-08	PDE3B
CL348156	RP44_274I11	T7	11	14904650	14905010	14.90	8.00E-27	PDE3B
CL389366	RP44_286N19	T7	11	14931113	14931625	14.93	1.00E-25	PDE3B
CL375268	RP44_471G10	SP6	11	15174870	15175384	15.18	4.00E-28	LOC349726
CL351270	RP44_312I17	SP6	11	15235557	15235797	15.24	4.00E-19	NA
CL387339	RP44_281I4	T7	11	15326060	15326395	15.33	4.00E-19	NA
CL361461	RP44_350L20	T7	11	15428216	15428589	15.43	e-145	LOC349727
CL331725	CH242_8D15	SP6	11	15492132	15492295	15.49	1.00E-33	LOC341272
CL410780	RP44_419B12	SP6	11	15492132	15492502	15.49	1.00E-52	LOC341272
CL335473	RP44_253N17	T7	11	15577082	15577394	15.58	2.00E-09	NA
CL364832	RP44_400G3	SP6	11	15644560	15644769	15.64	2.00E-48	NA
CL345432	RP44_280K1	SP6	11	15644560	15644987	15.64	e-146	NA
CL387145	RP44_280P16	SP6	11	15711712	15711771	15.71	4.00E-10	LOC341273
CL345333	RP44_280K1	T7	11	15803578	15804184	15.80	5.00E-90	NA
CL345864	RP44_280P16	T7	11	15875418	43245502	29.56	2.00E-18	LOC349751
CL410441	RP44_419M5	SP6	11	16062267	16062543	16.06	3.00E-59	SOX6
CL368306	RP44_288J4	SP6	11	16089367	16089476	16.09	1.00E-22	SOX6
CL359409	RP44_336D8	T7	11	16240687	16241277	16.24	6.00E-37	SOX6
CL363899	RP44_392K20	SP6	11	16358014	16358683	16.36	0	SOX6
CL360786	RP44_341P6	T7	11	16462716	16463010	16.46	7.00E-42	SOX6
CL409336	RP44_417G11	SP6	11	16799117	16799243	16.80	3.00E-10	SOX6
CL357415	RP44_413A21	SP6	11	16975046	16975187	16.98	5.00E-31	LOC349728
CL357336	RP44_413A21	T7	11	17173924	17173968	17.17	7.00E-06	PIK3C2A
CL347458	RP44_272L7	T7	11	17192602	17192752	17.19	1.00E-59	PIK3C2A
CL337320	RP44_264G2	SP6	11	17364221	17364262	17.36	1.00E-06	NUCB2
CL382103	RP44_323K20	SP6	11	17583478	17583674	17.58	6.00E-71	USH1C
CL341796	RP44_261E8	T7	11	17593939	17594464	17.59	8.00E-42	USH1C
CL344034	RP44_278E9	T7	11	17856139	17856171	17.86	5.00E-06	DELGEF
CL352719	RP44_401P3	SP6	11	17897599	17897665	17.90	1.00E-09	DELGEF
CL345444	RP44_280M5	SP6	11	17981484	17981976	17.98	e-111	DELGEF
CL330824	CH242_4J24	SP6	11	17983571	17983723	17.98	9.00E-11	DELGEF
CL361726	RP44_351H7	T7	11	17989725	17990293	17.99	0	DELGEF
CL361808	RP44_351H7	SP6	11	18102289	18102565	18.10	5.00E-13	NA
CL408554	RP44_415D1	SP6	11	18574365	18574459	18.57	1.00E-09	TSG101
CL352330	RP44_400P16	T7	11	18627034	18627196	18.63	4.00E-69	UEV3
CL440016	RP44_299C20	T7	11	18672124	18672262	18.67	6.00E-43	FLJ39441
CL408480	RP44_415D1	T7	11	18775663	18775705	18.78	3.00E-07	FLJ37794
CL363786	RP44_389N13	T7	11	19246847	19247077	19.25	6.00E-55	CSRP3
CL347229	RP44_272O5	SP6	11	19257307	19257557	19.26	5.00E-34	CSRP3
CL337214	RP44_264O19	SP6	11	19383603	19383762	19.38	3.00E-19	NA
CL363719	RP44_389N13	SP6	11	19399802	19400056	19.40	9.00E-08	NA
CL325179	RP44_479D3	T7	11	19502165	19502381	19.50	4.00E-09	NAV2
CL339835	RP44_256B19	T7	11	19581555	19581676	19.58	9.00E-30	NAV2
CL320447	CH242_6N20	SP6	11	19728497	19728637	19.73	6.00E-15	NAV2
CL359792	RP44_338E17	T7	11	19756738	19757084	19.76	2.00E-51	NAV2
CL343887	RP44_277D5	T7	11	19826121	19826149	19.83	5.00E-06	NAV2
CL331101	CH242_6B21	SP6	11	19895546	19895600	19.90	2.00E-09	NAV2
CL359874	RP44_338E17	SP6	11	19929994	19930104	19.93	4.00E-07	NAV2
CL321327	CH242_15F6	SP6	11	20309041	20309493	20.31	4.00E-41	NA
CL357160	RP44_412L19	SP6	11	20465823	20466020	20.47	1.00E-47	PRMT3
CL320269	CH242_2F3	T7	11	20595913	20595998	20.60	3.00E-07	LOC340996
CL357076	RP44_412L19	T7	11	20654226	20654600	20.65	7.00E-11	NA
CL414056	RP44_435P24	T7	11	20682277	20682340	20.68	5.00E-15	SLC6A5
CL341994	RP44_261L13	T7	11	20776570	20776796	20.78	2.00E-14	NELL1
CL361758	RP44_351N11	T7	11	21125826	21126373	21.13	2.00E-24	NELL1
CL412725	RP44_431O16	SP6	11	21142857	21143262	21.14	4.00E-32	NELL1
CL377901	RP44_422D15	SP6	11	21524294	21524341	21.52	1.00E-07	NELL1
CL357549	RP44_413K24	T7	11	21570562	21570622	21.57	6.00E-06	NELL1
CL367596	RP44_367N5	SP6	11	22098670	22098795	22.10	4.00E-07	NA
CL353308	RP44_402D12	SP6	11	22576793	22576991	22.58	3.00E-19	NA
CL337712	RP44_265I9	T7	11	22859576	22859832	22.86	3.00E-63	GAS2
CL384033	RP44_327J12	SP6	11	23109358	23379046	23.24	8.00E-08	LOC196188
CL355894	RP44_410F9	T7	11	24663990	24664164	24.66	2.00E-20	LOC338645

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL368121	RP44_288P7	T7	11	24711169	24711321	24.71	1.00E-16	LOC338645
CL363835	RP44_392M8	T7	11	25649351	25649398	25.65	1.00E-07	LOC349734
CL333790	RP44_250O18	SP6	11	25794516	25794582	25.79	4.00E-07	NA
CL374205	RP44_469L8	T7	11	26132699	26132999	26.13	7.00E-09	LOC338646
CL409003	RP44_416N9	SP6	11	26307964	26308349	26.31	1.00E-06	NA
CL386903	RP44_335A15	SP6	11	26331242	26331289	26.33	4.00E-10	LOC341007
CL374486	RP44_470A10	T7	11	26609790	26610124	26.61	6.00E-99	C11orf25
CL374572	RP44_470A10	SP6	11	26681527	26681647	26.68	2.00E-08	C11orf25
CL412698	RP44_431K8	SP6	11	26723467	26723879	26.72	e-101	C11orf25
CL357237	RP44_412N2	T7	11	26787869	26787942	26.79	7.00E-09	NA
CL368199	RP44_288P9	SP6	11	26818996	26819049	26.82	6.00E-09	NA
CL412608	RP44_431K8	T7	11	26904536	26904578	26.90	3.00E-07	LOC338647
CL326791	RP44_244E16	T7	11	26926470	26926551	26.93	1.00E-13	LOC338647
CL327818	RP44_246L23	T7	11	27258227	27258635	27.26	3.00E-69	LOC338648
CL338102	RP44_265H7	SP6	11	27315295	27315660	27.32	2.00E-06	NA
CL389470	RP44_286D6	T7	11	27434670	27435230	27.43	7.00E-61	GPR48
CL365518	RP44_353N6	SP6	11	27669297	27669673	27.67	5.00E-25	NA
CL323178	RP44_457N15	SP6	11	27769109	27770031	27.77	2.00E-12	BDNF
CL363116	RP44_383A24	T7	11	28175565	28175669	28.18	4.00E-07	FLJ33979
CL412650	RP44_431A22	SP6	11	28396773	28397130	28.40	5.00E-16	NA
CL364166	RP44_396C19	SP6	11	28396871	28397130	28.40	1.00E-10	NA
CL358320	RP44_414J21	T7	11	28396871	28397130	28.40	5.00E-16	NA
CL327386	RP44_245N11	T7	11	28460230	28460264	28.46	1.00E-07	LOC341010
CL370487	RP44_295F22	T7	11	28709525	28709919	28.71	2.00E-67	NA
CL330133	CH242_3M8	SP6	11	28720199	28720348	28.72	2.00E-18	NA
CL371543	RP44_302J12	SP6	11	28757489	28757831	28.76	8.00E-92	NA
CL347768	RP44_273G3	SP6	11	28865671	28866147	28.87	3.00E-08	LOC349735
CL379484	RP44_426D20	T7	11	28899781	28900074	28.90	1.00E-16	NA
CL348878	RP44_275I20	SP6	11	29049713	29050542	29.05	3.00E-11	NA
CL322623	RP44_416C14	T7	11	29112968	29113010	29.11	2.00E-07	NA
CL328801	RP44_373F4	T7	11	29126462	29126540	29.13	5.00E-07	NA
CL369605	RP44_292G19	T7	11	29169619	29169678	29.17	3.00E-17	NA
CL328802	RP44_373F4	SP6	11	29268888	29268969	29.27	2.00E-18	LOC255576
CL320922	CH242_15E19	SP6	11	29275543	29276063	29.28	e-100	LOC255576
CL380486	RP44_429O3	SP6	11	29305329	29312909	29.31	4.00E-41	LOC255576
CL352641	RP44_401P5	T7	11	29316254	29316465	29.32	4.00E-40	LOC255576
CL353208	RP44_402F5	SP6	11	29352631	29352766	29.35	2.00E-12	NA
CL366424	RP44_358L20	SP6	11	29383187	29383340	29.38	3.00E-17	NA
CL369595	RP44_292E17	T7	11	29716532	29717418	29.72	2.00E-17	NA
CL379175	RP44_426K17	SP6	11	29717698	29717909	29.72	3.00E-11	NA
CL326049	RP44_242F2	SP6	11	29717852	29717909	29.72	2.00E-11	NA
CL379261	RP44_426A6	SP6	11	29717852	29717909	29.72	2.00E-11	NA
CL324936	RP44_478H6	T7	11	29979388	29979524	29.98	7.00E-18	NA
CL369661	RP44_292E17	SP6	11	29985775	29986276	29.99	6.00E-80	NA
CL377133	RP44_449A4	SP6	11	30004024	30004274	30.00	5.00E-72	NA
CL361231	RP44_344N4	SP6	11	30021223	30021342	30.02	5.00E-36	NA
CL324937	RP44_478H6	SP6	11	30150450	30150635	30.15	6.00E-09	NA
CL411949	RP44_430G16	T7	11	30233272	30233729	30.23	3.00E-29	LOC341015
CL332701	CH242_12K2	T7	11	30461321	30461372	30.46	1.00E-07	NA
CL342648	RP44_262B13	SP6	11	30472832	30473415	30.47	3.00E-63	C11orf8
CL341338	RP44_260H19	T7	11	30507348	30507426	30.51	2.00E-14	C11orf8
CL348463	RP44_274H6	T7	11	30527429	30527896	30.53	2.00E-06	C11orf8
CL411617	RP44_422K20	SP6	11	30607271	30607319	30.61	1.00E-15	C11orf8
CL409738	RP44_417D16	SP6	11	30617756	30617813	30.62	8.00E-07	C11orf8
CL354435	RP44_406P5	SP6	11	30617971	30618167	30.62	6.00E-18	C11orf8
CL358294	RP44_414F7	T7	11	30658872	30659168	30.66	6.00E-15	LOC341017
CL341416	RP44_260H19	SP6	11	30698923	30699302	30.70	8.00E-69	LOC341017
CL322900	RP44_437A18	SP6	11	30715722	30716044	30.72	5.00E-74	LOC341017
CL333851	RP44_250N5	T7	11	30941819	30942207	30.94	5.00E-28	KIAA1493
CL410895	RP44_420K3	T7	11	30987108	30987184	30.99	8.00E-11	NA
CL346256	RP44_270K21	SP6	11	31088199	31088389	31.09	3.00E-11	LOC341018
CL328396	RP44_248H1	T7	11	31176986	31177098	31.18	7.00E-09	NA
CL410977	RP44_420K3	SP6	11	31220928	31221332	31.22	2.00E-08	NA
CL356494	RP44_411J5	T7	11	31306331	31306515	31.31	9.00E-14	NA
CL390162	RP44_288A21	SP6	11	31311902	31311958	31.31	8.00E-11	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL328472	RP44_248H1	SP6	11	31349088	31349562	31.35	7.00E-15	NA
CL350137	RP44_310E6	SP6	11	31349817	31350354	31.35	1.00E-25	NA
CL410058	RP44_418G16	SP6	11	31619657	31619824	31.62	3.00E-25	ELP4
CL382680	RP44_325A13	T7	11	31654453	31654779	31.65	3.00E-11	ELP4
CL408465	RP44_415O10	SP6	11	31654749	31655021	31.65	5.00E-06	ELP4
CL368027	RP44_288I20	SP6	11	31657408	31657464	31.66	6.00E-06	ELP4
CL363051	RP44_383E11	SP6	11	31686950	31687035	31.69	8.00E-18	ELP4
CL322106	RP44_399N9	T7	11	31717023	31717194	31.72	8.00E-39	ELP4
CL323404	RP44_458M13	SP6	11	31723522	31723876	31.72	2.00E-33	ELP4
CL365822	RP44_356M3	T7	11	31723522	31723876	31.72	2.00E-33	ELP4
CL411283	RP44_420L17	SP6	11	31730545	31730593	31.73	4.00E-06	ELP4
CL324822	RP44_478D19	SP6	11	31817782	31817949	31.82	2.00E-16	ELP4
CL350043	RP44_310A20	T7	11	31847557	31848013	31.85	7.00E-21	NA
CL376932	RP44_449K11	T7	11	31851379	31851636	31.85	2.00E-82	PAX6
CL358824	RP44_415O10	T7	11	31868357	31868841	31.87	3.00E-69	PAX6
CL356305	RP44_411G19	SP6	11	31953827	31953870	31.95	6.00E-08	NA
CL323218	RP44_457F4	SP6	11	32056064	32056504	32.06	2.00E-14	NA
CL410420	RP44_419G5	SP6	11	32316137	32316444	32.32	1.00E-12	LOC338650
CL338265	RP44_265H6	SP6	11	32335243	32335377	32.34	3.00E-17	LOC338650
CL338484	RP44_266C14	T7	11	32405486	32405671	32.41	7.00E-20	LOC338650
CL349797	RP44_309P16	T7	11	32441004	32441061	32.44	6.00E-09	NA
CL366901	RP44_363C17	T7	11	32613384	32613491	32.61	4.00E-16	LOC349740
CL370097	RP44_294D7	T7	11	32714271	32714421	32.71	9.00E-08	LOC160218
CL331615	CH242_8M1	SP6	11	32742344	32742896	32.74	2.00E-24	LOC349741
CL340134	RP44_257C9	T7	11	32784843	32785271	32.79	2.00E-06	LOC349741
CL331671	CH242_8J3	T7	11	32849073	32849137	32.85	9.00E-11	NA
CL383067	RP44_325P13	T7	11	32886748	32886928	32.89	1.00E-06	NA
CL364771	RP44_398L9	SP6	11	32917207	32917377	32.92	4.00E-10	NA
CL383155	RP44_325P13	SP6	11	33092957	33093090	33.09	6.00E-09	LOC91614
CL364691	RP44_398L9	T7	11	33133179	33133363	33.13	9.00E-42	FLJ11336
CL361972	RP44_353M3	SP6	11	33138182	33139110	33.14	2.00E-09	FLJ11336
CL344586	RP44_278B16	SP6	11	33332314	33332355	33.33	1.00E-06	NA
CL334307	RP44_251K24	T7	11	33401649	33401834	33.40	2.00E-61	HIPK3
CL354172	RP44_405J16	T7	11	33408585	33408962	33.41	e-148	HIPK3
CL370814	RP44_300M21	SP6	11	33465853	33465888	33.47	9.00E-08	LOC349742
CL329255	RP44_386D12	SP6	11	33535970	33536030	33.54	2.00E-06	LOC347877
CL359513	RP44_336P14	SP6	11	33580093	33580183	33.58	1.00E-06	NA
CL341783	RP44_261A22	T7	11	33580093	33580183	33.58	2.00E-06	NA
CL349800	RP44_309P22	T7	11	33591793	33592378	33.59	5.00E-21	NA
CL354966	RP44_408H19	SP6	11	33592547	33592606	33.59	4.00E-10	NA
CL378773	RP44_425K13	T7	11	33611699	33611971	33.61	3.00E-82	G2
CL382887	RP44_325K16	T7	11	33895650	33895767	33.90	7.00E-15	NA
CL364016	RP44_393G8	SP6	11	34009959	34010173	34.01	2.00E-20	NA
CL378440	RP44_424G22	SP6	11	34058269	34058718	34.06	3.00E-11	NA
CL341721	RP44_261E19	SP6	11	34064385	34064447	34.06	3.00E-14	NA
CL351443	RP44_312L14	SP6	11	34223370	34223510	34.22	4.00E-56	DKFZP586C1619
CL341646	RP44_261E19	T7	11	34241910	34242159	34.24	2.00E-46	DKFZP586C1619
CL330490	CH242_4E3	T7	11	34260868	34260986	34.26	3.00E-06	DKFZP586C1619
CL383470	RP44_326M12	SP6	11	34351567	34351976	34.35	7.00E-61	DKFZP586C1619
CL381185	RP44_314N22	SP6	11	34532063	34532136	34.53	2.00E-11	CAT
CL375549	RP44_471P18	T7	11	34955581	34955628	34.96	3.00E-10	MMRP19
CL412521	RP44_431I21	SP6	11	35017060	35017388	35.02	8.00E-27	PDX1
CL340419	RP44_257O12	SP6	11	35138429	35138580	35.14	1.00E-12	NA
CL326597	RP44_243J20	SP6	11	35142978	35143409	35.14	4.00E-10	NA
CL325907	RP44_242M14	SP6	11	35270631	35270840	35.27	2.00E-30	CD44
CL340711	RP44_258B15	T7	11	35342292	35342497	35.34	9.00E-29	SLC1A2
CL321696	CH242_13M8	SP6	11	35375631	35375791	35.38	9.00E-26	SLC1A2
CL325733	RP44_242M13	T7	11	35465478	35465684	35.47	4.00E-15	SLC1A2
CL337781	RP44_265G15	SP6	11	35716103	35716405	35.72	2.00E-70	LOC349744
CL346874	RP44_271H23	SP6	11	35716103	35716405	35.72	1.00E-70	LOC349744
CL375471	RP44_471P13	SP6	11	35716103	35716405	35.72	2.00E-70	LOC349744
CL387221	RP44_281O11	T7	11	35716109	35716405	35.72	2.00E-55	LOC349744
CL375389	RP44_471P13	T7	11	35899506	35899575	35.90	2.00E-11	LOC349745
CL360612	RP44_340F4	T7	11	35932244	35932294	35.93	4.00E-07	LOC349746
CL387293	RP44_281O11	SP6	11	35954722	35955025	35.95	9.00E-20	LOC349746

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL372241	RP44_305H11	T7	11	36013070	36013442	36.01	4.00E-19	LOC143458
CL363458	RP44_388P17	T7	11	36013125	36013442	36.01	4.00E-19	LOC143458
CL322479	RP44_405B5	SP6	11	36063653	36063743	36.06	2.00E-08	LOC143458
CL326274	RP44_243A20	T7	11	36131119	36131185	36.13	4.00E-07	LOC143458
CL363524	RP44_388P17	SP6	11	36198317	36198391	36.20	2.00E-09	LOC143458
CL347246	RP44_272A24	T7	11	36364467	36364571	36.36	5.00E-25	FLJ14213
CL325762	RP44_242C19	SP6	11	36374201	36374258	36.37	6.00E-09	FLJ14213
CL353769	RP44_403P11	SP6	11	36567128	36567337	36.57	4.00E-06	TRAF6
CL385617	RP44_332K19	T7	11	36763467	36763505	36.76	3.00E-07	NA
CL353546	RP44_403I12	T7	11	36773019	36773482	36.77	4.00E-19	NA
CL389504	RP44_286J20	T7	11	36834651	36834749	36.83	2.00E-17	NA
CL382005	RP44_323I18	T7	11	36980072	36980736	36.98	1.00E-16	NA
CL334795	RP44_252E15	SP6	11	37171047	37171352	37.17	1.00E-09	NA
CL349329	RP44_309M17	T7	11	37178287	37178595	37.18	1.00E-13	NA
CL369464	RP44_291E14	T7	11	37236730	37236942	37.24	6.00E-24	NA
CL410608	RP44_419J23	T7	11	37392800	37393019	37.39	9.00E-08	NA
CL377176	RP44_449I2	SP6	11	37535593	37535875	37.54	1.00E-09	LOC341241
CL332319	CH242_10D9	T7	11	37570237	37570327	37.57	8.00E-09	LOC341241
CL379499	RP44_426H4	T7	11	37614751	37614829	37.61	4.00E-07	LOC341241
CL347801	RP44_273M5	SP6	11	37634690	37635208	37.63	2.00E-27	NA
CL320784	CH242_13M23	SP6	11	37693443	37693660	37.69	3.00E-14	NA
CL333428	RP44_249N12	T7	11	37906668	37906723	37.91	3.00E-10	LOC341242
CL344490	RP44_278N21	SP6	11	38182471	38182534	38.18	4.00E-10	NA
CL367880	RP44_374D19	T7	11	38365883	38365924	38.37	1.00E-06	NA
CL367938	RP44_374D19	SP6	11	38507348	38507388	38.51	6.00E-06	NA
CL409290	RP44_417M19	T7	11	39052652	39052823	39.05	5.00E-10	LOC349747
CL342642	RP44_262P23	T7	11	39072403	39072649	39.07	3.00E-69	LOC349747
CL410471	RP44_419E18	T7	11	39275005	39275195	39.28	8.00E-17	LOC341245
CL366650	RP44_362N13	T7	11	39548980	39549069	39.55	8.00E-14	NA
CL346472	RP44_270H8	T7	11	40036713	40037023	40.04	2.00E-30	NA
CL384468	RP44_329A9	SP6	11	40084529	40084574	40.08	2.00E-06	NA
CL328601	RP44_248P12	T7	11	40108815	49490229	44.80	3.00E-17	NA
CL354842	RP44_408B5	T7	11	40256638	40256714	40.26	7.00E-06	KIAA1580
CL411952	RP44_430G24	T7	11	40278888	40279005	40.28	4.00E-23	KIAA1580
CL333095	RP44_248P12	SP6	11	40278888	40279155	40.28	1.00E-25	KIAA1580
CL322437	RP44_404L22	T7	11	40349236	40349321	40.35	3.00E-23	KIAA1580
CL386542	RP44_334I12	SP6	11	40357008	40357508	40.36	2.00E-12	NA
CL412035	RP44_430G24	SP6	11	40453877	40454387	40.45	2.00E-36	NA
CL360152	RP44_338N16	SP6	11	40693625	40693709	40.69	3.00E-20	NA
CL346358	RP44_270P21	T7	11	41107510	41107589	41.11	8.00E-15	NA
CL377403	RP44_449F10	T7	11	41387573	41387955	41.39	7.00E-24	LOC349748
CL361435	RP44_350H14	T7	11	41521961	41521995	41.52	1.00E-09	NA
CL328616	RP44_248D8	SP6	11	41564528	41564601	41.56	2.00E-06	NA
CL412820	RP44_431B21	SP6	11	42323787	42324031	42.32	8.00E-27	NA
CL380500	RP44_429A12	T7	11	42342408	43872979	43.11	4.00E-06	HSD17B12
CL380209	RP44_428L18	T7	11	42403651	42403813	42.40	1.00E-19	NA
CL377862	RP44_457B5	T7	11	42476370	42476713	42.48	4.00E-35	NA
CL323115	RP44_457B5	SP6	11	42624250	42624510	42.62	1.00E-70	NA
CL368737	RP44_289N3	T7	11	42634809	42634959	42.63	5.00E-19	NA
CL380300	RP44_428L18	SP6	11	42638111	42638616	42.64	3.00E-48	NA
CL332121	CH242_10O11	SP6	11	42817294	42817734	42.82	2.00E-92	NA
CL387830	RP44_283K17	T7	11	42961558	42961912	42.96	5.00E-25	NA
CL360969	RP44_343O3	SP6	11	43111398	43111488	43.11	3.00E-07	NA
CL350230	RP44_310H9	T7	11	43135024	43135111	43.14	1.00E-07	NA
CL380912	RP44_314H23	T7	11	43281217	43281345	43.28	7.00E-18	LOC349751
CL350306	RP44_310H9	SP6	11	43419657	43420240	43.42	7.00E-52	FLJ10890
CL389948	RP44_287F18	T7	11	43439895	43440058	43.44	4.00E-44	FLJ10890
CL370283	RP44_295O5	T7	11	43477878	43477985	43.48	7.00E-08	FLJ10890
CL349834	RP44_309H12	SP6	11	43555508	43555666	43.56	1.00E-19	FLJ10890
CL383098	RP44_325F5	SP6	11	43816158	43816236	43.82	3.00E-14	HSD17B12
CL332657	CH242_12A24	T7	11	43823061	43823380	43.82	6.00E-09	HSD17B12
CL332745	CH242_12A24	SP6	11	44053253	44053426	44.05	4.00E-07	LOC341254
CL333014	CH242_12J14	SP6	11	44279305	44279399	44.28	4.00E-07	EXT2
CL382476	RP44_324E17	SP6	11	44392202	44392283	44.39	6.00E-09	NA
CL366938	RP44_363M3	T7	11	44412184	44412243	44.41	8.00E-08	NA

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CL361206	RP44_344H12	SP6	11	44720357	44720399	44.72	3.00E-07	NA
CL334189	RP44_251C17	SP6	11	44814753	44815234	44.81	4.00E-50	NA
CL361135	RP44_344H12	T7	11	44910127	44910183	44.91	5.00E-06	LOC347883
CL327170	RP44_245I23	SP6	11	45246454	45246522	45.25	2.00E-06	PRDM11
CL380495	RP44_429A2	T7	11	45460841	45460907	45.46	5.00E-12	LOC341255
CL385456	RP44_330L12	T7	11	45986606	45986979	45.99	0	BHC80
CL414362	RP44_436L3	T7	11	46148221	46148578	46.15	2.00E-08	BHC80
CL382857	RP44_325E14	T7	11	46323693	46323955	46.32	8.00E-23	NA
CL340535	RP44_257L1	SP6	11	46345340	46345475	46.35	1.00E-27	OASIS
CL377765	RP44_457O8	T7	11	46345340	46345475	46.35	2.00E-27	OASIS
CL355696	RP44_410K13	SP6	11	46461003	46461117	46.46	6.00E-17	FLJ20294
CL340388	RP44_257I10	SP6	11	46484008	46484284	46.48	3.00E-99	FLJ20294
CL332169	CH242_10G14	T7	11	46600260	46600476	46.60	9.00E-85	FLJ20294
CL386137	RP44_332P24	SP6	11	46668711	46668842	46.67	2.00E-26	FLJ32675
CL334728	RP44_252G19	T7	11	46669515	46669875	46.67	2.00E-21	FLJ32675
CL339769	RP44_256C17	SP6	11	46753580	46753885	46.75	3.00E-41	ARHGAP1
CL349313	RP44_309K9	T7	11	46812077	46812480	46.81	3.00E-63	ch-TOG
CL367008	RP44_363M9	SP6	11	47044390	47044841	47.04	3.00E-41	MGC4707
CL344239	RP44_278M16	T7	11	47095843	47095932	47.10	3.00E-11	MGC4707
CL346030	RP44_269H21	T7	11	47142189	47142630	47.14	3.00E-13	MGC4707
CL408914	RP44_416K13	SP6	11	47148098	47148161	47.15	7.00E-15	MGC4707
CL320583	CH242_10L8	T7	11	47324006	47324397	47.32	5.00E-49	MADD
CL346111	RP44_269H21	SP6	11	47334725	47334861	47.33	2.00E-48	MADD
CL375937	RP44_441F21	T7	11	47577498	47577897	47.58	1.00E-30	CUGBP1
CL337599	RP44_264D10	SP6	11	47596951	47597000	47.60	6.00E-09	CUGBP1
CL368029	RP44_288I24	SP6	11	47652683	47652836	47.65	4.00E-42	NA
CL367130	RP44_364G15	SP6	11	47787182	47787483	47.79	2.00E-40	FBNP4
CL344640	RP44_278N8	SP6	11	47868635	47868735	47.87	2.00E-23	NUP160
CL337529	RP44_264D10	T7	11	47868636	47868681	47.87	8.00E-14	NUP160
CL351032	RP44_311L6	T7	11	48206948	48207054	48.21	8.00E-36	PTPRJ
CL361350	RP44_350E19	SP6	11	48406424	50085223	49.25	2.00E-08	LOC347891
CL361275	RP44_350E19	T7	11	48406424	50085223	49.25	3.00E-08	LOC347891
CL353556	RP44_403K16	T7	11	48543019	49973459	49.26	6.00E-06	NA
CL373410	RP44_308P19	T7	11	55525091	55525139	55.53	2.00E-08	LOC349664
CL331711	CH242_8P19	T7	11	55526419	55526688	55.53	2.00E-61	LOC349664
CL382805	RP44_325K1	SP6	11	55531420	55531478	55.53	4.00E-07	NA
CL414378	RP44_436N17	T7	11	55692093	55692347	55.69	1.00E-10	LOC219432
CL380834	RP44_314I8	SP6	11	55827413	55843218	55.84	5.00E-06	NA
CL322495	RP44_405D13	T7	11	55829998	56794390	56.31	1.00E-39	OR5G1P
CL385275	RP44_330D5	T7	11	55932048	58127171	57.03	3.00E-88	LOC219953
CL352127	RP44_313P14	SP6	11	55932301	55932738	55.93	5.00E-65	LOC219443
CL387173	RP44_281E15	T7	11	56049095	56049665	56.05	2.00E-95	LOC219447
CL381637	RP44_316E7	SP6	11	56112510	59462421	57.79	4.00E-22	LOC219982
CL343773	RP44_277K8	T7	11	56206991	59522310	57.86	2.00E-12	LOC219986
CL349753	RP44_309F24	T7	11	56654935	56655106	56.66	2.00E-15	NA
CL440127	RP44_299P6	T7	11	56718787	56770128	56.74	3.00E-81	NA
CL333354	RP44_249M14	SP6	11	57351717	57351854	57.35	7.00E-35	SSRP1
CL410538	RP44_419I8	SP6	11	57428277	57428449	57.43	4.00E-56	PRG2
CL333803	RP44_250B23	T7	11	57428277	57428449	57.43	2.00E-58	PRG2
CL333302	RP44_249M14	T7	11	57451179	57451455	57.45	9.00E-60	LOC349667
CL387108	RP44_280J6	SP6	11	57816945	57817063	57.82	2.00E-11	CTNND1
CL345826	RP44_280J6	T7	11	58001440	58001495	58.00	8.00E-08	NA
CL339778	RP44_256E19	SP6	11	58236914	58236981	58.24	8.00E-08	NA
CL324644	RP44_476G2	SP6	11	58336062	58457699	58.40	3.00E-19	LOC219967
CL324643	RP44_476G2	T7	11	58594047	58594429	58.59	1.00E-49	LPXN
CL380102	RP44_428J1	SP6	11	58598983	58599093	58.60	4.00E-20	ZFP91
CL341577	RP44_260J6	SP6	11	58658744	58658952	58.66	3.00E-19	LOC349670
CL341420	RP44_260J7	SP6	11	58658744	58659060	58.66	3.00E-19	LOC349670
CL341497	RP44_260J6	T7	11	58855446	59017058	58.94	5.00E-37	BXMAS2-10
CL341343	RP44_260J7	T7	11	58855523	59017058	58.94	7.00E-35	BXMAS2-10
CL371980	RP44_304P18	T7	11	58956149	58956193	58.96	5.00E-06	LOC283194
CL372062	RP44_304P18	SP6	11	59328814	59352417	59.34	2.00E-24	LOC219976
CL413020	RP44_431J18	SP6	11	59437102	59437154	59.44	4.00E-06	NA
CL373898	RP44_469O6	T7	11	59437102	59437154	59.44	5.00E-06	NA
CL409901	RP44_418G13	T7	11	59636034	59636124	59.64	1.00E-08	NA

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CL337808	RP44_265M15	SP6	11	59685395	59685790	59.69	1.00E-09	FLJ36874
CL372135	RP44_305O7	T7	11	59874250	59874312	59.87	1.00E-09	TCN1
CL378081	RP44_422P16	SP6	11	60414971	60415085	60.42	5.00E-31	NYD-SP21
CL372605	RP44_306N11	T7	11	60930272	60930350	60.93	4.00E-17	NA
CL369740	RP44_292G14	SP6	11	61430018	61430298	61.43	9.00E-88	FLJ12529
CL353914	RP44_405C15	T7	11	61438780	61438973	61.44	1.00E-94	FLJ12529
CL323575	RP44_458B2	T7	11	61447667	61447856	61.45	3.00E-15	FLJ12529
CL332711	CH242_12K22	T7	11	61637504	61637664	61.64	8.00E-45	RPLPOP2
CL323576	RP44_458B2	SP6	11	61647038	61647196	61.65	2.00E-15	RPLPOP2
CL326651	RP44_244G21	T7	11	61757817	61758308	61.76	3.00E-78	C11orf11
CL345084	RP44_279J11	SP6	11	62480219	62480365	62.48	8.00E-17	MGC5395
CL323939	RP44_463O15	T7	11	62731121	62731481	62.73	3.00E-59	NA
CL357942	RP44_413J8	SP6	11	63921461	63921651	63.92	1.00E-22	MARK2
CL359627	RP44_337K15	SP6	11	63924977	63925159	63.93	5.00E-12	MARK2
CL357857	RP44_413J8	T7	11	64136139	64136641	64.14	0	LRP16
CL410167	RP44_418B16	T7	11	64150901	64151169	64.15	9.00E-29	LRP16
CL362627	RP44_380K7	SP6	11	64282871	64283068	64.28	9.00E-14	PLCB3
CL332683	CH242_12G12	T7	11	64684746	64685009	64.68	6.00E-67	NRXN2
CL361339	RP44_350C19	SP6	11	65375136	65375261	65.38	5.00E-40	TIGD3
CL361265	RP44_350C19	T7	11	65375136	65375261	65.38	5.00E-40	TIGD3
CL364948	RP44_400G4	T7	11	65980435	65980499	65.98	4.00E-06	SART1
CL367336	RP44_367I16	T7	11	66026094	66026157	66.03	4.00E-10	NA
CL336227	RP44_255B11	SP6	11	66380863	66380978	66.38	2.00E-23	SLC29A2
CL323021	RP44_455D20	T7	11	66566533	66566598	66.57	1.00E-06	ACTN3
CL379966	RP44_428M10	SP6	11	66845702	66845847	66.85	3.00E-35	FLJ22531
CL379719	RP44_428O11	T7	11	66939473	66939592	66.94	3.00E-08	PC
CL372360	RP44_305P3	SP6	11	67296872	67297186	67.30	5.00E-30	ADRBK1
CL350791	RP44_311K8	SP6	11	67361669	67361731	67.36	1.00E-09	NA
CL386220	RP44_333C12	SP6	11	67374218	67374538	67.37	2.00E-14	NA
CL412875	RP44_431N11	SP6	11	67472094	67472188	67.47	1.00E-09	CABP4
CL339412	RP44_268N14	T7	11	67517062	67517332	67.52	7.00E-38	PITPNM
CL350714	RP44_311K8	T7	11	67517062	67517332	67.52	5.00E-40	PITPNM
CL323191	RP44_457P17	SP6	11	68015844	68015934	68.02	5.00E-24	UNC93B1
CL324895	RP44_478D4	T7	11	68325887	68326020	68.33	1.00E-09	NA
CL336987	RP44_263D20	SP6	11	69133155	69133271	69.13	2.00E-15	TPCN2
CL382057	RP44_323C14	SP6	11	70142769	70142885	70.14	2.00E-06	NA
CL375684	RP44_436J4	T7	11	70728580	70728678	70.73	6.00E-30	SHANK2
CL366980	RP44_363G3	SP6	11	70728580	70729241	70.73	3.00E-54	SHANK2
CL382670	RP44_324N13	SP6	11	70730149	70730439	70.73	2.00E-13	SHANK2
CL329789	RP44_394N24	T7	11	70730546	70730760	70.73	6.00E-12	SHANK2
CL362219	RP44_375F8	T7	11	71060857	87328258	79.19	2.00E-18	LOC349700
CL413087	RP44_432G19	T7	11	71863792	71864040	71.86	5.00E-13	FLJ11099
CL413174	RP44_432G19	SP6	11	72010696	72010828	72.01	2.00E-15	NUMA1
CL386397	RP44_333H12	SP6	11	72470566	72470963	72.47	2.00E-36	NA
CL412445	RP44_431K3	T7	11	72636643	72636824	72.64	7.00E-64	CENTD2
CL379411	RP44_426F19	SP6	11	72636733	72636824	72.64	3.00E-21	CENTD2
CL371893	RP44_304P7	SP6	11	73377248	73377356	73.38	3.00E-20	KIAA0280
CL371806	RP44_304P7	T7	11	73506696	73507314	73.51	9.00E-36	KIAA0280
CL382161	RP44_323H7	T7	11	73989781	73989814	73.99	1.00E-06	DKFZP586P0123
CL331851	CH242_9M5	T7	11	74076617	74076689	74.08	1.00E-10	NA
CL368570	RP44_289K22	T7	11	74571916	74572087	74.57	4.00E-08	POLD3
CL325953	RP44_242J9	T7	11	74582652	74582839	74.58	3.00E-34	POLD3
CL323587	RP44_458B14	T7	11	74742486	74742832	74.74	1.00E-07	FLJ00225
CL345974	RP44_269K6	SP6	11	75748486	75748672	75.75	2.00E-12	NA
CL376612	RP44_445K21	T7	11	75751027	75751227	75.75	2.00E-20	UVRAG
CL369763	RP44_292K20	SP6	11	76236091	76236351	76.24	7.00E-64	LOC349687
CL342998	RP44_276C7	SP6	11	76244484	76244571	76.24	2.00E-15	LOC349687
CL362703	RP44_380N19	T7	11	76294080	76294122	76.29	3.00E-07	PRKRIR
CL324570	RP44_475N4	T7	11	76326414	76326592	76.33	8.00E-22	LOC283215
CL369832	RP44_292K20	T7	11	76469490	76469753	76.47	1.00E-65	C11ORF30
CL369236	RP44_290M16	T7	11	76625335	76625444	76.63	1.00E-21	NA
CL369248	RP44_290O16	T7	11	76625335	76625444	76.63	2.00E-21	NA
CL369335	RP44_290O16	SP6	11	76811149	76811187	76.81	3.00E-07	PHCA
CL328241	RP44_248G4	T7	11	76826126	76826262	76.83	6.00E-30	PHCA
CL349840	RP44_309J4	SP6	11	76890883	76890969	76.89	4.00E-16	PHCA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL353632	RP44_403M14	SP6	11	77058690	77058790	77.06	4.00E-07	NA
CL369879	RP44_292H10	T7	11	77163890	77163926	77.16	5.00E-06	NA
CL378027	RP44_422D4	SP6	11	77302906	77303605	77.30	1.00E-06	PAK1
CL333425	RP44_249N2	T7	11	77319648	77320089	77.32	4.00E-19	PAK1
CL332947	CH242_12N4	T7	11	78226730	78227159	78.23	7.00E-09	GAB2
CL368278	RP44_288P20	T7	11	78510094	78510249	78.51	2.00E-08	NA
CL357670	RP44_413D19	T7	11	78600762	78600843	78.60	9.00E-07	DKFZP56400423
CL336264	RP44_255J3	SP6	11	78664802	78665033	78.66	1.00E-12	NA
CL389902	RP44_287K22	SP6	11	78674363	78674693	78.67	2.00E-14	NA
CL337990	RP44_265O22	SP6	11	78719668	78719720	78.72	2.00E-15	NA
CL389817	RP44_287K22	T7	11	78862317	78862361	78.86	4.00E-06	NA
CL382441	RP44_324O11	T7	11	78862317	78862361	78.86	4.00E-06	NA
CL337907	RP44_265O22	T7	11	78883825	78884046	78.88	5.00E-53	LOC341157
CL323753	RP44_459D1	SP6	11	78956979	78957434	78.96	6.00E-19	NA
CL327906	RP44_246B6	T7	11	79053630	79432995	79.24	2.00E-20	NA
CL327907	RP44_246B8	T7	11	79053630	79432995	79.24	3.00E-20	NA
CL370031	RP44_293O20	T7	11	79110160	79110430	79.11	2.00E-88	LOC349689
CL332408	CH242_10D19	SP6	11	79203441	79203688	79.20	8.00E-79	LOC349689
CL389723	RP44_287I3	SP6	11	79212566	79212617	79.21	5.00E-15	LOC349689
CL328048	RP44_246N14	SP6	11	79308808	79308996	79.31	1.00E-34	NA
CL332323	CH242_10D19	T7	11	79371598	79371672	79.37	1.00E-21	LOC341159
CL389650	RP44_287I3	T7	11	79379397	79379756	79.38	4.00E-07	LOC341159
CL412822	RP44_431D3	SP6	11	79929610	79929755	79.93	2.00E-18	LOC338698
CL352634	RP44_401N11	T7	11	79990972	79991406	79.99	e-132	NA
CL412742	RP44_431D3	T7	11	80081011	80081061	80.08	2.00E-12	LOC349692
CL336762	RP44_263F19	T7	11	80128273	80128779	80.13	6.00E-77	LOC349692
CL352712	RP44_401N11	SP6	11	80159406	80159460	80.16	7.00E-09	LOC349692
CL368709	RP44_289H11	T7	11	80214962	80215333	80.22	7.00E-15	LOC349693
CL366829	RP44_362D22	SP6	11	80384949	80385515	80.39	1.00E-93	NA
CL344253	RP44_278O20	T7	11	80476577	80476883	80.48	3.00E-51	NA
CL358604	RP44_415E3	T7	11	81345576	81346003	81.35	2.00E-92	NA
CL352923	RP44_402G9	T7	11	81394280	81394454	81.39	1.00E-25	NA
CL365532	RP44_353P12	SP6	11	81690890	81690921	81.69	8.00E-06	NA
CL364222	RP44_396M21	SP6	11	81993994	81994406	81.99	9.00E-85	LOC341163
CL382914	RP44_325A12	SP6	11	82135486	82135586	82.14	2.00E-08	NA
CL356217	RP44_411C15	T7	11	82164344	82164477	82.16	1.00E-09	NA
CL382837	RP44_325A12	T7	11	82166762	82167151	82.17	8.00E-36	NA
CL332907	CH242_12F6	T7	11	82203484	82203637	82.20	4.00E-07	NA
CL333222	RP44_249I15	SP6	11	82294768	82294821	82.29	1.00E-13	LOC341164
CL340701	RP44_257P12	SP6	11	82372122	82372205	82.37	9.00E-08	LOC341164
CL382346	RP44_323N4	SP6	11	82475636	82475749	82.48	5.00E-21	LOC349697
CL387396	RP44_281C20	SP6	11	82508900	82509406	82.51	3.00E-39	NA
CL377754	RP44_457M10	T7	11	82799810	82799942	82.80	1.00E-06	PRCP
CL353225	RP44_402J15	SP6	11	82907275	82907344	82.91	2.00E-08	NA
CL323558	RP44_458O6	SP6	11	82920337	82920848	82.92	2.00E-06	RAB30
CL413135	RP44_432A13	SP6	11	82925656	82926072	82.93	7.00E-09	RAB30
CL372694	RP44_306N19	SP6	11	83096859	83096995	83.10	5.00E-09	PCF11
CL340709	RP44_258B11	T7	11	83518701	83518779	83.52	1.00E-06	DLG2
CL340676	RP44_257J20	SP6	11	83875026	83875085	83.88	5.00E-06	DLG2
CL331665	CH242_8H11	T7	11	83906480	83906820	83.91	2.00E-15	DLG2
CL340599	RP44_257J20	T7	11	84067117	84067195	84.07	3.00E-07	DLG2
CL439783	RP44_297B2	T7	11	84197327	84197363	84.20	5.00E-06	DLG2
CL365125	RP44_400L15	T7	11	84301738	84301878	84.30	2.00E-27	DLG2
CL366246	RP44_358D17	SP6	11	84323463	84323925	84.32	9.00E-85	DLG2
CL355549	RP44_409F18	SP6	11	84432476	84432517	84.43	1.00E-06	DLG2
CL389396	RP44_286D23	SP6	11	84546769	84547069	84.55	3.00E-51	DLG2
CL348251	RP44_274M7	SP6	11	84647497	84647562	84.65	6.00E-09	DLG2
CL348260	RP44_274O7	SP6	11	84647497	84647562	84.65	6.00E-09	DLG2
CL347653	RP44_272L16	SP6	11	84650670	84650785	84.65	2.00E-10	DLG2
CL368020	RP44_375I7	T7	11	84659230	84659301	84.66	3.00E-12	DLG2
CL356621	RP44_411J2	T7	11	84771183	84771306	84.77	2.00E-23	DLG2
CL362173	RP44_375I7	SP6	11	84851760	84851862	84.85	2.00E-11	DLG2
CL388508	RP44_284H20	SP6	11	84855662	84855877	84.86	9.00E-81	DLG2
CL345277	RP44_279P16	SP6	11	84872674	84872747	84.87	1.00E-09	LOC349698
CL375172	RP44_471E14	T7	11	85020262	85020318	85.02	4.00E-06	NA

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CL369255	RP44_290A8	SP6	11	85087480	85087837	85.09	2.00E-18	LOC143548
CL345196	RP44_279P16	T7	11	85118494	85119028	85.12	e-145	LOC143548
CL352023	RP44_313L12	T7	11	85377330	85377594	85.38	3.00E-17	NA
CL329025	RP44_382L13	SP6	11	85383283	85383410	85.38	3.00E-08	NA
CL341294	RP44_260O3	T7	11	85517256	85517318	85.52	3.00E-19	LOC341169
CL348360	RP44_274B17	SP6	11	85652659	85653239	85.65	0	SYTL2
CL374384	RP44_470O7	T7	11	85743745	85744022	85.74	3.00E-16	SYTL2
CL378159	RP44_423E14	SP6	11	85945874	85946134	85.95	8.00E-73	PICALM
CL370668	RP44_296O5	T7	11	86054728	86054879	86.05	2.00E-48	NA
CL359977	RP44_338L3	T7	11	86353649	86353788	86.35	2.00E-36	FLJ23514
CL341931	RP44_261M18	SP6	11	86521729	86521765	86.52	7.00E-06	ME3
CL360879	RP44_343I1	T7	11	86699702	86699752	86.70	2.00E-07	NA
CL389427	RP44_286J23	SP6	11	86729803	86729934	86.73	1.00E-15	NA
CL325723	RP44_242K7	T7	11	86821982	86822027	86.82	3.00E-09	SPUVE
CL414331	RP44_436D19	T7	11	86826182	86826232	86.83	4.00E-07	SPUVE
CL334952	RP44_252I20	SP6	11	86889897	86890039	86.89	9.00E-62	NA
CL384002	RP44_327B22	SP6	11	86912986	86913386	86.91	e-120	NA
CL389348	RP44_286J23	T7	11	86967016	86967575	86.97	4.00E-06	NA
CL365523	RP44_353N16	SP6	11	86968121	86968292	86.97	7.00E-09	NA
CL365441	RP44_353N16	T7	11	87156590	87156648	87.16	2.00E-09	FLJ22104
CL383235	RP44_325P8	T7	11	87158139	87158432	87.16	5.00E-43	FLJ22104
CL388563	RP44_285C19	T7	11	87387758	87387831	87.39	7.00E-09	LOC349702
CL388727	RP44_285E18	T7	11	87387758	87387831	87.39	6.00E-09	LOC349702
CL411757	RP44_430C3	T7	11	87660097	87660517	87.66	1.00E-10	LOC341172
CL386029	RP44_332H14	T7	11	88106705	88106939	88.11	7.00E-67	LOC341178
CL343588	RP44_277C3	T7	11	88195034	88195541	88.20	1.00E-28	LOC341178
CL411296	RP44_420N21	SP6	11	88213763	88213988	88.21	6.00E-46	CTSC
CL376044	RP44_443G1	T7	11	88613047	88613206	88.61	3.00E-08	GRM5
CL368980	RP44_289N4	SP6	11	88620774	88620887	88.62	1.00E-13	GRM5
CL321517	CH242_20N12	T7	11	88659745	88659807	88.66	2.00E-16	GRM5
CL413964	RP44_435F1	T7	11	89101851	89101947	89.10	5.00E-18	TYR
CL344563	RP44_278N12	T7	11	89361545	89361960	89.36	1.00E-81	NOX4
CL354291	RP44_406A3	SP6	11	90244983	90245031	90.25	5.00E-11	LOC349714
CL410239	RP44_418P10	T7	11	90748327	90748441	90.75	2.00E-09	LOC341191
CL328308	RP44_248C16	SP6	11	90781987	90782509	90.78	1.00E-22	LOC341191
CL341523	RP44_260N14	T7	11	91167824	91167925	91.17	2.00E-08	LOC341192
CL341604	RP44_260N14	SP6	11	91444835	91444924	91.44	1.00E-06	NA
CL341221	RP44_260O15	SP6	11	91444835	91444924	91.44	1.00E-06	NA
CL363034	RP44_383A15	SP6	11	91552263	91552358	91.55	7.00E-15	NA
CL362024	RP44_353H17	T7	11	91680701	91681252	91.68	1.00E-50	NA
CL333780	RP44_250M18	SP6	11	91683913	91684017	91.68	7.00E-18	NA
CL332447	CH242_10L21	SP6	11	92003981	92004048	92.00	2.00E-12	LOC341194
CL325676	RP44_241P4	SP6	11	92045531	92045692	92.05	7.00E-33	NA
CL325608	RP44_241P4	T7	11	92231705	92231979	92.23	4.00E-13	NA
CL346909	RP44_271P9	SP6	11	92307198	92307261	92.31	2.00E-08	LOC341198
CL353497	RP44_403M7	SP6	11	92415030	92415090	92.42	7.00E-11	NA
CL357679	RP44_413F17	T7	11	92487244	92487680	92.49	2.00E-34	LOC349715
CL353446	RP44_403M7	T7	11	92592574	92592723	92.59	2.00E-14	NA
CL336025	RP44_255I1	T7	11	92674962	92675205	92.68	2.00E-17	NA
CL342773	RP44_262J14	T7	11	92792011	92792833	92.79	1.00E-09	FAT3
CL377285	RP44_449N23	T7	11	93082554	93082622	93.08	2.00E-08	FLJ38932
CL388602	RP44_285K15	T7	11	93298813	93299141	93.30	4.00E-38	FLJ25393
CL412811	RP44_431P23	T7	11	93571029	93571086	93.57	3.00E-11	NA
CL367968	RP44_374J23	SP6	11	93585330	93585512	93.59	3.00E-62	NA
CL375809	RP44_436P22	SP6	11	93585354	93585755	93.59	4.00E-47	NA
CL380282	RP44_428J6	SP6	11	93619180	93619636	93.62	6.00E-09	NA
CL358736	RP44_415M19	SP6	11	93648740	93648796	93.65	7.00E-18	MGC5306
CL383740	RP44_327K13	SP6	11	93672895	93673110	93.67	9.00E-70	PTD012
CL374233	RP44_469B8	SP6	11	94030085	94030527	94.03	2.00E-45	NA
CL412554	RP44_431O23	SP6	11	94093176	94093259	94.09	1.00E-07	PANX1
CL342054	RP44_261J21	SP6	11	94411626	94411692	94.41	1.00E-09	FLJ20189
CL355348	RP44_409L1	T7	11	94460788	94461157	94.46	2.00E-06	LOC341210
CL351986	RP44_313F2	T7	11	95047310	95047666	95.05	1.00E-10	KIAA0830
CL412424	RP44_431E17	T7	11	95095409	95095562	95.10	3.00E-35	MGC29667
CL375719	RP44_436P12	T7	11	95115628	95115726	95.12	8.00E-11	MGC29667

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL383526	RP44_326L4	T7	11	95189538	95190041	95.19	8.00E-30	LOC341213
CL374953	RP44_470L20	SP6	11	95380984	95381068	95.38	3.00E-06	NA
CL341652	RP44_261G9	T7	11	95621985	95622410	95.62	3.00E-07	LOC341216
CL325825	RP44_242I20	T7	11	95647847	95648256	95.65	2.00E-67	NA
CL342194	RP44_261H22	SP6	11	95698985	95699412	95.70	7.00E-09	MGC33371
CL322729	RP44_416M24	SP6	11	95748981	95749407	95.75	6.00E-30	KIAA0092
CL408430	RP44_415I2	SP6	11	95763004	95763046	95.76	1.00E-09	MTMR2
CL341726	RP44_261G9	SP6	11	95800923	95801029	95.80	8.00E-08	MTMR2
CL412406	RP44_431A19	T7	11	95835049	95835092	95.84	9.00E-08	MTMR2
CL387564	RP44_281F11	SP6	11	95970921	95971168	95.97	9.00E-90	MAML2
CL370391	RP44_295B15	SP6	11	95971047	95971254	95.97	3.00E-89	MAML2
CL364314	RP44_396A10	SP6	11	96023456	96023826	96.02	2.00E-35	MAML2
CL369977	RP44_292P10	SP6	11	96028540	96029179	96.03	2.00E-58	MAML2
CL337181	RP44_264I15	SP6	11	96028599	96029118	96.03	3.00E-35	MAML2
CL327530	RP44_246K17	T7	11	96125913	96126143	96.13	3.00E-69	MAML2
CL387479	RP44_281F11	T7	11	96164530	96164674	96.16	9.00E-30	MAML2
CL340805	RP44_258D17	SP6	11	96174804	96174948	96.17	1.00E-22	MAML2
CL370321	RP44_295G17	SP6	11	96586512	96586786	96.59	2.00E-35	NA
CL373445	RP44_308H9	SP6	11	96740856	96740884	96.74	6.00E-06	LOC349622
CL346315	RP44_270H15	T7	11	96858534	96858608	96.86	4.00E-06	LOC349622
CL373371	RP44_308H9	T7	11	96933744	96933991	96.93	2.00E-06	LOC349622
CL346389	RP44_270H15	SP6	11	97094900	97094997	97.09	2.00E-09	LOC255729
CL352154	RP44_314E15	T7	11	97140371	97140605	97.14	2.00E-18	LOC255729
CL376496	RP44_444J22	T7	11	97359837	97359943	97.36	3.00E-17	NA
CL351891	RP44_313B23	SP6	11	97899343	97899383	97.90	5.00E-06	LOC341217
CL364540	RP44_396H16	T7	11	98385300	98385357	98.39	5.00E-09	NA
CL324448	RP44_474L20	SP6	11	98775205	98775482	98.78	1.00E-24	NA
CL324447	RP44_474L20	T7	11	98999011	98999182	99.00	7.00E-32	CNTN5
CL408952	RP44_416D15	SP6	11	99424635	99424818	99.42	1.00E-25	CNTN5
CL411750	RP44_430A7	T7	11	99678245	99678574	99.68	4.00E-07	CNTN5
CL346393	RP44_270J1	SP6	11	99854782	99855000	99.85	5.00E-25	CNTN5
CL331029	CH242_6D21	T7	11	99984534	99985279	99.98	2.00E-92	CNTN5
CL353853	RP44_403F18	SP6	11	99988395	99988557	99.99	5.00E-22	CNTN5
CL358641	RP44_415K23	T7	11	100022859	100023474	100.02	2.00E-61	CNTN5
CL365345	RP44_400H20	T7	11	100174923	100175054	100.17	8.00E-15	CNTN5
CL383821	RP44_327M12	T7	11	100203400	100203893	100.20	8.00E-18	CNTN5
CL376505	RP44_444P14	T7	11	100211228	100211311	100.21	7.00E-14	CNTN5
CL362469	RP44_377I20	SP6	11	100245580	100246109	100.25	e-139	CNTN5
CL387508	RP44_281L3	T7	11	100364230	100364777	100.36	9.00E-67	NA
CL383903	RP44_327M12	SP6	11	100442125	100442741	100.44	8.00E-15	NA
CL360600	RP44_340B12	T7	11	100635368	100635457	100.64	3.00E-07	LOC338734
CL340281	RP44_257A10	T7	11	100729049	100729274	100.73	2.00E-14	NA
CL337912	RP44_265A10	SP6	11	100731183	100731277	100.73	6.00E-09	NA
CL331536	CH242_8M11	T7	11	100898399	100898851	100.90	1.00E-50	AD031
CL342615	RP44_262L9	T7	11	100955726	100955798	100.96	2.00E-15	PGR
CL382474	RP44_324E13	SP6	11	101373529	101373584	101.37	9.00E-08	TRPC6
CL368814	RP44_289L17	SP6	11	101641008	101641082	101.64	3.00E-07	LOC347830
CL366194	RP44_358H23	T7	11	101869889	101869959	101.87	9.00E-08	KIAA1377
CL364200	RP44_396I23	SP6	11	101936045	101936181	101.94	2.00E-09	NA
CL390311	RP44_288A2	SP6	11	102049615	102050098	102.05	3.00E-72	YAP1
CL348810	RP44_275M20	T7	11	102069269	102069310	102.07	2.00E-06	YAP1
CL364113	RP44_396I23	T7	11	102165252	102165293	102.17	2.00E-11	NA
CL413835	RP44_435E10	T7	11	102174537	102174984	102.17	2.00E-85	NA
CL344973	RP44_279O20	SP6	11	102174542	102175052	102.17	e-100	NA
CL348901	RP44_275M20	SP6	11	102267131	102267786	102.27	2.00E-30	BIRC2
CL334320	RP44_251O6	T7	11	102499397	102499566	102.50	1.00E-44	MMP20
CL359271	RP44_336F19	T7	11	102507837	102508037	102.51	2.00E-27	MMP20
CL358013	RP44_414G13	T7	11	102656185	102695641	102.68	5.00E-37	MMP1
CL381621	RP44_316A19	SP6	11	102837063	102837230	102.84	2.00E-21	NA
CL358081	RP44_414G13	SP6	11	102857961	102858271	102.86	6.00E-15	MMP13
CL328959	RP44_382F9	T7	11	102901105	102901294	102.90	5.00E-27	NA
CL339896	RP44_256P1	T7	11	102919190	102919263	102.92	3.00E-11	NA
CL349283	RP44_309E11	T7	11	102948186	102948546	102.95	6.00E-12	LOC120323
CL354212	RP44_405D18	SP6	11	102948800	102948884	102.95	1.00E-15	LOC120323
CL346141	RP44_270A19	T7	11	102963484	102963516	102.96	7.00E-06	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL346213	RP44_270A19	SP6	11	102996553	102996957	103.00	1.00E-87	MGC2714
CL328960	RP44_382F9	SP6	11	103039123	103039278	103.04	2.00E-36	NA
CL322850	RP44_437K21	T7	11	103048063	103048203	103.05	3.00E-56	NA
CL339967	RP44_256P1	SP6	11	103068832	103069170	103.07	2.00E-08	NA
CL354149	RP44_405D18	T7	11	103140473	103140802	103.14	1.00E-65	FLJ11756
CL375335	RP44_471D21	T7	11	103304457	103304681	103.30	1.00E-77	FLJ11756
CL339702	RP44_256E15	T7	11	103492424	103492465	103.49	2.00E-08	NA
CL342212	RP44_261L20	SP6	11	103537425	103538369	103.54	9.00E-33	NA
CL356968	RP44_412C24	SP6	11	103563477	103563560	103.56	8.00E-08	NA
CL344521	RP44_278F8	T7	11	103686620	103687469	103.69	2.00E-30	LOC341222
CL380179	RP44_428H4	T7	11	103853380	103853604	103.85	5.00E-28	SCDGF-B
CL334361	RP44_251G6	SP6	11	103914449	103914954	103.91	5.00E-56	SCDGF-B
CL358369	RP44_414F13	SP6	11	103967003	103967104	103.97	5.00E-09	SCDGF-B
CL343677	RP44_277G11	SP6	11	103984578	103984938	103.98	5.00E-47	SCDGF-B
CL331972	CH242_10C21	T7	11	104146121	104146217	104.15	2.00E-09	NA
CL371500	RP44_302P18	T7	11	104181066	104181121	104.18	7.00E-15	NA
CL359785	RP44_338E1	T7	11	104256556	104256606	104.26	1.00E-09	NA
CL365093	RP44_400F15	T7	11	104256556	104256606	104.26	2.00E-09	NA
CL332058	CH242_10C21	SP6	11	104400437	104400932	104.40	2.00E-70	NA
CL322516	RP44_405F19	SP6	11	104763218	104763329	104.76	1.00E-30	LOC338737
CL369211	RP44_290I12	T7	11	104788483	104788547	104.79	5.00E-06	NA
CL366147	RP44_358M22	SP6	11	104903689	105000322	104.95	2.00E-18	CASP5
CL338844	RP44_267M16	T7	11	105107035	105107128	105.11	3.00E-11	LOC341226
CL381552	RP44_316E11	T7	11	105509585	105509930	105.51	1.00E-80	NA
CL332359	CH242_10L7	T7	11	105539708	105540302	105.54	2.00E-15	GRIA4
CL389060	RP44_286O9	T7	11	105963655	105963788	105.96	1.00E-56	FLJ30685
CL376953	RP44_449O13	T7	11	106761542	106761641	106.76	3.00E-08	GUCY1A2
CL341491	RP44_260H18	T7	11	106809832	106809873	106.81	2.00E-06	GUCY1A2
CL334757	RP44_252M19	T7	11	106889573	106889634	106.89	1.00E-06	GUCY1A2
CL368894	RP44_289L18	T7	11	106928088	106928419	106.93	2.00E-58	NA
CL357081	RP44_412N11	T7	11	107104087	107104179	107.10	2.00E-08	NA
CL343184	RP44_276E4	SP6	11	107132260	107132317	107.13	1.00E-06	LOC341231
CL383679	RP44_327M15	T7	11	107134908	107135050	107.13	5.00E-22	LOC341231
CL387869	RP44_283C9	SP6	11	107429847	107429905	107.43	3.00E-06	LOC91801
CL353650	RP44_403B11	T7	11	107490473	107490994	107.49	4.00E-07	NA
CL364695	RP44_398L17	T7	11	107498634	107498798	107.50	2.00E-39	DKFZp547C176
CL353712	RP44_403B11	SP6	11	107708376	107709318	107.71	1.00E-10	HSNOV1
CL362394	RP44_377K10	T7	11	108077690	108078218	108.08	1.00E-40	NPAT
CL326068	RP44_242H16	SP6	11	108159248	108159372	108.16	4.00E-09	ATM
CL412988	RP44_431D12	SP6	11	108411369	108411448	108.41	4.00E-15	NA
CL342644	RP44_262B5	SP6	11	108505600	108506232	108.51	3.00E-14	NA
CL383729	RP44_327I7	SP6	11	108661134	108661220	108.66	3.00E-10	DDX10
CL324955	RP44_478J6	SP6	11	108662031	108662175	108.66	5.00E-30	DDX10
CL355166	RP44_409E20	T7	11	108755091	108755256	108.76	5.00E-13	DDX10
CL383660	RP44_327I7	T7	11	108818689	108818797	108.82	9.00E-08	DDX10
CL377276	RP44_449N5	T7	11	108842872	108843156	108.84	8.00E-15	DDX10
CL386288	RP44_333B12	T7	11	108981787	108982037	108.98	7.00E-63	NA
CL363792	RP44_389P9	T7	11	109066614	109067085	109.07	4.00E-16	LOC349627
CL331880	CH242_9A21	SP6	11	109485359	109486195	109.49	7.00E-06	NA
CL337901	RP44_265O6	T7	11	109692776	109693084	109.69	2.00E-06	NA
CL331794	CH242_9A21	T7	11	109720994	109721107	109.72	7.00E-09	LOC341183
CL322132	RP44_399P13	T7	11	109725757	109726177	109.73	4.00E-07	LOC341183
CL367120	RP44_364E17	SP6	11	109846342	109846692	109.85	5.00E-06	NA
CL408537	RP44_415P9	T7	11	109998743	109999311	110.00	1.00E-25	NA
CL341779	RP44_261A14	T7	11	110026057	110026143	110.03	1.00E-10	NA
CL341865	RP44_261A14	SP6	11	110255098	110255346	110.26	3.00E-14	LOC341184
CL360611	RP44_340D24	T7	11	110545325	110545885	110.55	6.00E-06	KIAA1391
CL388065	RP44_284O11	SP6	11	110545325	110545939	110.55	2.00E-08	KIAA1391
CL338016	RP44_265F23	T7	11	110587862	110588198	110.59	2.00E-18	KIAA1391
CL388132	RP44_284M12	T7	11	110661822	110661940	110.66	3.00E-29	NA
CL324692	RP44_476K22	SP6	11	110688818	110688869	110.69	6.00E-08	NA
CL413511	RP44_433K18	SP6	11	111210856	111210993	111.21	4.00E-07	LOC120376
CL340749	RP44_258J1	T7	11	111331311	111331395	111.33	1.00E-06	NA
CL364952	RP44_400G12	T7	11	111453680	111454116	111.45	3.00E-26	LOC143903
CL339599	RP44_255B2	SP6	11	111512954	111513284	111.51	5.00E-18	KIAA0781

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL341776	RP44_261A4	T7	11	111516925	111517025	111.52	1.00E-13	KIAA0781
CL389753	RP44_287O13	SP6	11	111558312	111558459	111.56	4.00E-13	KIAA0781
CL324466	RP44_474N22	SP6	11	111671259	111671721	111.67	e-119	NA
CL324097	RP44_463D2	SP6	11	111930260	111930454	111.93	4.00E-10	DLAT
CL355631	RP44_410K1	T7	11	111930298	111930454	111.93	1.00E-06	DLAT
CL375595	RP44_471J24	SP6	11	111972537	111972656	111.97	4.00E-34	LOC120379
CL363706	RP44_389J17	SP6	11	112393286	112393582	112.39	4.00E-16	NA
CL376697	RP44_445O7	SP6	11	112411680	112411942	112.41	4.00E-47	LOC349634
CL330800	CH242_4F18	SP6	11	112674444	112674756	112.67	9.00E-85	LOC341036
CL413126	RP44_432O15	T7	11	112992373	112992882	112.99	5.00E-07	NCAM1
CL367521	RP44_367N21	T7	11	113220773	113221165	113.22	7.00E-43	FLJ20535
CL344953	RP44_279M4	SP6	11	113275447	113275582	113.28	3.00E-07	FLJ20535
CL336517	RP44_263E23	SP6	11	113414674	113414762	113.41	2.00E-08	NA
CL341056	RP44_259K14	T7	11	113461522	113461592	113.46	5.00E-12	NA
CL328198	RP44_248M21	SP6	11	113786663	113786985	113.79	5.00E-21	NA
CL378975	RP44_425E8	SP6	11	113813146	113813366	113.81	6.00E-36	HTR3B
CL389468	RP44_286D2	T7	11	113903365	113903544	113.90	2.00E-18	NA
CL333701	RP44_250K24	T7	11	114015557	114015995	114.02	3.00E-63	ZNF145
CL354035	RP44_405O5	SP6	11	114291428	114291562	114.29	2.00E-17	NA
CL347321	RP44_272O24	T7	11	114667021	114667281	114.67	3.00E-88	NA
CL381252	RP44_315L5	T7	11	114695302	114695684	114.70	4.00E-13	NA
CL325744	RP44_242O13	T7	11	114751996	114752337	114.75	9.00E-44	NA
CL329088	RP44_382B20	SP6	11	114800722	114800818	114.80	2.00E-11	NA
CL381338	RP44_315L5	SP6	11	114833303	114833506	114.83	3.00E-20	NA
CL413616	RP44_433B18	SP6	11	114971430	114971671	114.97	3.00E-29	NA
CL334880	RP44_252I6	T7	11	115098475	115098881	115.10	e-125	IGSF4
CL349540	RP44_309I8	SP6	11	115128625	115129218	115.13	e-109	IGSF4
CL384096	RP44_328H5	T7	11	115128939	115129130	115.13	2.00E-50	IGSF4
CL355464	RP44_409D14	T7	11	115131818	115132038	115.13	3.00E-26	IGSF4
CL346168	RP44_270G23	T7	11	115151417	115151747	115.15	7.00E-55	IGSF4
CL413544	RP44_433B18	T7	11	115153724	115153889	115.15	9.00E-17	IGSF4
CL373406	RP44_308P11	T7	11	115165769	115165853	115.17	6.00E-06	IGSF4
CL365082	RP44_400D15	T7	11	115244846	115244935	115.24	8.00E-21	IGSF4
CL355537	RP44_409D14	SP6	11	115318926	115318962	115.32	7.00E-06	IGSF4
CL373483	RP44_308P11	SP6	11	115325150	115325571	115.33	e-145	IGSF4
CL380283	RP44_428J8	SP6	11	115365472	115365637	115.37	3.00E-38	IGSF4
CL440229	RP44_300G3	T7	11	115423963	115424462	115.42	0	NA
CL365167	RP44_400D15	SP6	11	115457949	115457988	115.46	6.00E-06	NA
CL380193	RP44_428J8	T7	11	115571607	115571871	115.57	8.00E-62	LOC341038
CL359334	RP44_336D9	SP6	11	115579140	115579240	115.58	2.00E-23	LOC341038
CL341060	RP44_259K24	T7	11	115845948	115846031	115.85	2.00E-22	LOC341039
CL323535	RP44_458M2	SP6	11	115959058	115959466	115.96	1.00E-44	LOC338655
CL409519	RP44_417M20	SP6	11	115966001	115966041	115.97	4.00E-06	LOC338655
CL350671	RP44_311A18	T7	11	115969223	115969271	115.97	2.00E-15	LOC338655
CL325567	RP44_241F12	T7	11	116158735	116158912	116.16	3.00E-47	LOC341040
CL333916	RP44_250L7	SP6	11	116227520	116227658	116.23	6.00E-09	NA
CL367193	RP44_365G5	T7	11	116677442	116677638	116.68	4.00E-68	MGC13125
CL345805	RP44_280F8	T7	11	116751070	116752169	116.75	7.00E-12	KIAA0999
CL321124	CH242_15M24	SP6	11	116800916	116801181	116.80	1.00E-27	KIAA0999
CL376162	RP44_443F3	T7	11	116968113	116968206	116.97	7.00E-18	KIAA0999
CL338908	RP44_267K12	SP6	11	117233576	117233649	117.23	2.00E-07	KIAA1052
CL386914	RP44_335C17	SP6	11	117397294	117397669	117.40	1.00E-53	DSCAML1
CL368063	RP44_288D3	T7	11	117422476	117422557	117.42	3.00E-09	DSCAML1
CL382590	RP44_324L19	T7	11	117522597	117522721	117.52	4.00E-07	DSCAML1
CL384990	RP44_330C9	T7	11	117604499	117604563	117.60	9.00E-07	DSCAML1
CL337833	RP44_265A20	T7	11	117671382	117671496	117.67	2.00E-24	DSCAML1
CL348766	RP44_275E24	T7	11	117857648	117857792	117.86	2.00E-08	NA
CL329518	RP44_394B13	T7	11	117951497	117951682	117.95	2.00E-35	LOC341042
CL326198	RP44_243C3	SP6	11	118045129	118045352	118.05	9.00E-23	SCN4B
CL328470	RP44_248F19	SP6	11	118353737	118353792	118.35	7.00E-08	MLL
CL366687	RP44_362F9	SP6	11	118667447	118667856	118.67	3.00E-23	DDX6
CL380829	RP44_314G18	SP6	11	118924752	118924881	118.92	3.00E-47	PTD009
CL369483	RP44_291I18	T7	11	118951051	118951434	118.95	2.00E-91	HYOU1
CL335740	RP44_254I19	T7	11	119410765	119410846	119.41	2.00E-09	NA
CL359193	RP44_335F16	SP6	11	119510383	119510505	119.51	4.00E-41	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL369769	RP44_292M14	SP6	11	119592057	119592239	119.59	1.00E-09	PVRL1
CL342943	RP44_276I3	T7	11	119598368	119598506	119.60	2.00E-20	PVRL1
CL329013	RP44_382J21	SP6	11	120336381	120336757	120.34	4.00E-31	ARHGEF12
CL340520	RP44_257H9	SP6	11	120482122	120482327	120.48	9.00E-60	GRIK4
CL329012	RP44_382J21	T7	11	120504900	120505162	120.51	2.00E-21	GRIK4
CL341350	RP44_260L1	T7	11	120530579	120530683	120.53	2.00E-20	GRIK4
CL375358	RP44_471J9	T7	11	120723953	120724112	120.72	2.00E-32	GRIK4
CL338608	RP44_266K16	SP6	11	120772460	120772641	120.77	7.00E-64	GRIK4
CL364741	RP44_398F3	SP6	11	120895725	120896173	120.90	9.00E-29	NA
CL388615	RP44_285M19	T7	11	121006034	121006393	121.01	2.00E-49	NA
CL387074	RP44_280D4	SP6	11	121034226	121034493	121.03	3.00E-79	TECTA
CL361088	RP44_343N7	SP6	11	121382733	121382874	121.38	1.00E-25	SORL1
CL377470	RP44_449F6	SP6	11	121387231	121387274	121.39	1.00E-12	SORL1
CL343177	RP44_276C14	SP6	11	121540861	121541166	121.54	1.00E-61	NA
CL361024	RP44_343N7	T7	11	121570823	121571866	121.57	9.00E-17	LOC349644
CL361125	RP44_344F8	T7	11	121608172	121608263	121.61	9.00E-09	NA
CL324347	RP44_474O10	SP6	11	121626439	121626500	121.63	1.00E-13	NA
CL386857	RP44_335G11	T7	11	121652765	121653182	121.65	2.00E-11	NA
CL340777	RP44_258N21	T7	11	121696382	121696440	121.70	6.00E-12	NA
CL341208	RP44_260M9	SP6	11	121746523	121746889	121.75	e-104	LOC219888
CL410580	RP44_419F7	T7	11	121746530	121747067	121.75	2.00E-98	LOC219888
CL324346	RP44_474O10	T7	11	121796626	121797322	121.80	1.00E-16	NA
CL340853	RP44_258N21	SP6	11	121849232	121849332	121.85	1.00E-15	NA
CL346880	RP44_271J11	SP6	11	121849284	121849332	121.85	1.00E-08	NA
CL341286	RP44_260M9	T7	11	121927331	121927495	121.93	2.00E-27	NA
CL375485	RP44_471D4	T7	11	121951597	121951870	121.95	5.00E-53	LOC255849
CL367784	RP44_372L5	T7	11	122061673	122061743	122.06	4.00E-12	LOC341049
CL361850	RP44_351P15	SP6	11	122131489	122131866	122.13	1.00E-72	LOC341050
CL321668	CH242_13G18	SP6	11	122157231	122158006	122.16	5.00E-37	LOC341051
CL388638	RP44_285C5	SP6	11	122171207	122171710	122.17	2.00E-09	NA
CL368921	RP44_289B12	SP6	11	122174492	122174858	122.17	7.00E-85	NA
CL382894	RP44_325M10	T7	11	122314819	122314855	122.31	6.00E-06	LOC341055
CL385882	RP44_332H21	T7	11	123116439	123116958	123.12	5.00E-16	NA
CL410022	RP44_418A10	SP6	11	123122639	123123072	123.12	4.00E-50	NA
CL370062	RP44_293I2	SP6	11	123264396	123264535	123.26	3.00E-16	NA
CL385960	RP44_332H21	SP6	11	123264396	123264536	123.26	1.00E-18	NA
CL334002	RP44_250N16	T7	11	123281469	123281547	123.28	2.00E-17	NA
CL411955	RP44_430I6	T7	11	123537570	123538050	123.54	6.00E-21	SCN3B
CL338662	RP44_267E21	T7	11	124112488	124446946	124.28	1.00E-47	OR10D3P
CL351141	RP44_311P14	SP6	11	124229495	124270371	124.25	2.00E-18	NA
CL384922	RP44_329B18	SP6	11	124229582	124270371	124.25	9.00E-12	NA
CL374700	RP44_470J9	T7	11	124229582	124270371	124.25	1.00E-09	NA
CL325056	RP44_479E3	SP6	11	124345619	124345799	124.35	8.00E-11	NA
CL344867	RP44_279K14	T7	11	124624493	124624571	124.62	5.00E-31	NA
CL333907	RP44_250J5	SP6	11	124624508	124624571	124.62	3.00E-22	NA
CL324436	RP44_474L6	T7	11	124625120	124625168	124.63	3.00E-06	NA
CL363840	RP44_392M22	T7	11	124645432	124645481	124.65	9.00E-07	NRGN
CL333833	RP44_250J5	T7	11	124846353	124846903	124.85	5.00E-25	NA
CL339682	RP44_256A15	T7	11	125013593	125013810	125.01	3.00E-14	LOC219854
CL375431	RP44_471H13	SP6	11	125123968	125124013	125.12	4.00E-09	NA
CL327233	RP44_245I12	T7	11	125125257	125125546	125.13	3.00E-65	NA
CL410919	RP44_420O11	T7	11	125136791	125136851	125.14	5.00E-06	NA
CL389644	RP44_287G15	T7	11	125252147	125252328	125.25	2.00E-54	PKNOX2
CL346332	RP44_270L5	T7	11	125530570	125537034	125.53	7.00E-33	CHEK1
CL364424	RP44_396J21	T7	11	125559547	125559843	125.56	5.00E-27	CHEK1
CL348555	RP44_274L2	SP6	11	125744798	125744866	125.74	5.00E-06	NA
CL388496	RP44_284F10	SP6	11	125744798	125744866	125.74	2.00E-06	NA
CL374994	RP44_471C21	T7	11	125941263	125941307	125.94	8.00E-11	NA
CL351627	RP44_313O9	SP6	11	126164752	126164865	126.16	5.00E-22	FLJ21103
CL348103	RP44_273N16	SP6	11	126713374	126713451	126.71	2.00E-11	NEPH2
CL346411	RP44_270L17	SP6	11	126782028	126782172	126.78	1.00E-20	NEPH2
CL348247	RP44_274K19	SP6	11	126853280	126853458	126.85	6.00E-24	NEPH2
CL336776	RP44_263J3	T7	11	126886199	126886351	126.89	4.00E-25	NEPH2
CL354963	RP44_408H13	SP6	11	127588709	127588971	127.59	9.00E-44	NA
CL352694	RP44_401J17	SP6	11	127598171	127598232	127.60	2.00E-18	LOC341077

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL328368	RP44_248O14	SP6	11	127748154	127748196	127.75	2.00E-09	NA
CL368231	RP44_288H4	T7	11	127834820	127835099	127.83	7.00E-06	NA
CL354387	RP44_406N21	T7	11	127995454	127995513	128.00	1.00E-08	NA
CL409268	RP44_417I21	T7	11	128067394	128067479	128.07	2.00E-06	NA
CL380884	RP44_314D7	T7	11	128075447	128075718	128.08	4.00E-59	NA
CL380373	RP44_429I15	T7	11	128099822	128100289	128.10	3.00E-32	NA
CL440051	RP44_299M14	T7	11	128112476	128112582	128.11	9.00E-10	LOC283166
CL324236	RP44_474E16	T7	11	128125786	128126062	128.13	1.00E-34	LOC283166
CL327908	RP44_246B12	T7	11	128193535	128193782	128.19	1.00E-55	NA
CL337811	RP44_265M21	SP6	11	128340843	128341018	128.34	2.00E-06	NA
CL412931	RP44_431H24	T7	11	128430947	128431271	128.43	4.00E-50	NA
CL329970	CH242_3M23	SP6	11	128996163	128996390	129.00	8.00E-12	RICS
CL329884	CH242_3M23	T7	11	129187254	129187422	129.19	1.00E-19	NA
CL345488	RP44_280G12	T7	11	129267886	129268116	129.27	3.00E-20	NA
CL343985	RP44_277J21	SP6	11	129348545	129348819	129.35	8.00E-24	BARX2
CL369888	RP44_292J16	T7	11	129509053	129509334	129.51	2.00E-33	NA
CL327954	RP44_246L10	T7	11	129911981	129912326	129.91	1.00E-06	NA
CL339953	RP44_256L5	SP6	11	129956040	129956118	129.96	9.00E-11	NA
CL334483	RP44_251B9	SP6	11	129956072	129956118	129.96	3.00E-07	NA
CL328600	RP44_248P10	T7	11	130480658	130481173	130.48	1.00E-19	NA
CL388832	RP44_285K12	SP6	11	130936234	130936401	130.94	6.00E-34	LOC341080
CL363799	RP44_392A14	T7	11	131050871	131051035	131.05	4.00E-12	LOC341081
CL368422	RP44_289O11	T7	11	131210746	131211009	131.21	4.00E-10	LOC341082
CL368507	RP44_289O11	SP6	11	131385434	131386021	131.39	1.00E-40	LOC341085
CL384345	RP44_328J8	SP6	11	131387146	131387626	131.39	3.00E-72	LOC341085
CL374050	RP44_469N1	T7	11	131836868	131836912	131.84	4.00E-06	HNT
CL331292	CH242_7G20	SP6	11	131856916	131857070	131.86	3.00E-10	HNT
CL343813	RP44_277C12	SP6	11	132123302	132123467	132.12	1.00E-10	HNT
CL372661	RP44_306H11	SP6	11	132246257	132246502	132.25	5.00E-24	NA
CL347539	RP44_272L15	SP6	11	132518178	132518413	132.52	4.00E-43	OPCML
CL333673	RP44_250E14	T7	11	132720439	132720613	132.72	3.00E-60	OPCML
CL369304	RP44_290I20	SP6	11	132910673	132910870	132.91	6.00E-80	NA
CL362375	RP44_377G14	T7	11	133171694	133172071	133.17	1.00E-93	LOC338669
CL366422	RP44_358L16	SP6	11	133172971	133173051	133.17	7.00E-18	LOC338669
CL382112	RP44_323M20	SP6	11	133602908	133602940	133.60	6.00E-06	NA
CL357522	RP44_413G8	T7	11	133895884	133895926	133.90	6.00E-12	LOC349661
CL329886	CH242_3O3	T7	11	134110040	134110139	134.11	1.00E-22	KIAA0056
CL414055	RP44_435P20	T7	11	134151784	134151833	134.15	4.00E-09	THY28
CL381431	RP44_315N12	T7	11	134184751	134247834	134.22	1.00E-21	LOC89944
CL349067	RP44_275N21	SP6	11	134342412	134342530	134.34	8.00E-21	LOC283177
CL363482	RP44_388F15	SP6	12	296272	296511	0.30	1.00E-58	RBBP2
CL366362	RP44_358N16	T7	12	447518	447575	0.45	3.00E-16	NA
CL321207	CH242_15H7	T7	12	1094809	1095042	1.09	8.00E-21	ELKS
CL363484	RP44_388H3	SP6	12	1863025	1863116	1.86	9.00E-20	CACNA2D4
CL379682	RP44_428I1	T7	12	1863670	1863767	1.86	5.00E-21	CACNA2D4
CL333155	RP44_249K7	T7	12	1927357	1927419	1.93	5.00E-12	NA
CL328419	RP44_248L5	T7	12	1959774	1959863	1.96	2.00E-11	DCP1B
CL366885	RP44_362P18	SP6	12	2058779	2058847	2.06	4.00E-06	CACNA1C
CL361936	RP44_353C15	SP6	12	2154385	2154663	2.15	8.00E-11	CACNA1C
CL361781	RP44_351B15	SP6	12	3111497	3111848	3.11	2.00E-21	NET-5
CL367802	RP44_372P7	T7	12	3255198	3255254	3.26	3.00E-13	NET-5
CL343371	RP44_276L1	SP6	12	3665314	3665419	3.67	1.00E-06	MGC4266
CL380744	RP44_429P17	T7	12	3800399	3800753	3.80	1.00E-96	C12orf6
CL343290	RP44_276L1	T7	12	3917165	3917326	3.92	6.00E-15	LOC341516
CL352892	RP44_402A5	T7	12	4022523	4022580	4.02	1.00E-06	LOC341516
CL411745	RP44_429P17	SP6	12	4073071	4073271	4.07	1.00E-19	NA
CL363720	RP44_389N17	SP6	12	4486747	4486847	4.49	7.00E-14	C12orf4
CL345879	RP44_269G2	T7	12	4524354	4524641	4.52	3.00E-57	C12orf4
CL345953	RP44_269G2	SP6	12	4722029	4722112	4.72	9.00E-08	GALNT8
CL332348	CH242_10J7	T7	12	5178627	5178729	5.18	8.00E-24	NA
CL362127	RP44_375K7	T7	12	5186335	5186713	5.19	4.00E-09	NA
CL341908	RP44_261I16	SP6	12	5228017	5228132	5.23	2.00E-12	LOC347953
CL325656	RP44_241J22	SP6	12	5247886	5248132	5.25	5.00E-74	NA
CL369337	RP44_290O20	SP6	12	5411931	5412289	5.41	3.00E-38	NA
CL366005	RP44_356L14	SP6	12	5459598	5459658	5.46	9.00E-11	NA

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CL439847	RP44_297N6	T7	12	5690576	5690634	5.69	2.00E-09	C12orf3
CL333001	CH242_12H4	SP6	12	5700198	5700326	5.70	3.00E-20	C12orf3
CL330246	CH242_3D3	SP6	12	5714669	5714770	5.71	9.00E-08	C12orf3
CL364805	RP44_400A17	SP6	12	6322169	6322442	6.32	1.00E-17	TNFRSF1A
CL367423	RP44_367K16	SP6	12	6449308	6449371	6.45	2.00E-12	TAPBP-R
CL367345	RP44_367K16	T7	12	6681721	6682243	6.68	1.00E-22	DKFZp547D2210
CL412228	RP44_430P11	T7	12	6682671	6682996	6.68	7.00E-20	DKFZp547D2210
CL388437	RP44_284J6	T7	12	6971094	6971209	6.97	7.00E-39	C3F
CL368088	RP44_288H13	T7	12	7004093	7004316	7.00	8.00E-39	C1S
CL414297	RP44_436M8	SP6	12	7552730	7552800	7.55	3.00E-07	CD163
CL345348	RP44_280O5	SP6	12	8100760	8101162	8.10	3.00E-29	FHX
CL353831	RP44_403P14	T7	12	8715536	8715755	8.72	3.00E-11	MAGP2
CL372052	RP44_304N20	SP6	12	8742757	8742977	8.74	6.00E-10	KIAA1238
CL390127	RP44_288K13	T7	12	9044902	9044965	9.04	8.00E-08	KLRG1
CL363192	RP44_383C2	SP6	12	9047909	9048081	9.05	7.00E-21	KLRG1
CL412107	RP44_430F23	SP6	12	9126594	9126643	9.13	8.00E-14	A2M
CL365867	RP44_356G11	SP6	12	9424336	31210709	20.32	1.00E-07	NA
CL375028	RP44_471I21	T7	12	9651317	9651433	9.65	3.00E-20	KLRB1
CL409407	RP44_417G6	T7	12	9814373	9814515	9.81	2.00E-14	NA
CL345682	RP44_280N21	T7	12	9879900	9880447	9.88	1.00E-25	KLRF1
CL409483	RP44_417G6	SP6	12	10068094	10068274	10.07	1.00E-34	LOC283419
CL347621	RP44_272B20	SP6	12	10120950	10121124	10.12	7.00E-36	NA
CL373106	RP44_307D9	SP6	12	10464487	10506339	10.49	1.00E-19	KLRC1
CL362064	RP44_353B1	SP6	12	10645645	10645858	10.65	6.00E-11	KLRA1
CL339854	RP44_256F19	T7	12	10650454	10650753	10.65	4.00E-22	KLRA1
CL373010	RP44_307B11	T7	12	10661945	10662300	10.66	6.00E-46	FLJ10292
CL373020	RP44_307D9	T7	12	10661945	10662300	10.66	6.00E-46	FLJ10292
CL348741	RP44_275A16	T7	12	10674734	10674842	10.67	4.00E-25	DKFZp761P1010
CL348762	RP44_275E16	T7	12	10674734	10674935	10.67	2.00E-34	DKFZp761P1010
CL380728	RP44_429N1	T7	12	10674734	10674935	10.67	1.00E-34	DKFZp761P1010
CL341616	RP44_260P14	SP6	12	10791718	10791779	10.79	2.00E-06	NA
CL373213	RP44_308G12	T7	12	10806483	10806801	10.81	2.00E-09	NA
CL408558	RP44_415D9	SP6	12	10817788	10817888	10.82	2.00E-06	NA
CL340521	RP44_257H11	SP6	12	11797383	11797449	11.80	7.00E-10	ETV6
CL376006	RP44_441P2	T7	12	11880953	11881004	11.88	5.00E-08	ETV6
CL376597	RP44_445G21	T7	12	11880953	11881004	11.88	8.00E-08	ETV6
CL378457	RP44_424K20	SP6	12	11968874	11969060	11.97	1.00E-16	NA
CL389413	RP44_286H13	SP6	12	12089115	12090270	12.09	7.00E-18	NA
CL440094	RP44_299H16	T7	12	12236448	12236589	12.24	9.00E-26	LRP6
CL358195	RP44_414A2	SP6	12	12481451	12481805	12.48	3.00E-41	LOH12CR1
CL327710	RP44_246C22	SP6	12	12841977	12842411	12.84	1.00E-07	DKFZP434F0318
CL344052	RP44_278I9	T7	12	13007818	13008232	13.01	1.00E-16	NA
CL372781	RP44_306P6	T7	12	13067704	13067737	13.07	1.00E-06	NA
CL333844	RP44_250L11	T7	12	13611849	13612074	13.61	4.00E-16	LOC283423
CL321331	CH242_15F14	SP6	12	13745100	13745187	13.75	8.00E-08	GRIN2B
CL439924	RP44_297N2	SP6	12	13798251	13798674	13.80	e-116	GRIN2B
CL359458	RP44_336N12	T7	12	13798324	13798674	13.80	e-100	GRIN2B
CL387462	RP44_281B17	T7	12	13825446	13826054	13.83	2.00E-33	GRIN2B
CL377838	RP44_457M6	SP6	12	13825453	13825937	13.83	2.00E-33	GRIN2B
CL377752	RP44_457M6	T7	12	13945483	13945705	13.95	2.00E-33	GRIN2B
CL359507	RP44_336N12	SP6	12	13945581	13945705	13.95	8.00E-23	GRIN2B
CL358734	RP44_415M15	SP6	12	14302603	14302839	14.30	3.00E-26	LOC349842
CL327731	RP44_246G20	SP6	12	14469390	14470007	14.47	4.00E-13	ATF7IP
CL321203	CH242_15H1	T7	12	14477820	14478216	14.48	1.00E-25	FLJ10139
CL385874	RP44_332H1	T7	12	14513692	14513926	14.51	1.00E-95	ATF7IP
CL384599	RP44_329K18	T7	12	14567627	14568269	14.57	3.00E-08	FLJ22662
CL329268	RP44_386F4	SP6	12	14568177	14568269	14.57	2.00E-08	FLJ22662
CL361507	RP44_350J22	SP6	12	14602079	14602179	14.60	5.00E-07	FLJ22662
CL326906	RP44_244M20	SP6	12	14605066	14605420	14.61	1.00E-13	FLJ22662
CL381455	RP44_315B14	SP6	12	14605066	14605420	14.61	1.00E-13	FLJ22662
CL381464	RP44_315D14	SP6	12	14605066	14605420	14.61	1.00E-13	FLJ22662
CL346967	RP44_271J20	T7	12	14887831	14888036	14.89	3.00E-23	DO
CL372017	RP44_304H8	SP6	12	15203977	15204173	15.20	1.00E-50	RRG
CL369461	RP44_291E8	T7	12	15203977	15204223	15.20	2.00E-48	RRG
CL375783	RP44_436L14	SP6	12	15385747	15386063	15.39	6.00E-08	PTPRO

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CL382438	RP44_324O5	T7	12	15484543	15484598	15.48	4.00E-10	PTPRO
CL377747	RP44_457K20	T7	12	15537187	15537297	15.54	3.00E-23	PTPRO
CL355460	RP44_409D4	T7	12	15631993	15632156	15.63	1.00E-43	PTPRO
CL370597	RP44_295P14	SP6	12	15707846	15707883	15.71	1.00E-06	EPS8
CL352722	RP44_401P9	SP6	12	15801554	15801703	15.80	2.00E-24	EPS8
CL355533	RP44_409D4	SP6	12	15801554	15801703	15.80	2.00E-24	EPS8
CL360967	RP44_343M17	SP6	12	15906367	15906396	15.91	2.00E-06	LOC341469
CL328679	RP44_370H6	SP6	12	15912827	15912960	15.91	3.00E-07	LOC341469
CL360904	RP44_343M17	T7	12	16099519	16099903	16.10	8.00E-45	NA
CL439841	RP44_297L16	T7	12	16320538	16320604	16.32	4.00E-15	LOC341470
CL348740	RP44_275A14	T7	12	16423260	16423756	16.42	1.00E-96	NA
CL389956	RP44_287H14	T7	12	16614862	16614965	16.61	1.00E-20	DAT1
CL338606	RP44_266K12	SP6	12	16630339	16630386	16.63	2.00E-12	DAT1
CL348831	RP44_275A14	SP6	12	16640025	16640602	16.64	e-177	DAT1
CL390027	RP44_287H14	SP6	12	16788853	16788923	16.79	3.00E-07	NA
CL372392	RP44_305F8	T7	12	16800297	16800504	16.80	1.00E-06	NA
CL409223	RP44_417A15	T7	12	16999979	17000060	17.00	3.00E-21	NA
CL372476	RP44_305F8	SP6	12	17003860	17004319	17.00	1.00E-31	NA
CL332600	CH242_12I17	SP6	12	17128865	17129469	17.13	6.00E-74	NA
CL382922	RP44_325C6	SP6	12	17252574	17252842	17.25	4.00E-38	NA
CL357151	RP44_412L1	SP6	12	17269069	17269333	17.27	6.00E-82	NA
CL410255	RP44_418D2	SP6	12	17466621	17466912	17.47	5.00E-76	NA
CL377345	RP44_449J19	SP6	12	17683261	17683488	17.68	8.00E-09	NA
CL387350	RP44_281K6	T7	12	17725698	17726430	17.73	0	NA
CL352278	RP44_314A12	T7	12	18319832	18319897	18.32	2.00E-06	PIK3C2G
CL385668	RP44_332I3	SP6	12	18334366	18334418	18.33	4.00E-06	PIK3C2G
CL344938	RP44_279I14	SP6	12	18345729	18345766	18.35	1.00E-06	PIK3C2G
CL375384	RP44_471P1	T7	12	18345729	18345766	18.35	1.00E-06	PIK3C2G
CL376974	RP44_449C11	SP6	12	18349159	18349224	18.35	2.00E-06	PIK3C2G
CL347221	RP44_272M11	SP6	12	18444317	18444476	18.44	4.00E-41	PIK3C2G
CL365798	RP44_356E17	T7	12	18694869	18694936	18.69	4.00E-10	PIK3C2G
CL359587	RP44_337A15	SP6	12	18884479	18884875	18.88	3.00E-54	NA
CL347149	RP44_272M19	T7	12	18924276	18924342	18.92	4.00E-07	NA
CL351212	RP44_312M11	T7	12	18959486	18959943	18.96	1.00E-10	NA
CL412721	RP44_431O8	SP6	12	18961564	18961678	18.96	6.00E-12	NA
CL361862	RP44_353C5	T7	12	18961564	18961678	18.96	6.00E-12	NA
CL351876	RP44_313P15	T7	12	19040855	19040962	19.04	5.00E-13	NA
CL332759	CH242_12E8	SP6	12	19241836	19241919	19.24	1.00E-07	PEPP2
CL331620	CH242_8M13	SP6	12	19288366	19288640	19.29	2.00E-55	PEPP2
CL342340	RP44_262G1	SP6	12	19345191	19345244	19.35	1.00E-06	PEPP2
CL339884	RP44_256L19	T7	12	19799560	19800068	19.80	5.00E-59	NA
CL323212	RP44_457D16	SP6	12	19993440	19993813	19.99	1.00E-96	NA
CL378357	RP44_424E6	T7	12	20007082	20007740	20.01	e-118	LOC349845
CL385614	RP44_332K11	T7	12	20178556	20178634	20.18	8.00E-13	LOC341475
CL351315	RP44_312E20	T7	12	20230579	20230618	20.23	5.00E-10	LOC341475
CL321386	CH242_15P18	SP6	12	20404428	20404740	20.40	2.00E-48	NA
CL321970	CH242_15P18	T7	12	20583895	20584222	20.58	6.00E-09	PDE3A
CL354391	RP44_406P9	T7	12	20741631	20741926	20.74	2.00E-08	NA
CL327217	RP44_245E10	T7	12	20812451	20812527	20.81	2.00E-15	NA
CL329240	RP44_386B18	SP6	12	20913926	21074408	20.99	3.00E-07	SLC21A8
CL389406	RP44_286F23	SP6	12	21350594	21350800	21.35	1.00E-47	SLC21A3
CL414176	RP44_436E2	T7	12	21360062	21360210	21.36	5.00E-56	SLC21A3
CL389330	RP44_286F23	T7	12	21562713	21562779	21.56	8.00E-10	CGI-141
CL331109	CH242_6D17	SP6	12	21700513	21700669	21.70	1.00E-09	LDHB
CL329261	RP44_386D20	T7	12	21782599	21782751	21.78	3.00E-31	LOC341476
CL375040	RP44_471M7	T7	12	21815068	21815312	21.82	3.00E-07	NA
CL389801	RP44_287I12	T7	12	21827115	21827185	21.83	7.00E-17	KCNJ8
CL325605	RP44_241N18	T7	12	21868979	21869101	21.87	6.00E-43	ABCC9
CL387153	RP44_281A9	T7	12	21991213	21991267	21.99	7.00E-12	ABCC9
CL367454	RP44_367B15	T7	12	21991213	21991267	21.99	6.00E-12	ABCC9
CL359628	RP44_337K17	SP6	12	22075543	22075608	22.08	1.00E-13	NA
CL409637	RP44_417L15	SP6	12	22104218	22104571	22.10	5.00E-12	CMAS
CL328366	RP44_248O10	SP6	12	22114027	22114634	22.11	3.00E-91	CMAS
CL379624	RP44_426N20	SP6	12	22251194	22251254	22.25	2.00E-06	NA
CL359564	RP44_337K17	T7	12	22273255	22273314	22.27	1.00E-07	SIAT8A

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL328286	RP44_248O10	T7	12	22319489	22319617	22.32	3.00E-23	SIAT8A
CL364694	RP44_398L15	T7	12	22535214	22535260	22.54	3.00E-07	KIAA0528
CL357018	RP44_412B3	T7	12	22592119	22592163	22.59	4.00E-06	KIAA0528
CL351562	RP44_313A21	SP6	12	22600045	22600378	22.60	3.00E-26	NA
CL389009	RP44_286C15	T7	12	22611029	22611797	22.61	7.00E-09	NA
CL357101	RP44_412B3	SP6	12	22763542	22763626	22.76	1.00E-15	NA
CL389874	RP44_287G10	SP6	12	22906024	22906159	22.91	2.00E-08	LOC341363
CL386165	RP44_333G12	T7	12	22917317	22917697	22.92	1.00E-19	LOC341363
CL341612	RP44_260P6	SP6	12	22966907	22967449	22.97	4.00E-38	LOC341363
CL337855	RP44_265E24	T7	12	22993373	22993405	22.99	6.00E-06	LOC349847
CL386240	RP44_333G12	SP6	12	23077188	23077589	23.08	e-173	LOC349847
CL411472	RP44_421P8	SP6	12	23099913	23100229	23.10	6.00E-06	NA
CL334572	RP44_251D20	T7	12	23099913	23100229	23.10	4.00E-06	NA
CL358831	RP44_415A6	SP6	12	23247782	23248160	23.25	3.00E-48	LOC341367
CL408466	RP44_415O12	SP6	12	23247837	23248092	23.25	5.00E-43	LOC341367
CL334633	RP44_251D20	SP6	12	23288887	23289381	23.29	2.00E-27	NA
CL411393	RP44_421P8	T7	12	23289917	23289975	23.29	3.00E-07	NA
CL366060	RP44_358G24	T7	12	23290588	23290953	23.29	1.00E-25	NA
CL332703	CH242_12K6	T7	12	23393327	23393460	23.39	4.00E-10	NA
CL366122	RP44_358G24	SP6	12	23504958	23505076	23.51	2.00E-21	NA
CL332791	CH242_12K6	SP6	12	23617522	23618052	23.62	0	SOX5
CL384830	RP44_329N1	SP6	12	23635903	23636140	23.64	1.00E-37	SOX5
CL339263	RP44_268P21	T7	12	23644722	23645185	23.64	e-108	SOX5
CL377929	RP44_422L5	SP6	12	23652077	23652610	23.65	2.00E-33	SOX5
CL387524	RP44_281N15	T7	12	23674895	23675318	23.68	e-123	SOX5
CL355049	RP44_409I17	T7	12	23732244	23732348	23.73	2.00E-06	SOX5
CL384756	RP44_329N1	T7	12	23819259	23819300	23.82	1.00E-06	SOX5
CL355115	RP44_409I17	SP6	12	23938659	23939174	23.94	2.00E-73	SOX5
CL366988	RP44_363I5	SP6	12	24320890	24321089	24.32	4.00E-13	SOX5
CL322781	RP44_437C21	SP6	12	24369780	24370506	24.37	3.00E-36	SOX5
CL322780	RP44_437C21	T7	12	24565381	24565721	24.57	e-107	SOX5
CL346699	RP44_271E4	SP6	12	24733777	24734194	24.73	7.00E-09	NA
CL338834	RP44_267I10	T7	12	24740279	24740686	24.74	3.00E-17	NA
CL387724	RP44_282E13	SP6	12	24857335	24857469	24.86	5.00E-15	NA
CL358220	RP44_414E24	SP6	12	25049360	25049580	25.05	2.00E-51	LOC196415
CL355622	RP44_410G7	T7	12	25082673	25082727	25.08	1.00E-09	NA
CL348089	RP44_273L6	SP6	12	25119539	25119811	25.12	9.00E-32	LRMP
CL389087	RP44_286E1	SP6	12	25204950	25204999	25.20	3.00E-11	FLJ10921
CL358143	RP44_414E24	T7	12	25204950	25204999	25.20	5.00E-09	FLJ10921
CL333292	RP44_249I22	T7	12	25290938	25291001	25.29	2.00E-13	KRAS2
CL390076	RP44_288A19	T7	12	25290938	25291001	25.29	4.00E-13	KRAS2
CL348015	RP44_273L6	T7	12	25296456	25296746	25.30	7.00E-70	KRAS2
CL333516	RP44_249P20	SP6	12	25331860	25332263	25.33	4.00E-44	NA
CL376421	RP44_444D19	T7	12	25345410	25345475	25.35	5.00E-09	NA
CL413000	RP44_431F18	SP6	12	25419682	25419722	25.42	5.00E-06	NA
CL341610	RP44_260P2	SP6	12	25486161	25486777	25.49	3.00E-23	NA
CL378375	RP44_424G18	T7	12	25726082	25726922	25.73	2.00E-18	NA
CL339602	RP44_255B12	SP6	12	25846425	25846680	25.85	6.00E-85	NA
CL388635	RP44_285A17	SP6	12	26178011	26178449	26.18	2.00E-57	BHLHB3
CL346097	RP44_269L3	SP6	12	26208802	26209259	26.21	7.00E-45	LOC341369
CL361327	RP44_350A9	SP6	12	26209493	26209743	26.21	2.00E-51	LOC341369
CL361254	RP44_350A9	T7	12	26209493	26209743	26.21	3.00E-51	LOC341369
CL328507	RP44_248N9	SP6	12	26213194	26213467	26.21	2.00E-06	LOC341369
CL358839	RP44_415A22	SP6	12	26335242	26335652	26.34	6.00E-15	NA
CL386262	RP44_333K22	SP6	12	26489921	26490308	26.49	4.00E-07	ITPR2
CL358756	RP44_415A22	T7	12	26490266	26490847	26.49	3.00E-38	ITPR2
CL377704	RP44_457C6	T7	12	26669803	26669890	26.67	4.00E-10	ITPR2
CL337887	RP44_265K22	T7	12	26862266	26862354	26.86	3.00E-20	ITPR2
CL342178	RP44_261F6	SP6	12	26874722	26874978	26.87	6.00E-06	ITPR2
CL362080	RP44_353F5	SP6	12	26963202	26963296	26.96	3.00E-10	FLJ10637
CL337968	RP44_265K22	SP6	12	27007715	27007991	27.01	1.00E-07	DKFZP564O1863
CL361073	RP44_343J9	SP6	12	27077722	27077858	27.08	2.00E-24	SURB7
CL379409	RP44_426F15	SP6	12	27141707	27653747	27.40	2.00E-08	PPFIBP1
CL371106	RP44_301K3	SP6	12	27292332	27292404	27.29	1.00E-10	NA
CL327959	RP44_246L22	T7	12	27369871	27369966	27.37	8.00E-20	STK38L

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CL377669	RP44_457K23	SP6	12	27440620	27441159	27.44	5.00E-10	ARNTL2
CL379616	RP44_426N2	SP6	12	27504140	27504312	27.50	1.00E-06	LOC160514
CL384367	RP44_328N16	SP6	12	27572122	27572279	27.57	2.00E-49	NA
CL355197	RP44_409K24	T7	12	27609169	27609592	27.61	5.00E-09	PPF1BP1
CL332802	CH242_12M8	SP6	12	27723503	27723658	27.72	4.00E-19	PPF1BP1
CL384284	RP44_328N16	T7	12	27749760	27750157	27.75	3.00E-84	LOC341347
CL387146	RP44_280P18	SP6	12	27916815	27917210	27.92	1.00E-10	LOC349851
CL348160	RP44_274I19	T7	12	27947421	27947486	27.95	7.00E-08	LOC349851
CL353879	RP44_403L14	SP6	12	28068885	28069108	28.07	8.00E-36	NA
CL345865	RP44_280P18	T7	12	28068885	28069108	28.07	2.00E-33	NA
CL340944	RP44_258D6	SP6	12	28114574	28114615	28.11	1.00E-06	LOC349852
CL330818	CH242_4J8	SP6	12	28127236	28127385	28.13	1.00E-13	LOC349852
CL383538	RP44_326N22	T7	12	28225778	28226091	28.23	5.00E-85	NA
CL365527	RP44_353N24	SP6	12	28503351	28503622	28.50	8.00E-42	FLJ11088
CL334843	RP44_252O19	SP6	12	28732163	28732259	28.73	5.00E-25	LOC349853
CL351838	RP44_313H19	T7	12	28991708	28991802	28.99	1.00E-16	LOC349854
CL339090	RP44_268K2	T7	12	29002035	29002355	29.00	5.00E-65	LOC349854
CL352211	RP44_314A17	SP6	12	29124723	29124889	29.12	3.00E-17	LOC121174
CL339806	RP44_256K17	SP6	12	29219091	29219152	29.22	3.00E-11	FLJ10462
CL363028	RP44_383A1	SP6	12	29237001	29237458	29.24	3.00E-10	FLJ10462
CL326967	RP44_244L18	T7	12	29286595	29286672	29.29	1.00E-09	FLJ10462
CL346531	RP44_270D8	SP6	12	29431697	29431737	29.43	2.00E-08	LOC51290
CL336052	RP44_255M23	T7	12	29505973	29506043	29.51	7.00E-12	LOC341350
CL351588	RP44_313G15	SP6	12	29565245	30610729	30.09	9.00E-27	ARG99
CL379554	RP44_426B8	SP6	12	29572953	29573099	29.57	2.00E-12	ARG99
CL374248	RP44_469D18	SP6	12	29654099	29654146	29.65	9.00E-08	ARG99
CL362248	RP44_375L12	T7	12	29675816	30465046	30.07	1.00E-37	ARG99
CL352155	RP44_314E17	T7	12	29770825	29771188	29.77	1.00E-19	ARG99
CL348742	RP44_275A18	T7	12	29912779	29912874	29.91	1.00E-07	NA
CL379452	RP44_426P1	SP6	12	30076623	30076767	30.08	5.00E-12	NA
CL350061	RP44_310E20	T7	12	30297179	30297235	30.30	3.00E-08	LOC341351
CL362319	RP44_375L12	SP6	12	30588982	30589132	30.59	2.00E-12	NA
CL380352	RP44_429E19	T7	12	30728089	30728208	30.73	7.00E-18	IPO8
CL324185	RP44_474A2	SP6	12	30965385	30965456	30.97	5.00E-06	NA
CL369001	RP44_290A9	T7	12	31462574	31462610	31.46	4.00E-06	MGC24039
CL329026	RP44_382L15	T7	12	31551535	31551888	31.55	3.00E-17	NA
CL359743	RP44_337I22	SP6	12	32038906	32039169	32.04	8.00E-32	FLJ10652
CL359685	RP44_337I22	T7	12	32202336	32202741	32.20	4.00E-10	BICD1
CL339061	RP44_268C12	T7	12	32241614	32241843	32.24	1.00E-12	BICD1
CL356905	RP44_412G12	T7	12	32395219	32395809	32.40	5.00E-12	BICD1
CL339130	RP44_268C12	SP6	12	32440962	32441336	32.44	2.00E-12	NA
CL383532	RP44_326L24	T7	12	32502021	32502073	32.50	6.00E-06	NA
CL320853	CH242_13J15	SP6	12	32650673	32650741	32.65	5.00E-06	FRABIN
CL336154	RP44_255B19	T7	12	32798911	32799009	32.80	3.00E-26	CGI-04
CL334637	RP44_251F6	SP6	12	32799411	32799460	32.80	6.00E-09	CGI-04
CL390257	RP44_288E2	T7	12	32880410	32880771	32.88	4.00E-72	PKP2
CL320769	CH242_13M9	T7	12	32926151	32926227	32.93	6.00E-06	PKP2
CL413598	RP44_433N22	T7	12	33060128	33060212	33.06	8.00E-18	LOC283343
CL413676	RP44_433N22	SP6	12	33202772	33202834	33.20	4.00E-07	LOC283343
CL348498	RP44_274P2	T7	12	33406057	33406271	33.41	4.00E-25	NA
CL337400	RP44_264H19	T7	12	33716623	33716713	33.72	5.00E-12	LOC349860
CL371932	RP44_304H2	T7	12	34107516	34107591	34.11	7.00E-06	LOC144631
CL335703	RP44_254A7	T7	12	38777745	38778756	38.78	3.00E-11	LOC144402
CL357700	RP44_413J17	T7	12	38819650	38819727	38.82	1.00E-06	LOC144402
CL413928	RP44_435K8	SP6	12	39180424	39180627	39.18	3.00E-35	LOC121216
CL358041	RP44_414M13	T7	12	39180424	39180627	39.18	2.00E-35	LOC121216
CL383997	RP44_327B8	SP6	12	39381833	39381987	39.38	4.00E-10	NA
CL354188	RP44_405N12	T7	12	39381833	39381987	39.38	4.00E-10	NA
CL387758	RP44_282M7	SP6	12	39426394	39426669	39.43	4.00E-47	KIF21A
CL370783	RP44_300G17	SP6	12	39530652	39530979	39.53	5.00E-13	KIF21A
CL365065	RP44_400O14	SP6	12	39551970	39552209	39.55	1.00E-36	KIF21A
CL358469	RP44_414J16	T7	12	39552548	39552632	39.55	5.00E-06	KIF21A
CL344494	RP44_278P5	SP6	12	39979215	39979440	39.98	6.00E-34	SLC2A13
CL321231	CH242_15J9	T7	12	40024143	40024193	40.02	4.00E-07	SLC2A13
CL386167	RP44_333G16	T7	12	40026800	40027071	40.03	4.00E-13	SLC2A13

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL326567	RP44_243D22	SP6	12	40086064	40086306	40.09	1.00E-40	SLC2A13
CL321232	CH242_15J9	SP6	12	40173895	40174238	40.17	1.00E-53	SLC2A13
CL324296	RP44_474K4	SP6	12	40360557	40361925	40.36	1.00E-59	NA
CL323033	RP44_455F12	SP6	12	40443616	40443991	40.44	3.00E-19	DKFZp434H2111
CL343838	RP44_277I4	SP6	12	40457401	40457842	40.46	2.00E-24	DKFZp434H2111
CL385007	RP44_330G17	T7	12	40469908	40470003	40.47	2.00E-15	DKFZp434H2111
CL324295	RP44_474K4	T7	12	40537712	40537776	40.54	2.00E-08	NA
CL389695	RP44_287A17	SP6	12	40552415	40552566	40.55	2.00E-36	NA
CL439696	RP44_297N15	T7	12	40567503	40567642	40.57	1.00E-12	NA
CL340153	RP44_257G11	T7	12	40771126	40771236	40.77	2.00E-09	NA
CL389618	RP44_287A17	T7	12	40778659	40778733	40.78	2.00E-21	NA
CL373434	RP44_308F7	SP6	12	40779183	40779676	40.78	4.00E-10	NA
CL439771	RP44_297N15	SP6	12	40783429	40783917	40.78	2.00E-17	NA
CL387276	RP44_281K17	SP6	12	40830195	40830255	40.83	3.00E-08	CNTN1
CL340229	RP44_257G11	SP6	12	40945000	40945272	40.95	2.00E-61	CNTN1
CL439911	RP44_297J18	SP6	12	41090392	41090697	41.09	2.00E-09	CNTN1
CL339593	RP44_255P12	T7	12	41090392	41090697	41.09	4.00E-07	CNTN1
CL333309	RP44_249O10	T7	12	41091435	41091630	41.09	2.00E-79	CNTN1
CL388675	RP44_285K9	SP6	12	41091487	41091630	41.09	3.00E-54	CNTN1
CL331152	CH242_6L23	SP6	12	41130864	41131017	41.13	1.00E-56	CNTN1
CL334024	RP44_250D4	SP6	12	41139183	41139235	41.14	2.00E-08	CNTN1
CL364768	RP44_398J17	SP6	12	41177681	41177879	41.18	1.00E-34	CNTN1
CL369550	RP44_291K12	SP6	12	41319068	41319261	41.32	4.00E-07	LOC341549
CL333359	RP44_249O10	SP6	12	41319203	41319312	41.32	4.00E-09	LOC341549
CL388599	RP44_285K9	T7	12	41342258	41342544	41.34	1.00E-10	LOC341549
CL333950	RP44_250D4	T7	12	41379740	41380040	41.38	2.00E-98	NA
CL364685	RP44_398J17	T7	12	41382138	41382504	41.38	e-104	NA
CL411112	RP44_420I16	SP6	12	41382970	41383112	41.38	5.00E-31	NA
CL374194	RP44_469J8	T7	12	41471832	41472372	41.47	e-104	NA
CL349795	RP44_309P8	T7	12	41521077	41521328	41.52	3.00E-14	NA
CL411045	RP44_420I16	T7	12	41563815	41564311	41.56	e-153	DKFZp434B0417
CL363466	RP44_388B19	SP6	12	41605030	41605343	41.61	1.00E-21	DKFZp434B0417
CL385886	RP44_332J5	T7	12	41650055	41650317	41.65	9.00E-35	DKFZp434B0417
CL358062	RP44_414A21	SP6	12	41652731	41652903	41.65	1.00E-09	DKFZp434B0417
CL323408	RP44_458M17	SP6	12	41791695	41791728	41.79	1.00E-06	LOC341550
CL323427	RP44_458O17	SP6	12	41791695	41791843	41.79	2.00E-06	LOC341550
CL414179	RP44_436E8	T7	12	42052691	42053140	42.05	e-115	NA
CL360608	RP44_340D18	T7	12	42270402	42270823	42.27	e-119	YAF2
CL412699	RP44_431K12	SP6	12	42514733	42514795	42.51	6.00E-12	PPHLN1
CL321586	CH242_13G16	T7	12	42669241	42669290	42.67	2.00E-06	PRICKLE1
CL390360	RP44_288I16	SP6	12	42850046	42850165	42.85	2.00E-29	NA
CL410519	RP44_419C8	SP6	12	42925416	42925664	42.93	5.00E-80	LOC349793
CL344649	RP44_278P6	SP6	12	42972885	42972947	42.97	2.00E-09	LOC349793
CL320329	CH242_6B16	T7	12	43068698	43068761	43.07	8.00E-06	NA
CL328402	RP44_248H13	T7	12	43461918	43462007	43.46	2.00E-11	NA
CL388817	RP44_285I2	SP6	12	43794865	52278972	48.04	9.00E-08	NA
CL321962	CH242_15N24	T7	12	44504995	44505654	44.51	9.00E-70	NA
CL411395	RP44_421P12	T7	12	44689643	44689855	44.69	4.00E-09	NELL2
CL373752	RP44_469C19	SP6	12	44831226	44831567	44.83	2.00E-39	NELL2
CL385556	RP44_330P8	SP6	12	44907116	44907415	44.91	6.00E-43	NELL2
CL352092	RP44_313J6	SP6	12	44969734	44969788	44.97	4.00E-07	NELL2
CL385474	RP44_330P8	T7	12	44969734	44969788	44.97	4.00E-07	NELL2
CL374370	RP44_470M1	T7	12	45127109	54085887	49.61	7.00E-30	HOXC11
CL329994	CH242_3C6	T7	12	45153615	45153686	45.15	1.00E-12	LOC341558
CL384522	RP44_329K21	SP6	12	45175391	50114850	47.65	7.00E-41	RACGAP1
CL376966	RP44_449A19	SP6	12	45436451	45436507	45.44	2.00E-08	DKFZp313M0720
CL323702	RP44_458L16	SP6	12	45436451	45436507	45.44	2.00E-08	DKFZp313M0720
CL330697	CH242_4P19	SP6	12	45831648	45831963	45.83	8.00E-42	NA
CL410125	RP44_418H9	T7	12	45866180	45866241	45.87	9.00E-07	LOC341560
CL356424	RP44_411I4	SP6	12	46098513	46098599	46.10	1.00E-09	SFRS2IP
CL381422	RP44_315L16	T7	12	46214433	46214771	46.21	3.00E-19	NA
CL347941	RP44_273K6	SP6	12	46314848	46315333	46.32	9.00E-20	SLC38A1
CL349628	RP44_309L19	T7	12	46518337	46518545	46.52	4.00E-31	NA
CL411036	RP44_420G10	T7	12	46666657	46666848	46.67	2.00E-19	NA
CL339492	RP44_268P10	SP6	12	46736326	46736481	46.74	1.00E-21	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL348597	RP44_275C15	T7	12	46766985	46767200	46.77	3.00E-36	NA
CL367806	RP44_372P17	T7	12	46810948	46811448	46.81	3.00E-11	NA
CL377443	RP44_449P10	T7	12	46915009	46915243	46.92	2.00E-18	SLC38A4
CL383539	RP44_326P2	T7	12	46950838	46950870	46.95	6.00E-06	NA
CL348673	RP44_275C15	SP6	12	46983252	46983517	46.98	6.00E-06	NA
CL321863	CH242_15K15	T7	12	47302969	47303032	47.30	2.00E-12	LOC341563
CL360131	RP44_338J8	SP6	12	47699676	47699745	47.70	2.00E-11	LOC341565
CL377650	RP44_457I3	SP6	12	47699676	47699745	47.70	2.00E-11	LOC341565
CL388593	RP44_285I15	T7	12	47839423	47839500	47.84	5.00E-09	LOC144266
CL377567	RP44_457I3	T7	12	47922571	47922941	47.92	1.00E-49	HDAC7A
CL360200	RP44_338J8	T7	12	47931914	47932002	47.93	1.00E-08	NA
CL340041	RP44_256P8	T7	12	48255152	48255645	48.26	6.00E-40	PFKM
CL326318	RP44_243K22	T7	12	48477172	48477221	48.48	1.00E-06	NA
CL370629	RP44_296E23	T7	12	48790190	48790357	48.79	6.00E-70	FLJ20436
CL326261	RP44_243O9	SP6	12	48894988	48895044	48.90	3.00E-09	ADCY6
CL338377	RP44_266M15	T7	12	49057481	49057743	49.06	8.00E-24	ARF3
CL412439	RP44_431I5	T7	12	49066562	49066847	49.07	8.00E-54	ARF3
CL338577	RP44_266E18	SP6	12	49129669	49129875	49.13	5.00E-28	MLL2
CL358693	RP44_415E23	SP6	12	49174830	49175563	49.18	1.00E-65	MGC34869
CL345580	RP44_280I10	SP6	12	49308562	49309376	49.31	5.00E-19	NA
CL349844	RP44_309J12	SP6	12	49464652	57005182	53.23	9.00E-08	NA
CL326537	RP44_243N12	T7	12	49478266	49478369	49.48	4.00E-18	FLJ13117
CL345621	RP44_280D5	T7	12	49604980	49605452	49.61	1.00E-56	FLJ13117
CL359428	RP44_336H12	T7	12	49651385	49651567	49.65	3.00E-74	KCNH3
CL379383	RP44_426B1	SP6	12	49651385	49651647	49.65	e-119	KCNH3
CL350211	RP44_310D5	T7	12	49748320	49748365	49.75	1.00E-13	NA
CL383528	RP44_326L8	T7	12	50096770	50096826	50.10	5.00E-06	NA
CL409286	RP44_417M9	T7	12	50120462	50120549	50.12	4.00E-13	RACGAP1
CL409361	RP44_417M9	SP6	12	50297918	50298027	50.30	9.00E-14	EPLIN
CL412198	RP44_430J3	T7	12	50341503	50341558	50.34	7.00E-13	EPLIN
CL326595	RP44_243J16	SP6	12	50749123	50749291	50.75	4.00E-25	FLJ34278
CL335930	RP44_254D10	SP6	12	50817046	50817311	50.82	4.00E-62	KIAA1463
CL377314	RP44_449F1	SP6	12	50821363	50821717	50.82	4.00E-16	KIAA1463
CL335374	RP44_253E24	SP6	12	50998206	50998359	51.00	5.00E-18	LOC283471
CL386528	RP44_334E16	SP6	12	51045513	51045663	51.05	3.00E-19	NA
CL368093	RP44_288H23	T7	12	51221207	51221421	51.22	1.00E-10	TFCP2
CL333424	RP44_249L24	T7	12	51456121	51456208	51.46	6.00E-08	ELA1
CL330860	CH242_6A1	T7	12	51475538	51475601	51.48	8.00E-08	GALNT6
CL348487	RP44_274L22	T7	12	51533629	51533743	51.53	5.00E-19	SLC4A8
CL384781	RP44_329B11	SP6	12	51579653	51579858	51.58	4.00E-37	SLC4A8
CL378363	RP44_424E18	T7	12	51579653	51579861	51.58	2.00E-42	SLC4A8
CL323547	RP44_458M18	SP6	12	51804355	51805184	51.80	5.00E-34	SCN8A
CL365878	RP44_356I19	SP6	12	51810865	51811425	51.81	3.00E-08	SCN8A
CL388742	RP44_285I2	T7	12	52066058	52066307	52.07	1.00E-13	ACVR1B
CL342487	RP44_262C8	SP6	12	52139861	52140467	52.14	1.00E-15	NA
CL338544	RP44_266O18	T7	12	52349208	52921358	52.64	4.00E-28	KRT4
CL413658	RP44_433L8	SP6	12	52364229	52510683	52.44	2.00E-18	KRTHB2
CL413580	RP44_433L8	T7	12	52603890	52604245	52.60	2.00E-80	NA
CL348020	RP44_273L18	T7	12	53154655	53155006	53.15	2.00E-42	LOC283335
CL349887	RP44_310A17	T7	12	53328667	53328722	53.33	2.00E-13	RARG
CL352025	RP44_313L16	T7	12	53333325	53333644	53.33	2.00E-42	RARG
CL334805	RP44_252G13	SP6	12	53344268	53344618	53.34	5.00E-52	NA
CL348094	RP44_273L18	SP6	12	53344494	53344618	53.34	7.00E-38	NA
CL385479	RP44_330P20	T7	12	53344843	53345420	53.35	8.00E-61	NA
CL323163	RP44_457L5	SP6	12	53622568	53622652	53.62	3.00E-23	FLJ30317
CL347563	RP44_272B4	T7	12	53698991	53699290	53.70	4.00E-09	ATF7
CL360321	RP44_339K7	SP6	12	53957323	53957561	53.96	4.00E-09	NA
CL333401	RP44_249H16	T7	12	54138478	54139004	54.14	3.00E-91	HOXC5
CL334297	RP44_251I22	T7	12	54249899	54249958	54.25	9.00E-08	NA
CL367384	RP44_367C6	SP6	12	54375693	54376134	54.38	e-152	CBX5
CL334376	RP44_251I22	SP6	12	54424930	54424993	54.42	5.00E-15	NA
CL331380	CH242_7J21	T7	12	54439465	54439596	54.44	9.00E-17	COPZ1
CL332132	CH242_10A12	T7	12	54518167	54518725	54.52	6.00E-49	ITGA5
CL367302	RP44_367C6	T7	12	54529341	54529855	54.53	2.00E-86	ITGA5
CL389250	RP44_286E2	SP6	12	54550311	54550379	54.55	6.00E-06	NA

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CL363374	RP44_383L9	SP6	12	54620371	54621598	54.62	2.00E-79	HEM1
CL339067	RP44_268C24	T7	12	54660666	54661032	54.66	4.00E-43	PDE1B
CL326338	RP44_243A10	SP6	12	54686073	54686173	54.69	5.00E-27	PDE1B
CL388838	RP44_285K24	SP6	12	55108810	55109113	55.11	3.00E-82	NA
CL333592	RP44_250C3	SP6	12	55357912	55685354	55.52	1.00E-18	LOC121129
CL326066	RP44_242H12	SP6	12	55357987	55603135	55.48	3.00E-10	LOC254783
CL365787	RP44_356C5	T7	12	55358178	55633921	55.50	3.00E-97	LOC341418
CL383886	RP44_327I22	SP6	12	55358456	55662550	55.51	2.00E-18	LOC341418
CL362286	RP44_375D14	SP6	12	55358524	55685680	55.52	5.00E-62	LOC121129
CL383124	RP44_325J15	SP6	12	55358524	55685730	55.52	1.00E-71	LOC121129
CL383130	RP44_325L3	SP6	12	55358524	55685730	55.52	1.00E-71	LOC121129
CL371646	RP44_304O6	T7	12	55358657	55685736	55.52	4.00E-28	LOC121129
CL362690	RP44_380L7	T7	12	55358659	55603681	55.48	7.00E-12	LOC341418
CL375755	RP44_436F20	SP6	12	55370674	55370722	55.37	3.00E-08	NA
CL353112	RP44_402O4	T7	12	55431824	55685736	55.56	3.00E-27	LOC121129
CL414391	RP44_436P19	T7	12	55795996	55796558	55.80	3.00E-08	ITGA7
CL351447	RP44_312N2	SP6	12	55881242	55881853	55.88	4.00E-24	CIP29
CL335614	RP44_253L22	T7	12	55938320	55938744	55.94	e-148	CIP29
CL354894	RP44_408L3	T7	12	55939456	55940218	55.94	1.00E-65	CIP29
CL382572	RP44_324J5	T7	12	56078059	56078746	56.08	4.00E-66	CDK2
CL322116	RP44_399N19	SP6	12	56307440	56307598	56.31	8.00E-14	NA
CL387014	RP44_335G20	T7	12	56326909	56327207	56.33	e-117	SBB103
CL379524	RP44_426L18	T7	12	56531937	56532029	56.53	3.00E-26	TIMELESS
CL374593	RP44_470E10	SP6	12	56565721	56565857	56.57	2.00E-39	NA
CL374508	RP44_470E10	T7	12	56727257	56727772	56.73	4.00E-07	BAZ2A
CL368917	RP44_289B4	SP6	12	57049096	57092686	57.07	8.00E-14	LOC341428
CL380406	RP44_429O17	T7	12	57444900	57445167	57.45	1.00E-31	NA
CL409670	RP44_417D8	T7	12	57522712	57523209	57.52	1.00E-10	NA
CL378286	RP44_423D20	SP6	12	57622221	57622409	57.62	9.00E-66	MARS
CL380492	RP44_429O17	SP6	12	57622221	57622409	57.62	1.00E-65	MARS
CL322532	RP44_405H19	SP6	12	57662227	57662305	57.66	1.00E-09	KIF5A
CL362877	RP44_380D16	SP6	12	57721394	57721660	57.72	5.00E-42	GEFT
CL364904	RP44_400K21	T7	12	57859843	57860079	57.86	1.00E-29	CDK4
CL362804	RP44_380D16	T7	12	57877657	57877798	57.88	2.00E-19	CYP27B1
CL352128	RP44_313P16	SP6	12	57882865	57883304	57.88	5.00E-12	DKFZP586D0919
CL373959	RP44_469K8	SP6	12	57979330	57979585	57.98	3.00E-86	NA
CL351373	RP44_312K6	SP6	12	58041438	58041584	58.04	2.00E-23	NA
CL352047	RP44_313P16	T7	12	58048552	58048594	58.05	3.00E-07	NA
CL367038	RP44_364C21	T7	12	58064109	58064284	58.06	4.00E-47	KUB3
CL342191	RP44_261H16	SP6	12	58248734	58248801	58.25	3.00E-17	NA
CL380451	RP44_429G21	SP6	12	58366302	58366620	58.37	1.00E-07	NA
CL376104	RP44_443E6	T7	12	58469973	58470104	58.47	3.00E-22	LOC338806
CL380364	RP44_429G21	T7	12	58594615	58594754	58.59	6.00E-18	NA
CL363244	RP44_383M12	SP6	12	58644615	58645113	58.64	5.00E-06	LOC349800
CL376494	RP44_444H24	T7	12	58648294	58648506	58.65	1.00E-34	LOC349800
CL337060	RP44_264A17	T7	12	58699412	58699504	58.70	2.00E-08	LOC341429
CL336588	RP44_263C10	T7	12	58701193	58701286	58.70	3.00E-23	LOC341429
CL368602	RP44_289A20	SP6	12	58751829	58751859	58.75	4.00E-07	LOC341429
CL337140	RP44_264A17	SP6	12	58872695	58873334	58.87	2.00E-46	LOC341430
CL374176	RP44_469F10	T7	12	59070302	59070451	59.07	3.00E-23	LOC347917
CL339794	RP44_256I13	SP6	12	59070854	59070903	59.07	6.00E-09	LOC347917
CL351979	RP44_313D12	T7	12	59070854	59070903	59.07	6.00E-09	LOC347917
CL334051	RP44_250H20	SP6	12	59083886	59084210	59.08	1.00E-06	LOC347917
CL352065	RP44_313D12	SP6	12	59262654	59262723	59.26	2.00E-06	LOC341432
CL333975	RP44_250H20	T7	12	59266050	59266265	59.27	4.00E-10	LOC341432
CL377203	RP44_449M10	SP6	12	59701390	59701512	59.70	3.00E-26	NA
CL372088	RP44_305E9	T7	12	59834037	59834159	59.83	6.00E-07	SLC16A7
CL377115	RP44_449M10	T7	12	59899515	59899793	59.90	1.00E-07	NA
CL322788	RP44_437E7	SP6	12	59899893	59900057	59.90	1.00E-31	NA
CL330670	CH242_4J21	SP6	12	59919991	59920063	59.92	7.00E-09	NA
CL330609	CH242_4J21	T7	12	60103577	60104558	60.10	1.00E-56	NA
CL321444	CH242_20D2	SP6	12	60173575	60173643	60.17	2.00E-08	NA
CL322197	RP44_404K21	SP6	12	61110157	61110231	61.11	6.00E-12	PGBD3P1
CL388521	RP44_284L12	SP6	12	61463649	61463703	61.46	1.00E-07	LOC341397
CL330163	CH242_3D1	T7	12	61540955	61541047	61.54	6.00E-11	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL330046	CH242_3M10	T7	12	61561367	61561581	61.56	5.00E-06	NA
CL378968	RP44_425C12	SP6	12	61819568	61819738	61.82	8.00E-24	LOC338811
CL411992	RP44_430O20	T7	12	62099969	62100606	62.10	3.00E-57	LOC338811
CL347017	RP44_271D24	SP6	12	62116805	62117300	62.12	5.00E-19	LOC338811
CL383808	RP44_327I24	T7	12	62370238	62370340	62.37	3.00E-26	NA
CL383887	RP44_327I24	SP6	12	62574876	62575430	62.58	4.00E-10	NA
CL410830	RP44_419P2	SP6	12	62645901	62646243	62.65	7.00E-92	KIAA1040
CL384273	RP44_328L16	T7	12	62708568	62708905	62.71	2.00E-11	NA
CL348096	RP44_273L24	SP6	12	62728259	62728296	62.73	1.00E-06	LOC349802
CL371933	RP44_304H4	T7	12	62756243	62756385	62.76	5.00E-19	KIAA1157
CL348692	RP44_275G19	SP6	12	62794303	62794335	62.79	7.00E-06	KIAA1157
CL412832	RP44_431F1	SP6	12	63379361	63379450	63.38	1.00E-06	NA
CL337228	RP44_264C6	T7	12	63660506	63856060	63.76	6.00E-18	NA
CL375135	RP44_471O3	SP6	12	63963498	63963550	63.96	2.00E-08	LOC341316
CL372744	RP44_306H16	T7	12	64194483	64194617	64.19	2.00E-08	SRGAP1
CL372827	RP44_306H16	SP6	12	64395143	64395279	64.40	2.00E-30	LOC115749
CL372516	RP44_305N2	SP6	12	64492931	64492989	64.49	9.00E-17	LOC115749
CL381494	RP44_315J20	SP6	12	64576914	64576961	64.58	5.00E-06	TBK1
CL381523	RP44_315P20	SP6	12	64576914	64576961	64.58	5.00E-06	TBK1
CL414313	RP44_436O24	SP6	12	64921823	64921879	64.92	2.00E-08	KIAA0984
CL409556	RP44_417H19	T7	12	64929383	64929481	64.93	2.00E-07	KIAA0984
CL358865	RP44_335C20	SP6	12	64938050	64938427	64.94	3.00E-25	KIAA0984
CL320746	CH242_13K3	SP6	12	64953884	64954100	64.95	2.00E-52	KIAA0984
CL363831	RP44_392K22	T7	12	65019864	65020134	65.02	7.00E-32	LOC341318
CL414235	RP44_436O24	T7	12	65102683	65102929	65.10	e-102	LOC341319
CL347024	RP44_271F14	SP6	12	65126475	65126640	65.13	6.00E-35	LOC341319
CL386997	RP44_335C20	T7	12	65126475	65126734	65.13	5.00E-55	LOC341319
CL343048	RP44_276K23	SP6	12	65177071	65177231	65.18	2.00E-21	WIF1
CL321308	CH242_15P23	T7	12	65399063	65399670	65.40	7.00E-06	LOC253827
CL349557	RP44_309M6	SP6	12	65569207	65569511	65.57	2.00E-30	LOC253827
CL341401	RP44_260F13	SP6	12	65704724	65705012	65.70	5.00E-20	LOC283407
CL350016	RP44_310M1	SP6	12	65721529	65721611	65.72	2.00E-12	LOC283407
CL383747	RP44_327M11	SP6	12	66019444	66019991	66.02	1.00E-74	HMGA2
CL347775	RP44_273G19	SP6	12	66489797	66489869	66.49	2.00E-25	GRIP1
CL379653	RP44_428C7	T7	12	66700874	66701178	66.70	5.00E-31	GRIP1
CL354494	RP44_407K24	T7	12	66760438	66760512	66.76	3.00E-07	GRIP1
CL378868	RP44_425M17	SP6	12	66812817	66813167	66.81	6.00E-68	NA
CL379737	RP44_428C7	SP6	12	66862217	66862475	66.86	2.00E-37	LOC256609
CL322191	RP44_404K15	SP6	12	66863209	66863272	66.86	4.00E-15	LOC256609
CL412214	RP44_430N1	T7	12	67028313	67028377	67.03	4.00E-10	LOC341323
CL411542	RP44_422M14	T7	12	67092061	67092168	67.09	1.00E-10	LOC341323
CL389927	RP44_287B8	T7	12	67126154	67126274	67.13	2.00E-08	LOC349805
CL357795	RP44_413N9	SP6	12	67177694	67178074	67.18	1.00E-37	LOC160584
CL372518	RP44_305N6	SP6	12	67196684	67197276	67.20	1.00E-13	LOC160584
CL389584	RP44_286L10	SP6	12	67251005	67251139	67.25	3.00E-20	NA
CL411805	RP44_430K17	T7	12	67469885	67470073	67.47	4.00E-09	LOC341324
CL360207	RP44_338L6	T7	12	67508745	67509034	67.51	1.00E-28	LOC341325
CL341732	RP44_261G21	SP6	12	67628579	67628659	67.63	3.00E-20	NA
CL411889	RP44_430K17	SP6	12	67647179	67647342	67.65	7.00E-08	NA
CL346381	RP44_270F23	SP6	12	67840652	67841018	67.84	2.00E-33	LOC341329
CL409988	RP44_418K10	T7	12	67893125	67893573	67.89	1.00E-07	LOC341329
CL368103	RP44_288L5	T7	12	67941147	67941441	67.94	1.00E-07	NA
CL365433	RP44_353L20	T7	12	68184809	68184877	68.18	4.00E-07	LOC341333
CL345374	RP44_280O17	T7	12	68295510	68295543	68.30	2.00E-06	LOC341334
CL365558	RP44_354E15	T7	12	68426375	68426617	68.43	6.00E-08	MDM1
CL365595	RP44_354O1	T7	12	68426375	68426713	68.43	2.00E-36	MDM1
CL409311	RP44_417A13	SP6	12	68426375	68426749	68.43	1.00E-40	MDM1
CL345651	RP44_280H19	T7	12	68600826	68601157	68.60	9.00E-30	LOC341338
CL351281	RP44_312K21	SP6	12	68627256	68627384	68.63	1.00E-06	LOC341338
CL383059	RP44_325N19	T7	12	68693943	68694157	68.69	7.00E-55	NA
CL379331	RP44_426F23	T7	12	68753947	68753993	68.75	1.00E-07	RAP1B
CL413966	RP44_435F11	T7	12	68799470	68799631	68.80	4.00E-45	NUP107
CL382261	RP44_323L12	T7	12	68819763	68819799	68.82	6.00E-06	NUP107
CL325303	RP44_241I9	T7	12	69027654	69027721	69.03	1.00E-12	CPM
CL381819	RP44_316O6	SP6	12	69249083	69249172	69.25	3.00E-16	LOC349810

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL365789	RP44_356C9	T7	12	69554477	69554674	69.55	5.00E-09	LOC349811
CL380232	RP44_428P20	T7	12	69609768	69610113	69.61	1.00E-07	SNT-1
CL389342	RP44_286J7	T7	12	69760054	69760454	69.76	5.00E-15	VMD2L3
CL324998	RP44_478N18	SP6	12	69762901	69763286	69.76	4.00E-25	VMD2L3
CL356107	RP44_410N20	T7	12	69830185	69830475	69.83	2.00E-12	NA
CL357691	RP44_413H23	T7	12	69975502	69975551	69.98	1.00E-06	NA
CL360268	RP44_339M9	T7	12	70090730	70090838	70.09	1.00E-10	NA
CL344731	RP44_279O17	T7	12	70311296	70311377	70.31	3.00E-11	NA
CL350459	RP44_310F6	SP6	12	70389668	70390231	70.39	5.00E-13	CNOT2
CL325232	RP44_479N3	SP6	12	70420406	70420450	70.42	1.00E-10	CNOT2
CL369779	RP44_292O16	SP6	12	70424006	70424061	70.42	9.00E-08	CNOT2
CL339436	RP44_268D6	SP6	12	70470603	70470903	70.47	2.00E-45	NA
CL380970	RP44_314D9	SP6	12	70718881	70719340	70.72	1.00E-28	PTPRB
CL385597	RP44_332G11	T7	12	70952698	70952755	70.95	5.00E-07	PTPRR
CL339646	RP44_255L6	SP6	12	70959997	70960061	70.96	1.00E-10	PTPRR
CL386030	RP44_332H16	T7	12	71077659	71077727	71.08	4.00E-11	LOC349813
CL381566	RP44_316G23	T7	12	71275116	71275417	71.28	2.00E-61	TM4SF3
CL348171	RP44_274M1	T7	12	71275116	71275459	71.28	1.00E-68	TM4SF3
CL321058	CH242_15G20	SP6	12	71333232	71333351	71.33	7.00E-12	TM4SF3
CL388064	RP44_284O9	SP6	12	71554992	71555363	71.56	2.00E-11	GPR49
CL351094	RP44_311H8	SP6	12	71555559	71555930	71.56	2.00E-33	GPR49
CL364015	RP44_393G6	SP6	12	71585768	71585985	71.59	1.00E-09	GPR49
CL361737	RP44_351J13	T7	12	71593551	71593600	71.59	2.00E-06	GPR49
CL336956	RP44_263N14	T7	12	72050112	72050632	72.05	1.00E-47	TPH2
CL332315	CH242_10B19	T7	12	72102341	72102432	72.10	2.00E-12	TPH2
CL335864	RP44_254F6	T7	12	72117557	72118074	72.12	8.00E-92	TPH2
CL410148	RP44_418N15	T7	12	72152367	72152772	72.15	1.00E-64	NA
CL376325	RP44_444K9	T7	12	72293934	72294622	72.29	3.00E-29	NA
CL411325	RP44_420H12	T7	12	72326430	72326516	72.33	7.00E-08	NA
CL356317	RP44_411K9	SP6	12	72583548	72583719	72.58	7.00E-51	TRHDE
CL439859	RP44_297P10	T7	12	72644585	72644635	72.64	4.00E-07	TRHDE
CL361779	RP44_351B11	SP6	12	72644585	72644843	72.64	3.00E-11	TRHDE
CL359924	RP44_338O21	SP6	12	72650914	72651344	72.65	3.00E-39	TRHDE
CL439936	RP44_297P10	SP6	12	72798824	72799022	72.80	4.00E-28	NA
CL361701	RP44_351B11	T7	12	72803859	72803925	72.80	3.00E-07	LOC338768
CL321625	CH242_13O12	T7	12	72972060	72972135	72.97	1.00E-07	LOC338768
CL410189	RP44_418F18	T7	12	73223586	73223720	73.22	2.00E-26	LOC341343
CL327898	RP44_246P9	SP6	12	73223586	73223754	73.22	2.00E-27	LOC341343
CL353522	RP44_403C16	T7	12	73585748	73585861	73.59	1.00E-16	NA
CL335122	RP44_252L15	SP6	12	74143365	74143577	74.14	6.00E-52	NA
CL414387	RP44_436P11	T7	12	74263954	74264590	74.26	2.00E-06	MGC10600
CL411699	RP44_429H1	SP6	12	74263954	74264602	74.26	3.00E-11	MGC10600
CL388374	RP44_284N3	SP6	12	74360101	74360311	74.36	3.00E-50	MGC10600
CL335038	RP44_252L15	T7	12	74369678	74370286	74.37	e-123	MGC10600
CL324095	RP44_463B24	SP6	12	74369724	74370292	74.37	e-104	MGC10600
CL341807	RP44_261G6	T7	12	74369881	74370374	74.37	2.00E-95	MGC10600
CL366801	RP44_362N22	T7	12	74370024	74370381	74.37	7.00E-76	MGC10600
CL385509	RP44_330F16	SP6	12	74413238	74413639	74.41	4.00E-07	NA
CL376745	RP44_445H23	T7	12	74417728	74417929	74.42	3.00E-13	NA
CL408490	RP44_415F5	T7	12	74484653	74484779	74.48	9.00E-11	NA
CL408568	RP44_415F5	SP6	12	74760557	74760745	74.76	5.00E-56	LOC255731
CL382780	RP44_325E13	SP6	12	75068112	75068512	75.07	1.00E-89	LOC341345
CL384591	RP44_329I24	T7	12	75091039	75091259	75.09	1.00E-50	LOC341345
CL369121	RP44_290I3	SP6	12	75121430	75121598	75.12	1.00E-10	NA
CL376275	RP44_443N17	SP6	12	75153952	75154124	75.15	4.00E-32	KCNC2
CL412942	RP44_431J24	T7	12	75238306	75238678	75.24	8.00E-15	KCNC2
CL380125	RP44_428N3	SP6	12	75481446	75481523	75.48	6.00E-09	CAPS2
CL380043	RP44_428N3	T7	12	75654318	75654481	75.65	3.00E-17	NA
CL362870	RP44_380D2	SP6	12	75658880	75659047	75.66	3.00E-20	NA
CL336786	RP44_263L1	T7	12	75669089	75669581	75.67	1.00E-44	NA
CL388000	RP44_284O19	T7	12	75682170	75682530	75.68	5.00E-13	NA
CL387643	RP44_282C23	T7	12	75989906	75991187	75.99	5.00E-06	LOC349817
CL381984	RP44_323E14	T7	12	76569254	76569350	76.57	2.00E-15	LOC341281
CL339847	RP44_256D21	T7	12	77203970	77204101	77.20	7.00E-15	CSRP2
CL325491	RP44_241F15	SP6	12	77242591	77242730	77.24	2.00E-27	NA

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CL334647	RP44_251H6	SP6	12	77397633	77398065	77.40	3.00E-07	NA
CL343857	RP44_277K24	SP6	12	77902373	77902540	77.90	7.00E-46	LOC349761
CL383253	RP44_325D2	SP6	12	78112913	78113289	78.11	7.00E-64	NA
CL341172	RP44_260E19	SP6	12	78142139	78142554	78.14	6.00E-24	NA
CL360440	RP44_339K20	SP6	12	78168775	78168831	78.17	2.00E-08	NAV3
CL342587	RP44_262F19	T7	12	78259434	78259494	78.26	6.00E-06	NAV3
CL383170	RP44_325D2	T7	12	78291475	78291871	78.29	1.00E-29	NAV3
CL357296	RP44_412J12	SP6	12	78475570	78475657	78.48	2.00E-34	NAV3
CL372642	RP44_306D21	SP6	12	78512925	78513249	78.51	3.00E-10	NAV3
CL357223	RP44_412J12	T7	12	78633542	78633834	78.63	8.00E-87	NA
CL366841	RP44_362H6	SP6	12	78742705	78742854	78.74	1.00E-25	LOC341286
CL329841	CH242_3E21	T7	12	78798563	78798904	78.80	2.00E-67	NA
CL324482	RP44_474P18	SP6	12	78942953	78943059	78.94	1.00E-26	LOC144172
CL414325	RP44_436D5	T7	12	78949488	78949984	78.95	e-139	LOC144172
CL349361	RP44_309E11	SP6	12	78985166	78985194	78.99	6.00E-06	LOC144172
CL380666	RP44_429O14	SP6	12	79029491	79029797	79.03	2.00E-06	NA
CL368963	RP44_289J14	SP6	12	79128853	85748534	82.44	4.00E-09	NA
CL325082	RP44_479G15	T7	12	79194846	79194930	79.19	3.00E-13	SYT1
CL371300	RP44_302D9	T7	12	79202711	79203095	79.20	1.00E-34	SYT1
CL380579	RP44_429O14	T7	12	79271138	79271238	79.27	4.00E-07	SYT1
CL368881	RP44_289J14	T7	12	79326138	79326403	79.33	2.00E-20	SYT1
CL341921	RP44_261K18	SP6	12	79328329	79328506	79.33	3.00E-35	SYT1
CL345889	RP44_269I8	T7	12	79330531	79330689	79.33	3.00E-29	SYT1
CL329741	RP44_394J16	SP6	12	79590188	79590232	79.59	2.00E-08	SYT1
CL348841	RP44_275C12	SP6	12	79615438	79615765	79.62	e-100	SYT1
CL339348	RP44_268B12	T7	12	79616067	79616304	79.62	2.00E-85	SYT1
CL336090	RP44_255E13	SP6	12	79884464	79884851	79.88	6.00E-89	LOC338756
CL411724	RP44_429L13	SP6	12	79884464	79884925	79.88	e-102	LOC338756
CL412937	RP44_431J14	T7	12	79925351	79925398	79.93	5.00E-06	PAWR
CL336011	RP44_255E13	T7	12	80073745	80073810	80.07	2.00E-11	NA
CL357371	RP44_413I15	T7	12	80259041	80259190	80.26	7.00E-18	PPP1R12A
CL337224	RP44_264A16	T7	12	80629514	80629643	80.63	6.00E-26	NA
CL377469	RP44_449F4	SP6	12	80891862	80891958	80.89	3.00E-23	NA
CL374027	RP44_469J3	T7	12	81347505	81347583	81.35	3.00E-14	NA
CL374114	RP44_469J3	SP6	12	81581570	81581639	81.58	7.00E-09	FLJ21963
CL378410	RP44_424A18	SP6	12	82187064	82187130	82.19	2.00E-09	LOC341289
CL339867	RP44_256J3	T7	12	82509655	82509960	82.51	7.00E-12	NA
CL341575	RP44_260J2	SP6	12	82604524	82604829	82.60	2.00E-61	NA
CL323700	RP44_458L14	SP6	12	82782849	82783132	82.78	8.00E-08	FLJ22789
CL335970	RP44_254L12	SP6	12	82782849	82783212	82.78	3.00E-20	FLJ22789
CL364743	RP44_398F7	SP6	12	82782849	82783212	82.78	6.00E-15	FLJ22789
CL356897	RP44_412E16	T7	12	83006727	83006845	83.01	6.00E-12	LOC349762
CL373774	RP44_469G19	SP6	12	83022251	83022290	83.02	1.00E-07	DKFZp762A217
CL373783	RP44_469I17	SP6	12	83022251	83022290	83.02	9.00E-08	DKFZp762A217
CL342622	RP44_262L23	T7	12	83022251	83022290	83.02	7.00E-08	DKFZp762A217
CL373686	RP44_469G19	T7	12	83206781	83207069	83.21	6.00E-31	DKFZp762A217
CL355051	RP44_409I21	T7	12	83206832	83206992	83.21	4.00E-18	DKFZp762A217
CL373695	RP44_469I17	T7	12	83206943	83207069	83.21	1.00E-16	DKFZp762A217
CL346750	RP44_271O10	SP6	12	83357125	83357192	83.36	3.00E-08	DKFZp762A217
CL383690	RP44_327A3	SP6	12	83488526	83489022	83.49	1.00E-37	NA
CL347102	RP44_272E5	T7	12	83654187	83654256	83.65	3.00E-11	LOC341291
CL387007	RP44_335G2	T7	12	84192386	84192522	84.19	5.00E-06	NA
CL388533	RP44_284N20	SP6	12	84237689	84238294	84.24	8.00E-08	NA
CL343662	RP44_277C19	SP6	12	84353781	84354007	84.35	2.00E-06	NA
CL359756	RP44_337M20	SP6	12	84924957	84925086	84.93	2.00E-06	NA
CL342603	RP44_262J9	T7	12	85053524	85053572	85.05	6.00E-06	NA
CL330131	CH242_3M4	SP6	12	85203168	85203255	85.20	1.00E-09	NTT73
CL383068	RP44_325P15	T7	12	85263386	85263489	85.26	2.00E-09	NA
CL364121	RP44_396K15	T7	12	85570667	85570826	85.57	4.00E-22	LOC283393
CL382190	RP44_323N7	T7	12	85612388	85612523	85.61	8.00E-11	CART1
CL370011	RP44_293G24	T7	12	85745656	85745909	85.75	2.00E-29	NA
CL389007	RP44_286C11	T7	12	85793647	85793719	85.79	3.00E-08	NA
CL367686	RP44_372C5	SP6	12	85926689	85927034	85.93	2.00E-27	NA
CL348001	RP44_273H20	T7	12	85983660	85983871	85.98	2.00E-20	LOC349765
CL348010	RP44_273J20	T7	12	85983660	85983871	85.98	2.00E-20	LOC349765

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CL353821	RP44_403N12	T7	12	86021610	86021956	86.02	6.00E-31	LOC349765
CL412080	RP44_430B7	SP6	12	86416463	86416799	86.42	3.00E-10	HGNT-IV-H
CL346423	RP44_270N17	SP6	12	86579097	86579215	86.58	2.00E-21	HGNT-IV-H
CL343409	RP44_276B14	T7	12	86794760	86794817	86.79	6.00E-09	HGNT-IV-H
CL384983	RP44_330A9	T7	12	87296675	87296757	87.30	7.00E-06	LOC286590
CL349854	RP44_309L12	SP6	12	87316762	87317077	87.32	1.00E-53	LOC286590
CL330740	CH242_4J12	T7	12	87540674	87540734	87.54	3.00E-13	LOC286590
CL323514	RP44_458I24	SP6	12	87636996	87637585	87.64	2.00E-37	LOC286590
CL363040	RP44_383C9	SP6	12	87848243	87848327	87.85	7.00E-11	NA
CL323513	RP44_458I24	T7	12	87912802	87913239	87.91	9.00E-42	NA
CL333589	RP44_250A15	SP6	12	87956128	87956225	87.96	6.00E-09	LOC121026
CL369745	RP44_292I2	SP6	12	88425692	88425768	88.43	9.00E-11	FLJ13615
CL371896	RP44_304P15	SP6	12	88522910	88523199	88.52	3.00E-08	NA
CL329678	RP44_394D6	T7	12	88583377	88583450	88.58	2.00E-11	NA
CL411643	RP44_422B9	T7	12	89100688	89100996	89.10	1.00E-16	NA
CL368508	RP44_289O13	SP6	12	89100688	89101182	89.10	1.00E-16	NA
CL377889	RP44_422B9	SP6	12	89283705	89283819	89.28	1.00E-09	LOC347893
CL353795	RP44_403H12	T7	12	89493484	89493866	89.49	2.00E-17	NA
CL383292	RP44_325J16	SP6	12	89523876	89523962	89.52	4.00E-07	NA
CL362215	RP44_375D22	T7	12	89543627	89543775	89.54	3.00E-54	NA
CL384968	RP44_329N20	SP6	12	89585441	89585490	89.59	7.00E-07	NA
CL324999	RP44_478N20	T7	12	89943997	89944306	89.94	1.00E-18	ATP2B1
CL341403	RP44_260F17	SP6	12	89944057	89944306	89.94	4.00E-28	ATP2B1
CL413146	RP44_432C11	SP6	12	90107001	90107041	90.11	3.00E-08	NA
CL325000	RP44_478N20	SP6	12	90167712	90167748	90.17	3.00E-06	LOC349768
CL341327	RP44_260F17	T7	12	90173620	90173848	90.17	8.00E-14	LOC349768
CL326874	RP44_244G10	SP6	12	90174279	90174461	90.17	5.00E-22	LOC349768
CL327176	RP44_245K15	SP6	12	90470971	90471351	90.47	4.00E-10	NA
CL334047	RP44_250H12	SP6	12	90497128	90497405	90.50	9.00E-08	NA
CL346227	RP44_270E5	SP6	12	90497128	90497405	90.50	1.00E-07	NA
CL371526	RP44_302F16	SP6	12	90568824	90568860	90.57	6.00E-06	LOC341297
CL327102	RP44_245K15	T7	12	90658616	90658996	90.66	5.00E-40	LOC341297
CL344482	RP44_278N1	SP6	12	90758054	90758105	90.76	7.00E-06	NA
CL335827	RP44_254M9	SP6	12	90758533	90758638	90.76	1.00E-06	NA
CL329694	RP44_394F6	T7	12	90758533	90758638	90.76	1.00E-06	NA
CL376066	RP44_443K5	T7	12	90912393	90912480	90.91	1.00E-07	LOC341298
CL345937	RP44_269C2	SP6	12	91024893	91025495	91.03	5.00E-90	NA
CL360792	RP44_341B6	SP6	12	91096560	91096857	91.10	8.00E-30	NA
CL367886	RP44_374F9	T7	12	91321890	91322397	91.32	1.00E-59	DSPG3
CL440023	RP44_299E22	T7	12	91400244	91400531	91.40	1.00E-18	NA
CL367944	RP44_374F9	SP6	12	91504057	91504273	91.50	2.00E-08	DCN
CL344201	RP44_278E24	T7	12	91705231	91705295	91.71	2.00E-08	LOC341299
CL356236	RP44_411G23	T7	12	91808836	91808946	91.81	1.00E-17	NA
CL356492	RP44_411H23	T7	12	91808836	91808946	91.81	2.00E-17	NA
CL368830	RP44_289P11	SP6	12	91808867	91808946	91.81	2.00E-10	NA
CL361491	RP44_350F4	SP6	12	91808886	91808946	91.81	1.00E-08	NA
CL356307	RP44_411G23	SP6	12	92004277	92004462	92.00	4.00E-54	NA
CL356556	RP44_411H23	SP6	12	92004277	92004462	92.00	5.00E-56	NA
CL344467	RP44_278J15	SP6	12	92207151	92207192	92.21	1.00E-06	LOC349770
CL410421	RP44_419G7	SP6	12	92257902	92258361	92.26	e-155	NA
CL371308	RP44_302F5	T7	12	92278510	92279214	92.28	5.00E-06	NA
CL380502	RP44_429A16	T7	12	92600417	92600502	92.60	1.00E-06	NA
CL380210	RP44_428L20	T7	12	92692154	92692203	92.69	1.00E-06	LOC349773
CL377187	RP44_449K2	SP6	12	93002678	93002979	93.00	4.00E-10	NA
CL369729	RP44_292E14	SP6	12	93056207	93056278	93.06	8.00E-08	NA
CL366011	RP44_356N12	SP6	12	93102533	93102907	93.10	e-120	EEA1
CL330874	CH242_6C7	T7	12	93105812	93105894	93.11	2.00E-07	EEA1
CL330687	CH242_4N15	SP6	12	93107945	93108004	93.11	4.00E-10	EEA1
CL381139	RP44_314F18	SP6	12	93107945	93108004	93.11	4.00E-10	EEA1
CL363381	RP44_383N5	SP6	12	93107945	93108004	93.11	4.00E-10	EEA1
CL379926	RP44_428E22	SP6	12	93107945	93108004	93.11	4.00E-10	EEA1
CL380266	RP44_428F22	SP6	12	93107945	93108004	93.11	4.00E-10	EEA1
CL350066	RP44_310G8	T7	12	93107945	93108004	93.11	5.00E-10	EEA1
CL411775	RP44_430E23	T7	12	93107945	93108004	93.11	1.00E-07	EEA1
CL359466	RP44_336P14	T7	12	93108669	93108863	93.11	1.00E-40	EEA1

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL372298	RP44_305B23	SP6	12	93111789	93112032	93.11	5.00E-19	EEA1
CL359844	RP44_338O17	T7	12	93111972	93112032	93.11	1.00E-15	EEA1
CL414253	RP44_436C24	SP6	12	93112537	93112600	93.11	6.00E-06	EEA1
CL352362	RP44_401K5	T7	12	93112537	93112600	93.11	3.00E-06	EEA1
CL349156	RP44_308J18	T7	12	93114069	93114290	93.11	4.00E-10	EEA1
CL366784	RP44_362J22	T7	12	93114069	93114290	93.11	3.00E-10	EEA1
CL375385	RP44_471P3	T7	12	93114483	93114734	93.11	2.00E-24	EEA1
CL375375	RP44_471N3	T7	12	93114483	93114751	93.11	3.00E-26	EEA1
CL339116	RP44_268O18	T7	12	93114483	93114830	93.11	7.00E-58	EEA1
CL351476	RP44_313A21	T7	12	93114483	93114830	93.11	8.00E-58	EEA1
CL362136	RP44_375M19	T7	12	93122887	93122958	93.12	7.00E-08	EEA1
CL383877	RP44_327G24	SP6	12	93137966	93138019	93.14	7.00E-09	EEA1
CL376503	RP44_444N22	T7	12	93183940	93184415	93.18	1.00E-34	EEA1
CL376558	RP44_444N22	SP6	12	93183940	93184415	93.18	1.00E-34	EEA1
CL347556	RP44_272P7	SP6	12	93494449	93494768	93.49	4.00E-28	LOC341444
CL341819	RP44_261I12	T7	12	93502252	93502538	93.50	1.00E-53	NA
CL337817	RP44_265O9	SP6	12	93548745	93548799	93.55	4.00E-07	LOC341445
CL341906	RP44_261I12	SP6	12	93700012	93700176	93.70	3.00E-19	NA
CL345768	RP44_280N13	SP6	12	93723624	93723711	93.72	5.00E-22	NUDT4
CL337737	RP44_265O9	T7	12	93748756	93748932	93.75	4.00E-10	UBE2N
CL340477	RP44_257L17	T7	12	93920944	93921259	93.92	4.00E-34	NA
CL354551	RP44_407K6	SP6	12	93921685	93921758	93.92	3.00E-16	NA
CL330011	CH242_3G2	T7	12	94057756	94057963	94.06	4.00E-10	CRADD
CL330099	CH242_3G2	SP6	12	94248031	94248119	94.25	8.00E-11	CRADD
CL409232	RP44_417C9	T7	12	94248037	94248119	94.25	4.00E-07	CRADD
CL409452	RP44_417A2	SP6	12	94284013	94284495	94.28	4.00E-56	CRADD
CL348311	RP44_274J7	T7	12	94546134	94546166	94.55	6.00E-06	PLXNC1
CL340167	RP44_257I19	T7	12	95370511	95370723	95.37	2.00E-08	NR2C1
CL336528	RP44_263G23	SP6	12	95479490	95479728	95.48	1.00E-37	FLJ11183
CL364307	RP44_396O20	T7	12	95554834	95555198	95.56	4.00E-28	VEZATIN
CL336310	RP44_263G23	T7	12	95722026	95722156	95.72	9.00E-08	LOC341452
CL365104	RP44_400H15	T7	12	95990457	95990607	95.99	6.00E-43	NTN4
CL389958	RP44_287H22	T7	12	96062210	96062383	96.06	4.00E-24	NTN4
CL350510	RP44_310P14	SP6	12	96128330	96128461	96.13	3.00E-10	NA
CL351015	RP44_311H16	T7	12	96129060	96129529	96.13	3.00E-32	NA
CL365188	RP44_400H15	SP6	12	96245612	96245675	96.25	7.00E-15	LOC120935
CL341297	RP44_260O13	T7	12	96300268	96300330	96.30	1.00E-09	HAL
CL351098	RP44_311H16	SP6	12	96352797	96353201	96.35	2.00E-18	LTA4H
CL390244	RP44_288A14	T7	12	96354168	96354290	96.35	2.00E-52	LTA4H
CL409499	RP44_417I24	SP6	12	96536082	96536336	96.54	1.00E-43	ELK3
CL321546	CH242_13A4	T7	12	96548522	96548565	96.55	4.00E-08	ELK3
CL374813	RP44_470P1	SP6	12	96661047	96661116	96.66	6.00E-07	PCTK2
CL384806	RP44_329H3	SP6	12	96661472	96661579	96.66	2.00E-21	PCTK2
CL387672	RP44_282I21	T7	12	96894216	96894378	96.89	1.00E-09	LOC196476
CL358346	RP44_414B5	SP6	12	97004416	97004624	97.00	8.00E-08	NA
CL328812	RP44_373F18	T7	12	97114951	97115364	97.12	9.00E-08	NA
CL337086	RP44_264G5	T7	12	97366635	97366899	97.37	1.00E-13	NA
CL374085	RP44_469D7	SP6	12	97371001	97371135	97.37	6.00E-15	NA
CL350680	RP44_311C20	T7	12	97543700	97544228	97.54	e-114	NA
CL378760	RP44_425I5	T7	12	97581288	97581742	97.58	7.00E-61	LOC283414
CL412787	RP44_431L19	T7	12	97583971	97584142	97.58	4.00E-16	LOC283414
CL378841	RP44_425I5	SP6	12	97781479	97781589	97.78	4.00E-07	NA
CL358811	RP44_415M6	T7	12	97822566	97822977	97.82	e-141	NCRMS
CL342658	RP44_262D15	SP6	12	97845997	97846172	97.85	2.00E-09	NCRMS
CL413525	RP44_433M24	SP6	12	97845997	97846172	97.85	2.00E-09	NCRMS
CL350731	RP44_311O2	T7	12	97845997	97846172	97.85	2.00E-09	NCRMS
CL363490	RP44_388H17	SP6	12	97866593	97866797	97.87	8.00E-63	NCRMS
CL342714	RP44_262N21	SP6	12	97890295	97890908	97.89	e-176	NCRMS
CL439702	RP44_297P7	T7	12	97957519	97957717	97.96	5.00E-55	NA
CL350806	RP44_311O2	SP6	12	98046142	98046258	98.05	2.00E-15	NA
CL342573	RP44_262D15	T7	12	98048347	98048427	98.05	2.00E-15	NA
CL374539	RP44_470K8	T7	12	98085471	98085739	98.09	2.00E-14	NA
CL342632	RP44_262N21	T7	12	98111955	98112020	98.11	2.00E-09	NA
CL369773	RP44_292M24	SP6	12	98504722	98504938	98.50	7.00E-49	LOC341455
CL378674	RP44_424F8	SP6	12	98566937	98567507	98.57	6.00E-89	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL369842	RP44_292M24	T7	12	98688471	98688989	98.69	4.00E-19	NA
CL330655	CH242_4F23	SP6	12	99155875	99156172	99.16	e-131	EB-1
CL364889	RP44_400E11	T7	12	99179577	99179704	99.18	8.00E-12	EB-1
CL356607	RP44_411F10	T7	12	99181961	99182255	99.18	3.00E-32	EB-1
CL370446	RP44_295N21	SP6	12	99325696	99326116	99.33	2.00E-36	EB-1
CL330595	CH242_4F23	T7	12	99335150	99335252	99.34	3.00E-10	EB-1
CL356154	RP44_410H8	SP6	12	99378484	99379021	99.38	1.00E-10	EB-1
CL371873	RP44_304L9	SP6	12	99400788	99400891	99.40	1.00E-07	EB-1
CL322551	RP44_405J19	SP6	12	99417094	99417484	99.42	4.00E-13	EB-1
CL354108	RP44_405I20	SP6	12	99417096	99417240	99.42	2.00E-10	EB-1
CL349836	RP44_309H16	SP6	12	99499931	99500487	99.50	1.00E-10	NA
CL323765	RP44_459F9	T7	12	99522466	99522543	99.52	3.00E-11	NA
CL331595	CH242_8I5	SP6	12	99539408	99539962	99.54	1.00E-09	NA
CL374623	RP44_470K4	SP6	12	99552764	99552995	99.55	1.00E-07	NA
CL371123	RP44_301O11	SP6	12	99771217	99771499	99.77	5.00E-33	LOC349780
CL409615	RP44_417H7	SP6	12	99955081	99955302	99.96	2.00E-14	NA
CL376919	RP44_449I5	T7	12	99955232	99956005	99.96	2.00E-14	NA
CL378740	RP44_425E5	T7	12	99999890	99999946	100.00	4.00E-13	NA
CL409841	RP44_418I11	SP6	12	100000367	100000507	100.00	7.00E-11	NA
CL369070	RP44_290M23	T7	12	100034636	100035004	100.03	6.00E-43	NA
CL340319	RP44_257I16	T7	12	100215114	100215469	100.22	7.00E-39	NA
CL350772	RP44_311G14	SP6	12	100655286	100655732	100.66	2.00E-12	FLJ10074
CL354054	RP44_405C12	T7	12	100661556	100661655	100.66	5.00E-08	FLJ10074
CL360125	RP44_338H14	SP6	12	100661556	100661765	100.66	9.00E-08	FLJ10074
CL328867	RP44_373L14	T7	12	100661556	100661765	100.66	9.00E-08	FLJ10074
CL325068	RP44_479E19	T7	12	100760095	100760458	100.76	1.00E-64	LOC349782
CL320727	CH242_13I3	T7	12	100781607	100781868	100.78	1.00E-56	NA
CL360193	RP44_338H14	T7	12	100819694	100819906	100.82	3.00E-07	NR1H4
CL328868	RP44_373L14	SP6	12	100819694	100820078	100.82	4.00E-07	NR1H4
CL377417	RP44_449J4	T7	12	100819837	100820078	100.82	2.00E-10	NR1H4
CL354095	RP44_405C12	SP6	12	100827769	100827820	100.83	3.00E-10	NR1H4
CL376249	RP44_443H17	SP6	12	101066074	101066106	101.07	2.00E-08	LOC349783
CL382855	RP44_325E6	T7	12	101084945	101085103	101.09	1.00E-31	LOC349783
CL378317	RP44_423N10	SP6	12	101225407	101225485	101.23	4.00E-07	FLJ34221
CL349585	RP44_309B19	T7	12	101691455	101691527	101.69	6.00E-06	DRIM
CL378553	RP44_424F19	SP6	12	101721362	101722038	101.72	1.00E-10	ARL1
CL350755	RP44_311C24	SP6	12	101721382	101722038	101.72	1.00E-10	ARL1
CL324098	RP44_463D4	T7	12	101721783	101721890	101.72	3.00E-09	ARL1
CL361907	RP44_353M7	T7	12	101757261	101757453	101.76	4.00E-59	NA
CL349654	RP44_309B19	SP6	12	101909714	101910194	101.91	4.00E-10	NA
CL363821	RP44_392I8	T7	12	101910834	101910919	101.91	4.00E-09	NA
CL361974	RP44_353M7	SP6	12	101947701	101947759	101.95	1.00E-06	MYBPC1
CL363885	RP44_392I8	SP6	12	102056617	102056944	102.06	6.00E-09	SYCP3
CL340142	RP44_257E9	T7	12	102354684	102354781	102.35	2.00E-11	CGI-116
CL325067	RP44_479E17	SP6	12	102395160	102395280	102.40	3.00E-07	NA
CL337035	RP44_263N12	SP6	12	102474927	102475195	102.48	9.00E-73	FLJ20641
CL340219	RP44_257E9	SP6	12	102525046	102525118	102.53	3.00E-13	NA
CL328922	RP44_382B7	T7	12	102704121	102704241	102.70	2.00E-20	NA
CL382413	RP44_324I13	T7	12	102726867	102727276	102.73	5.00E-06	IGF1
CL374981	RP44_471A17	T7	12	102739899	102740483	102.74	4.00E-87	IGF1
CL375150	RP44_471A16	T7	12	102739923	102740452	102.74	8.00E-76	IGF1
CL412528	RP44_431K11	SP6	12	102744275	102744782	102.74	2.00E-45	IGF1
CL329330	RP44_386N4	T7	12	102788948	102789122	102.79	2.00E-07	IGF1
CL324832	RP44_478F21	SP6	12	102869289	102869468	102.87	3.00E-55	NA
CL382497	RP44_324I13	SP6	12	102869289	102869514	102.87	2.00E-70	NA
CL328923	RP44_382B7	SP6	12	102889791	102890044	102.89	2.00E-09	LOC341485
CL338135	RP44_265N9	SP6	12	102943383	102943426	102.94	1.00E-07	LOC341485
CL334358	RP44_251E24	SP6	12	103050736	103051119	103.05	2.00E-18	NA
CL352845	RP44_401H6	SP6	12	103285183	103285319	103.29	2.00E-08	ASCL1
CL346590	RP44_270N22	SP6	12	103377071	103377302	103.38	4.00E-19	LOC341486
CL389759	RP44_287A2	T7	12	103402693	103402757	103.40	3.00E-08	LOC341486
CL367450	RP44_367B7	T7	12	103468985	103469054	103.47	5.00E-09	NA
CL340759	RP44_258L7	T7	12	103486680	103486744	103.49	7.00E-11	NA
CL408412	RP44_415E10	SP6	12	103646547	103647103	103.65	e-164	LOC144184
CL349019	RP44_275F3	SP6	12	104062209	104062514	104.06	9.00E-11	STAB2

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL348936	RP44_275F3	T7	12	104242269	104242793	104.24	4.00E-69	LOC283350
CL373120	RP44_307F17	SP6	12	104376033	104376174	104.38	4.00E-15	LOC83468
CL374912	RP44_470D6	SP6	12	104591174	104591232	104.59	2.00E-14	TXNRD1
CL375907	RP44_441H14	T7	12	105001349	105001401	105.00	1.00E-08	C4ST
CL410956	RP44_420G3	SP6	12	105469158	105469295	105.47	3.00E-66	KIAA1033
CL410872	RP44_420G3	T7	12	105469158	105469295	105.47	2.00E-66	KIAA1033
CL320579	CH242_10L4	T7	12	105491361	105491500	105.49	4.00E-50	KIAA1033
CL376414	RP44_444B19	T7	12	105495690	105495814	105.50	2.00E-29	KIAA1033
CL376481	RP44_444D22	T7	12	105692512	105692629	105.69	6.00E-21	LOC341375
CL324497	RP44_475E23	T7	12	105819305	105819372	105.82	3.00E-27	LOC341376
CL324544	RP44_475F24	T7	12	105819305	105819396	105.82	3.00E-34	LOC341376
CL335258	RP44_253I13	SP6	12	105819305	105819402	105.82	8.00E-38	LOC341376
CL334054	RP44_250J2	SP6	12	105819914	105820275	105.82	1.00E-86	LOC341376
CL372638	RP44_306D11	SP6	12	105999283	105999554	106.00	6.00E-52	LOC349787
CL372450	RP44_305P18	T7	12	106187357	106187591	106.19	3.00E-38	NA
CL372439	RP44_305N16	T7	12	106187357	106187630	106.19	2.00E-55	NA
CL366314	RP44_358D10	T7	12	106248856	106249114	106.25	2.00E-17	NA
CL362788	RP44_380P19	SP6	12	106423084	106423502	106.42	1.00E-52	ARK5
CL335622	RP44_253P4	T7	12	106431409	106431457	106.43	2.00E-08	ARK5
CL335690	RP44_253P4	SP6	12	106667370	106667478	106.67	7.00E-11	MGC40368
CL334442	RP44_251H17	T7	12	106737529	106737754	106.74	1.00E-71	RPC2
CL380998	RP44_314J9	SP6	12	106754002	106754329	106.75	2.00E-30	RPC2
CL376593	RP44_445G11	T7	12	106754584	106755039	106.75	1.00E-34	RPC2
CL342601	RP44_262J5	T7	12	106815365	106815560	106.82	3.00E-20	RPC2
CL334516	RP44_251H17	SP6	12	106957078	106957466	106.96	e-132	RFX4
CL376662	RP44_445G11	SP6	12	106957084	106957499	106.96	7.00E-82	RFX4
CL409066	RP44_416L1	T7	12	106975234	106975271	106.98	7.00E-07	RFX4
CL409346	RP44_417I15	SP6	12	107328650	107329081	107.33	9.00E-11	CRY1
CL321964	CH242_15P4	T7	12	107331501	107331538	107.33	2.00E-06	CRY1
CL376822	RP44_445H3	SP6	12	107453913	107453953	107.45	5.00E-06	LOC341380
CL362648	RP44_380O15	SP6	12	107548942	107549035	107.55	5.00E-16	NA
CL351873	RP44_313P9	T7	12	107570194	107570417	107.57	4.00E-31	LOC341381
CL359442	RP44_336J22	T7	12	107804643	107804773	107.80	1.00E-12	LOC144278
CL332986	CH242_12D16	SP6	12	108265930	108266055	108.27	5.00E-18	NA
CL340412	RP44_257M22	SP6	12	108763989	108764201	108.76	3.00E-78	NA
CL326546	RP44_243P12	T7	12	108851033	108851233	108.85	8.00E-54	SART3
CL327759	RP44_246M14	SP6	12	109724350	109724461	109.72	3.00E-53	NA
CL338788	RP44_267O11	SP6	12	110123778	110124119	110.12	4.00E-13	TRPV4
CL323431	RP44_458O21	SP6	12	110171826	110171963	110.17	2.00E-14	NA
CL339016	RP44_268G17	SP6	12	110342694	110343092	110.34	8.00E-23	NY-REN-25
CL327205	RP44_245A12	T7	12	110354707	110355048	110.35	2.00E-54	NY-REN-25
CL375351	RP44_471H17	T7	12	110477414	110477555	110.48	3.00E-22	CDV-1
CL360538	RP44_339D3	SP6	12	110522479	110522602	110.52	5.00E-18	CDV-1
CL375558	RP44_471B18	SP6	12	110652867	110652980	110.65	9.00E-10	ATP2A2
CL327457	RP44_245N15	SP6	12	110780621	110780689	110.78	5.00E-09	VPS29
CL339069	RP44_268E10	T7	12	110812162	110812404	110.81	1.00E-51	FLJ40346
CL388164	RP44_284C18	SP6	12	110814812	110815290	110.82	3.00E-69	TA-PP2C
CL389828	RP44_287M20	T7	12	110816972	110817277	110.82	4.00E-65	TA-PP2C
CL409569	RP44_417L21	T7	12	110849858	110849919	110.85	8.00E-12	TA-PP2C
CL375507	RP44_471H10	T7	12	112467550	112467656	112.47	3.00E-26	LOC347958
CL320238	CH242_2M2	T7	12	112588533	112588812	112.59	1.00E-43	NA
CL375231	RP44_471O22	T7	12	112799334	112799374	112.80	2.00E-08	LOC349876
CL410233	RP44_418N20	T7	12	112960209	112960265	112.96	6.00E-06	LOC349876
CL339618	RP44_255F8	SP6	12	112998789	112999005	113.00	2.00E-62	NA
CL353156	RP44_402G14	SP6	12	113314220	113314762	113.31	5.00E-49	DTX1
CL333480	RP44_249H18	SP6	12	113358743	113358899	113.36	2.00E-08	NA
CL333042	CH242_12P2	SP6	12	113749613	113749813	113.75	2.00E-42	NA
CL345833	RP44_280J22	T7	12	114700915	114701004	114.70	1.00E-28	NA
CL337648	RP44_264L24	SP6	12	114978693	114978740	114.98	9.00E-08	LOC341531
CL355178	RP44_409G24	T7	12	114989212	114989414	114.99	2.00E-27	LOC341531
CL384790	RP44_329D9	SP6	12	115187729	115188032	115.19	9.00E-64	LOC349878
CL337571	RP44_264L24	T7	12	115195606	115195830	115.20	1.00E-65	LOC349878
CL327821	RP44_246N5	T7	12	115196060	115196443	115.20	3.00E-35	LOC349878
CL375522	RP44_471L2	T7	12	115244458	115244819	115.24	2.00E-39	LOC341532
CL364969	RP44_400K12	T7	12	115322201	115322346	115.32	4.00E-16	LOC341532

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL327888	RP44_246N5	SP6	12	115373258	115373631	115.37	6.00E-92	LOC341532
CL408425	RP44_415G14	SP6	12	115376930	115376958	115.38	6.00E-06	LOC341532
CL365048	RP44_400K12	SP6	12	115524609	115524800	115.52	1.00E-27	LOC341533
CL354384	RP44_406N13	T7	12	115598030	115598142	115.60	3.00E-12	NA
CL341618	RP44_260P20	SP6	12	115832266	115832550	115.83	2.00E-76	NA
CL325455	RP44_241N11	T7	12	115917854	115918384	115.92	e-174	NA
CL369577	RP44_292A15	T7	12	116081253	116081589	116.08	e-135	NA
CL383663	RP44_327I21	T7	12	116195679	116195967	116.20	1.00E-62	KIAA1025
CL410080	RP44_418K18	SP6	12	116273331	116273746	116.27	2.00E-20	KIAA1025
CL364859	RP44_400K23	SP6	12	116332068	116332135	116.33	1.00E-19	KIAA1025
CL326513	RP44_243H18	T7	12	116514118	116514654	116.51	7.00E-83	LOC341535
CL356035	RP44_410P15	SP6	12	116520361	116520911	116.52	6.00E-80	LOC341535
CL346928	RP44_271D4	T7	12	116605950	116606028	116.61	1.00E-12	NA
CL355950	RP44_410P15	T7	12	116749636	116749981	116.75	e-104	NA
CL326586	RP44_243H18	SP6	12	116755203	116755714	116.76	e-130	NA
CL408825	RP44_416G17	T7	12	116755303	116755714	116.76	2.00E-73	NA
CL373881	RP44_469K16	T7	12	116841333	116841723	116.84	5.00E-34	NA
CL375360	RP44_471J15	T7	12	116852527	116852600	116.85	9.00E-07	NA
CL342402	RP44_262A20	T7	12	116884893	116885004	116.88	8.00E-20	NA
CL353266	RP44_402F21	T7	12	117010740	117010825	117.01	1.00E-09	FLJ14627
CL353212	RP44_402F21	SP6	12	117166684	117167049	117.17	3.00E-35	FBXO29
CL343781	RP44_277M2	T7	12	117171139	117171396	117.17	2.00E-06	FBXO29
CL359728	RP44_337E14	SP6	12	117521002	117521125	117.52	5.00E-34	NOS1
CL378885	RP44_425A18	T7	12	117752316	117752396	117.75	5.00E-25	FLJ25965
CL334387	RP44_251M6	SP6	12	117890523	119620221	118.76	5.00E-13	FLJ25965
CL381285	RP44_315B7	SP6	12	118051645	118051810	118.05	3.00E-35	NA
CL365103	RP44_400H13	T7	12	118120927	118121134	118.12	2.00E-12	LOC341537
CL371876	RP44_304L17	SP6	12	118146895	118147009	118.15	8.00E-12	LOC341537
CL353567	RP44_403M16	T7	12	118264813	118265022	118.26	2.00E-11	WSB2
CL363327	RP44_383B1	SP6	12	118404292	118404640	118.40	6.00E-21	JIK
CL353633	RP44_403M16	SP6	12	118456519	118457046	118.46	e-133	JIK
CL340699	RP44_257P8	SP6	12	118460006	118460403	118.46	1.00E-15	JIK
CL322712	RP44_416M4	T7	12	119093721	119093874	119.09	1.00E-18	NA
CL337721	RP44_265K11	T7	12	119362199	119362254	119.36	7.00E-08	KIAA1853
CL344537	RP44_278J4	T7	12	119429372	119429431	119.43	6.00E-12	NA
CL409932	RP44_418O9	T7	12	119429400	119429520	119.43	8.00E-06	NA
CL344496	RP44_278P11	SP6	12	119529883	119530039	119.53	8.00E-12	NA
CL340643	RP44_257D12	SP6	12	119563108	119563272	119.56	5.00E-06	LOC160777
CL366521	RP44_362A22	SP6	12	119594364	119594492	119.59	2.00E-16	LOC160777
CL344617	RP44_278J4	SP6	12	119613838	119614282	119.61	2.00E-36	LOC347959
CL409868	RP44_418O9	SP6	12	119664291	119664385	119.66	3.00E-10	LOC347959
CL332037	CH242_10021	T7	12	119665076	119665235	119.67	4.00E-07	LOC347959
CL344412	RP44_278P11	T7	12	119731804	119731871	119.73	2.00E-12	LOC347959
CL359767	RP44_338A5	T7	12	119854404	119854443	119.85	4.00E-08	LOC347959
CL332126	CH242_10021	SP6	12	119931196	119931287	119.93	2.00E-29	CIT
CL386281	RP44_333O20	SP6	12	119955813	119956001	119.96	4.00E-41	CIT
CL326227	RP44_243G23	SP6	12	120026941	120027024	120.03	4.00E-06	NA
CL366851	RP44_362J4	SP6	12	120057061	120057318	120.06	1.00E-22	NA
CL439629	RP44_296O11	SP6	12	120061314	120061522	120.06	3.00E-07	NA
CL345942	RP44_269C18	SP6	12	120201330	120201382	120.20	5.00E-06	NA
CL371994	RP44_304D2	SP6	12	120218181	120218260	120.22	2.00E-17	LOC92558
CL323617	RP44_458D24	SP6	12	120484506	120485049	120.48	4.00E-38	PXN
CL350431	RP44_310P6	T7	12	120484600	120485049	120.48	3.00E-38	PXN
CL385369	RP44_330J3	SP6	12	120524479	120524722	120.52	4.00E-96	SIRT4
CL412924	RP44_431H10	T7	12	120624501	120624590	120.62	2.00E-14	NA
CL378006	RP44_422N10	T7	12	120787467	120787641	120.79	5.00E-62	RNF10
CL379793	RP44_428M9	SP6	12	120849971	120850072	120.85	1.00E-10	NA
CL344911	RP44_279C22	SP6	12	120881592	120882000	120.88	8.00E-88	CABP1
CL321163	CH242_15B21	SP6	12	120920500	120920546	120.92	5.00E-12	KIAA0152
CL344831	RP44_279C22	T7	12	121056420	121056593	121.06	2.00E-33	SPPL3
CL360464	RP44_339D3	T7	12	121376316	121376804	121.38	4.00E-16	P2RX7
CL354527	RP44_407E8	SP6	12	121509878	121509989	121.51	2.00E-11	CAMKK2
CL349883	RP44_310A9	T7	12	121528545	121528882	121.53	2.00E-17	NA
CL341151	RP44_260A15	SP6	12	121605106	121605159	121.61	6.00E-07	NA
CL382898	RP44_325M20	T7	12	121605107	121606015	121.61	5.00E-06	NA

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CL380130	RP44_428N13	SP6	12	122003030	122003234	122.00	1.00E-31	LOC121219
CL337516	RP44_264P21	SP6	12	122053967	122054028	122.05	1.00E-18	HPD
CL341605	RP44_260N16	SP6	12	122149634	122149760	122.15	2.00E-33	MGC33630
CL383265	RP44_325F4	SP6	12	122221381	122221428	122.22	4.00E-10	NA
CL330622	CH242_4N11	T7	12	122535343	122535487	122.54	5.00E-37	VPS33A
CL384861	RP44_329D6	T7	12	122573957	122574120	122.57	5.00E-58	RSN
CL411714	RP44_429J11	SP6	12	122609778	122610304	122.61	1.00E-31	RSN
CL375397	RP44_471B5	SP6	12	122616136	122616695	122.62	6.00E-89	RSN
CL380715	RP44_429J11	T7	12	122797666	122797827	122.80	3.00E-50	NA
CL365987	RP44_356F10	SP6	12	122844311	122844719	122.84	1.00E-46	KNTC1
CL336846	RP44_263H7	SP6	12	123078689	123078798	123.08	5.00E-21	TSP-NY
CL387515	RP44_281L17	T7	12	123149587	123150155	123.15	3.00E-38	HIP1R
CL359203	RP44_335H16	SP6	12	123163775	123164064	123.16	4.00E-90	FLJ12750
CL336511	RP44_263E11	SP6	12	123191326	123191432	123.19	3.00E-10	NA
CL336522	RP44_263G11	SP6	12	123191326	123191432	123.19	1.00E-06	NA
CL334729	RP44_252G21	T7	12	123429537	123429986	123.43	1.00E-10	NA
CL358483	RP44_414L22	T7	12	123792871	123793006	123.79	3.00E-32	NA
CL387084	RP44_280F2	SP6	12	123832620	123832652	123.83	6.00E-06	EIF2B1
CL337330	RP44_264I4	SP6	12	123869099	123869338	123.87	4.00E-07	GTF2H3
CL440022	RP44_299E18	T7	12	123970117	123970270	123.97	6.00E-21	NA
CL360772	RP44_341J24	T7	12	124035170	124035367	124.04	4.00E-52	NA
CL371179	RP44_302K2	T7	12	124106244	124106979	124.11	2.00E-52	NA
CL374174	RP44_469F2	T7	12	124196527	124196747	124.20	2.00E-43	DKFZp761B128
CL360824	RP44_341J24	SP6	12	124196618	124196747	124.20	3.00E-10	DKFZp761B128
CL353341	RP44_402N8	SP6	12	124202583	124202698	124.20	2.00E-10	DKFZp761B128
CL360513	RP44_339N13	T7	12	124667597	124667666	124.67	2.00E-07	NCOR2
CL350549	RP44_311G13	T7	12	124699427	124699466	124.70	3.00E-08	NCOR2
CL378973	RP44_425E4	SP6	12	124715867	124715899	124.72	4.00E-06	NCOR2
CL325905	RP44_242M10	SP6	12	124726589	124726686	124.73	8.00E-26	NCOR2
CL364861	RP44_400M3	SP6	12	124777079	124777390	124.78	1.00E-31	LOC341495
CL325731	RP44_242M9	T7	12	124910948	124911210	124.91	e-112	LOC341496
CL328767	RP44_373B6	SP6	12	125712619	125712795	125.71	1.00E-37	KIAA1786
CL409879	RP44_418C3	T7	12	125800938	125800996	125.80	7.00E-10	NA
CL409704	RP44_417L8	T7	12	126573951	126574005	126.57	2.00E-07	LOC341505
CL321426	CH242_20O5	T7	12	126603833	126603870	126.60	2.00E-09	NA
CL349059	RP44_275N3	SP6	12	128220573	128220609	128.22	6.00E-06	NA
CL414160	RP44_436A10	T7	12	128220573	128220609	128.22	6.00E-06	NA
CL414239	RP44_436A10	SP6	12	128510300	128510345	128.51	2.00E-11	NA
CL334515	RP44_251H15	SP6	12	129378952	129381345	129.38	1.00E-37	NA
CL383457	RP44_326K6	SP6	12	129400356	129400427	129.40	7.00E-08	NA
CL368556	RP44_289I16	T7	12	129400356	129400427	129.40	7.00E-08	NA
CL356262	RP44_411M11	T7	12	130324685	130324963	130.32	8.00E-51	LOC341423
CL387929	RP44_283O15	SP6	12	130381522	130381897	130.38	e-100	LOC341423
CL360041	RP44_338H3	SP6	12	130778936	130778992	130.78	6.00E-06	KIAA0318
CL364682	RP44_398J9	T7	12	131211737	131211804	131.21	4.00E-10	NA
CL364764	RP44_398J9	SP6	12	131364038	131364598	131.36	4.00E-07	DKFZp434B1272
CL320888	CH242_13P21	SP6	12	132822619	132822906	132.82	3.00E-16	P2RX2
CL337505	RP44_264N21	SP6	12	133008732	133008803	133.01	1.00E-07	GOLGA3
CL389951	RP44_287H2	T7	13	20261658	20261710	20.26	2.00E-08	LOC221143
CL343862	RP44_277M10	SP6	13	20348030	20348113	20.35	6.00E-06	XPO4
CL367279	RP44_365M3	SP6	13	21240930	21241035	21.24	4.00E-19	LOC341764
CL389552	RP44_286F6	SP6	13	21392483	21392753	21.39	3.00E-60	NA
CL326167	RP44_243K19	T7	13	21392501	21392753	21.39	4.00E-52	NA
CL323936	RP44_463O3	T7	13	21702858	21703091	21.70	5.00E-27	NA
CL389478	RP44_286F6	T7	13	21724692	21724736	21.72	2.00E-08	LOC341765
CL365785	RP44_356A15	T7	13	22837291	22837913	22.84	e-147	SACS
CL363075	RP44_383I21	SP6	13	22940115	22940147	22.94	6.00E-06	NA
CL379615	RP44_426L24	SP6	13	22940115	22940147	22.94	6.00E-06	NA
CL323128	RP44_457D17	SP6	13	23963176	23963294	23.96	2.00E-14	ADPRTL1
CL382870	RP44_325G24	T7	13	24838444	24838508	24.84	1.00E-06	NUPL1
CL369816	RP44_292G20	T7	13	25222033	25222109	25.22	1.00E-06	ATP8A2
CL376949	RP44_449O5	T7	13	25222033	25222109	25.22	1.00E-06	ATP8A2
CL352068	RP44_313D20	SP6	13	25276521	25276634	25.28	1.00E-16	ATP8A2
CL341287	RP44_260M11	T7	13	25724853	25724943	25.72	6.00E-08	RNF6
CL341209	RP44_260M11	SP6	13	26002303	26002479	26.00	4.00E-56	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL411014	RP44_420C4	T7	13	26015982	26016025	26.02	2.00E-10	NA
CL345232	RP44_279H6	SP6	13	26259965	26260039	26.26	3.00E-07	NA
CL341836	RP44_261K24	T7	13	26415107	26415220	26.42	3.00E-20	LOC348025
CL379055	RP44_426E19	T7	13	26941313	26941379	26.94	6.00E-12	MTIF3
CL408774	RP44_415N10	SP6	13	27528956	27529085	27.53	1.00E-30	FLT3
CL408786	RP44_415P12	SP6	13	27528956	27529085	27.53	2.00E-30	FLT3
CL333380	RP44_249D14	T7	13	27552034	27552172	27.55	6.00E-06	FLT3
CL366124	RP44_358I8	SP6	13	27689520	27689564	27.69	2.00E-08	NA
CL412056	RP44_430M2	SP6	13	27689520	27689571	27.69	3.00E-10	NA
CL331911	CH242_9I7	SP6	13	27700924	27701076	27.70	7.00E-23	NA
CL378387	RP44_424K2	T7	13	27855956	27856030	27.86	6.00E-12	FLT1
CL367523	RP44_367P3	T7	13	27919755	27919824	27.92	3.00E-11	FLT1
CL331832	CH242_9I7	T7	13	27935267	27935476	27.94	1.00E-25	FLT1
CL374302	RP44_469P4	SP6	13	27942353	27942497	27.94	6.00E-30	FLT1
CL349021	RP44_275F13	SP6	13	28151122	28151150	28.15	7.00E-06	NA
CL411292	RP44_420N13	SP6	13	28205650	28205716	28.21	1.00E-09	LOC283537
CL329297	RP44_386H22	T7	13	28537988	28538219	28.54	9.00E-48	KIAA0774
CL387266	RP44_281I19	SP6	13	28567659	28567735	28.57	2.00E-15	KIAA0774
CL331613	CH242_8K21	SP6	13	29071030	29071074	29.07	4.00E-06	SLC7A1
CL360663	RP44_340P4	T7	13	29348881	29348993	29.35	2.00E-08	UBL3
CL412455	RP44_431K23	T7	13	29348881	29348993	29.35	6.00E-06	UBL3
CL413710	RP44_435E15	T7	13	29760201	29760382	29.76	6.00E-09	MGC2599
CL326463	RP44_243N7	SP6	13	29817500	29817744	29.82	7.00E-48	NA
CL385150	RP44_330G24	T7	13	29817500	29817744	29.82	2.00E-49	NA
CL353880	RP44_403L16	SP6	13	29822010	29822087	29.82	7.00E-07	LOC341787
CL366066	RP44_358K2	T7	13	30012724	30012967	30.01	6.00E-30	LOC341791
CL381594	RP44_316M13	T7	13	30760178	30760354	30.76	4.00E-22	NA
CL346057	RP44_269P3	T7	13	30926595	30927049	30.93	5.00E-43	LOC349928
CL378611	RP44_424F10	T7	13	30996669	30996905	31.00	9.00E-21	LOC341624
CL365700	RP44_355J11	T7	13	31077024	31077258	31.08	2.00E-08	NA
CL379246	RP44_426K20	T7	13	31307250	31307381	31.31	6.00E-08	GREAT
CL384849	RP44_329P19	SP6	13	31481570	31481713	31.48	6.00E-27	NA
CL412354	RP44_430H18	SP6	13	31514942	31514984	31.51	1.00E-09	NA
CL368518	RP44_289A12	T7	13	31532683	31532798	31.53	3.00E-19	NA
CL332977	CH242_12B22	SP6	13	31583320	31583458	31.58	4.00E-10	13CDNA73
CL365879	RP44_356I21	SP6	13	31623861	31624443	31.62	3.00E-54	13CDNA73
CL366833	RP44_362F14	SP6	13	31671150	31671452	31.67	1.00E-06	13CDNA73
CL345273	RP44_279P8	SP6	13	31742728	31742802	31.74	3.00E-14	13CDNA73
CL350800	RP44_311M10	SP6	13	31765075	31765383	31.77	7.00E-21	13CDNA73
CL384610	RP44_329M18	T7	13	31900960	31901000	31.90	5.00E-06	BRCA2
CL386826	RP44_335A9	T7	13	32147761	32147875	32.15	1.00E-09	APRIN
CL320485	CH242_10B18	T7	13	32277491	69851017	51.06	1.00E-09	APRIN
CL321525	CH242_20N22	T7	13	32285502	32285552	32.29	8.00E-10	APRIN
CL328343	RP44_248K2	SP6	13	32323317	32323969	32.32	3.00E-08	LOC341625
CL389199	RP44_286I18	T7	13	32517629	32517824	32.52	9.00E-17	NA
CL378346	RP44_424C4	T7	13	32520595	32521156	32.52	1.00E-10	NA
CL336819	RP44_263B15	SP6	13	32607366	57453828	45.03	6.00E-06	NA
CL378413	RP44_424C4	SP6	13	32697252	32697630	32.70	1.00E-07	STARD13
CL369278	RP44_290E12	SP6	13	32776180	32776657	32.78	6.00E-09	STARD13
CL338569	RP44_266E2	SP6	13	32814846	32815206	32.82	4.00E-07	LOC349929
CL327039	RP44_244L16	SP6	13	32914113	32914887	32.91	2.00E-18	LOC349930
CL360568	RP44_339J13	SP6	13	32982311	32982647	32.98	1.00E-21	LOC349931
CL326966	RP44_244L16	T7	13	33099071	33099382	33.10	5.00E-71	LOC341629
CL364894	RP44_400G7	T7	13	33122100	33122264	33.12	6.00E-25	LOC341629
CL414077	RP44_435H6	SP6	13	33129552	33129613	33.13	1.00E-06	LOC341629
CL414107	RP44_435P6	SP6	13	33129552	33129613	33.13	1.00E-06	LOC341629
CL357463	RP44_413K11	SP6	13	33201273	33201868	33.20	4.00E-19	LOC341630
CL357786	RP44_413L11	SP6	13	33201273	33201868	33.20	4.00E-19	LOC341630
CL411694	RP44_429F13	SP6	13	33769614	33769732	33.77	4.00E-07	LOC341631
CL381580	RP44_316K5	T7	13	33785568	33785637	33.79	5.00E-09	LOC341631
CL340177	RP44_257K17	T7	13	34139543	34139885	34.14	1.00E-55	LOC349934
CL325990	RP44_242F9	SP6	13	34230381	34230463	34.23	2.00E-10	NA
CL364369	RP44_396M4	SP6	13	34336425	34336471	34.34	2.00E-09	NA
CL384225	RP44_328B24	T7	13	34749557	34749622	34.75	2.00E-06	NBEA
CL381127	RP44_314D10	SP6	13	35172563	35172864	35.17	6.00E-12	NBEA

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CL382257	RP44_323L4	T7	13	35210181	35210247	35.21	1.00E-12	NA
CL327632	RP44_246C14	T7	13	35234980	35235450	35.24	e-113	NA
CL384208	RP44_328P1	SP6	13	35323716	35324197	35.32	1.00E-56	DCAMKL1
CL327707	RP44_246C14	SP6	13	35454731	35455048	35.45	2.00E-08	DCAMKL1
CL372333	RP44_305J5	SP6	13	35471559	35471624	35.47	5.00E-09	DCAMKL1
CL372252	RP44_305J11	T7	13	35475239	35475357	35.48	1.00E-12	DCAMKL1
CL347370	RP44_272I12	SP6	13	35621323	35621409	35.62	8.00E-10	DCAMKL1
CL367091	RP44_364O15	T7	13	35761965	35762232	35.76	3.00E-42	FLJ20449
CL367164	RP44_364O15	SP6	13	35794198	35794481	35.79	1.00E-25	FLJ20449
CL352998	RP44_402G13	SP6	13	35794408	35806616	35.80	1.00E-12	FLJ20449
CL347283	RP44_272I12	T7	13	35824878	35825200	35.83	7.00E-61	SPG20
CL337487	RP44_264L1	SP6	13	36256626	36256911	36.26	9.00E-23	LOC347968
CL382443	RP44_324O17	T7	13	36622514	36622700	36.62	3.00E-11	NA
CL384210	RP44_328P5	SP6	13	36954319	36954622	36.95	2.00E-27	LOC341637
CL372381	RP44_305D6	T7	13	37061831	37061885	37.06	1.00E-07	LOC283505
CL384132	RP44_328P5	T7	13	37136189	37136559	37.14	8.00E-15	NA
CL330198	CH242_3J11	T7	13	37157714	37157803	37.16	4.00E-19	TRPC4
CL372465	RP44_305D6	SP6	13	37192472	37192762	37.19	4.00E-56	TRPC4
CL364181	RP44_396G3	SP6	13	37293719	37294122	37.29	e-148	TRPC4
CL330283	CH242_3J11	SP6	13	37377326	37377514	37.38	6.00E-12	TRPC4
CL350284	RP44_310B23	SP6	13	37506074	37506297	37.51	1.00E-75	LOC341638
CL343508	RP44_276F18	SP6	13	37854039	37854241	37.85	9.00E-36	NA
CL349483	RP44_309M14	T7	13	38293823	38293972	38.29	1.00E-25	NA
CL349560	RP44_309M14	SP6	13	38670624	38670770	38.67	5.00E-06	NA
CL337381	RP44_264D13	T7	13	38909916	38910042	38.91	6.00E-07	LHFP
CL363942	RP44_393E18	T7	13	38934888	38934948	38.93	6.00E-06	LHFP
CL353014	RP44_402K5	SP6	13	39086870	39087239	39.09	7.00E-52	LHFP
CL354297	RP44_406C13	SP6	13	39110915	39111199	39.11	1.00E-23	LHFP
CL364010	RP44_393E18	SP6	13	39120361	39120784	39.12	6.00E-46	NA
CL324275	RP44_474I8	T7	13	39169995	39170324	39.17	2.00E-73	COG6
CL339542	RP44_255F16	T7	13	39230415	39230623	39.23	3.00E-82	COG6
CL409493	RP44_417I10	SP6	13	39353285	39353850	39.35	6.00E-28	LOC349937
CL324276	RP44_474I8	SP6	13	39406535	39406981	39.41	1.00E-22	NA
CL414136	RP44_436K1	T7	13	39702747	39702987	39.70	9.00E-29	NA
CL358383	RP44_414J1	SP6	13	39779397	39779469	39.78	8.00E-11	LOC349939
CL352792	RP44_401L18	T7	13	39874410	39874506	39.87	1.00E-22	NA
CL323578	RP44_458B4	SP6	13	40978021	40978353	40.98	7.00E-43	RGC32
CL352269	RP44_314O13	SP6	13	41175585	65351928	53.26	6.00E-06	KIAA0564
CL323577	RP44_458B4	T7	13	41175664	41175898	41.18	8.00E-58	KIAA0564
CL333194	RP44_249C13	SP6	13	41200119	41200402	41.20	2.00E-58	KIAA0564
CL354957	RP44_408F23	SP6	13	41200119	41200402	41.20	9.00E-54	KIAA0564
CL358650	RP44_415M17	T7	13	41211748	41212108	41.21	1.00E-58	KIAA0564
CL374258	RP44_469F16	SP6	13	41331449	41331859	41.33	4.00E-10	KIAA0564
CL330835	CH242_4L22	SP6	13	41425715	41425796	41.43	1.00E-09	KIAA0564
CL409887	RP44_418E1	T7	13	41679160	41679359	41.68	7.00E-47	DGKH
CL339739	RP44_256M15	T7	13	41752433	41752857	41.75	8.00E-33	LOC283508
CL339814	RP44_256M15	SP6	13	41924255	41924478	41.92	2.00E-29	NA
CL334405	RP44_251O22	SP6	13	42484311	42484498	42.48	1.00E-24	EPSTI1
CL331258	CH242_7A16	SP6	13	42550446	42550990	42.55	4.00E-16	DNAJD1
CL385283	RP44_330F7	T7	13	42854603	42854789	42.85	5.00E-12	FLJ10094
CL352296	RP44_314E6	T7	13	43023057	43023377	43.02	9.00E-67	FLJ10094
CL326614	RP44_243N24	SP6	13	43105072	43105261	43.11	3.00E-38	FLJ10094
CL381463	RP44_315D12	SP6	13	43105143	43105259	43.11	4.00E-22	FLJ10094
CL337533	RP44_264D18	T7	13	43157104	43157193	43.16	6.00E-09	FLJ10094
CL380812	RP44_314E6	SP6	13	43171499	43171620	43.17	4.00E-16	FLJ10094
CL349995	RP44_310G21	SP6	13	43203403	43203465	43.20	1.00E-06	FLJ10094
CL326543	RP44_243N24	T7	13	43257538	43257594	43.26	3.00E-08	FLJ10094
CL381384	RP44_315D12	T7	13	43258352	43258520	43.26	1.00E-06	FLJ10094
CL381706	RP44_316C4	T7	13	43271737	43271843	43.27	8.00E-08	FLJ10094
CL411919	RP44_430A16	T7	13	43291674	43291907	43.29	3.00E-50	FLJ10094
CL374773	RP44_470H9	SP6	13	43300054	43300870	43.30	1.00E-15	NA
CL349918	RP44_310G21	T7	13	43322547	43322633	43.32	6.00E-09	NA
CL337603	RP44_264D18	SP6	13	43322547	43322639	43.32	3.00E-10	NA
CL353793	RP44_403H6	T7	13	43457019	43457479	43.46	1.00E-07	NA
CL374690	RP44_470H9	T7	13	43503000	43503180	43.50	1.00E-37	NA

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CL361247	RP44_344P16	SP6	13	43621084	43621231	43.62	6.00E-15	LOC341655
CL386399	RP44_333H16	SP6	13	43626365	43626748	43.63	2.00E-12	LOC341655
CL410211	RP44_418J20	T7	13	43687937	43688097	43.69	3.00E-08	LOC341656
CL344489	RP44_278N19	SP6	13	43754009	43754281	43.75	2.00E-61	NA
CL386320	RP44_333H16	T7	13	43763595	43763702	43.76	7.00E-09	NA
CL326351	RP44_243C16	SP6	13	43958710	43958944	43.96	3.00E-34	TSC22
CL366869	RP44_362L24	SP6	13	43958710	43958944	43.96	5.00E-34	TSC22
CL335096	RP44_252H3	SP6	13	44082573	44082759	44.08	1.00E-06	TSC22
CL381398	RP44_315H8	T7	13	44093210	44093283	44.09	6.00E-09	NA
CL343636	RP44_277O5	T7	13	44567583	44567611	44.57	7.00E-06	NA
CL365486	RP44_353H4	SP6	13	45456441	45456729	45.46	1.00E-06	NA
CL365412	RP44_353H4	T7	13	45636693	45636976	45.64	3.00E-10	LCP1
CL387082	RP44_280D22	SP6	13	46130753	46130846	46.13	2.00E-06	CHDC1
CL348144	RP44_274G3	T7	13	46130753	46130846	46.13	1.00E-06	CHDC1
CL369306	RP44_290I24	SP6	13	46339449	46339771	46.34	2.00E-15	NA
CL383268	RP44_325F10	SP6	13	46339449	46339771	46.34	2.00E-15	NA
CL387472	RP44_281D19	T7	13	46339449	46339771	46.34	2.00E-15	NA
CL335869	RP44_254F16	T7	13	46722395	46722453	46.72	2.00E-14	NA
CL382157	RP44_323F23	T7	13	46762625	46762724	46.76	4.00E-13	NA
CL411719	RP44_429J21	SP6	13	46933037	46933282	46.93	4.00E-07	LOC341666
CL413241	RP44_432J8	T7	13	46933037	46933282	46.93	2.00E-07	LOC341666
CL335388	RP44_253K4	SP6	13	47104737	47104797	47.10	6.00E-11	NA
CL343997	RP44_277L23	SP6	13	47319366	47319484	47.32	2.00E-21	SUCLA2
CL340136	RP44_257C15	T7	13	47352073	47352324	47.35	2.00E-52	SUCLA2
CL324566	RP44_475L22	T7	13	47632967	47633179	47.63	3.00E-25	LOC347970
CL324511	RP44_475K21	T7	13	47633011	47633179	47.63	3.00E-19	LOC347970
CL327683	RP44_246O2	T7	13	47634661	47634902	47.63	5.00E-22	LOC347970
CL320592	CH242_10L16	SP6	13	47840329	47840371	47.84	4.00E-07	RB1
CL321649	CH242_13C20	SP6	13	47908744	47909194	47.91	1.00E-16	RB1
CL320591	CH242_10L16	T7	13	48054557	48054734	48.05	4.00E-10	NA
CL363599	RP44_388P22	T7	13	48071611	48071650	48.07	4.00E-08	NA
CL410529	RP44_419G6	SP6	13	48469637	48469692	48.47	2.00E-07	NA
CL368212	RP44_288D2	T7	13	48958308	48958347	48.96	9.00E-08	C13orf4
CL381488	RP44_315H24	SP6	13	48989088	48989154	48.99	3.00E-07	C13orf4
CL381405	RP44_315H24	T7	13	49125218	49125269	49.13	3.00E-10	NA
CL355261	RP44_409I16	SP6	13	49422993	49423062	49.42	2.00E-06	NA
CL373011	RP44_307B13	T7	13	49537401	49537507	49.54	8.00E-24	NA
CL323381	RP44_458K11	SP6	13	49667071	49667235	49.67	2.00E-15	DLEU1
CL328784	RP44_373D6	SP6	13	49668923	49669233	49.67	2.00E-83	DLEU1
CL365604	RP44_354A7	SP6	13	49717606	49717711	49.72	4.00E-07	DLEU1
CL373097	RP44_307B13	SP6	13	49779050	49779356	49.78	2.00E-52	DLEU1
CL381698	RP44_316A4	T7	13	49845750	49846042	49.85	1.00E-42	DLEU1
CL342846	RP44_275F24	SP6	13	49846914	49846994	49.85	5.00E-06	DLEU1
CL360038	RP44_338F17	SP6	13	49940055	49940096	49.94	3.00E-11	DLEU1
CL385422	RP44_330D24	T7	13	49940055	49940096	49.94	3.00E-11	DLEU1
CL349106	RP44_275F24	T7	13	49978226	49978687	49.98	2.00E-45	DLEU1
CL385347	RP44_330D23	SP6	13	50101542	50101612	50.10	6.00E-12	LOC341672
CL385501	RP44_330D24	SP6	13	50101542	50101612	50.10	7.00E-12	LOC341672
CL349305	RP44_309I15	T7	13	50544771	50545036	50.54	7.00E-52	GUCY1B2
CL351164	RP44_312C21	T7	13	50544771	50545036	50.54	8.00E-52	GUCY1B2
CL344106	RP44_278C23	SP6	13	50701582	50701665	50.70	3.00E-08	LOC341674
CL344030	RP44_278C23	T7	13	50855057	50855211	50.86	8.00E-24	NA
CL344189	RP44_278C22	T7	13	50855094	50855211	50.86	3.00E-23	NA
CL385408	RP44_330B16	T7	13	50867954	50868005	50.87	1.00E-07	DDX26
CL387336	RP44_281G22	T7	13	51409467	51409648	51.41	2.00E-21	NA
CL349813	RP44_309D10	SP6	13	51455014	51455095	51.46	1.00E-18	ATP7B
CL336644	RP44_263O6	T7	13	51572379	51572712	51.57	6.00E-34	LOC341676
CL367999	RP44_375A1	T7	13	51962759	51962812	51.96	5.00E-09	NA
CL337593	RP44_264B18	SP6	13	52199380	52199500	52.20	2.00E-13	NA
CL325230	RP44_479L23	SP6	13	52239624	52239755	52.24	1.00E-11	LECT1
CL347204	RP44_272I21	SP6	13	52465778	52466108	52.47	9.00E-66	NA
CL330227	CH242_3P9	T7	13	52533371	52533700	52.53	1.00E-37	NA
CL323741	RP44_458P16	SP6	13	52631194	52631443	52.63	3.00E-85	LOC341679
CL347129	RP44_272I21	T7	13	52631199	52631443	52.63	9.00E-85	LOC341679
CL332575	CH242_12C9	SP6	13	52648903	52649368	52.65	3.00E-32	LOC341679

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CL366742	RP44_362B8	T7	13	52660855	52661170	52.66	2.00E-84	NA
CL330314	CH242_3P9	SP6	13	52708604	52708863	52.71	9.00E-35	LOC341680
CL327259	RP44_245O16	T7	13	52774784	52774824	52.77	1.00E-08	LOC349952
CL374469	RP44_470M21	SP6	13	52874984	52875121	52.88	4.00E-16	LOC349952
CL329915	CH242_3C17	SP6	13	53053404	53053565	53.05	1.00E-16	NA
CL386496	RP44_334M18	T7	13	53132354	53132845	53.13	2.00E-09	NA
CL413391	RP44_433E14	T7	13	53133082	53133646	53.13	e-163	NA
CL370979	RP44_300N21	SP6	13	53143299	53143437	53.14	3.00E-17	NA
CL347478	RP44_272P11	T7	13	53251027	53251104	53.25	1.00E-06	NA
CL413478	RP44_433E14	SP6	13	53311268	53311419	53.31	8.00E-27	NA
CL324021	RP44_463F3	T7	13	53420952	53421369	53.42	3.00E-07	NA
CL380962	RP44_314B15	SP6	13	53507405	53507490	53.51	1.00E-12	NA
CL338791	RP44_267O17	SP6	13	53508063	53508652	53.51	1.00E-13	NA
CL329692	RP44_394D24	SP6	13	53666933	53667008	53.67	3.00E-10	NA
CL359400	RP44_336B8	T7	13	53670988	53671308	53.67	2.00E-14	NA
CL338710	RP44_267O17	T7	13	53684891	53685569	53.69	1.00E-65	LOC341684
CL388223	RP44_284O18	SP6	13	53766775	53766955	53.77	3.00E-60	LOC341684
CL344294	RP44_278I2	SP6	13	53774468	53774756	53.77	6.00E-09	LOC341684
CL329691	RP44_394D24	T7	13	53896647	53896704	53.90	1.00E-06	NA
CL378122	RP44_423K18	T7	13	53976457	53976548	53.98	6.00E-06	NA
CL328902	RP44_373P8	SP6	13	54118421	54118874	54.12	e-106	NA
CL346741	RP44_271M12	SP6	13	54227378	54227406	54.23	3.00E-06	LOC338854
CL322305	RP44_404I24	T7	13	54256372	54256542	54.26	1.00E-38	LOC338854
CL335506	RP44_253F3	SP6	13	54294699	54294810	54.29	6.00E-12	LOC338854
CL322306	RP44_404I24	SP6	13	54456354	54456975	54.46	e-102	NA
CL388526	RP44_284L22	SP6	13	54456643	54456911	54.46	7.00E-69	NA
CL367126	RP44_364G7	SP6	13	54641042	54641119	54.64	1.00E-06	NA
CL363734	RP44_389B9	T7	13	54702155	54702403	54.70	2.00E-48	LOC341685
CL323122	RP44_457D1	SP6	13	54978350	54978786	54.98	3.00E-54	NA
CL342430	RP44_262G12	T7	13	55227025	57983024	56.61	2.00E-06	NA
CL348773	RP44_275G14	T7	13	55681488	55682120	55.68	1.00E-41	NA
CL348863	RP44_275G14	SP6	13	55840539	55840746	55.84	5.00E-62	NA
CL329642	RP44_394P11	SP6	13	55843177	55843275	55.84	1.00E-12	NA
CL329003	RP44_382J11	SP6	13	56126499	56126621	56.13	2.00E-24	LOC341686
CL353435	RP44_403I17	T7	13	56424353	56424492	56.42	1.00E-13	NA
CL379517	RP44_426L4	T7	13	56974885	56974960	56.97	1.00E-09	LOC349956
CL331569	CH242_8C17	SP6	13	57124777	57125202	57.12	1.00E-10	NA
CL411521	RP44_422I2	T7	13	57147121	57147379	57.15	4.00E-19	PCDH17
CL411869	RP44_430G1	SP6	13	57235185	57235824	57.24	0	PCDH17
CL381636	RP44_316E5	SP6	13	57437679	57437753	57.44	7.00E-12	NA
CL385162	RP44_330K6	T7	13	57784336	57784381	57.78	2.00E-11	NA
CL366058	RP44_358G20	T7	13	57784336	57784381	57.78	2.00E-11	NA
CL372504	RP44_305J20	SP6	13	58062136	58062177	58.06	7.00E-09	NA
CL363875	RP44_392G4	SP6	13	58062136	58062177	58.06	5.00E-09	NA
CL336794	RP44_263N1	T7	13	58294290	58294355	58.29	6.00E-09	LOC349957
CL343525	RP44_276J4	SP6	13	58403071	58403327	58.40	6.00E-09	NA
CL372982	RP44_307K2	SP6	13	58444687	58444908	58.44	1.00E-16	NA
CL387750	RP44_282K3	SP6	13	58520427	58520480	58.52	6.00E-09	LOC338859
CL380825	RP44_314G10	SP6	13	58748780	58749317	58.75	1.00E-10	NA
CL364207	RP44_396K13	SP6	13	58753504	58753875	58.75	e-104	NA
CL377395	RP44_449D12	T7	13	58908804	58909084	58.91	1.00E-37	NA
CL377383	RP44_449B12	T7	13	58908804	58909087	58.91	1.00E-37	NA
CL413143	RP44_432C5	SP6	13	58965632	58965809	58.97	2.00E-09	NA
CL439766	RP44_297L21	SP6	13	58965632	58965809	58.97	7.00E-12	NA
CL336695	RP44_263I8	SP6	13	59199853	59199980	59.20	3.00E-15	LOC341692
CL328604	RP44_248P20	T7	13	59226062	59226454	59.23	7.00E-09	LOC341693
CL411676	RP44_429D1	SP6	13	59242203	59242645	59.24	5.00E-68	LOC341693
CL332586	CH242_12E7	SP6	13	59372170	59372387	59.37	7.00E-55	DIAPH3
CL332497	CH242_12E7	T7	13	59403956	59404244	59.40	2.00E-21	DIAPH3
CL347745	RP44_273A19	SP6	13	59422154	59422828	59.42	1.00E-41	DIAPH3
CL383619	RP44_326P16	SP6	13	59434744	59435045	59.43	4.00E-35	DIAPH3
CL380681	RP44_429D1	T7	13	59434744	59435075	59.43	6.00E-46	DIAPH3
CL383603	RP44_326L16	SP6	13	59434744	59435092	59.43	5.00E-56	DIAPH3
CL412077	RP44_430B1	SP6	13	59471390	59471438	59.47	2.00E-08	DIAPH3
CL357793	RP44_413N3	SP6	13	59488887	59488954	59.49	5.00E-06	DIAPH3

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL321540	CH242_20P20	SP6	13	59504271	59504693	59.50	8.00E-20	DIAPH3
CL343499	RP44_276D16	SP6	13	59883469	59883522	59.88	4.00E-07	LOC349962
CL346801	RP44_271J15	T7	13	59904625	59904711	59.90	9.00E-09	LOC349962
CL343419	RP44_276D16	T7	13	60078914	60078951	60.08	1.00E-06	TDRD3
CL362116	RP44_353N15	SP6	13	60552004	60552114	60.55	2.00E-40	NA
CL411507	RP44_422E12	T7	13	60577245	65613796	63.10	3.00E-17	LOC349967
CL349256	RP44_308P6	SP6	13	60616884	60616969	60.62	4.00E-09	LOC349964
CL373481	RP44_308P7	SP6	13	60616884	60616969	60.62	7.00E-09	LOC349964
CL375943	RP44_441J5	T7	13	60829396	60829481	60.83	1.00E-11	NA
CL356587	RP44_411B6	T7	13	60898270	60898410	60.90	6.00E-06	NA
CL348538	RP44_274H14	SP6	13	60902486	60902546	60.90	3.00E-08	NA
CL376217	RP44_443B1	SP6	13	60902486	60902546	60.90	3.00E-08	NA
CL355110	RP44_409I3	SP6	13	60912141	60912274	60.91	6.00E-06	NA
CL364150	RP44_396A7	SP6	13	61043034	61043566	61.04	1.00E-06	LOC349965
CL326259	RP44_243O5	SP6	13	61211353	61211582	61.21	2.00E-17	LOC349965
CL380844	RP44_314K6	SP6	13	61211353	61211582	61.21	3.00E-17	LOC349965
CL330792	CH242_4D20	SP6	13	61767777	61767874	61.77	5.00E-09	LOC341699
CL325810	RP44_242C14	T7	13	63379131	63379200	63.38	1.00E-16	NA
CL361631	RP44_351C19	SP6	13	63379151	63379372	63.38	2.00E-09	NA
CL361546	RP44_351C19	T7	13	63379151	63379372	63.38	1.00E-13	NA
CL364269	RP44_396G16	T7	13	63599292	63599336	63.60	7.00E-06	NA
CL322910	RP44_437C18	SP6	13	64039778	64040146	64.04	e-132	NA
CL355370	RP44_409P11	T7	13	64653730	64653943	64.65	5.00E-25	LOC341700
CL384046	RP44_327L22	SP6	13	65104127	65104284	65.10	4.00E-40	LOC144767
CL363392	RP44_383P9	SP6	13	65379789	65380100	65.38	7.00E-58	LOC341701
CL339345	RP44_268B4	T7	13	65613630	65613855	65.61	1.00E-34	LOC349967
CL380378	RP44_429K3	T7	13	65854803	65855707	65.86	8.00E-15	PCDH9
CL352367	RP44_401M1	T7	13	66200087	66200341	66.20	2.00E-34	PCDH9
CL336002	RP44_255C11	T7	13	66366106	66366293	66.37	3.00E-16	PCDH9
CL325639	RP44_241F20	SP6	13	66568503	66569130	66.57	1.00E-16	PCDH9
CL355322	RP44_409F15	T7	13	66620840	66620971	66.62	9.00E-11	PCDH9
CL353872	RP44_403J20	SP6	13	66671638	66672279	66.67	e-143	PCDH9
CL377950	RP44_422P11	SP6	13	66684308	66684685	66.68	e-129	PCDH9
CL325570	RP44_241F20	T7	13	66726730	66727017	66.73	9.00E-64	PCDH9
CL321514	CH242_20N6	SP6	13	66741101	66741355	66.74	1.00E-24	NA
CL349522	RP44_309E14	SP6	13	66745511	66745810	66.75	6.00E-08	NA
CL355402	RP44_409F15	SP6	13	66814540	66815136	66.81	e-147	LOC341704
CL353807	RP44_403J20	T7	13	66841154	66841672	66.84	9.00E-61	LOC341704
CL408473	RP44_415B5	T7	13	67164028	67164132	67.16	1.00E-13	NA
CL389322	RP44_286D19	T7	13	67365774	67366053	67.37	1.00E-81	NA
CL339363	RP44_268D22	T7	13	67870077	67870224	67.87	2.00E-08	NA
CL367893	RP44_374H23	T7	13	68728431	68728883	68.73	1.00E-53	NA
CL408489	RP44_415F3	T7	13	69762875	69763103	69.76	6.00E-06	LOC349971
CL360474	RP44_339F3	T7	13	69879385	69879441	69.88	4.00E-06	LOC349971
CL365201	RP44_400J21	SP6	13	70126561	70127080	70.13	e-162	NA
CL413853	RP44_435I10	T7	13	70207367	70207727	70.21	8.00E-69	NA
CL333465	RP44_249F4	SP6	13	70207647	70207974	70.21	1.00E-37	NA
CL356955	RP44_412A16	SP6	13	70207647	70207974	70.21	3.00E-32	NA
CL350916	RP44_311D19	SP6	13	70207922	70207974	70.21	4.00E-07	NA
CL356878	RP44_412A16	T7	13	70378122	70378498	70.38	3.00E-35	NA
CL357738	RP44_413B13	SP6	13	70410278	70410774	70.41	4.00E-59	LOC122117
CL413694	RP44_435A21	T7	13	70455282	70455510	70.46	4.00E-44	NA
CL349414	RP44_309O13	SP6	13	70460763	70460836	70.46	2.00E-06	NA
CL357659	RP44_413B13	T7	13	70553317	70553525	70.55	3.00E-78	LOC349973
CL343287	RP44_276J17	T7	13	70629661	70629870	70.63	3.00E-54	NA
CL380391	RP44_429M9	T7	13	70751805	70751956	70.75	8.00E-24	NA
CL346982	RP44_271N14	T7	13	70840070	70840488	70.84	3.00E-76	NA
CL370745	RP44_300O17	T7	13	70858198	70858502	70.86	2.00E-06	NA
CL333565	RP44_250K17	T7	13	70989915	70990331	70.99	7.00E-73	DACH
CL410150	RP44_418N21	T7	13	70989916	70990137	70.99	1.00E-61	DACH
CL348410	RP44_274L13	SP6	13	70996117	70997022	71.00	4.00E-07	DACH
CL323114	RP44_457B1	SP6	13	71027121	71027388	71.03	1.00E-09	DACH
CL408531	RP44_415N21	T7	13	71035083	71035601	71.04	8.00E-70	DACH
CL372900	RP44_307G8	T7	13	71111131	71111212	71.11	9.00E-14	DACH
CL377860	RP44_457B1	T7	13	71156232	71156331	71.16	2.00E-24	DACH

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CL336409	RP44_262N24	T7	13	71174634	71175040	71.17	e-111	DACH
CL408617	RP44_415N21	SP6	13	71192917	71193512	71.19	0	DACH
CL362412	RP44_377M24	T7	13	71202869	71205525	71.20	6.00E-65	DACH
CL351922	RP44_313J3	SP6	13	71265244	71265330	71.27	3.00E-20	DACH
CL336736	RP44_263O22	SP6	13	71319732	71319908	71.32	2.00E-30	DACH
CL336369	RP44_262N24	SP6	13	71372509	71372669	71.37	2.00E-11	DACH
CL363481	RP44_388F11	SP6	13	71549486	71549748	71.55	9.00E-60	NA
CL379837	RP44_428E14	T7	13	71721119	71721528	71.72	5.00E-40	NA
CL338325	RP44_266C5	T7	13	71827363	71828005	71.83	0	NA
CL371666	RP44_304C6	SP6	13	71910005	71910157	71.91	1.00E-34	NA
CL335783	RP44_254C7	SP6	13	71948401	71948689	71.95	2.00E-60	NA
CL338401	RP44_266C5	SP6	13	72027508	72027672	72.03	4.00E-16	NA
CL371592	RP44_304C6	T7	13	72081106	72081353	72.08	2.00E-36	NA
CL357500	RP44_413C6	T7	13	72094643	72094739	72.09	1.00E-06	NA
CL372851	RP44_306N4	SP6	13	72112943	72113159	72.11	1.00E-32	NA
CL346915	RP44_271P21	SP6	13	72488698	72488865	72.49	3.00E-07	PIBF1
CL344424	RP44_278B15	SP6	13	72760555	72760788	72.76	1.00E-41	NA
CL356513	RP44_411N11	T7	13	72771603	72771655	72.77	5.00E-06	NA
CL386718	RP44_334D18	T7	13	73402123	73402355	73.40	1.00E-13	KLF12
CL371764	RP44_304H9	T7	13	73593375	73593541	73.59	2.00E-33	KLF12
CL357525	RP44_413G16	T7	13	73614424	73614581	73.61	2.00E-18	KLF12
CL352880	RP44_401N20	SP6	13	73639064	73639133	73.64	1.00E-13	KLF12
CL371852	RP44_304H9	SP6	13	73739086	73739478	73.74	6.00E-22	NA
CL352212	RP44_314A19	SP6	13	73788286	73788331	73.79	2.00E-06	NA
CL354177	RP44_405L4	T7	13	74055706	74056000	74.06	3.00E-19	NA
CL367133	RP44_364I3	SP6	13	74142574	74142620	74.14	3.00E-07	NA
CL364332	RP44_396E8	SP6	13	74160043	74160114	74.16	2.00E-12	NA
CL378984	RP44_425G12	SP6	13	74162266	74162708	74.16	1.00E-09	NA
CL357102	RP44_412B5	SP6	13	74289218	74289522	74.29	4.00E-59	NA
CL378913	RP44_425G12	T7	13	74336628	74336880	74.34	2.00E-12	NA
CL335126	RP44_252N1	SP6	13	74410081	74410157	74.41	5.00E-25	NA
CL332205	CH242_10M16	T7	13	74492271	74492326	74.49	1.00E-07	LOC349977
CL336088	RP44_255E7	SP6	13	74527232	74527303	74.53	9.00E-08	LOC347973
CL350202	RP44_310B7	T7	13	74527232	74527303	74.53	1.00E-07	LOC347973
CL337307	RP44_264C20	SP6	13	74643468	74643783	74.64	7.00E-12	NA
CL369207	RP44_290I2	T7	13	74660389	74660454	74.66	7.00E-09	NA
CL363323	RP44_383P15	T7	13	74660389	74660454	74.66	6.00E-09	NA
CL363802	RP44_392C10	T7	13	74682048	74682099	74.68	2.00E-15	LOC341714
CL350277	RP44_310B7	SP6	13	74707197	74707615	74.71	1.00E-75	LOC341714
CL337234	RP44_264C20	T7	13	74816087	74816286	74.82	3.00E-17	TBC1D4
CL387223	RP44_281O17	T7	13	74823503	74823947	74.82	1.00E-34	TBC1D4
CL369296	RP44_290I2	SP6	13	74846758	74847868	74.85	6.00E-55	TBC1D4
CL366343	RP44_358J12	T7	13	74930699	74930824	74.93	6.00E-12	TBC1D4
CL324783	RP44_478I7	SP6	13	74993096	74993240	74.99	1.00E-32	NA
CL409458	RP44_417A14	SP6	13	75298202	75298276	75.30	6.00E-17	LMO7
CL348316	RP44_274J19	T7	13	75456308	75456381	75.46	2.00E-06	NA
CL374064	RP44_469P11	T7	13	75484063	75484122	75.48	2.00E-17	NA
CL345308	RP44_280E19	T7	13	75513232	75513274	75.51	4.00E-07	NA
CL382195	RP44_323P3	T7	13	75966088	75966170	75.97	7.00E-12	NA
CL358673	RP44_415A23	SP6	13	75970534	75970833	75.97	7.00E-12	NA
CL338555	RP44_266A20	SP6	13	76064692	76065291	76.06	5.00E-53	NA
CL328380	RP44_248B15	T7	13	76221395	76221510	76.22	1.00E-12	LOC341716
CL379337	RP44_426H11	T7	13	76389786	76389849	76.39	6.00E-08	NA
CL411983	RP44_430O2	T7	13	76392204	76392440	76.39	3.00E-23	NA
CL323556	RP44_458O4	SP6	13	76532340	76532724	76.53	e-141	FBXL3A
CL409099	RP44_416B8	T7	13	76811401	76811487	76.81	1.00E-19	PAM
CL340169	RP44_257K1	T7	13	76887270	76887355	76.89	1.00E-06	LOC341723
CL388981	RP44_285P2	SP6	13	76956508	76956683	76.96	3.00E-13	NA
CL409574	RP44_417N17	T7	13	77074594	77074692	77.07	5.00E-24	SCEL
CL359453	RP44_336L24	T7	13	77252576	77252672	77.25	1.00E-22	FLJ30046
CL348134	RP44_274E5	T7	13	77296575	77296639	77.30	7.00E-06	NA
CL321805	CH242_15A15	T7	13	77363665	77363954	77.36	4.00E-13	LOC341725
CL381414	RP44_315J18	T7	13	77433153	77433661	77.43	5.00E-19	EDNRB
CL386792	RP44_334H16	SP6	13	77543226	77543275	77.54	2.00E-11	LOC341726
CL364880	RP44_400C5	T7	13	77550513	77550576	77.55	1.00E-17	LOC341726

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL356264	RP44_411M17	T7	13	77752459	77752546	77.75	5.00E-10	LOC341726
CL327047	RP44_244N14	SP6	13	77815955	77816356	77.82	e-130	NA
CL409266	RP44_417I17	T7	13	78047468	78047792	78.05	2.00E-52	LOC341730
CL379574	RP44_426F6	SP6	13	78095468	78095965	78.10	e-173	LOC341731
CL346387	RP44_270H11	SP6	13	78126825	78127289	78.13	e-162	C13orf7
CL379489	RP44_426F6	T7	13	78285947	78286450	78.29	2.00E-52	NA
CL346313	RP44_270H11	T7	13	78286049	78286394	78.29	4.00E-49	NA
CL357661	RP44_413B19	T7	13	78337741	78338099	78.34	9.00E-88	NA
CL386154	RP44_333A16	T7	13	78395439	78395743	78.40	2.00E-52	LOC341732
CL383496	RP44_326D18	T7	13	78407013	78407106	78.41	2.00E-12	LOC341732
CL347144	RP44_272M9	T7	13	78481981	78482321	78.48	6.00E-49	LOC349980
CL384438	RP44_329K9	T7	13	78572210	78572525	78.57	4.00E-10	NA
CL329028	RP44_382L17	T7	13	78666887	78666924	78.67	2.00E-06	NA
CL381017	RP44_314N9	SP6	13	78770635	78771162	78.77	e-169	LOC349981
CL328983	RP44_382H13	T7	13	78834035	78834170	78.83	3.00E-23	C13orf10
CL329029	RP44_382L17	SP6	13	78844409	78844468	78.84	2.00E-12	C13orf10
CL357887	RP44_413P10	T7	13	78859114	78859171	78.86	6.00E-09	C13orf10
CL350712	RP44_311K4	T7	13	78865128	78865473	78.87	5.00E-65	C13orf10
CL377647	RP44_457G19	SP6	13	78963966	78964021	78.96	1.00E-07	NA
CL357059	RP44_412J7	T7	13	79025185	79025284	79.03	6.00E-11	NDFIP2
CL357974	RP44_413P10	SP6	13	79056114	79056185	79.06	6.00E-06	NDFIP2
CL382139	RP44_323D5	T7	13	79142037	79142117	79.14	7.00E-15	NA
CL355577	RP44_409L20	SP6	13	79220307	79220961	79.22	7.00E-77	LOC341733
CL368335	RP44_288P12	SP6	13	79255655	79256021	79.26	1.00E-24	LOC341733
CL355502	RP44_409L20	T7	13	79468213	79468292	79.47	7.00E-15	NA
CL353165	RP44_402K8	SP6	13	79504606	79504663	79.50	5.00E-09	NA
CL387801	RP44_283E15	T7	13	79504606	79504663	79.50	5.00E-09	NA
CL368274	RP44_288P12	T7	13	79509759	79510256	79.51	4.00E-59	NA
CL389110	RP44_286I7	SP6	13	79550525	79550814	79.55	2.00E-12	NA
CL410892	RP44_420I21	T7	13	79595141	79595610	79.60	2.00E-39	LOC341736
CL410913	RP44_420M21	T7	13	79595141	79595612	79.60	2.00E-39	LOC341736
CL336838	RP44_263F9	SP6	13	79688258	79688377	79.69	6.00E-06	NA
CL353093	RP44_402K8	T7	13	79710065	79710371	79.71	3.00E-22	NA
CL389355	RP44_286L19	T7	13	79929679	79930009	79.93	9.00E-14	NA
CL339502	RP44_269A24	T7	13	80020377	80021064	80.02	4.00E-50	LOC341737
CL411713	RP44_429J9	SP6	13	80020577	80021056	80.02	5.00E-15	LOC341737
CL374057	RP44_469N17	T7	13	80543518	80543792	80.54	1.00E-09	NA
CL353583	RP44_403A14	SP6	13	81193192	81193484	81.19	6.00E-40	NA
CL323649	RP44_458H10	SP6	13	81808236	81808377	81.81	4.00E-16	NA
CL359593	RP44_337C9	SP6	13	81960387	81960557	81.96	5.00E-31	NA
CL323989	RP44_463O8	T7	13	82959254	82959390	82.96	1.00E-14	NA
CL410106	RP44_418B3	T7	13	83177074	83177153	83.18	9.00E-06	NA
CL357829	RP44_413D18	T7	13	83188930	83189066	83.19	1.00E-19	LOC349985
CL342254	RP44_262C23	T7	13	83351896	83352744	83.35	2.00E-30	NA
CL347441	RP44_272H9	T7	13	83386399	83386713	83.39	3.00E-38	NA
CL335116	RP44_252L1	SP6	13	83546359	83546496	83.55	2.00E-06	NA
CL342332	RP44_262C23	SP6	13	83557170	83557293	83.56	2.00E-12	NA
CL409572	RP44_417N13	T7	13	83640835	83641055	83.64	5.00E-62	NA
CL320212	CH242_2A20	T7	13	83842741	83843071	83.84	4.00E-09	NA
CL410702	RP44_419P5	SP6	13	84054704	84055109	84.05	1.00E-34	LOC341739
CL388825	RP44_285I22	SP6	13	84564334	84564389	84.56	4.00E-10	LOC341740
CL364668	RP44_398H1	T7	13	84894079	84894303	84.89	1.00E-28	LOC341742
CL321333	CH242_15F18	SP6	13	84997548	84997647	85.00	8.00E-27	LOC341742
CL369213	RP44_290I16	T7	13	85143367	85143738	85.14	1.00E-50	NA
CL340386	RP44_257I4	SP6	13	85606065	85606557	85.61	e-105	NA
CL325641	RP44_241H2	SP6	13	85649630	85649809	85.65	3.00E-22	NA
CL321862	CH242_15K13	T7	13	86201038	86201103	86.20	1.00E-06	NA
CL341194	RP44_260K1	SP6	13	86362935	86363062	86.36	3.00E-07	NA
CL351374	RP44_312K8	SP6	13	86362935	86363062	86.36	3.00E-07	NA
CL320953	CH242_15K13	SP6	13	86515986	86516557	86.52	4.00E-60	NA
CL345169	RP44_279L4	T7	13	87002000	87002569	87.00	3.00E-54	NA
CL352864	RP44_401L8	SP6	13	87177629	87177959	87.18	8.00E-52	NA
CL335679	RP44_253L16	SP6	13	87204830	87205056	87.20	4.00E-10	NA
CL323489	RP44_458G22	T7	13	87272793	87272969	87.27	1.00E-53	NA
CL352787	RP44_401L8	T7	13	87393814	87393889	87.39	1.00E-07	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL323490	RP44_458G22	SP6	13	87455659	87455790	87.46	2.00E-12	LOC349883
CL359979	RP44_338L7	T7	13	87537246	87539289	87.54	6.00E-09	NA
CL376569	RP44_445A23	T7	13	88248462	88248571	88.25	5.00E-09	NA
CL386521	RP44_334C24	SP6	13	88553714	88553809	88.55	7.00E-18	NA
CL326639	RP44_244E13	T7	13	88745462	88745563	88.75	5.00E-09	NA
CL333448	RP44_249B14	SP6	13	88756766	88756841	88.76	2.00E-17	NA
CL362157	RP44_375E3	SP6	13	88896544	88897124	88.90	3.00E-08	NA
CL341907	RP44_261I14	SP6	13	88954426	88954679	88.95	8.00E-33	NA
CL326492	RP44_243D14	T7	13	89415324	89415653	89.42	8.00E-27	LOC144774
CL363025	RP44_383O17	T7	13	89433201	89433570	89.43	4.00E-29	LOC144774
CL328595	RP44_248N22	T7	13	89732431	89732483	89.73	3.00E-08	NA
CL332173	CH242_10G22	T7	13	89812483	89812802	89.81	3.00E-45	NA
CL325261	RP44_241A13	T7	13	90267247	90267594	90.27	6.00E-48	NA
CL345828	RP44_280J10	T7	13	90356335	90356671	90.36	4.00E-07	NA
CL341442	RP44_260N11	SP6	13	90601034	90601315	90.60	6.00E-73	NA
CL381274	RP44_315P5	T7	13	90607328	90607508	90.61	8.00E-39	NA
CL370109	RP44_294F17	T7	13	90705194	90705234	90.71	4.00E-06	NA
CL408820	RP44_416G3	T7	13	90880528	90880700	90.88	1.00E-37	LOC341574
CL352090	RP44_313H20	SP6	13	90890211	90890740	90.89	6.00E-37	GPC5
CL413579	RP44_433L6	T7	13	90968768	90969254	90.97	2.00E-09	GPC5
CL353856	RP44_403H4	SP6	13	91077907	91077975	91.08	2.00E-15	GPC5
CL375232	RP44_471O24	T7	13	91133964	91134181	91.13	9.00E-08	GPC5
CL335494	RP44_253B23	SP6	13	91153819	91154242	91.15	e-140	GPC5
CL408892	RP44_416G3	SP6	13	91153819	91154242	91.15	e-130	GPC5
CL348026	RP44_273N10	T7	13	91517221	91517550	91.52	1.00E-40	GPC5
CL376093	RP44_443A14	T7	13	91958907	91959059	91.96	2.00E-09	NA
CL347686	RP44_273E11	T7	13	91959482	91959564	91.96	9.00E-08	NA
CL342536	RP44_262K20	SP6	13	92040335	92040535	92.04	2.00E-11	LOC341576
CL339966	RP44_256N23	SP6	13	92135783	92135815	92.14	7.00E-06	NA
CL342455	RP44_262K20	T7	13	92222220	92222461	92.22	1.00E-15	NA
CL336436	RP44_262D18	SP6	13	92238805	92239135	92.24	4.00E-20	NA
CL333172	RP44_249O3	T7	13	92444769	92444829	92.44	2.00E-11	NA
CL350708	RP44_311I18	T7	13	92525129	92525580	92.53	6.00E-37	NA
CL350727	RP44_311M18	T7	13	92525129	92525594	92.53	4.00E-29	NA
CL353184	RP44_402O8	SP6	13	92714982	92715055	92.72	4.00E-09	NA
CL385031	RP44_330M3	T7	13	92911216	92911385	92.91	4.00E-25	GPC6
CL379178	RP44_426K23	SP6	13	93282539	93282764	93.28	2.00E-09	GPC6
CL348294	RP44_274F17	T7	13	93322520	93322604	93.32	8.00E-18	GPC6
CL362938	RP44_380P18	SP6	13	93501504	93501832	93.50	2.00E-67	GPC6
CL345774	RP44_280P7	SP6	13	93642941	93643231	93.64	1.00E-10	GPC6
CL341253	RP44_260E23	T7	13	93654719	93655167	93.65	5.00E-83	GPC6
CL349488	RP44_309M24	T7	13	93676200	93676309	93.68	2.00E-21	GPC6
CL409664	RP44_417B6	T7	13	93700568	93700614	93.70	2.00E-07	GPC6
CL366690	RP44_362F21	SP6	13	93786750	93786808	93.79	2.00E-11	GPC6
CL349565	RP44_309M24	SP6	13	93855077	93855244	93.86	9.00E-07	GPC6
CL361139	RP44_344H20	T7	13	93956093	93956522	93.96	2.00E-82	DCT
CL362791	RP44_380B4	T7	13	94158424	94159347	94.16	2.00E-08	NA
CL371718	RP44_304M18	SP6	13	94185421	94185595	94.19	3.00E-17	NA
CL362165	RP44_375G11	SP6	13	94189109	94189269	94.19	5.00E-06	NA
CL332864	CH242_12L1	T7	13	94199004	94199481	94.20	5.00E-71	NA
CL371640	RP44_304M18	T7	13	94368463	94368607	94.37	6.00E-06	LOC341584
CL409088	RP44_416P1	T7	13	94454889	94455114	94.46	3.00E-43	NA
CL374888	RP44_470N14	T7	13	94511283	94511733	94.51	e-105	ABCC4
CL374851	RP44_470F14	T7	13	94511300	94511733	94.51	1.00E-95	ABCC4
CL345462	RP44_280A22	T7	13	94523546	94524773	94.52	1.00E-21	ABCC4
CL332283	CH242_10K20	SP6	13	94541965	94542079	94.54	6.00E-43	ABCC4
CL331349	CH242_7D3	T7	13	94698315	94698521	94.70	4.00E-19	ABCC4
CL331915	CH242_9I19	SP6	13	94722998	94723157	94.72	1.00E-12	ABCC4
CL383790	RP44_327G6	T7	13	94745887	94745919	94.75	6.00E-06	ABCC4
CL331256	CH242_7A10	SP6	13	95053773	95054002	95.05	1.00E-15	DZIP1
CL338132	RP44_265N3	SP6	13	95084369	95084551	95.08	3.00E-08	DZIP1
CL365352	RP44_400J14	T7	13	95191764	95191854	95.19	3.00E-14	DNAJC3
CL382567	RP44_324H15	T7	13	95488095	95488218	95.49	2.00E-43	UGCGL2
CL338615	RP44_266M10	SP6	13	95555684	95555878	95.56	1.00E-19	NA
CL333439	RP44_249P18	T7	13	95864795	95865143	95.86	7.00E-89	LOC341589

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL331709	CH242_8P15	T7	13	96108288	96108716	96.11	0	LOC349891
CL337578	RP44_264N20	T7	13	96191275	96191373	96.19	3.00E-07	NA
CL409115	RP44_416F6	T7	13	96232483	96232829	96.23	4.00E-84	NA
CL358773	RP44_415E18	T7	13	96737658	96738182	96.74	3.00E-48	MBNL2
CL352506	RP44_401A2	SP6	13	96882912	96883237	96.88	9.00E-23	MBNL2
CL408416	RP44_415E18	SP6	13	96917303	96917664	96.92	2.00E-36	LOC341594
CL324105	RP44_463D14	SP6	13	97062126	97062193	97.06	2.00E-17	LOC349895
CL352445	RP44_401A2	T7	13	97143371	97143589	97.14	2.00E-08	LOC349895
CL373848	RP44_469E16	T7	13	97389250	97389314	97.39	1.00E-10	LOC121911
CL410092	RP44_418M22	SP6	13	97777811	97777914	97.78	2.00E-09	FARP1
CL375357	RP44_471J5	T7	13	97878855	97879017	97.88	1.00E-64	FARP1
CL340954	RP44_258F4	SP6	13	98201465	98201558	98.20	2.00E-11	SLC15A1
CL326014	RP44_242N1	SP6	13	98252135	98252177	98.25	3.00E-07	NA
CL335187	RP44_253I5	T7	13	98252135	98252177	98.25	3.00E-07	NA
CL340707	RP44_258B7	T7	13	98380941	98380996	98.38	1.00E-07	zizimin1
CL350766	RP44_311E24	SP6	13	98576980	98577140	98.58	6.00E-09	NA
CL324756	RP44_478A5	SP6	13	98829255	98829318	98.83	8.00E-06	PHGDHL1
CL373541	RP44_457J17	T7	13	99166680	99167189	99.17	1.00E-68	NA
CL361235	RP44_344N14	SP6	13	99167390	99167641	99.17	2.00E-85	NA
CL366654	RP44_362N23	T7	13	99452894	99453232	99.45	9.00E-56	NA
CL326021	RP44_242P3	SP6	13	99698131	99698279	99.70	3.00E-25	PCCA
CL322400	RP44_404H20	T7	13	99819441	99819586	99.82	4.00E-47	PCCA
CL408679	RP44_415L6	T7	13	99819441	99819739	99.82	4.00E-47	PCCA
CL372308	RP44_305D19	SP6	13	99837028	99837212	99.84	3.00E-35	PCCA
CL357178	RP44_412P17	SP6	13	99883117	99883627	99.88	2.00E-88	PCCA
CL352935	RP44_402I15	T7	13	99971852	99972141	99.97	3.00E-38	PCCA
CL389371	RP44_286P5	T7	13	99988803	99988868	99.99	2.00E-06	PCCA
CL359418	RP44_336F12	T7	13	99988803	99988868	99.99	1.00E-06	PCCA
CL357096	RP44_412P17	T7	13	100114972	100115085	100.12	1.00E-27	FLJ14624
CL359483	RP44_336F12	SP6	13	100146031	100146109	100.15	8.00E-17	FLJ14624
CL327366	RP44_245J3	T7	13	100421096	100421124	100.42	6.00E-06	NA
CL332461	CH242_10P5	SP6	13	100726722	100726913	100.73	8.00E-58	VGCNL1
CL332380	CH242_10P5	T7	13	100939422	100939527	100.94	1.00E-10	NA
CL326994	RP44_244B18	SP6	13	101002538	101002786	101.00	8.00E-27	ITGBL1
CL343380	RP44_276L21	SP6	13	101063961	101064065	101.06	4.00E-19	ITGBL1
CL377173	RP44_449G20	SP6	13	101091367	101091439	101.09	1.00E-10	ITGBL1
CL412166	RP44_430B15	T7	13	101209931	101210289	101.21	5.00E-73	NA
CL343299	RP44_276L21	T7	13	101334305	101334456	101.33	2.00E-21	FGF14
CL330552	CH242_4G19	SP6	13	101446685	101446742	101.45	3.00E-11	NA
CL339082	RP44_268G16	T7	13	101594045	101594177	101.59	9.00E-17	NA
CL347108	RP44_272E17	T7	13	101711628	101712174	101.71	1.00E-16	NA
CL411266	RP44_420H23	SP6	13	102007047	102007361	102.01	6.00E-09	NA
CL385082	RP44_330I7	SP6	13	102337320	102337732	102.34	4.00E-10	ERCC5
CL377723	RP44_457G4	T7	13	102505873	102505987	102.51	6.00E-09	NA
CL339737	RP44_256M9	T7	13	102520784	102520852	102.52	2.00E-08	NA
CL376956	RP44_449O21	T7	13	102680396	102680473	102.68	9.00E-08	NA
CL377806	RP44_457G4	SP6	13	102690642	102690735	102.69	2.00E-14	NA
CL363687	RP44_389F17	SP6	13	102792269	102792493	102.79	2.00E-42	NA
CL350321	RP44_310L1	SP6	13	102847597	102847908	102.85	2.00E-12	NA
CL377047	RP44_449O21	SP6	13	102876970	102877088	102.88	4.00E-07	NA
CL344699	RP44_279I11	T7	13	103203192	103203491	103.20	2.00E-20	NA
CL344856	RP44_279I12	T7	13	103203192	103203552	103.20	2.00E-33	NA
CL344775	RP44_279I11	SP6	13	103402263	103402323	103.40	4.00E-13	LOC347964
CL344937	RP44_279I12	SP6	13	103402263	103402672	103.40	2.00E-15	LOC347964
CL385243	RP44_330K16	SP6	13	103463389	103463505	103.46	4.00E-13	NA
CL323941	RP44_463O19	T7	13	104036856	104036995	104.04	9.00E-15	NA
CL414369	RP44_436L21	T7	13	104064089	104064530	104.06	7.00E-37	NA
CL330180	CH242_3F15	T7	13	104455148	104455416	104.46	1.00E-44	NA
CL324243	RP44_474E22	SP6	13	104524816	104524936	104.52	1.00E-10	NA
CL354029	RP44_405M13	SP6	13	104939608	104939829	104.94	5.00E-52	NA
CL373156	RP44_307N1	SP6	13	105269526	105269569	105.27	1.00E-07	NA
CL383262	RP44_325D22	SP6	13	105392451	105392479	105.39	7.00E-06	NA
CL373070	RP44_307N1	T7	13	105498023	105498226	105.50	2.00E-27	NA
CL344766	RP44_279G15	SP6	13	105634054	105634121	105.63	7.00E-06	LOC341603
CL378217	RP44_423D12	T7	13	105698621	105698767	105.70	3.00E-08	NA

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CL386246	RP44_333I8	SP6	13	105783180	105783611	105.78	3.00E-23	LOC349906
CL386169	RP44_333I8	T7	13	105917052	105917445	105.92	7.00E-58	NA
CL325875	RP44_242G2	SP6	13	105980386	105980584	105.98	2.00E-60	EFNB2
CL372482	RP44_305F22	SP6	13	105988759	105988837	105.99	2.00E-18	EFNB2
CL321602	CH242_13K4	T7	13	106032843	106033166	106.03	e-128	FLJ10154
CL381249	RP44_315J23	T7	13	106204233	106204272	106.20	3.00E-10	NA
CL351537	RP44_313M15	T7	13	106227960	106228082	106.23	1.00E-18	NA
CL328065	RP44_248A3	T7	13	106408239	106408622	106.41	6.00E-86	NA
CL328136	RP44_248A3	SP6	13	106607717	106608025	106.61	3.00E-32	NA
CL389601	RP44_286N24	SP6	13	107077873	107078007	107.08	1.00E-16	NA
CL385209	RP44_330E10	SP6	13	107940599	107940691	107.94	4.00E-07	NA
CL341600	RP44_260N4	SP6	13	108541418	108541827	108.54	4.00E-13	KIAA0865
CL331253	CH242_7A2	SP6	13	108645378	108645472	108.65	2.00E-26	KIAA0865
CL368695	RP44_289D23	T7	13	108963903	108964098	108.96	1.00E-19	NA
CL360760	RP44_341H8	T7	13	108979219	108979545	108.98	1.00E-07	NA
CL326091	RP44_242N2	SP6	13	108983960	108984354	108.98	2.00E-26	LOC349918
CL371157	RP44_302E20	T7	13	109407633	109407731	109.41	2.00E-09	NA
CL356395	RP44_411A8	SP6	13	109428134	109428368	109.43	4.00E-25	NA
CL344015	RP44_278A7	T7	13	111960940	111961303	111.96	7.00E-92	NA
CL367329	RP44_367G24	T7	13	112300312	112300357	112.30	6.00E-09	TUBGCP3
CL342937	RP44_276G13	T7	13	114073858	114073920	114.07	1.00E-09	UPF3A
CL378370	RP44_424G8	T7	14	18238985	18688070	18.46	4.00E-13	LOC122749
CL358599	RP44_415C15	T7	14	18336943	18337136	18.34	3.00E-07	NA
CL385826	RP44_332M6	SP6	14	18460413	18460595	18.46	4.00E-38	LOC122739
CL366818	RP44_362B12	SP6	14	18715823	18715901	18.72	1.00E-12	NA
CL363593	RP44_388P2	T7	14	18800173	22241549	20.52	8.00E-11	LOC350013
CL375030	RP44_471K3	T7	14	18824076	53943468	36.38	2.00E-10	NA
CL344442	RP44_278F7	SP6	14	18853340	18853594	18.85	2.00E-09	TEP1
CL363567	RP44_388J4	T7	14	18861046	18861109	18.86	1.00E-09	TEP1
CL372857	RP44_306N20	SP6	14	18861873	18862111	18.86	2.00E-39	TEP1
CL342604	RP44_262J11	T7	14	19457733	19458149	19.46	1.00E-35	SLC39A2
CL383287	RP44_325J4	SP6	14	19480039	19480511	19.48	4.00E-44	NDRG2
CL408720	RP44_415D4	SP6	14	19533859	19534176	19.53	8.00E-73	FLJ10357
CL412106	RP44_430F21	SP6	14	19717092	19717129	19.72	1.00E-06	HNRPC
CL335072	RP44_252D1	SP6	14	19805208	19805319	19.81	4.00E-13	RPGRIPI1
CL325224	RP44_479L5	SP6	14	19817084	98767233	59.29	8.00E-06	SUPT16H
CL338085	RP44_265D17	SP6	14	19841555	19841976	19.84	3.00E-69	SUPT16H
CL412187	RP44_430F21	T7	14	19858789	19859254	19.86	2.00E-33	HELSNF1
CL335246	RP44_253G1	SP6	14	19859628	19859739	19.86	6.00E-11	HELSNF1
CL382356	RP44_323N24	SP6	14	19940544	19940613	19.94	5.00E-09	C14orf92
CL388598	RP44_285K7	T7	14	19945111	19945295	19.95	1.00E-13	C14orf92
CL375436	RP44_471H23	SP6	14	20080611	20101970	20.09	4.00E-41	LOC350007
CL375586	RP44_471H22	SP6	14	20080611	20102034	20.09	1.00E-43	LOC350007
CL352482	RP44_401I24	T7	14	20227391	20685305	20.46	4.00E-40	TRA@
CL354239	RP44_405L18	SP6	14	20560876	51518019	36.04	2.00E-17	DDHD1
CL334062	RP44_250J24	SP6	14	20987564	20987681	20.99	2.00E-21	TRA@
CL330381	CH242_3L18	T7	14	21300455	21300855	21.30	4.00E-10	MMP14
CL410640	RP44_419B15	SP6	14	21364667	21364993	21.36	1.00E-77	RNPC4
CL366461	RP44_362E2	T7	14	21364667	21364993	21.36	2.00E-72	RNPC4
CL366492	RP44_362K18	T7	14	21364667	21364993	21.36	6.00E-83	RNPC4
CL323724	RP44_458N20	SP6	14	21467133	21467939	21.47	1.00E-10	C14orf93
CL326695	RP44_244A13	SP6	14	21512643	21512862	21.51	4.00E-09	FLJ25193
CL366534	RP44_362E2	SP6	14	21534420	21534729	21.53	3.00E-07	ACINUS
CL366567	RP44_362K18	SP6	14	21534420	21534729	21.53	4.00E-07	ACINUS
CL377024	RP44_449K21	SP6	14	21554018	21554541	21.55	0	ACINUS
CL335288	RP44_253A12	T7	14	21781755	21781880	21.78	1.00E-24	PABPN1
CL377802	RP44_457E20	SP6	14	21936860	21937424	21.94	2.00E-45	DKFZP564O092
CL376060	RP44_443I15	T7	14	22018052	22018114	22.02	4.00E-12	THTPA
CL386232	RP44_333E18	SP6	14	22210745	22210856	22.21	3.00E-11	NA
CL384734	RP44_329H11	T7	14	22388377	22388626	22.39	1.00E-19	NA
CL376750	RP44_445J11	T7	14	22419235	22502222	22.46	4.00E-21	DHRS4
CL386147	RP44_333E18	T7	14	22537061	22537458	22.54	9.00E-44	CPNE6
CL365137	RP44_400N19	T7	14	22582490	22582983	22.58	5.00E-62	WDR23
CL389294	RP44_286M18	SP6	14	22692585	22692680	22.69	4.00E-29	GMPR2
CL340441	RP44_257D21	T7	14	22695113	22695611	22.70	5.00E-71	GMPR2

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL383230	RP44_325N18	T7	14	22723549	22723717	22.72	3.00E-17	NA
CL331191	CH242_7C20	T7	14	22965506	22965940	22.97	1.00E-19	CMA1
CL351593	RP44_313I3	SP6	14	23066637	23091478	23.08	1.00E-10	GZMB
CL411782	RP44_430G15	T7	14	23117138	23117306	23.12	3.00E-08	NA
CL352411	RP44_401G21	SP6	14	23180741	23181031	23.18	1.00E-21	NA
CL327622	RP44_246A10	T7	14	23291979	23292193	23.29	8.00E-39	STXBP6
CL384314	RP44_328D14	SP6	14	23365610	23365639	23.37	1.00E-06	STXBP6
CL413188	RP44_432K5	SP6	14	23444595	23444883	23.44	8.00E-73	STXBP6
CL413329	RP44_432L6	SP6	14	23444595	23444944	23.44	4.00E-74	STXBP6
CL327698	RP44_246A10	SP6	14	23462367	23462438	23.46	2.00E-15	STXBP6
CL363619	RP44_388D24	SP6	14	23706677	23707077	23.71	1.00E-77	NA
CL362124	RP44_335A2	SP6	14	23853226	23853271	23.85	6.00E-09	NA
CL325359	RP44_241G13	SP6	14	23858711	23858942	23.86	8.00E-51	NA
CL363548	RP44_388D24	T7	14	23929845	23930127	23.93	3.00E-25	LOC341817
CL347934	RP44_273I12	SP6	14	24211237	24211575	24.21	3.00E-07	NA
CL355302	RP44_409B11	T7	14	24366371	24366420	24.37	1.00E-06	LOC350014
CL338486	RP44_266C18	T7	14	24536419	95828030	60.18	9.00E-11	LOC341819
CL385803	RP44_332G4	SP6	14	24561121	24561184	24.56	9.00E-08	LOC341819
CL369354	RP44_291C21	T7	14	24663491	24663574	24.66	5.00E-08	LOC348036
CL365979	RP44_356D8	SP6	14	24687493	24687706	24.69	4.00E-06	NA
CL372424	RP44_305L4	T7	14	24781518	24781959	24.78	1.00E-35	LOC350015
CL369402	RP44_291C21	SP6	14	24850106	24850626	24.85	1.00E-50	LOC350015
CL351933	RP44_313L3	SP6	14	24874052	24874609	24.87	2.00E-12	NA
CL365833	RP44_356O9	T7	14	24902319	24902880	24.90	4.00E-96	NA
CL373222	RP44_308I8	T7	14	24905863	24906496	24.91	0	NOVA1
CL325837	RP44_242M22	T7	14	25202341	25202405	25.20	2.00E-08	LOC341820
CL325404	RP44_241B15	T7	14	25253113	25253252	25.25	3.00E-13	LOC341820
CL344903	RP44_279C6	SP6	14	25326468	25326670	25.33	7.00E-58	LOC341820
CL325474	RP44_241B15	SP6	14	25378213	25378406	25.38	1.00E-50	LOC341820
CL385387	RP44_330N5	SP6	14	25441076	25441184	25.44	4.00E-25	LOC341820
CL382537	RP44_324B11	T7	14	25495364	25495529	25.50	4.00E-10	NA
CL356514	RP44_411N13	T7	14	25515578	25516151	25.52	2.00E-52	NA
CL382615	RP44_324B11	SP6	14	25588536	25588725	25.59	2.00E-37	NA
CL323455	RP44_458C10	SP6	14	25647389	25647422	25.65	2.00E-06	LOC350016
CL412153	RP44_430P9	SP6	14	26001790	26002065	26.00	e-105	NA
CL388562	RP44_285C15	T7	14	26456396	26456447	26.46	5.00E-10	LOC341821
CL334268	RP44_251C20	T7	14	26594245	26594561	26.59	e-108	NA
CL341609	RP44_260N24	SP6	14	26596836	26596966	26.60	2.00E-33	NA
CL388639	RP44_285C15	SP6	14	26596836	26596966	26.60	2.00E-30	NA
CL358568	RP44_414N8	SP6	14	26597212	26597583	26.60	9.00E-26	NA
CL410227	RP44_418N8	T7	14	26738075	26738211	26.74	1.00E-12	NA
CL411622	RP44_422M6	SP6	14	26767215	26767401	26.77	4.00E-15	NA
CL338421	RP44_266E23	SP6	14	26867839	26867912	26.87	3.00E-11	NA
CL380643	RP44_429K12	SP6	14	26956732	26957100	26.96	5.00E-25	NA
CL338340	RP44_266E23	T7	14	27062144	27062218	27.06	5.00E-07	NA
CL355705	RP44_410M13	SP6	14	27182822	27183016	27.18	4.00E-63	NA
CL389401	RP44_286F9	SP6	14	27261234	27261771	27.26	e-164	NA
CL379887	RP44_428O6	T7	14	27276253	27276323	27.28	2.00E-09	NA
CL368630	RP44_289G24	SP6	14	27648911	27649280	27.65	3.00E-39	LOC341823
CL372810	RP44_306D24	SP6	14	27657669	27657735	27.66	1.00E-16	LOC341823
CL331953	CH242_10A5	T7	14	27695892	27696429	27.70	8.00E-89	LOC341823
CL341482	RP44_260F20	T7	14	27702851	27703333	27.70	e-124	NA
CL327316	RP44_245M6	SP6	14	27737509	27737679	27.74	1.00E-31	LOC341824
CL368550	RP44_289G24	T7	14	27803819	27804437	27.80	0	LOC341825
CL341562	RP44_260F20	SP6	14	27845592	27845726	27.85	4.00E-16	LOC341825
CL332039	CH242_10A5	SP6	14	27870317	27870655	27.87	1.00E-50	LOC341825
CL371114	RP44_301M5	SP6	14	27921222	27921324	27.92	5.00E-12	NA
CL325919	RP44_242O16	SP6	14	27989618	27989861	27.99	1.00E-06	NA
CL372925	RP44_307M10	T7	14	28062596	28062651	28.06	2.00E-10	PRKCM
CL374446	RP44_470I19	SP6	14	28111880	28112416	28.11	3.00E-29	PRKCM
CL380594	RP44_429C2	SP6	14	28201317	28201662	28.20	2.00E-36	PRKCM
CL340982	RP44_258L2	SP6	14	28215297	28215571	28.22	e-104	PRKCM
CL354768	RP44_408O18	T7	14	28257853	28258466	28.26	1.00E-34	PRKCM
CL372990	RP44_307M10	SP6	14	28258239	28258462	28.26	3.00E-24	PRKCM
CL340909	RP44_258L2	T7	14	28369751	28369942	28.37	7.00E-06	PRKCM

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL356553	RP44_411H13	SP6	14	28458161	28458460	28.46	7.00E-18	LOC350017
CL338530	RP44_266M2	T7	14	28518632	28518691	28.52	6.00E-08	NA
CL367273	RP44_365K5	SP6	14	28541237	28541758	28.54	2.00E-43	NA
CL368919	RP44_289B8	SP6	14	28574847	28575336	28.58	1.00E-59	NA
CL408498	RP44_415H11	T7	14	28590121	28590223	28.59	7.00E-15	NA
CL357112	RP44_412D9	SP6	14	28617882	28617951	28.62	6.00E-21	NA
CL354569	RP44_407O6	SP6	14	28651046	28651598	28.65	8.00E-21	NA
CL356489	RP44_411H13	T7	14	28660210	28660355	28.66	3.00E-11	NA
CL389530	RP44_286P14	T7	14	28786629	28786747	28.79	3.00E-14	LOC341827
CL323863	RP44_459P1	T7	14	28884304	28884333	28.88	1.00E-06	LOC341827
CL387192	RP44_281I11	T7	14	28884304	28884512	28.88	5.00E-28	LOC341827
CL386869	RP44_335K1	T7	14	28920732	28920953	28.92	7.00E-61	LOC341828
CL370703	RP44_296E13	SP6	14	29260769	29260826	29.26	6.00E-09	NA
CL413524	RP44_433M22	SP6	14	29381931	29381970	29.38	4.00E-10	STRN3
CL348064	RP44_273F16	SP6	14	29594713	29595450	29.60	8.00E-67	HECTD1
CL354293	RP44_406A21	SP6	14	29595383	29595450	29.60	2.00E-10	HECTD1
CL344535	RP44_278H22	T7	14	29842842	29843025	29.84	2.00E-33	DKFZP43411735
CL412874	RP44_431N9	SP6	14	29873599	29873655	29.87	5.00E-09	MGC9912
CL411615	RP44_422K16	SP6	14	29979592	29979887	29.98	4.00E-09	LOC283632
CL344615	RP44_278H22	SP6	14	30037577	30037999	30.04	7.00E-98	FLJ12660
CL411119	RP44_420K8	SP6	14	30203534	30203714	30.20	4.00E-28	FLJ12660
CL351955	RP44_313P5	SP6	14	30223148	30223490	30.22	3.00E-23	FLJ12660
CL369598	RP44_292G1	T7	14	30342426	30342482	30.34	6.00E-11	LOC341832
CL387690	RP44_282O3	T7	14	30419563	30419690	30.42	1.00E-12	LOC350019
CL412892	RP44_431B4	T7	14	30538369	30538538	30.54	3.00E-07	ARHGAP5
CL371865	RP44_304J17	SP6	14	30650770	30651023	30.65	1.00E-59	NA
CL340301	RP44_257E18	T7	14	30712271	30712345	30.71	3.00E-14	NA
CL413585	RP44_433L18	T7	14	31074464	31074533	31.07	6.00E-09	AKAP6
CL347749	RP44_273C3	SP6	14	31076641	31076709	31.08	2.00E-15	AKAP6
CL376889	RP44_449C3	T7	14	31116140	31116355	31.12	9.00E-20	AKAP6
CL353610	RP44_403G22	SP6	14	31193888	31194365	31.19	e-107	AKAP6
CL359048	RP44_335H13	SP6	14	31193893	31194365	31.19	5.00E-99	AKAP6
CL413663	RP44_433L18	SP6	14	31271420	31271896	31.27	5.00E-25	AKAP6
CL411044	RP44_420I10	T7	14	31271838	31271896	31.27	1.00E-09	AKAP6
CL334746	RP44_252K13	T7	14	31276960	31277414	31.28	7.00E-18	AKAP6
CL376806	RP44_445D17	SP6	14	31277364	31278184	31.28	6.00E-27	AKAP6
CL332614	CH242_12G19	SP6	14	31305671	31306000	31.31	9.00E-76	NA
CL325816	RP44_242E20	T7	14	31340637	31341090	31.34	4.00E-31	NA
CL341973	RP44_261H9	T7	14	31415195	105180244	68.30	2.00E-48	NPAS3
CL334825	RP44_252K13	SP6	14	31444250	31444609	31.44	2.00E-11	NPAS3
CL332513	CH242_12G19	T7	14	31466178	31466617	31.47	2.00E-15	NPAS3
CL342179	RP44_261F8	SP6	14	31473111	31473361	31.47	7.00E-18	NPAS3
CL370880	RP44_300L13	T7	14	31496037	31496430	31.50	3.00E-11	NPAS3
CL325769	RP44_242E19	SP6	14	31497998	31498230	31.50	1.00E-25	NPAS3
CL352834	RP44_401F6	SP6	14	31525024	31525134	31.53	2.00E-09	NPAS3
CL346412	RP44_270L19	SP6	14	31546608	31546711	31.55	4.00E-06	NPAS3
CL353071	RP44_402E20	T7	14	31599791	31600119	31.60	4.00E-35	NPAS3
CL353060	RP44_402C22	T7	14	31599793	31600119	31.60	5.00E-34	NPAS3
CL342041	RP44_261H9	SP6	14	31624102	31624621	31.62	3.00E-78	NPAS3
CL342101	RP44_261F8	T7	14	31652768	31653196	31.65	2.00E-24	NPAS3
CL346337	RP44_270L19	T7	14	31699937	31700368	31.70	e-123	NPAS3
CL375939	RP44_441H19	T7	14	31699937	31700267	31.70	1.00E-92	NPAS3
CL348954	RP44_275H23	T7	14	31939879	31940468	31.94	e-118	NPAS3
CL342286	RP44_262K9	T7	14	31996160	31996564	32.00	5.00E-28	NPAS3
CL359088	RP44_335P11	SP6	14	32045760	32045826	32.05	5.00E-12	NPAS3
CL349036	RP44_275H23	SP6	14	32085171	32085223	32.09	6.00E-06	NPAS3
CL324591	RP44_476A8	SP6	14	32102138	32102596	32.10	0	NPAS3
CL342364	RP44_262K9	SP6	14	32168493	32168706	32.17	6.00E-09	NPAS3
CL363608	RP44_388B22	SP6	14	32240888	32241271	32.24	3.00E-50	NPAS3
CL324590	RP44_476A8	T7	14	32254199	32254588	32.25	6.00E-79	NPAS3
CL351314	RP44_312E18	T7	14	32535108	32535305	32.54	2.00E-49	EGLN3
CL366256	RP44_358H9	SP6	14	32539616	32539739	32.54	5.00E-20	EGLN3
CL336757	RP44_263F5	T7	14	32572207	32572583	32.57	5.00E-40	EGLN3
CL348921	RP44_275B15	T7	14	32606987	32607069	32.61	5.00E-19	EGLN3
CL323653	RP44_458H14	SP6	14	32617089	32617415	32.62	6.00E-18	EGLN3

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CL333502	RP44_249L22	SP6	14	32632324	32632460	32.63	1.00E-10	EGLN3
CL349003	RP44_275B15	SP6	14	32773865	32773971	32.77	6.00E-12	LOC145293
CL380430	RP44_429C19	SP6	14	32910340	32910557	32.91	8.00E-14	C14orf147
CL341555	RP44_260D20	SP6	14	33060389	33060466	33.06	3.00E-13	SNX6
CL349781	RP44_309N4	T7	14	33306853	33307466	33.31	2.00E-06	BAZ1A
CL412295	RP44_430L24	T7	14	33487330	33487461	33.49	8.00E-39	SRP54
CL370536	RP44_295B6	SP6	14	33689073	33689220	33.69	2.00E-17	KIAA0391
CL343451	RP44_276J20	T7	14	33732638	33732814	33.73	1.00E-34	KIAA0391
CL324806	RP44_478M19	T7	14	33744104	33744719	33.74	2.00E-07	NA
CL380022	RP44_428J3	T7	14	33770291	33770692	33.77	5.00E-10	PSMA6
CL331992	CH242_10G21	T7	14	33942076	33942607	33.94	5.00E-34	NA
CL380103	RP44_428J3	SP6	14	33964392	33964682	33.96	2.00E-08	NA
CL413488	RP44_433G12	SP6	14	33987111	33987199	33.99	4.00E-11	NA
CL361986	RP44_353O15	SP6	14	33992452	33992629	33.99	5.00E-34	NA
CL322936	RP44_437G14	SP6	14	34044235	43431960	38.74	2.00E-06	KIAA0423
CL322056	RP44_399J1	T7	14	34123768	34123820	34.12	5.00E-06	GRIPE
CL337133	RP44_264A3	SP6	14	34289976	34290118	34.29	2.00E-12	BRMS1
CL383263	RP44_325D24	SP6	14	34339323	34340037	34.34	1.00E-13	NA
CL383011	RP44_325F1	T7	14	34455135	34455572	34.46	1.00E-09	LOC350022
CL377958	RP44_422B12	T7	14	34584727	34584758	34.58	8.00E-08	LOC341837
CL383096	RP44_325F1	SP6	14	34623643	34623813	34.62	8.00E-33	LOC341837
CL369902	RP44_292N6	T7	14	34688745	34688822	34.69	1.00E-13	LOC341838
CL367403	RP44_367G16	SP6	14	34745440	34745798	34.75	2.00E-08	LOC341838
CL385071	RP44_330G7	SP6	14	34879602	34879689	34.88	2.00E-12	NA
CL388054	RP44_284M9	SP6	14	35060251	35060704	35.06	8.00E-08	LOC341840
CL414255	RP44_436E4	SP6	14	35072623	35072740	35.07	1.00E-09	LOC341840
CL347856	RP44_273I2	T7	14	35138104	35138595	35.14	2.00E-42	NA
CL330567	CH242_4K19	SP6	14	35200879	35201381	35.20	0	SLC25A21
CL328862	RP44_373L8	SP6	14	35243519	35243606	35.24	2.00E-16	SLC25A21
CL388459	RP44_284N12	T7	14	35249263	35249526	35.25	3.00E-23	SLC25A21
CL414177	RP44_436E4	T7	14	35250612	35251104	35.25	e-169	SLC25A21
CL371832	RP44_304D13	SP6	14	35308885	35309023	35.31	2.00E-21	SLC25A21
CL347930	RP44_273I2	SP6	14	35308931	35309023	35.31	1.00E-09	SLC25A21
CL375996	RP44_441L12	T7	14	35427378	35427581	35.43	9.00E-12	SLC25A21
CL332466	CH242_10P15	SP6	14	35721992	35722279	35.72	4.00E-96	MIPOL1
CL330069	CH242_3A10	SP6	14	35731232	35731381	35.73	5.00E-06	MIPOL1
CL330150	CH242_3O22	SP6	14	35863007	35863511	35.86	2.00E-89	MIPOL1
CL328191	RP44_248M3	SP6	14	36211875	36211990	36.21	8.00E-08	NA
CL357879	RP44_413N14	T7	14	36272173	36272234	36.27	2.00E-06	TTC6
CL389602	RP44_286P2	SP6	14	36324339	36324614	36.32	e-113	NA
CL320614	CH242_10N22	T7	14	36361558	36361906	36.36	1.00E-10	NA
CL365347	RP44_400H24	T7	14	36373960	36374000	36.37	6.00E-06	NA
CL328116	RP44_248M3	T7	14	36427593	36427887	36.43	1.00E-18	NA
CL389525	RP44_286P2	T7	14	36502033	36502177	36.50	2.00E-23	NA
CL413669	RP44_433N8	SP6	14	36580364	36580854	36.58	3.00E-32	NA
CL381261	RP44_315N1	T7	14	36733015	36733524	36.73	6.00E-55	NA
CL357015	RP44_412O20	SP6	14	36812119	36812414	36.81	8.00E-08	NA
CL411452	RP44_421L6	SP6	14	36887068	36887116	36.89	2.00E-08	NA
CL356947	RP44_412O20	T7	14	37012306	37012390	37.01	7.00E-09	NA
CL323146	RP44_457H9	SP6	14	37289328	37289365	37.29	1.00E-06	LOC283547
CL373265	RP44_308A14	SP6	14	37335225	37335465	37.34	1.00E-37	LOC283547
CL345000	RP44_279F17	T7	14	37556326	37556525	37.56	1.00E-07	SEC23A
CL378831	RP44_425G5	SP6	14	37560522	37561607	37.56	4.00E-16	SEC23A
CL338348	RP44_266G17	T7	14	37751799	37751944	37.75	2.00E-18	MGEA6
CL373744	RP44_469C3	SP6	14	37751865	37752074	37.75	8.00E-36	MGEA6
CL440205	RP44_299P24	SP6	14	37846207	37846371	37.85	2.00E-23	MGEA6
CL338430	RP44_266G17	SP6	14	38041059	38041588	38.04	9.00E-08	NA
CL365572	RP44_354I9	T7	14	38387035	38387071	38.39	3.00E-06	LOC341841
CL378669	RP44_424D20	SP6	14	38903322	38903386	38.90	2.00E-06	NA
CL337677	RP44_265A23	T7	14	39158112	39158310	39.16	6.00E-19	NA
CL382167	RP44_323H21	T7	14	39543962	39544271	39.54	5.00E-10	NA
CL365499	RP44_353J10	SP6	14	39550422	39550462	39.55	5.00E-06	NA
CL334139	RP44_251I17	T7	14	39825754	39825802	39.83	7.00E-11	NA
CL376728	RP44_445F7	T7	14	39825754	39825802	39.83	8.00E-11	NA
CL360499	RP44_339J19	T7	14	39845219	39845361	39.85	1.00E-12	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL332193	CH242_10K16	T7	14	39857196	39857395	39.86	4.00E-72	NA
CL341981	RP44_261J7	T7	14	39942803	39943134	39.94	7.00E-30	NA
CL360427	RP44_339I8	SP6	14	40408845	40409046	40.41	5.00E-13	LOC338904
CL411872	RP44_430G7	SP6	14	40445921	40446148	40.45	1.00E-40	LOC338904
CL364103	RP44_396G23	T7	14	40481586	40481690	40.48	6.00E-06	LOC338904
CL352651	RP44_401B9	SP6	14	40547352	40547442	40.55	5.00E-25	LOC338904
CL344457	RP44_278H17	SP6	14	41094387	41094467	41.09	3.00E-08	LOC350024
CL386898	RP44_335A1	SP6	14	41162100	41162491	41.16	4.00E-59	LOC350024
CL389807	RP44_287K2	T7	14	41549810	41550121	41.55	1.00E-13	NA
CL367529	RP44_367P17	T7	14	41602356	41602592	41.60	4.00E-07	LOC338905
CL343002	RP44_276C15	SP6	14	42362504	42362623	42.36	1.00E-06	NA
CL385147	RP44_330G14	T7	14	42449481	42449659	42.45	1.00E-10	LOC350026
CL371458	RP44_302D20	T7	14	42539955	42540167	42.54	2.00E-12	NA
CL385222	RP44_330G14	SP6	14	42610352	42610767	42.61	e-157	NA
CL378360	RP44_424E12	T7	14	42742556	42743128	42.74	4.00E-41	NA
CL353139	RP44_402C24	SP6	14	42803336	42803374	42.80	1.00E-09	LOC341845
CL323532	RP44_458K24	T7	14	42830263	42830369	42.83	5.00E-10	LOC341845
CL413611	RP44_433B8	SP6	14	43151802	43152239	43.15	6.00E-89	NA
CL380387	RP44_429M1	T7	14	43199078	43199118	43.20	7.00E-06	NA
CL363031	RP44_383A7	SP6	14	43362682	43363225	43.36	5.00E-28	C14orf28
CL389071	RP44_286A7	SP6	14	43392023	43392876	43.39	2.00E-18	LOC122524
CL328359	RP44_248M18	SP6	14	43417926	43418096	43.42	6.00E-09	NA
CL388995	RP44_286A7	T7	14	43597696	43597740	43.60	6.00E-06	KIAA1596
CL328278	RP44_248M18	T7	14	43618480	43618576	43.62	5.00E-25	KIAA1596
CL349979	RP44_310E11	SP6	14	43838592	43838633	43.84	6.00E-09	NA
CL412563	RP44_431A18	T7	14	44082478	44082546	44.08	2.00E-08	LOC341847
CL336192	RP44_255J9	T7	14	44653134	44653253	44.65	1.00E-07	NA
CL336267	RP44_255J9	SP6	14	44829837	44830165	44.83	1.00E-10	NA
CL345250	RP44_279L6	SP6	14	44830289	44830481	44.83	1.00E-31	NA
CL363530	RP44_388B8	T7	14	44830327	44830481	44.83	7.00E-14	NA
CL380813	RP44_314E8	SP6	14	44857121	44857723	44.86	3.00E-57	NA
CL351599	RP44_313I15	SP6	14	44942140	44942410	44.94	1.00E-07	NA
CL351898	RP44_313D13	SP6	14	45048813	45048869	45.05	3.00E-08	NA
CL377398	RP44_449D20	T7	14	45175980	45176024	45.18	2.00E-08	NA
CL377105	RP44_449K14	T7	14	45455383	45455453	45.46	4.00E-10	NA
CL377193	RP44_449K14	SP6	14	45609545	45609806	45.61	1.00E-28	LOC161356
CL356613	RP44_411H4	T7	14	45868708	45868983	45.87	8.00E-48	LOC341848
CL377481	RP44_449H10	SP6	14	46178628	46178922	46.18	3.00E-41	NA
CL377180	RP44_449I10	SP6	14	46178628	46178922	46.18	3.00E-41	NA
CL389879	RP44_287G20	SP6	14	46189581	46190045	46.19	e-136	NA
CL345840	RP44_280L14	T7	14	46833045	46833335	46.83	1.00E-25	LOC341851
CL356368	RP44_411I18	T7	14	46833407	46833988	46.83	2.00E-67	LOC341851
CL356244	RP44_411I17	T7	14	46833740	46833917	46.83	1.00E-45	LOC341851
CL354503	RP44_407O2	T7	14	46979625	46979739	46.98	4.00E-19	LOC348039
CL388334	RP44_284F9	SP6	14	47087474	47087553	47.09	5.00E-08	NA
CL331118	CH242_6F17	SP6	14	47207114	47207790	47.21	4.00E-60	NA
CL379189	RP44_426M23	SP6	14	47334670	47334765	47.33	1.00E-07	NA
CL379195	RP44_426O13	SP6	14	47334670	47334765	47.33	1.00E-07	NA
CL388250	RP44_284F9	T7	14	47357555	47357667	47.36	1.00E-15	LOC350032
CL333633	RP44_250K19	SP6	14	47515380	47515998	47.52	9.00E-58	LOC341852
CL330033	CH242_3K2	T7	14	47593469	47593645	47.59	8.00E-15	LOC350033
CL409294	RP44_417O3	T7	14	47625396	47625688	47.63	2.00E-58	LOC350033
CL357547	RP44_413K20	T7	14	47803745	47803805	47.80	4.00E-06	LOC338906
CL408985	RP44_416J19	SP6	14	47913956	47914489	47.91	1.00E-43	LOC338906
CL332333	CH242_10F21	T7	14	48107518	48108157	48.11	7.00E-40	POLE2
CL373994	RP44_469D1	T7	14	48110865	48111107	48.11	2.00E-45	POLE2
CL366155	RP44_358O20	SP6	14	48237017	48237513	48.24	6.00E-27	KLHDC2
CL366156	RP44_358O22	SP6	14	48237017	48237535	48.24	3.00E-29	KLHDC2
CL332417	CH242_10F21	SP6	14	48271707	48271962	48.27	7.00E-12	SDCCAG1
CL370210	RP44_294L13	SP6	14	48374619	48374742	48.37	3.00E-10	ARF6
CL379258	RP44_426O22	T7	14	48379806	48379923	48.38	3.00E-18	ARF6
CL366084	RP44_358O22	T7	14	48429275	48429551	48.43	4.00E-10	NA
CL366083	RP44_358O20	T7	14	48429284	48429551	48.43	3.00E-07	NA
CL354373	RP44_406J17	T7	14	48557693	48557763	48.56	2.00E-07	NA
CL369704	RP44_292O13	SP6	14	48561853	48561953	48.56	3.00E-11	NA

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CL341320	RP44_260D21	T7	14	48775234	48775271	48.78	1.00E-06	ATP5S
CL354923	RP44_408P17	T7	14	48802052	48802263	48.80	5.00E-22	CDKL1
CL324149	RP44_463L14	SP6	14	48802063	48802158	48.80	7.00E-20	CDKL1
CL358303	RP44_414H5	T7	14	48885905	48886019	48.89	3.00E-31	MAP4K5
CL345829	RP44_280J14	T7	14	48891017	48891337	48.89	5.00E-96	MAP4K5
CL378330	RP44_423P14	SP6	14	48991253	48991597	48.99	7.00E-39	SPG3A
CL376652	RP44_445E3	SP6	14	48991326	48991597	48.99	7.00E-17	SPG3A
CL413534	RP44_433O20	SP6	14	49059917	49059975	49.06	8.00E-12	SPG3A
CL334067	RP44_250L10	SP6	14	49186215	49186508	49.19	7.00E-69	NIN
CL334273	RP44_251E6	T7	14	49239152	49239285	49.24	6.00E-40	NIN
CL364262	RP44_396E24	T7	14	49285058	49285515	49.29	1.00E-83	NIN
CL366148	RP44_358O2	SP6	14	49358861	49358926	49.36	1.00E-06	C14orf29
CL326035	RP44_242B16	SP6	14	49452570	49452645	49.45	3.00E-10	TRIM9
CL373778	RP44_469I5	SP6	14	49508283	49508985	49.51	5.00E-19	TRIM9
CL323604	RP44_458D8	SP6	14	49772063	49772112	49.77	2.00E-06	LOC341855
CL373457	RP44_308J11	SP6	14	49787973	49788238	49.79	8.00E-98	NA
CL373241	RP44_308M8	T7	14	49824275	49824515	49.82	3.00E-59	NA
CL373211	RP44_308G8	T7	14	49824275	49824590	49.82	2.00E-86	NA
CL382624	RP44_324D17	SP6	14	49898622	49898937	49.90	1.00E-10	NA
CL382549	RP44_324D17	T7	14	50052746	50052892	50.05	5.00E-13	C14orf31
CL366292	RP44_358P3	SP6	14	50111363	50111614	50.11	8.00E-85	C14orf31
CL351311	RP44_312E12	T7	14	50303798	50304387	50.30	2.00E-12	LOC341857
CL346395	RP44_270J5	SP6	14	50385506	50386316	50.39	4.00E-09	LOC341858
CL339793	RP44_256I9	SP6	14	50814142	50814212	50.81	2.00E-07	NA
CL353207	RP44_402D23	SP6	14	50951754	50951810	50.95	1.00E-10	KIAA1344
CL353264	RP44_402D23	T7	14	51139137	51140212	51.14	3.00E-07	ERO1L
CL354637	RP44_408O23	T7	14	51157577	51157697	51.16	7.00E-18	NA
CL379569	RP44_426D18	SP6	14	51305581	51305760	51.31	2.00E-38	NA
CL322661	RP44_416G16	T7	14	51310168	51310327	51.31	6.00E-26	NA
CL412272	RP44_430H22	T7	14	51411237	51411709	51.41	6.00E-77	NA
CL326172	RP44_243M5	T7	14	51509167	51509317	51.51	1.00E-18	DDHD1
CL378701	RP44_424L24	SP6	14	51785276	51785650	51.79	1.00E-10	LOC350036
CL380236	RP44_428B4	SP6	14	51891919	51892013	51.89	1.00E-16	LOC341861
CL333577	RP44_250O5	T7	14	51996439	51997152	52.00	2.00E-27	NA
CL357566	RP44_413O14	T7	14	52036018	52036301	52.04	2.00E-86	NA
CL346385	RP44_270H7	SP6	14	52085595	52086028	52.09	3.00E-90	LOC350038
CL321316	CH242_15B20	SP6	14	52152811	52153141	52.15	1.00E-70	NA
CL370620	RP44_296E1	T7	14	52166007	94530765	73.35	3.00E-13	NA
CL360616	RP44_340F16	T7	14	52166007	94530765	73.35	3.00E-13	NA
CL321751	CH242_13H13	T7	14	52248657	52249255	52.25	4.00E-13	NA
CL370697	RP44_296E1	SP6	14	52381307	52381564	52.38	1.00E-09	NA
CL345932	RP44_269A16	SP6	14	52405260	52405308	52.41	6.00E-09	NA
CL371571	RP44_302P8	SP6	14	52406193	52406396	52.41	1.00E-43	NA
CL386171	RP44_333I14	T7	14	52410063	52410235	52.41	2.00E-53	BMP4
CL321899	CH242_15B20	T7	14	52423040	52423264	52.42	1.00E-16	NA
CL320613	CH242_10N20	SP6	14	52499253	52499905	52.50	9.00E-18	NA
CL327403	RP44_245B1	SP6	14	52642140	52642695	52.64	e-154	NA
CL333343	RP44_249I12	SP6	14	52682949	52683193	52.68	7.00E-93	NA
CL356376	RP44_411K18	T7	14	52746434	52746639	52.75	7.00E-26	NA
CL356347	RP44_411C8	T7	14	52746434	52746716	52.75	7.00E-30	NA
CL366876	RP44_362N18	SP6	14	52748215	52748800	52.75	4.00E-59	NA
CL327321	RP44_245B1	T7	14	52858265	52858337	52.86	2.00E-20	CDKN3
CL366799	RP44_362N18	T7	14	52979193	52979358	52.98	5.00E-76	CGR19
CL384708	RP44_329B21	T7	14	52995071	52995107	53.00	7.00E-06	CGR19
CL390234	RP44_288O15	SP6	14	53025734	53026188	53.03	e-114	KIAA1053
CL408487	RP44_415D19	T7	14	53106520	53106585	53.11	4.00E-07	KIAA1053
CL329654	RP44_394B2	T7	14	53166431	53166614	53.17	1.00E-09	KIAA1053
CL336982	RP44_263D8	SP6	14	53486074	53486267	53.49	3.00E-35	SOCS7
CL411459	RP44_421L22	SP6	14	53486074	53486267	53.49	8.00E-29	SOCS7
CL411463	RP44_421N14	SP6	14	53486074	53486530	53.49	7.00E-27	SOCS7
CL336789	RP44_263L9	T7	14	53585427	53585473	53.59	2.00E-07	NA
CL378058	RP44_422J16	SP6	14	53604606	53604830	53.60	4.00E-07	NA
CL321455	CH242_20D24	T7	14	53633813	53633956	53.63	1.00E-42	DLG7
CL344722	RP44_279M13	T7	14	53636107	53636264	53.64	7.00E-24	DLG7
CL410293	RP44_418L12	SP6	14	54214389	54214782	54.21	3.00E-32	LOC341868

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CL363894	RP44_392K8	SP6	14	54298348	54299252	54.30	4.00E-07	LOC341869
CL327490	RP44_246C21	T7	14	54604526	54604594	54.60	5.00E-06	PEL12
CL353741	RP44_403J13	SP6	14	54704593	54704630	54.70	1.00E-06	PEL12
CL326056	RP44_242F16	SP6	14	54938417	54938566	54.94	5.00E-09	NA
CL345744	RP44_280J13	SP6	14	55106763	55107121	55.11	2.00E-63	NA
CL354728	RP44_408G8	T7	14	55106903	55107321	55.11	1.00E-43	NA
CL354797	RP44_408G8	SP6	14	55269639	55269975	55.27	e-162	NA
CL388256	RP44_284F23	T7	14	55360798	55361224	55.36	8.00E-54	NA
CL364829	RP44_400E19	SP6	14	55436676	55437008	55.44	7.00E-43	NA
CL412734	RP44_431B9	T7	14	55462789	55462973	55.46	2.00E-08	LOC350044
CL342448	RP44_262K6	T7	14	55463382	55463445	55.46	5.00E-10	LOC350044
CL362826	RP44_380J6	T7	14	55542521	55543216	55.54	e-138	LOC341878
CL334922	RP44_252C4	SP6	14	55543125	55543624	55.54	0	LOC341878
CL388340	RP44_284F23	SP6	14	55578745	55581276	55.58	8.00E-14	LOC341878
CL342529	RP44_262K6	SP6	14	55659248	55659324	55.66	1.00E-09	NA
CL364890	RP44_400E19	T7	14	55659248	55659387	55.66	3.00E-18	NA
CL368997	RP44_289P22	SP6	14	55675587	55675678	55.68	3.00E-17	SEC10L1
CL346537	RP44_270D20	SP6	14	55809964	55810049	55.81	2.00E-06	NA
CL383654	RP44_327G17	T7	14	56213373	75253142	65.73	2.00E-08	KIAA0759
CL362497	RP44_377O14	SP6	14	56316270	56316712	56.32	1.00E-19	LOC350046
CL389863	RP44_287E8	SP6	14	56436794	56436993	56.44	9.00E-08	LOC341881
CL411336	RP44_420L20	T7	14	56461102	56461359	56.46	1.00E-42	C14orf37
CL356050	RP44_410D4	T7	14	56468339	56468462	56.47	4.00E-13	C14orf37
CL389778	RP44_287E8	T7	14	56595711	56596272	56.60	3.00E-57	C14orf37
CL368045	RP44_288O4	SP6	14	56754551	56754869	56.75	2.00E-14	NA
CL326380	RP44_243K14	SP6	14	56769561	56769685	56.77	3.00E-13	RBBP1
CL343312	RP44_276P1	T7	14	56915229	56915368	56.92	8.00E-24	KIAA0586
CL390302	RP44_288O4	T7	14	56931484	56932500	56.93	1.00E-25	KIAA0586
CL320388	CH242_6H22	SP6	14	57022654	57022906	57.02	1.00E-40	NA
CL358522	RP44_414D14	SP6	14	57121234	57121381	57.12	2.00E-17	NA
CL325738	RP44_242O1	T7	14	57164889	57165294	57.17	5.00E-65	NA
CL320387	CH242_6H22	T7	14	57200531	57200845	57.20	1.00E-19	NA
CL332710	CH242_12K20	T7	14	57268476	57268535	57.27	4.00E-10	LOC283558
CL387282	RP44_281M5	SP6	14	57398433	57398699	57.40	2.00E-58	NA
CL349715	RP44_309N19	SP6	14	57437297	57437804	57.44	8.00E-18	NA
CL366914	RP44_363G7	T7	14	57458094	57458565	57.46	1.00E-09	NA
CL354334	RP44_406O5	SP6	14	57465822	57466118	57.47	7.00E-60	NA
CL390240	RP44_288A6	T7	14	57485110	57485268	57.49	4.00E-07	LOC341882
CL390251	RP44_288C6	T7	14	57485110	57485268	57.49	3.00E-07	LOC341882
CL408403	RP44_415C12	SP6	14	57496949	57497001	57.50	4.00E-13	LOC341882
CL358762	RP44_415C12	T7	14	57588816	57588877	57.59	2.00E-06	NA
CL412317	RP44_430B8	SP6	14	57631226	57631301	57.63	1.00E-12	PPIAP5
CL325795	RP44_242M13	SP6	14	57649010	57649304	57.65	4.00E-12	DAAM1
CL325939	RP44_242F17	T7	14	57771569	57771662	57.77	3.00E-07	DAAM1
CL371302	RP44_302D13	T7	14	58065330	58065362	58.07	2.00E-08	RTN1
CL358331	RP44_414N5	T7	14	58203159	58203282	58.20	2.00E-11	RTN1
CL369481	RP44_291I12	T7	14	58353830	58353939	58.35	2.00E-10	NA
CL329848	CH242_3G11	T7	14	58377395	58377440	58.38	2.00E-06	NA
CL320957	CH242_15K21	SP6	14	58560054	58560118	58.56	1.00E-10	C14orf135
CL373900	RP44_469O12	T7	14	58740611	58741084	58.74	4.00E-16	PPM1A
CL363709	RP44_389L3	SP6	14	58784233	58784644	58.78	2.00E-33	LOC341884
CL370851	RP44_300F19	T7	14	58802823	58802909	58.80	4.00E-07	NA
CL369136	RP44_290K15	SP6	14	58954029	58954241	58.95	2.00E-12	LOC348044
CL369438	RP44_291O11	SP6	14	58954077	58954241	58.95	3.00E-10	LOC348044
CL370936	RP44_300F19	SP6	14	58992976	58993151	58.99	4.00E-16	NA
CL370915	RP44_300B19	SP6	14	58993038	58993151	58.99	4.00E-16	NA
CL370948	RP44_300H19	SP6	14	58993066	58993151	58.99	5.00E-12	NA
CL383615	RP44_326P8	SP6	14	59017835	59018213	59.02	3.00E-17	NA
CL369056	RP44_290K15	T7	14	59134595	59134926	59.13	3.00E-87	NA
CL351621	RP44_313M19	SP6	14	59424990	59425544	59.43	2.00E-51	MNAT1
CL374687	RP44_470H3	T7	14	59444123	59444174	59.44	5.00E-15	SLC38A6
CL351709	RP44_313M20	T7	14	59670075	59670178	59.67	1.00E-15	NA
CL379818	RP44_428A22	T7	14	59714035	59714674	59.71	e-141	LOC350050
CL373150	RP44_307L13	SP6	14	59783458	59783499	59.78	7.00E-09	PRKCH
CL320472	CH242_10B4	SP6	14	60161038	60161610	60.16	2.00E-09	HIF1A

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL363566	RP44_388J2	T7	14	60172396	60172444	60.17	5.00E-06	HIF1A
CL371860	RP44_304J3	SP6	14	60191708	60192119	60.19	7.00E-09	HIF1A
CL326460	RP44_243L21	SP6	14	60260426	60260466	60.26	6.00E-06	NA
CL409150	RP44_416N14	T7	14	60595650	60595867	60.60	1.00E-25	NA
CL334648	RP44_251H8	SP6	14	60596114	60596224	60.60	2.00E-17	NA
CL378398	RP44_424O14	T7	14	60670433	60670710	60.67	7.00E-21	NA
CL378645	RP44_424P14	T7	14	60670433	60670710	60.67	9.00E-21	NA
CL353636	RP44_403M22	SP6	14	60695376	60695461	60.70	2.00E-06	NA
CL323940	RP44_463O17	T7	14	60925571	60925715	60.93	3.00E-22	NA
CL384201	RP44_328N11	SP6	14	61474031	61474100	61.47	3.00E-11	KCNH5
CL360603	RP44_340B18	T7	14	61551170	61551252	61.55	5.00E-09	KCNH5
CL328583	RP44_248L16	T7	14	61776970	61777163	61.78	2.00E-12	NA
CL333078	RP44_248L16	SP6	14	61914183	61914621	61.91	2.00E-09	PPP2R5E
CL332076	CH242_10G11	SP6	14	61944368	62624042	62.28	2.00E-12	SYNE2
CL322005	RP44_399D17	SP6	14	62411436	62411696	62.41	2.00E-82	SYNE2
CL329996	CH242_3C10	T7	14	62483648	62483819	62.48	5.00E-15	SYNE2
CL332361	CH242_10L11	T7	14	62506363	62507389	62.51	6.00E-71	SYNE2
CL362391	RP44_377K4	T7	14	62550100	62550164	62.55	3.00E-20	SYNE2
CL362372	RP44_377G6	T7	14	62550100	62550165	62.55	7.00E-21	SYNE2
CL379684	RP44_428I7	T7	14	62564211	62564372	62.56	5.00E-28	SYNE2
CL357217	RP44_412H22	T7	14	62660802	62661052	62.66	3.00E-16	SYNE2
CL382389	RP44_324E9	T7	14	62802612	62802645	62.80	1.00E-06	NA
CL344437	RP44_278D17	SP6	14	62845923	62845975	62.85	2.00E-08	MTHFD1
CL357894	RP44_413B2	SP6	14	62846615	62846839	62.85	5.00E-10	MTHFD1
CL381109	RP44_314P16	T7	14	62931020	62931193	62.93	3.00E-41	ZNF46
CL389115	RP44_286I17	SP6	14	62987036	62987468	62.99	2.00E-08	ZBTB1
CL339714	RP44_256G19	T7	14	63128304	63128354	63.13	1.00E-09	NA
CL364826	RP44_400E13	SP6	14	63304166	63304256	63.30	3.00E-07	SPTB
CL384879	RP44_329H14	T7	14	63332002	63332179	63.33	1.00E-14	SPTB
CL360056	RP44_338J17	SP6	14	63481902	63482100	63.48	2.00E-11	MAX
CL327595	RP44_246K1	SP6	14	64017839	64018366	64.02	3.00E-85	FUT8
CL328554	RP44_248F16	T7	14	64384342	64384609	64.38	7.00E-49	LOC341897
CL339920	RP44_256D13	SP6	14	64653978	64654454	64.65	7.00E-24	LOC350055
CL368078	RP44_288F13	T7	14	64728171	64728687	64.73	3.00E-07	LOC350055
CL343335	RP44_276D11	SP6	14	64745184	64745393	64.75	7.00E-15	LOC350056
CL411127	RP44_420M4	SP6	14	64838549	64838768	64.84	5.00E-30	LOC122438
CL336068	RP44_255A11	SP6	14	64838549	64838809	64.84	7.00E-51	LOC122438
CL340979	RP44_258J20	SP6	14	64883149	64883248	64.88	6.00E-15	NA
CL329231	RP44_386B2	SP6	14	65327794	65328118	65.33	1.00E-06	GPHN
CL367655	RP44_372K11	T7	14	65568616	65568759	65.57	7.00E-33	GPHN
CL412023	RP44_430E24	SP6	14	65624175	65624423	65.62	5.00E-16	GPHN
CL377181	RP44_449I12	SP6	14	66018661	66018760	66.02	9.00E-18	KIAA1200
CL371194	RP44_302M14	T7	14	66097230	66097381	66.10	2.00E-20	ARG2
CL387450	RP44_281O8	SP6	14	66247976	66248071	66.25	3.00E-10	NA
CL324238	RP44_474E18	T7	14	66272195	66272802	66.27	1.00E-62	NA
CL329942	CH242_3I13	SP6	14	66274120	66274733	66.27	6.00E-06	NA
CL352363	RP44_401K9	T7	14	66282053	66282121	66.28	3.00E-06	RAD51L1
CL339790	RP44_256I1	SP6	14	66440362	66440406	66.44	2.00E-08	RAD51L1
CL324239	RP44_474E18	SP6	14	66467256	66467304	66.47	2.00E-06	RAD51L1
CL324355	RP44_474O18	SP6	14	66566216	66566477	66.57	9.00E-36	RAD51L1
CL363658	RP44_388N20	SP6	14	66686206	66686361	66.69	2.00E-10	RAD51L1
CL413230	RP44_432H4	T7	14	66700557	66700707	66.70	7.00E-36	RAD51L1
CL413261	RP44_432N4	T7	14	66700606	66700707	66.70	5.00E-21	RAD51L1
CL384848	RP44_329P15	SP6	14	66873689	66874247	66.87	2.00E-27	RAD51L1
CL381915	RP44_323E5	SP6	14	66940122	66940449	66.94	8.00E-10	RAD51L1
CL412636	RP44_431O18	T7	14	66940582	66940995	66.94	1.00E-34	RAD51L1
CL409374	RP44_417O15	SP6	14	67014745	67014828	67.01	2.00E-07	RAD51L1
CL412726	RP44_431O18	SP6	14	67139042	67139132	67.14	5.00E-12	RAD51L1
CL368978	RP44_289L20	SP6	14	67417891	67418035	67.42	1.00E-24	ACTN1
CL334512	RP44_251H9	SP6	14	67600411	67600541	67.60	8.00E-08	WDR22
CL376259	RP44_443L3	SP6	14	67744533	67744732	67.74	2.00E-24	KIAA1130
CL368235	RP44_288H14	T7	14	67821389	67821583	67.82	7.00E-27	NA
CL375393	RP44_471P21	T7	14	67821389	67821583	67.82	1.00E-24	NA
CL376189	RP44_443L3	T7	14	67911533	67911799	67.91	7.00E-55	FLJ11274
CL374997	RP44_471E5	T7	14	67912483	67912629	67.91	1.00E-52	FLJ11274

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL327761	RP44_246M18	SP6	14	68043263	68043382	68.04	3.00E-17	LOC350059
CL375475	RP44_471P21	SP6	14	68063463	68063809	68.06	7.00E-08	NA
CL411096	RP44_420E2	SP6	14	68114700	68115118	68.11	2.00E-17	KIAA0247
CL363873	RP44_392E24	SP6	14	68121162	68121505	68.12	1.00E-52	KIAA0247
CL375082	RP44_471E5	SP6	14	68150086	68150306	68.15	4.00E-13	KIAA0247
CL327681	RP44_246M18	T7	14	68221784	68222368	68.22	7.00E-18	SFRS5
CL351962	RP44_313P21	SP6	14	68509376	68509709	68.51	7.00E-86	SLC8A3
CL350596	RP44_311A9	SP6	14	68509376	68509772	68.51	2.00E-85	SLC8A3
CL377717	RP44_457E16	T7	14	68514419	68514490	68.51	9.00E-20	SLC8A3
CL377939	RP44_422N5	SP6	14	68670572	68670745	68.67	2.00E-23	LOC338913
CL330072	CH242_3A16	SP6	14	68827478	68827597	68.83	2.00E-17	NA
CL375097	RP44_471G11	SP6	14	68844682	68844810	68.84	8.00E-14	SYNJ2BP
CL347286	RP44_272I18	T7	14	69469701	69469983	69.47	e-118	PCNX
CL329162	RP44_382J16	SP6	14	69482974	69483357	69.48	4.00E-43	PCNX
CL342588	RP44_262F21	T7	14	69488540	89113741	79.30	2.00E-46	TTC7L1
CL340227	RP44_257G5	SP6	14	69570037	69570307	69.57	5.00E-15	NA
CL361869	RP44_353E1	T7	14	69626862	69626943	69.63	4.00E-09	NA
CL330932	CH242_6O15	T7	14	69993045	69993425	69.99	5.00E-28	KIAA0440
CL369515	RP44_291A18	SP6	14	70151872	70151990	70.15	1.00E-20	KIAA0440
CL367163	RP44_364O13	SP6	14	70233354	70233976	70.23	e-113	LOC341906
CL348563	RP44_274L20	SP6	14	70457982	70458066	70.46	4.00E-18	RGS6
CL387407	RP44_281G2	SP6	14	70639882	70640319	70.64	3.00E-63	RGS6
CL328319	RP44_248E20	SP6	14	70699410	70699483	70.70	1.00E-13	RGS6
CL324338	RP44_474O2	T7	14	70709208	70709440	70.71	3.00E-39	RGS6
CL382173	RP44_323J9	T7	14	70851794	70851844	70.85	6.00E-08	RGS6
CL323708	RP44_458N2	SP6	14	70939312	70939353	70.94	2.00E-06	RGS6
CL337206	RP44_264O3	SP6	14	71014471	71014593	71.01	3.00E-14	RGS6
CL362062	RP44_353P17	T7	14	71097580	71097675	71.10	3.00E-17	DPF3
CL333717	RP44_250O12	T7	14	71135302	71135631	71.14	5.00E-83	DPF3
CL337122	RP44_264O3	T7	14	71182976	71183538	71.18	2.00E-21	DPF3
CL367557	RP44_367F11	SP6	14	71229290	71229464	71.23	1.00E-28	DPF3
CL342427	RP44_262G2	T7	14	71231250	71231534	71.23	7.00E-15	DPF3
CL333788	RP44_250O12	SP6	14	71345473	71345841	71.35	6.00E-48	DPF3
CL342507	RP44_262G2	SP6	14	71391408	71391454	71.39	3.00E-07	WDR21
CL349841	RP44_309J6	SP6	14	71391408	71391454	71.39	3.00E-07	WDR21
CL340463	RP44_257J3	T7	14	71610272	71611058	71.61	2.00E-09	PSEN1
CL355786	RP44_410O4	T7	14	71740769	71741112	71.74	e-116	NUMB
CL411220	RP44_420P17	T7	14	71770501	71770550	71.77	4.00E-08	NUMB
CL409114	RP44_416F4	T7	14	72378906	72380715	72.38	e-126	APA1
CL409140	RP44_416L4	T7	14	72378942	72380715	72.38	5.00E-89	APA1
CL352840	RP44_401F18	SP6	14	72495009	72495326	72.50	1.00E-10	C14orf45
CL338226	RP44_265P6	T7	14	72501057	72501107	72.50	4.00E-07	C14orf45
CL389899	RP44_287K16	SP6	14	72574607	72574648	72.57	6.00E-09	C14orf46
CL389814	RP44_287K16	T7	14	72781751	72781793	72.78	4.00E-07	NA
CL372338	RP44_305J17	SP6	14	72848424	72848994	72.85	2.00E-06	LOC350064
CL344986	RP44_279D1	T7	14	73073836	73073902	73.07	1.00E-21	NA
CL349804	RP44_309B6	SP6	14	73525816	73526221	73.53	1.00E-09	ACYP1
CL320288	CH242_2J19	T7	14	73673018	73673262	73.67	2.00E-13	NA
CL329552	RP44_394F11	SP6	14	73860711	73860834	73.86	6.00E-11	NA
CL374054	RP44_469N11	T7	14	74119435	74119630	74.12	2.00E-67	KIAA0998
CL358310	RP44_414H21	T7	14	74190350	74190975	74.19	5.00E-65	KIAA0998
CL336201	RP44_255L11	T7	14	74208966	74209341	74.21	5.00E-15	KIAA0998
CL374307	RP44_469P16	SP6	14	74805365	74805450	74.81	3.00E-07	LOC341913
CL354210	RP44_405D14	SP6	14	74953612	74953649	74.95	1.00E-06	ESRRB
CL340984	RP44_258L6	SP6	14	74957531	74957605	74.96	2.00E-14	ESRRB
CL341001	RP44_258P6	SP6	14	74957531	74957605	74.96	2.00E-14	ESRRB
CL379169	RP44_426K3	SP6	14	74989717	74989773	74.99	2.00E-08	LOC350068
CL412001	RP44_430A18	SP6	14	75096030	75096077	75.10	9.00E-08	NA
CL356740	RP44_412C19	T7	14	75100955	75101102	75.10	2.00E-39	LOC350069
CL359735	RP44_337G24	SP6	14	75415775	75416056	75.42	3.00E-60	LOC341915
CL350126	RP44_310A22	SP6	14	75539919	75539967	75.54	6.00E-06	NA
CL359373	RP44_336L9	SP6	14	75566311	75566374	75.57	8.00E-13	KIAA1737
CL340223	RP44_257E19	SP6	14	75698739	75698916	75.70	1.00E-37	NA
CL358855	RP44_335A24	SP6	14	75782996	75783299	75.78	1.00E-10	GSTZ1
CL338137	RP44_265N15	SP6	14	75793520	75794240	75.79	8.00E-18	LOC283578

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL348704	RP44_275I23	SP6	14	75879698	75879964	75.88	1.00E-09	NA
CL355183	RP44_409I18	T7	14	75881899	75881943	75.88	5.00E-06	NA
CL334694	RP44_252A9	T7	14	75890623	75890730	75.89	5.00E-15	C14orf133
CL386945	RP44_335I23	SP6	14	75924827	75925491	75.93	5.00E-22	AHSA1
CL340977	RP44_258J16	SP6	14	75972628	75972739	75.97	3.00E-11	SPTLC2
CL339410	RP44_268N8	T7	14	76018818	76018933	76.02	8.00E-27	SPTLC2
CL343604	RP44_277I3	T7	14	76059805	76059873	76.06	4.00E-13	SPTLC2
CL321821	CH242_15C23	T7	14	76401465	76402028	76.40	8.00E-30	LOC341917
CL410604	RP44_419J11	T7	14	76446211	76446677	76.45	3.00E-97	NA
CL362138	RP44_375O7	T7	14	76447029	76447109	76.45	2.00E-13	NA
CL364375	RP44_396M16	SP6	14	76538814	76538872	76.54	2.00E-09	FRDAP
CL337389	RP44_264F11	T7	14	76557741	76557795	76.56	5.00E-12	NA
CL320913	CH242_15C23	SP6	14	76581775	76582141	76.58	2.00E-82	NA
CL384505	RP44_329G19	SP6	14	76878360	76878418	76.88	4.00E-07	NRXN3
CL330905	CH242_6I9	T7	14	76918430	76918779	76.92	4.00E-09	NRXN3
CL377599	RP44_457O3	T7	14	77061856	77062101	77.06	6.00E-45	NRXN3
CL351671	RP44_313G6	T7	14	77066098	77066185	77.07	3.00E-10	NRXN3
CL320533	CH242_10F20	T7	14	77147439	77147834	77.15	1.00E-25	NRXN3
CL370443	RP44_295N15	SP6	14	77189875	77189979	77.19	6.00E-06	NRXN3
CL320270	CH242_2F7	T7	14	77310461	77310545	77.31	5.00E-12	NRXN3
CL367291	RP44_367A6	T7	14	77360864	77361032	77.36	2.00E-09	NRXN3
CL390111	RP44_288G21	T7	14	77465821	77466341	77.47	2.00E-21	NRXN3
CL367374	RP44_367A6	SP6	14	77518811	77519510	77.52	2.00E-61	NRXN3
CL352581	RP44_401D9	T7	14	77519019	77519521	77.52	1.00E-68	NRXN3
CL343003	RP44_276C19	SP6	14	77631306	77631357	77.63	9.00E-08	NRXN3
CL390193	RP44_288G21	SP6	14	77631306	77631357	77.63	9.00E-08	NRXN3
CL375141	RP44_471O15	SP6	14	77890737	77890835	77.89	8.00E-17	NRXN3
CL409219	RP44_417A7	T7	14	78019894	78020008	78.02	5.00E-15	NRXN3
CL375055	RP44_471O15	T7	14	78070950	78071230	78.07	2.00E-54	NRXN3
CL340645	RP44_257D20	SP6	14	78115325	78115637	78.12	8.00E-23	NRXN3
CL362632	RP44_380K19	SP6	14	78196597	78196744	78.20	2.00E-15	NRXN3
CL340570	RP44_257D20	T7	14	78277288	78277361	78.28	4.00E-16	NRXN3
CL383347	RP44_326C18	T7	14	78335093	78335419	78.34	4.00E-10	NA
CL362557	RP44_380K19	T7	14	78371926	78372612	78.37	6.00E-34	NA
CL332908	CH242_12F8	T7	14	78422005	78422237	78.42	1.00E-72	LOC341918
CL388190	RP44_284I8	SP6	14	78754802	78755103	78.75	8.00E-57	LOC341919
CL388114	RP44_284I8	T7	14	78875773	78875956	78.88	1.00E-42	LOC341920
CL377083	RP44_449G12	T7	14	79110604	79110816	79.11	1.00E-27	C14orf145
CL334477	RP44_251P19	T7	14	79447691	79447934	79.45	4.00E-28	TSHR
CL369747	RP44_292I6	SP6	14	79632896	79633036	79.63	6.00E-22	NA
CL333772	RP44_250K20	SP6	14	79652545	79652668	79.65	2.00E-36	GTF2A1
CL379924	RP44_428E16	SP6	14	79679841	79679960	79.68	8.00E-18	NA
CL375275	RP44_471I4	SP6	14	79724402	79724914	79.72	4.00E-19	STN2
CL345765	RP44_280N7	SP6	14	79779353	79779623	79.78	3.00E-22	STN2
CL350808	RP44_311O6	SP6	14	79844685	79844779	79.84	2.00E-08	STN2
CL338510	RP44_266I8	T7	14	79890787	79890888	79.89	6.00E-12	NA
CL368401	RP44_289K11	T7	14	79985393	79986042	79.99	3.00E-08	SEL1L
CL338593	RP44_266I8	SP6	14	80034760	80034905	80.03	4.00E-28	NA
CL327765	RP44_246O4	SP6	14	80210338	80210534	80.21	1.00E-41	LOC350072
CL378647	RP44_424P18	T7	14	80278886	80279092	80.28	4.00E-53	NA
CL378399	RP44_424O18	T7	14	80278914	80279092	80.28	5.00E-34	NA
CL372287	RP44_305P21	T7	14	80749800	80750075	80.75	1.00E-78	LOC348051
CL366535	RP44_362E4	SP6	14	80903949	80904181	80.90	4.00E-16	NA
CL364756	RP44_398H15	SP6	14	80992609	80992818	80.99	3.00E-23	NA
CL363517	RP44_388N23	SP6	14	81145387	81149829	81.15	3.00E-14	NA
CL363450	RP44_388N23	T7	14	81359651	81359722	81.36	4.00E-10	NA
CL346188	RP44_270M11	T7	14	81522787	81523026	81.52	1.00E-46	NA
CL339052	RP44_268A14	T7	14	81778069	81778232	81.78	2.00E-12	NA
CL374810	RP44_470N15	SP6	14	81991785	81992263	81.99	e-102	NA
CL359494	RP44_336J12	SP6	14	82069747	82069801	82.07	1.00E-16	NA
CL380457	RP44_429I9	SP6	14	82069747	82069801	82.07	1.00E-16	NA
CL335569	RP44_253D4	T7	14	82171472	82171575	82.17	2.00E-15	NA
CL343284	RP44_276J11	T7	14	82284102	82284708	82.28	7.00E-15	LOC341927
CL356400	RP44_411C6	SP6	14	82544748	82544795	82.54	8.00E-08	NA
CL349627	RP44_309L17	T7	14	82719459	82719582	82.72	2.00E-23	LOC350074

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL356346	RP44_411C6	T7	14	82755084	82755447	82.76	5.00E-24	LOC350074
CL349705	RP44_309L17	SP6	14	82891524	82891626	82.89	5.00E-12	LOC350074
CL363188	RP44_383A16	SP6	14	82891524	82891626	82.89	5.00E-12	LOC350074
CL344889	RP44_279O16	T7	14	83134356	83135029	83.13	4.00E-72	NA
CL323012	RP44_455D8	T7	14	83580522	83580633	83.58	1.00E-24	NA
CL327192	RP44_245O5	SP6	14	83625900	83625990	83.63	1.00E-16	NA
CL371855	RP44_304H15	SP6	14	83698749	83699362	83.70	1.00E-59	NA
CL386116	RP44_332L20	SP6	14	83699798	83700113	83.70	e-123	NA
CL332551	CH242_12O5	T7	14	83974707	83974776	83.97	6.00E-06	NA
CL323540	RP44_458M10	T7	14	84105510	84105971	84.11	e-116	LOC341929
CL338019	RP44_265H5	T7	14	84185730	84185842	84.19	6.00E-28	NA
CL373591	RP44_457D22	T7	14	84312959	84313647	84.31	3.00E-51	NA
CL339596	RP44_255P20	T7	14	84379588	84379690	84.38	4.00E-07	LOC341931
CL338101	RP44_265H5	SP6	14	84399622	84400046	84.40	7.00E-46	LOC341931
CL323589	RP44_458B16	T7	14	84466500	84466568	84.47	2.00E-15	NA
CL323215	RP44_457D22	SP6	14	84506589	84507066	84.51	e-114	LOC283584
CL344880	RP44_279M22	T7	14	84523326	84523604	84.52	7.00E-89	NA
CL323590	RP44_458B16	SP6	14	84612765	84613049	84.61	1.00E-07	LOC338920
CL339673	RP44_255P20	SP6	14	84612808	84613049	84.61	5.00E-06	LOC338920
CL323922	RP44_463K9	T7	14	84677935	84678003	84.68	4.00E-06	LOC338920
CL366263	RP44_358J1	SP6	14	84903471	84903790	84.90	e-131	NA
CL366281	RP44_358N1	SP6	14	84903471	84903926	84.90	e-150	NA
CL339013	RP44_268G9	SP6	14	84995558	84995869	85.00	5.00E-37	NA
CL339038	RP44_268M9	SP6	14	84995558	84995869	85.00	4.00E-34	NA
CL371589	RP44_304A22	T7	14	85076363	85076511	85.08	2.00E-14	NA
CL369663	RP44_292E23	SP6	14	85094745	85094795	85.09	3.00E-07	NA
CL409449	RP44_417O20	T7	14	85159156	85159240	85.16	1.00E-10	NA
CL329463	RP44_394K6	SP6	14	85409520	85409797	85.41	3.00E-60	NA
CL439825	RP44_297J4	T7	14	85455583	85455906	85.46	1.00E-56	NA
CL360808	RP44_341F14	SP6	14	85766322	85766516	85.77	1.00E-19	NA
CL408991	RP44_416L9	SP6	14	85897293	85897411	85.90	4.00E-10	LOC350076
CL337220	RP44_264A8	T7	14	85947508	85947636	85.95	7.00E-30	LOC350076
CL339214	RP44_268H1	T7	14	85962171	85962247	85.96	7.00E-18	NA
CL378111	RP44_423I2	T7	14	85993132	85993518	85.99	e-107	NA
CL372037	RP44_304L4	SP6	14	86023337	86023747	86.02	3.00E-20	NA
CL321613	CH242_13M6	T7	14	86122325	86122610	86.12	2.00E-27	NA
CL321695	CH242_13M6	SP6	14	86354993	86355233	86.36	9.00E-51	NA
CL375979	RP44_441F18	T7	14	86534827	86534920	86.53	8.00E-07	LOC283587
CL374023	RP44_469H15	T7	14	86541204	86541256	86.54	2.00E-08	LOC283587
CL341619	RP44_261A1	T7	14	86752156	86752473	86.75	3.00E-26	KCNK10
CL411448	RP44_421J22	SP6	14	87009456	87009703	87.01	1.00E-22	PTPN21
CL348303	RP44_274H15	T7	14	87010208	87010535	87.01	2.00E-17	PTPN21
CL371851	RP44_304H7	SP6	14	87010736	87010890	87.01	4.00E-15	PTPN21
CL371894	RP44_304P9	SP6	14	87010736	87010890	87.01	3.00E-15	PTPN21
CL348388	RP44_274H15	SP6	14	87182907	87183078	87.18	6.00E-65	EML5
CL337898	RP44_265M24	T7	14	87414342	87416174	87.42	6.00E-09	LOC341938
CL366361	RP44_358N14	T7	14	87617605	87618040	87.62	5.00E-15	CHES1
CL356314	RP44_411I23	SP6	14	87670898	87671294	87.67	2.00E-23	CHES1
CL360000	RP44_338P9	T7	14	87739153	87739269	87.74	4.00E-16	CHES1
CL373104	RP44_307D5	SP6	14	88081002	88081422	88.08	5.00E-12	LOC341941
CL336357	RP44_262L16	SP6	14	88092741	88092785	88.09	2.00E-08	LOC341941
CL332810	CH242_12M24	SP6	14	88155131	88155463	88.16	1.00E-13	LOC341941
CL336471	RP44_262L16	T7	14	88296789	88296881	88.30	2.00E-08	C14orf143
CL346001	RP44_269O20	SP6	14	88325081	88325217	88.33	1.00E-15	C14orf143
CL364183	RP44_396G7	SP6	14	88335284	88335685	88.34	4.00E-31	C14orf143
CL332723	CH242_12M24	T7	14	88378411	88378728	88.38	2.00E-36	C14orf143
CL385987	RP44_332P7	SP6	14	88450883	88450929	88.45	3.00E-07	TDP1
CL379782	RP44_428K9	SP6	14	88572659	88572710	88.57	9.00E-08	KCNK13
CL343475	RP44_276N24	T7	14	89097639	89098122	89.10	2.00E-70	TTC7L1
CL343554	RP44_276N24	SP6	14	89304233	89304307	89.30	3.00E-10	LOC283588
CL411456	RP44_421L16	SP6	14	89327361	89327508	89.33	4.00E-26	RPS6KA5
CL342673	RP44_262F21	SP6	14	89350795	89350978	89.35	1.00E-62	RPS6KA5
CL411378	RP44_421L16	T7	14	89514454	89514599	89.51	3.00E-40	RPS6KA5
CL380630	RP44_429I8	SP6	14	89687901	89688388	89.69	7.00E-33	LOC341944
CL413857	RP44_435I22	T7	14	90158837	90158937	90.16	9.00E-12	NA

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CL373343	RP44_308B13	T7	14	90187187	90187418	90.19	4.00E-13	LOC341945
CL366206	RP44_358L7	T7	14	90714153	90714962	90.71	3.00E-07	NA
CL369163	RP44_290A6	T7	14	90737310	90737369	90.74	1.00E-07	NA
CL381359	RP44_315P3	SP6	14	90746732	90746885	90.75	4.00E-19	NA
CL345252	RP44_279L14	SP6	14	90769395	90769436	90.77	1.00E-06	NA
CL369254	RP44_290A6	SP6	14	90901685	90901978	90.90	3.00E-07	SLC24A4
CL345173	RP44_279L14	T7	14	90938314	90938471	90.94	5.00E-13	SLC24A4
CL376844	RP44_445L3	SP6	14	91382911	91383089	91.38	8.00E-42	CHGA
CL361559	RP44_351G9	T7	14	91663182	91663271	91.66	1.00E-19	C14orf142
CL361646	RP44_351G9	SP6	14	91663182	91663424	91.66	1.00E-28	C14orf142
CL334252	RP44_251A4	T7	14	92089709	92089807	92.09	2.00E-26	KIAA1409
CL359967	RP44_338J3	T7	14	92334660	92334793	92.33	1.00E-09	NA
CL337847	RP44_265E8	T7	14	92664357	92664536	92.66	1.00E-11	KIAA1622
CL337007	RP44_263H16	SP6	14	92693914	92693965	92.69	1.00E-12	KIAA1622
CL348060	RP44_273F6	SP6	14	92701027	92701237	92.70	3.00E-35	KIAA1622
CL368499	RP44_289M19	SP6	14	92886050	92886121	92.89	4.00E-10	NA
CL325846	RP44_242O20	T7	14	93191049	93191096	93.19	3.00E-10	NA
CL359808	RP44_338I1	T7	14	93219340	93219904	93.22	7.00E-21	NA
CL360546	RP44_339D21	SP6	14	93260437	93260717	93.26	1.00E-07	NA
CL360584	RP44_339N11	SP6	14	93260437	93260717	93.26	9.00E-08	NA
CL330978	CH242_6I3	SP6	14	93449785	93449900	93.45	6.00E-12	NA
CL366152	RP44_358O10	SP6	14	93597746	93598089	93.60	2.00E-12	DICER1
CL360972	RP44_343O13	SP6	14	93793561	93793668	93.79	3.00E-25	NA
CL383835	RP44_327O20	T7	14	93793589	93793668	93.79	4.00E-13	NA
CL375175	RP44_471E22	T7	14	94239479	94239622	94.24	1.00E-19	NA
CL381914	RP44_323E3	SP6	14	94455178	94455623	94.46	3.00E-08	NA
CL349192	RP44_308B18	SP6	14	94697291	94697697	94.70	1.00E-95	BDKRB2
CL365860	RP44_356E19	SP6	14	95181593	95181772	95.18	4.00E-34	NA
CL338404	RP44_266C11	SP6	14	95250541	95250614	95.25	1.00E-11	NA
CL382563	RP44_324H5	T7	14	95282149	95282375	95.28	5.00E-22	VRK1
CL365799	RP44_356E19	T7	14	95359710	95360245	95.36	8.00E-42	NA
CL329105	RP44_382D14	SP6	14	95469885	95470007	95.47	6.00E-15	NA
CL389028	RP44_286G17	T7	14	95587632	95587927	95.59	e-117	LOC341956
CL321740	CH242_13F13	T7	14	95596298	95596405	95.60	1.00E-24	LOC341956
CL379944	RP44_428I10	SP6	14	95767424	95767796	95.77	e-157	LOC196857
CL384507	RP44_329I1	SP6	14	95865176	95865403	95.87	8.00E-54	LOC341957
CL414076	RP44_435H4	SP6	14	96006499	96006766	96.01	3.00E-62	NA
CL338566	RP44_266C18	SP6	14	96009282	96009396	96.01	5.00E-08	NA
CL340917	RP44_258N6	T7	14	96039898	96039977	96.04	9.00E-20	NA
CL351680	RP44_313G24	T7	14	96059083	96059503	96.06	e-109	NA
CL357154	RP44_412L7	SP6	14	96216545	96216716	96.22	1.00E-22	LOC341959
CL322752	RP44_437A9	T7	14	96368537	96368926	96.37	2.00E-67	LOC341960
CL357070	RP44_412L7	T7	14	96405238	96405403	96.41	1.00E-21	NA
CL380562	RP44_429K24	T7	14	96422730	96422819	96.42	6.00E-12	NA
CL373263	RP44_308A10	SP6	14	97176430	97176671	97.18	1.00E-61	NA
CL322361	RP44_404B20	SP6	14	97223997	97224221	97.22	1.00E-30	LOC341962
CL370527	RP44_295P10	T7	14	97647387	97647451	97.65	1.00E-09	BCL11B
CL342917	RP44_276C13	T7	14	97682285	97682561	97.68	8.00E-08	BCL11B
CL411034	RP44_420G4	T7	14	97717044	97717141	97.72	5.00E-31	BCL11B
CL365080	RP44_400D9	T7	14	97784189	97784221	97.78	6.00E-06	NA
CL327650	RP44_246G10	T7	14	97949820	97950003	97.95	2.00E-67	CCNK
CL329590	RP44_394J15	SP6	14	98118358	98118419	98.12	3.00E-09	KIAA1822
CL389910	RP44_287M16	SP6	14	98174423	98174507	98.17	1.00E-20	CYP46A1
CL342879	RP44_275L24	SP6	14	98486942	98487139	98.49	5.00E-31	EVL
CL368197	RP44_288P5	SP6	14	98502322	98503486	98.50	2.00E-08	EVL
CL328790	RP44_373D12	SP6	14	98748713	98748941	98.75	6.00E-85	C14orf69
CL328789	RP44_373D12	T7	14	98849050	98849420	98.85	5.00E-09	MGC4645
CL349383	RP44_309I17	SP6	14	98879398	98879628	98.88	8.00E-73	MGC4645
CL332582	CH242_12C23	SP6	14	99406218	99446535	99.43	5.00E-19	LOC341966
CL350174	RP44_310K14	SP6	14	99742825	99743204	99.74	3.00E-26	NA
CL377524	RP44_449P24	SP6	14	99926410	99926512	99.93	3.00E-07	LOC350099
CL365596	RP44_354O3	T7	14	100651314	100651726	100.65	e-123	WDR20
CL344134	RP44_278I17	SP6	14	100819327	100819513	100.82	2.00E-45	KIAA0329
CL374087	RP44_469D11	SP6	14	100819327	100819513	100.82	2.00E-45	KIAA0329
CL384549	RP44_329A12	T7	14	100906936	100907029	100.91	4.00E-16	KIAA0329

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL344056	RP44_278I17	T7	14	101050226	101050442	101.05	2.00E-19	RCOR
CL373999	RP44_469D11	T7	14	101050238	101050442	101.05	4.00E-17	RCOR
CL351940	RP44_313L19	SP6	14	101305859	101306447	101.31	3.00E-29	TRAF3
CL386929	RP44_335G1	SP6	14	102143478	102143600	102.14	2.00E-45	KNS2
CL362070	RP44_353B19	SP6	14	102845029	102845098	102.85	1.00E-18	NA
CL372679	RP44_306L9	SP6	14	102845034	102845098	102.85	2.00E-16	NA
CL412482	RP44_431A9	SP6	14	104255988	104256064	104.26	7.00E-11	NA
CL385756	RP44_332M6	T7	15	19746882	19748994	19.75	7.00E-08	LOC283694
CL414219	RP44_436M10	T7	15	20421279	20421414	20.42	2.00E-36	CYFIP1
CL411589	RP44_422G4	SP6	15	21326601	21326691	21.33	2.00E-17	NA
CL375740	RP44_436D12	SP6	15	22816041	22816073	22.82	6.00E-06	NA
CL413810	RP44_435O7	SP6	15	23075144	23075387	23.08	1.00E-34	UBE3A
CL439713	RP44_297B9	SP6	15	23408176	23408246	23.41	4.00E-07	ATP10A
CL365227	RP44_400P5	SP6	15	23524078	23524296	23.52	4.00E-13	ATP10A
CL359995	RP44_338N23	T7	15	23812480	23812514	23.81	4.00E-07	NA
CL350633	RP44_311I5	SP6	15	24411688	24412301	24.41	6.00E-08	GABRB3
CL331650	CH242_8F3	T7	15	24741622	24741652	24.74	3.00E-07	LOC350239
CL379939	RP44_428G24	SP6	15	25199448	25199489	25.20	1.00E-06	GABRG3
CL335196	RP44_253K3	T7	15	25258795	25259157	25.26	4.00E-25	NA
CL356235	RP44_411G21	T7	15	25258989	25259165	25.26	2.00E-27	NA
CL347995	RP44_273H2	T7	15	25734302	25734389	25.73	2.00E-12	OCA2
CL371247	RP44_302I2	SP6	15	25743037	25743513	25.74	2.00E-14	OCA2
CL350063	RP44_310G2	T7	15	25826567	25826774	25.83	3.00E-60	HERC2
CL348000	RP44_273H16	T7	15	27061740	27062094	27.06	2.00E-33	NA
CL373844	RP44_469E8	T7	15	27666482	27666557	27.67	4.00E-10	TJP1
CL377243	RP44_449F17	T7	15	27690517	27690686	27.69	1.00E-25	TJP1
CL347262	RP44_272E12	T7	15	29402036	29402166	29.40	5.00E-43	LOC161725
CL355757	RP44_410G24	T7	15	29666138	29666275	29.67	1.00E-34	LOC350122
CL327881	RP44_246L5	SP6	15	30554308	30554376	30.55	1.00E-06	SGNE1
CL358585	RP44_414P24	SP6	15	30719667	30719695	30.72	5.00E-06	LOC342183
CL390348	RP44_288G14	SP6	15	30743993	30744610	30.74	3.00E-60	NA
CL346900	RP44_271N13	SP6	15	30782732	30783148	30.78	7.00E-51	LOC342184
CL323552	RP44_458M24	SP6	15	30950571	30950671	30.95	3.00E-06	LOC123643
CL369783	RP44_292A10	T7	15	31187469	31187700	31.19	2.00E-20	RYR3
CL383028	RP44_325H19	T7	15	31225146	31225772	31.23	3.00E-42	RYR3
CL320762	CH242_13K21	SP6	15	31261148	31261373	31.26	5.00E-62	RYR3
CL350585	RP44_311O3	T7	15	31380379	31380476	31.38	4.00E-11	RYR3
CL320761	CH242_13K21	T7	15	31432593	31432665	31.43	1.00E-10	RYR3
CL388773	RP44_285O10	T7	15	31489038	31489403	31.49	1.00E-16	RYR3
CL362419	RP44_377O16	T7	15	31569916	31570137	31.57	1.00E-19	RYR3
CL327903	RP44_246P23	SP6	15	31716303	31716403	31.72	2.00E-20	RYR3
CL331329	CH242_7O10	SP6	15	31756076	31756174	31.76	1.00E-09	AVEN
CL363247	RP44_383M18	SP6	15	31917148	31917199	31.92	6.00E-09	CHRM5
CL345683	RP44_280N23	T7	15	31989920	31990047	31.99	7.00E-15	NA
CL367546	RP44_367D13	SP6	15	32693274	32693355	32.69	1.00E-06	NA
CL324283	RP44_474I16	T7	15	32695133	32695244	32.70	8.00E-14	NA
CL326113	RP44_243A5	T7	15	32785065	32785425	32.79	4.00E-83	AQR
CL339592	RP44_255P10	T7	15	32791636	32791788	32.79	3.00E-51	AQR
CL360657	RP44_340N12	T7	15	32805845	32805991	32.81	2.00E-40	AQR
CL385979	RP44_332N3	SP6	15	32819471	32819726	32.82	2.00E-48	AQR
CL324284	RP44_474I16	SP6	15	32875179	32875484	32.88	3.00E-69	NA
CL343243	RP44_276B5	T7	15	32899795	32900286	32.90	0	NA
CL326188	RP44_243A5	SP6	15	32900757	32901284	32.90	2.00E-76	NA
CL341447	RP44_260N21	SP6	15	32900868	32901284	32.90	5.00E-46	NA
CL383046	RP44_325L9	T7	15	32961117	32961633	32.96	3.00E-20	NA
CL360726	RP44_340N12	SP6	15	32984635	32984669	32.98	2.00E-07	NA
CL343322	RP44_276B5	SP6	15	33057503	33057607	33.06	7.00E-09	NA
CL370242	RP44_295C13	T7	15	33081046	33081540	33.08	4.00E-59	LOC341996
CL385814	RP44_332I16	SP6	15	33164174	33164748	33.16	0	NA
CL383513	RP44_326H20	T7	15	33195178	33195257	33.20	1.00E-09	NA
CL348526	RP44_274F10	SP6	15	33393098	33393764	33.39	0	MGC14798
CL383895	RP44_327K20	SP6	15	33489536	33490077	33.49	e-111	NA
CL357699	RP44_413J15	T7	15	33489854	33490311	33.49	0	NA
CL356684	RP44_411H20	SP6	15	33581080	33581637	33.58	0	NA
CL374281	RP44_469J24	SP6	15	33594801	33594939	33.59	1.00E-16	LOC341998

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL355607	RP44_410C3	T7	15	33614837	33615086	33.61	2.00E-21	LOC341998
CL337543	RP44_264F22	T7	15	33631897	33632506	33.63	1.00E-50	NA
CL381865	RP44_323I21	T7	15	33681621	33682150	33.68	2.00E-51	NA
CL337616	RP44_264F22	SP6	15	33775892	33776362	33.78	2.00E-89	LOC342000
CL338013	RP44_265F7	T7	15	33811460	33811636	33.81	6.00E-09	NA
CL334278	RP44_251E18	T7	15	33865599	33866153	33.87	1.00E-41	LOC350132
CL324007	RP44_463B23	T7	15	33980542	33980679	33.98	1.00E-06	LOC342001
CL408846	RP44_416K21	T7	15	34074595	48393923	41.23	3.00E-06	NA
CL409695	RP44_417J2	T7	15	34127580	34127910	34.13	5.00E-18	NA
CL340085	RP44_256H22	SP6	15	34236883	34236936	34.24	2.00E-06	NA
CL353495	RP44_403K19	SP6	15	34385734	34386154	34.39	e-152	NA
CL340009	RP44_256H22	T7	15	34387452	34387502	34.39	1.00E-07	NA
CL362638	RP44_380M11	SP6	15	34545383	34545723	34.55	e-168	HH114
CL413869	RP44_435M8	T7	15	34546552	34546792	34.55	2.00E-44	HH114
CL345022	RP44_279L5	T7	15	34547058	34547432	34.55	3.00E-38	HH114
CL353443	RP44_403K19	T7	15	34608591	34608647	34.61	2.00E-08	HH114
CL408960	RP44_416F9	SP6	15	34709616	34709668	34.71	5.00E-06	NA
CL389356	RP44_286L21	T7	15	34709616	34709668	34.71	5.00E-06	NA
CL409039	RP44_416F9	T7	15	34857023	34857249	34.86	3.00E-38	MEIS2
CL389436	RP44_286L21	SP6	15	34895537	34895875	34.90	1.00E-28	MEIS2
CL414281	RP44_436I20	SP6	15	34942380	34942626	34.94	9.00E-32	MEIS2
CL323252	RP44_457L24	SP6	15	35142793	35143024	35.14	8.00E-40	NA
CL412235	RP44_430B6	T7	15	35219730	35220321	35.22	8.00E-61	NA
CL379995	RP44_428D1	T7	15	35248538	35248808	35.25	e-107	LOC342002
CL360892	RP44_343K11	T7	15	35292857	35293362	35.29	e-104	NA
CL346063	RP44_269P17	T7	15	35330875	35330908	35.33	1.00E-06	NA
CL351319	RP44_312I4	T7	15	35443078	35443167	35.44	2.00E-06	NA
CL383143	RP44_325N13	SP6	15	35464397	35465006	35.46	1.00E-31	NA
CL326062	RP44_242H4	SP6	15	35485763	35485992	35.49	2.00E-09	NA
CL360958	RP44_343K11	SP6	15	35507232	35507764	35.51	e-100	NA
CL440197	RP44_299P4	SP6	15	35507892	35508170	35.51	9.00E-08	NA
CL383056	RP44_325N13	T7	15	35658386	35658649	35.66	4.00E-13	NA
CL357322	RP44_412P12	SP6	15	35746818	35747308	35.75	e-152	NA
CL343091	RP44_276C22	T7	15	35883966	35884006	35.88	2.00E-08	NA
CL348336	RP44_274N11	T7	15	36039765	36040152	36.04	6.00E-68	NA
CL375849	RP44_441M9	T7	15	36575416	36575464	36.58	6.00E-06	NA
CL361955	RP44_353G15	SP6	15	36613942	36613998	36.61	1.00E-10	NA
CL342629	RP44_262N15	T7	15	36760036	36760558	36.76	7.00E-67	LOC350136
CL361885	RP44_353G15	T7	15	36791195	36791726	36.79	3.00E-20	LOC350136
CL337612	RP44_264F14	SP6	15	36863738	36864150	36.86	1.00E-10	LOC350136
CL337478	RP44_264J5	SP6	15	36911012	36911104	36.91	1.00E-10	NA
CL324246	RP44_474G2	T7	15	36953709	36953743	36.95	3.00E-07	LOC350137
CL358174	RP44_414K22	T7	15	36979358	36979413	36.98	4.00E-10	LOC342007
CL342711	RP44_262N15	SP6	15	37019738	37019814	37.02	1.00E-10	LOC342007
CL324247	RP44_474G2	SP6	15	37083414	37083526	37.08	4.00E-13	LOC350138
CL337404	RP44_264J5	T7	15	37083414	37083526	37.08	4.00E-13	LOC350138
CL367651	RP44_372I17	T7	15	37083414	37083526	37.08	3.00E-13	LOC350138
CL351690	RP44_313K2	T7	15	37451063	37451581	37.45	4.00E-56	NA
CL332474	CH242_12A7	T7	15	37495994	37496213	37.50	1.00E-13	FLJ35989
CL355921	RP44_410J21	T7	15	37538172	37538260	37.54	3.00E-14	FLJ35989
CL358800	RP44_415K4	T7	15	37610160	37610327	37.61	8.00E-11	FLJ35989
CL348536	RP44_274H10	SP6	15	37844237	37844374	37.84	3.00E-35	EIF2AK4
CL340479	RP44_257L21	T7	15	38212028	38212100	38.21	5.00E-11	NA
CL328673	RP44_370F24	SP6	15	38212288	38212714	38.21	2.00E-30	NA
CL361762	RP44_351N19	T7	15	38256449	38256525	38.26	1.00E-10	FLJ14502
CL328672	RP44_370F24	T7	15	38364941	38365239	38.37	2.00E-48	LOC342015
CL362662	RP44_380D3	T7	15	38439954	38439994	38.44	6.00E-06	NA
CL356572	RP44_411L19	SP6	15	38456009	38456182	38.46	5.00E-22	NA
CL335765	RP44_254O7	T7	15	38788834	38788927	38.79	3.00E-09	LOC350139
CL357021	RP44_412B15	T7	15	38905691	38905878	38.91	3.00E-13	KIAA1259
CL335837	RP44_254O7	SP6	15	38976216	38976435	38.98	1.00E-10	KIAA1259
CL354882	RP44_408H21	T7	15	38976216	38976435	38.98	1.00E-10	KIAA1259
CL321795	CH242_13P19	T7	15	39067151	39067394	39.07	9.00E-36	MGC33637
CL357105	RP44_412B15	SP6	15	39123923	39124204	39.12	3.00E-10	CHP
CL371476	RP44_302J14	T7	15	39347742	39348030	39.35	3.00E-41	KIAA0252

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CL326369	RP44_243I6	SP6	15	39375764	39375957	39.38	9.00E-16	LTK
CL384843	RP44_329P5	SP6	15	39470593	39470865	39.47	9.00E-20	LOC342018
CL379402	RP44_426D23	SP6	15	39478475	39478656	39.48	7.00E-39	LOC342018
CL326304	RP44_243I6	T7	15	39540475	39540808	39.54	e-152	NA
CL367480	RP44_367F23	T7	15	39651043	39651241	39.65	5.00E-19	MAPKBP1
CL386603	RP44_334J7	T7	15	39717999	39718173	39.72	4.00E-43	PLA2G4B
CL338897	RP44_267G24	SP6	15	39728183	39728696	39.73	3.00E-44	SPTBN5
CL341406	RP44_260F23	SP6	15	40211011	40211286	40.21	4.00E-71	CAPN3
CL383417	RP44_326A22	SP6	15	40274071	40274433	40.27	e-103	CAPN3
CL378725	RP44_425A19	T7	15	40371541	40372125	40.37	1.00E-16	SNAP23
CL378805	RP44_425A19	SP6	15	40557633	40558260	40.56	4.00E-47	NA
CL371447	RP44_302B6	T7	15	40617627	40617678	40.62	6.00E-08	TTBK
CL336742	RP44_263B15	T7	15	40785901	40786256	40.79	6.00E-06	TTBK
CL360591	RP44_339P3	SP6	15	40896363	40896769	40.90	5.00E-21	UBR1
CL409338	RP44_417G15	SP6	15	40901703	40902113	40.90	4.00E-53	UBR1
CL379549	RP44_426P22	T7	15	41173521	41173623	41.17	6.00E-14	LOC342021
CL386702	RP44_334P13	SP6	15	41195423	41195486	41.20	4.00E-22	LOC342021
CL379637	RP44_426P22	SP6	15	41305259	41305386	41.31	1.00E-10	TP53BP1
CL334534	RP44_251L13	SP6	15	41350019	41350240	41.35	2.00E-18	TP53BP1
CL378717	RP44_425A3	T7	15	41743937	41744238	41.74	e-108	NA
CL321663	CH242_13G4	SP6	15	41755026	41755091	41.76	3.00E-23	MGC14161
CL390058	RP44_287P2	SP6	15	41813044	41813329	41.81	1.00E-12	MGC14161
CL385875	RP44_332H3	T7	15	41932539	41932749	41.93	8.00E-20	MGC14161
CL354420	RP44_406J23	SP6	15	41973870	41973931	41.97	1.00E-06	MGC14161
CL389984	RP44_287P2	T7	15	41983491	41983673	41.98	6.00E-06	MGC14161
CL386271	RP44_333M22	SP6	15	42121873	42122405	42.12	6.00E-25	LOC342022
CL336333	RP44_263K23	T7	15	42277860	42278174	42.28	2.00E-12	H63
CL410910	RP44_420M15	T7	15	42413242	42413294	42.41	1.00E-10	EIF3S1
CL356011	RP44_410L9	SP6	15	42459415	42459476	42.46	1.00E-10	FLJ21439
CL381484	RP44_315H16	SP6	15	42522793	42523256	42.52	e-105	FLJ21439
CL387824	RP44_283K3	T7	15	42649807	42650113	42.65	4.00E-13	NA
CL328540	RP44_248D12	T7	15	42785611	42850447	42.82	5.00E-16	MGC33951
CL411516	RP44_422G16	T7	15	42969804	42970735	42.97	1.00E-09	DUOX2
CL328617	RP44_248D12	SP6	15	43024700	43024806	43.02	5.00E-31	DUOX1
CL338724	RP44_267C3	SP6	15	43144730	43144789	43.14	1.00E-10	SLC28A2
CL411595	RP44_422G16	SP6	15	43147958	43148188	43.15	6.00E-21	NA
CL364411	RP44_396H11	T7	15	43260572	43260698	43.26	1.00E-12	NA
CL324663	RP44_476G24	T7	15	43261893	43261965	43.26	4.00E-13	NA
CL354482	RP44_407I14	T7	15	43675978	43676590	43.68	7.00E-18	LOC145660
CL352861	RP44_401J22	SP6	15	43714976	43715861	43.72	6.00E-65	LOC145660
CL320841	CH242_13H9	SP6	15	43798575	43798608	43.80	1.00E-06	LOC145660
CL340778	RP44_258N23	T7	15	43991317	43991506	43.99	6.00E-09	NA
CL373146	RP44_307L5	SP6	15	44136804	44137189	44.14	1.00E-47	NA
CL340715	RP44_258B23	T7	15	44150982	44151055	44.15	2.00E-06	NA
CL365246	RP44_400D4	SP6	15	44190571	44190687	44.19	9.00E-11	LOC348085
CL372169	RP44_305G3	SP6	15	44558142	44558296	44.56	9.00E-28	NA
CL337212	RP44_264O15	SP6	15	44573326	44573403	44.57	1.00E-13	NA
CL366831	RP44_362F8	SP6	15	44729743	44729876	44.73	6.00E-20	NA
CL412568	RP44_431C8	T7	15	44738032	44738426	44.74	7.00E-15	NA
CL359116	RP44_335F6	T7	15	44816724	44816969	44.82	2.00E-21	NA
CL337950	RP44_265I6	SP6	15	45087413	45087526	45.09	3.00E-11	NA
CL327660	RP44_246I14	T7	15	45256879	45257266	45.26	9.00E-39	LOC342026
CL364156	RP44_396A19	SP6	15	45348730	45348869	45.35	2.00E-17	LOC342026
CL321424	CH242_20O1	T7	15	45356668	45356971	45.36	9.00E-22	NA
CL351047	RP44_311N16	T7	15	45387646	45387893	45.39	1.00E-34	LOC350146
CL351130	RP44_311N16	SP6	15	45545536	45546183	45.55	2.00E-30	LOC350147
CL336909	RP44_263F2	T7	15	45607584	45608148	45.61	4.00E-10	SEMA6D
CL327690	RP44_246O16	T7	15	45632216	45632778	45.63	3.00E-54	SEMA6D
CL377633	RP44_457E11	SP6	15	45640923	45641301	45.64	1.00E-27	SEMA6D
CL377552	RP44_457E11	T7	15	45794965	45795098	45.80	4.00E-26	LOC342030
CL371403	RP44_302H19	SP6	15	46101389	46101551	46.10	4.00E-19	SLC12A1
CL345753	RP44_280L7	SP6	15	46139983	46140094	46.14	3.00E-29	SLC12A1
CL347027	RP44_271F20	SP6	15	46320464	46320862	46.32	4.00E-06	FBN1
CL352397	RP44_401E3	SP6	15	46462146	46462455	46.46	3.00E-32	FBN1
CL352439	RP44_401O9	SP6	15	46462146	46462455	46.46	3.00E-32	FBN1

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CL353706	RP44_403P23	T7	15	46506487	46506629	46.51	6.00E-34	FBN1
CL412360	RP44_430J6	SP6	15	46609582	46609891	46.61	2.00E-39	NA
CL353774	RP44_403P23	SP6	15	46636785	46637483	46.64	2.00E-18	KIAA0912
CL339493	RP44_268P12	SP6	15	46743133	46743493	46.74	8.00E-30	NA
CL323341	RP44_458G13	SP6	15	46744156	46744239	46.74	9.00E-11	NA
CL340507	RP44_257F1	SP6	15	46804333	46804378	46.80	1.00E-06	NA
CL338497	RP44_266G2	T7	15	47039511	47039575	47.04	6.00E-18	GALK2
CL344439	RP44_278D23	SP6	15	47236930	48602339	47.92	9.00E-14	SPPL2A
CL325923	RP44_242B9	T7	15	47771708	47772076	47.77	e-119	KIAA1939
CL330876	CH242_6C11	T7	15	47883410	47883533	47.88	4.00E-22	KIAA1939
CL353616	RP44_403I16	SP6	15	48093473	48093564	48.09	1.00E-09	SLC27A2
CL354207	RP44_405B22	SP6	15	48459529	48459590	48.46	7.00E-07	TRPM7
CL409874	RP44_418A3	T7	15	48655514	48655633	48.66	4.00E-11	LOC342032
CL413884	RP44_435A6	SP6	15	48699202	48700130	48.70	1.00E-19	LOC342032
CL344355	RP44_278D23	T7	15	48807055	48807278	48.81	1.00E-19	AP4E1
CL371942	RP44_304H24	T7	15	49100816	49100894	49.10	3.00E-07	CYP19A1
CL371625	RP44_304I24	T7	15	49100816	49100894	49.10	2.00E-07	CYP19A1
CL336475	RP44_262N4	T7	15	49193857	49194312	49.19	2.00E-24	CYP19A1
CL385937	RP44_332D11	SP6	15	49212841	49213246	49.21	2.00E-42	LOC342035
CL336484	RP44_263O21	T7	15	49347426	49347474	49.35	6.00E-06	RC3
CL335421	RP44_253B21	T7	15	49388818	49388888	49.39	1.00E-09	RC3
CL379932	RP44_428G10	SP6	15	49500721	49501083	49.50	3.00E-23	NA
CL336571	RP44_263O21	SP6	15	49551326	49551403	49.55	3.00E-11	NA
CL353471	RP44_403E17	SP6	15	49797071	49824596	49.81	1.00E-25	LOC123169
CL353483	RP44_403I3	SP6	15	49797071	49824596	49.81	1.00E-25	LOC123169
CL383215	RP44_325L8	T7	15	50223001	50223314	50.22	4.00E-10	MYO5A
CL380597	RP44_429C8	SP6	15	50257225	50258346	50.26	1.00E-16	MYO5A
CL383300	RP44_325L8	SP6	15	50372153	50372242	50.37	3.00E-11	MYO5A
CL341375	RP44_260P21	T7	15	50480777	50481466	50.48	e-126	FLJ10980
CL341479	RP44_260F14	T7	15	50948290	50948582	50.95	8.00E-14	NA
CL374983	RP44_471A21	T7	15	50949737	50949810	50.95	2.00E-11	NA
CL328514	RP44_248P1	SP6	15	51045704	51045861	51.05	4.00E-07	NA
CL341559	RP44_260F14	SP6	15	51106357	51106943	51.11	2.00E-43	NA
CL335643	RP44_253D14	SP6	15	51128359	51128434	51.13	3.00E-10	NA
CL357304	RP44_412L8	SP6	15	51128964	51129074	51.13	2.00E-10	NA
CL328438	RP44_248P1	T7	15	51216094	51216297	51.22	5.00E-25	LOC350151
CL357229	RP44_412L8	T7	15	51264964	51265150	51.27	5.00E-24	LOC350151
CL362247	RP44_375L10	T7	15	51396455	51396753	51.40	2.00E-15	LOC342043
CL322738	RP44_416O16	T7	15	51536864	51537113	51.54	1.00E-49	NA
CL372038	RP44_304L6	SP6	15	51576716	51577440	51.58	3.00E-72	NA
CL365130	RP44_400N1	T7	15	51592736	51593231	51.59	1.00E-19	LOC256764
CL325550	RP44_241B12	T7	15	51884183	51884437	51.88	9.00E-37	LOC350152
CL369329	RP44_290O4	SP6	15	51969039	51969112	51.97	3.00E-11	LOC350153
CL385090	RP44_330K5	SP6	15	52020173	52020909	52.02	2.00E-09	NA
CL321787	CH242_13N23	T7	15	52084134	52084444	52.08	8.00E-12	NA
CL333350	RP44_249K14	SP6	15	52373888	52373981	52.37	2.00E-11	DKFZp547H074
CL321847	CH242_15I7	T7	15	52567232	52567280	52.57	6.00E-06	NA
CL351124	RP44_311L24	SP6	15	52690355	52690755	52.69	3.00E-11	NA
CL388105	RP44_284G12	T7	15	52708526	52708638	52.71	9.00E-08	NA
CL379414	RP44_426H3	SP6	15	53001025	53001077	53.00	4.00E-06	LOC342045
CL387647	RP44_282E7	T7	15	53060622	53060749	53.06	2.00E-17	C15orf15
CL387695	RP44_282O19	T7	15	53060622	53060749	53.06	3.00E-17	C15orf15
CL388985	RP44_285P10	SP6	15	53108763	53109153	53.11	2.00E-23	RAB27A
CL379333	RP44_426H3	T7	15	53238144	53238278	53.24	3.00E-07	CPR8
CL440069	RP44_299B18	T7	15	53301808	53302151	53.30	2.00E-48	EKN1
CL323183	RP44_457P1	SP6	15	53539809	53540252	53.54	3.00E-14	FLJ25756
CL410349	RP44_419G1	T7	15	53573822	53574100	53.57	7.00E-17	NA
CL334356	RP44_251E20	SP6	15	53609051	53609317	53.61	6.00E-28	NA
CL352678	RP44_401H1	SP6	15	54097926	54098046	54.10	1.00E-15	NA
CL413363	RP44_433A6	T7	15	54263446	54263956	54.26	2.00E-09	LOC256922
CL351003	RP44_311F8	T7	15	54264887	54264922	54.26	9.00E-08	LOC256922
CL329530	RP44_394D5	T7	15	55168152	55168367	55.17	1.00E-48	NA
CL387269	RP44_281K3	SP6	15	55192330	55192391	55.19	6.00E-09	NA
CL337704	RP44_265G17	T7	15	55221762	55222290	55.22	1.00E-34	NA
CL367368	RP44_367O18	T7	15	55274026	55274122	55.27	4.00E-07	LOC283664

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL325311	RP44_241K5	T7	15	55274401	55274845	55.27	2.00E-51	LOC283664
CL340591	RP44_257H20	T7	15	55274597	55274845	55.27	3.00E-12	LOC283664
CL326999	RP44_244D4	SP6	15	55275014	55275090	55.28	1.00E-15	LOC283664
CL367446	RP44_367O18	SP6	15	55466551	55467218	55.47	4.00E-47	FLJ30973
CL343903	RP44_277H3	T7	15	55694964	55695117	55.70	8.00E-11	NA
CL378614	RP44_424F16	T7	15	55695603	55695866	55.70	8.00E-89	NA
CL365190	RP44_400H19	SP6	15	56303403	56303883	56.30	4.00E-13	LIPC
CL413967	RP44_435F15	T7	15	56967400	56967692	56.97	e-116	ARK
CL385883	RP44_332H23	T7	15	57071069	57071148	57.07	7.00E-13	MYO1E
CL321589	CH242_13G22	T7	15	57178820	57180763	57.18	6.00E-06	MYO1E
CL389637	RP44_287E23	T7	15	57392745	57392948	57.39	2.00E-39	MGC26690
CL347074	RP44_271P18	SP6	15	57571855	57572570	57.57	1.00E-16	NA
CL341636	RP44_261C21	T7	15	57571855	57572570	57.57	1.00E-16	NA
CL355993	RP44_410H17	SP6	15	57780917	57781279	57.78	3.00E-35	LOC342052
CL368022	RP44_375I15	T7	15	57797027	57797269	57.80	e-100	LOC342052
CL356625	RP44_411J16	T7	15	57804483	57804824	57.80	7.00E-33	LOC342052
CL382141	RP44_323D9	T7	15	57806042	57806343	57.81	1.00E-10	LOC342052
CL333957	RP44_250D22	T7	15	57991828	57992054	57.99	1.00E-68	NA
CL413383	RP44_433C22	T7	15	58019553	58019594	58.02	2.00E-06	LOC350158
CL413415	RP44_433I22	T7	15	58019553	58019594	58.02	2.00E-06	LOC350158
CL413471	RP44_433C22	SP6	15	58162680	58163122	58.16	e-133	LOC350159
CL413501	RP44_433I22	SP6	15	58162684	58163122	58.16	e-131	LOC350159
CL362946	RP44_383A11	T7	15	58477860	58477988	58.48	5.00E-18	RORA
CL363033	RP44_383A11	SP6	15	58640498	58640870	58.64	3.00E-34	NA
CL362002	RP44_353D13	T7	15	58646165	58646588	58.65	6.00E-70	LOC342055
CL356302	RP44_411G13	SP6	15	58726497	58726701	58.73	4.00E-47	NA
CL410853	RP44_420C7	T7	15	58728612	58729145	58.73	3.00E-20	LOC342056
CL376788	RP44_445P23	T7	15	58779431	58779743	58.78	1.00E-34	LOC342057
CL321298	CH242_15P11	T7	15	58922804	58923097	58.92	9.00E-39	NA
CL321299	CH242_15P11	SP6	15	59066483	59066683	59.07	2.00E-24	LOC342061
CL322504	RP44_405D23	SP6	15	59137109	59137179	59.14	3.00E-07	NA
CL339975	RP44_256P23	SP6	15	59153721	59153816	59.15	2.00E-08	NA
CL369801	RP44_292E10	T7	15	59170412	59170676	59.17	7.00E-60	LOC342063
CL339906	RP44_256P23	T7	15	59367057	59367358	59.37	9.00E-08	LOC350164
CL363589	RP44_388N14	T7	15	59367451	59367666	59.37	2.00E-33	LOC350164
CL357956	RP44_413L16	SP6	15	59391032	59391395	59.39	4.00E-31	LOC350164
CL377943	RP44_422N15	SP6	15	59391032	59391395	59.39	4.00E-31	LOC350164
CL357788	RP44_413L15	SP6	15	59391175	59391388	59.39	1.00E-29	LOC350164
CL410116	RP44_418F5	T7	15	59430721	59430758	59.43	2.00E-06	NA
CL357460	RP44_413K5	SP6	15	59443743	59444080	59.44	2.00E-60	NA
CL342855	RP44_275H20	SP6	15	59512446	59512944	59.51	4.00E-38	NA
CL413071	RP44_432E3	T7	15	59792435	59792532	59.79	2.00E-15	LOC348091
CL324942	RP44_478H12	T7	15	59792435	59792532	59.79	1.00E-15	LOC348091
CL376490	RP44_444H10	T7	15	59797863	59797944	59.80	8.00E-10	NA
CL383465	RP44_326M2	SP6	15	59878342	59878837	59.88	4.00E-78	KIAA1421
CL327992	RP44_246B24	SP6	15	60019306	60019415	60.02	7.00E-14	NA
CL383392	RP44_326M2	T7	15	60020229	60020388	60.02	4.00E-16	NA
CL349038	RP44_275J3	SP6	15	60513288	60513549	60.51	1.00E-07	MGC15885
CL329747	RP44_394J22	SP6	15	60613701	60613789	60.61	5.00E-21	TLN2
CL364225	RP44_396O5	SP6	15	60665086	60665156	60.67	1.00E-09	TLN2
CL372433	RP44_305L24	T7	15	60905668	60905960	60.91	9.00E-30	NA
CL365847	RP44_356C7	SP6	15	60941129	60941565	60.94	4.00E-19	TPM1
CL326305	RP44_243I10	T7	15	61085805	61086021	61.09	2.00E-07	LOC51762
CL365788	RP44_356C7	T7	15	61089382	61089692	61.09	2.00E-26	LOC51762
CL326371	RP44_243I10	SP6	15	61250666	61250737	61.25	2.00E-10	CA12
CL333115	RP44_248F20	SP6	15	61309317	61309395	61.31	3.00E-07	NA
CL356924	RP44_412K8	T7	15	61394826	61395049	61.39	1.00E-09	USP3
CL353177	RP44_402M14	SP6	15	61440994	61441611	61.44	8.00E-24	USP3
CL323035	RP44_455F16	T7	15	61441854	61442213	61.44	2.00E-17	USP3
CL390157	RP44_288A9	SP6	15	61459423	61459523	61.46	4.00E-34	USP3
CL363038	RP44_383C5	SP6	15	61494436	61494612	61.49	1.00E-16	HERC1
CL332693	CH242_12I8	T7	15	61515887	61516255	61.52	3.00E-48	HERC1
CL342480	RP44_262A14	SP6	15	61517473	61519365	61.52	8.00E-64	HERC1
CL413238	RP44_432J2	T7	15	61576663	61576734	61.58	7.00E-12	HERC1
CL336051	RP44_255M21	T7	15	61594930	61595014	61.59	9.00E-23	HERC1

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CL383737	RP44_327K5	SP6	15	61620120	61620170	61.62	4.00E-07	HERC1
CL413275	RP44_432P10	T7	15	61987439	65969757	63.98	1.00E-07	PIAS1
CL351126	RP44_311N4	SP6	15	62460437	62460485	62.46	1.00E-10	KIAA0295
CL413925	RP44_435I24	SP6	15	62718410	62718616	62.72	3.00E-31	PP1628
CL332202	CH242_10M10	T7	15	62730990	62731102	62.73	2.00E-39	PP1628
CL376853	RP44_445L23	SP6	15	63027061	63027521	63.03	4.00E-41	CLPX
CL358432	RP44_414B24	T7	15	63033181	63033229	63.03	2.00E-06	CLPX
CL352142	RP44_314C5	T7	15	63137791	63138127	63.14	3.00E-97	FLJ20509
CL385672	RP44_332I15	SP6	15	63483424	63483716	63.48	7.00E-14	SLC24A1
CL358286	RP44_414D11	T7	15	63502272	63502599	63.50	1.00E-28	SLC24A1
CL409163	RP44_416B4	SP6	15	63762376	63762535	63.76	3.00E-22	NA
CL322690	RP44_416I22	SP6	15	63795078	63795166	63.80	6.00E-18	MEGF11
CL388439	RP44_284J10	T7	15	63901031	63901286	63.90	6.00E-46	MEGF11
CL378128	RP44_423M8	T7	15	64063314	65441410	64.75	5.00E-31	MAP2K5
CL325481	RP44_241D11	SP6	15	64085858	64085936	64.09	4.00E-07	MEGF11
CL387005	RP44_335E22	T7	15	64085858	64085936	64.09	2.00E-07	MEGF11
CL340154	RP44_257G13	T7	15	64189907	64190803	64.19	1.00E-96	MGC4562
CL326606	RP44_243N6	SP6	15	64308954	64308994	64.31	4.00E-06	MAP2K1
CL340230	RP44_257G13	SP6	15	64391992	64392446	64.39	1.00E-46	FLJ10036
CL344342	RP44_278B21	T7	15	64417203	64417376	64.42	5.00E-09	FLJ10036
CL333167	RP44_249M15	T7	15	64445091	64445489	64.45	9.00E-17	FLJ10036
CL368512	RP44_289O21	SP6	15	64721064	64721599	64.72	2.00E-46	NA
CL329526	RP44_394B23	T7	15	64721306	64721491	64.72	3.00E-31	NA
CL379431	RP44_426J21	SP6	15	64721306	64721599	64.72	2.00E-51	NA
CL330606	CH242_4J11	T7	15	64835767	64835846	64.84	2.00E-17	NA
CL368427	RP44_289O21	T7	15	64895734	64896011	64.90	7.00E-89	LOC350169
CL379351	RP44_426J21	T7	15	64897001	64897344	64.90	2.00E-15	LOC350169
CL354242	RP44_405L24	SP6	15	64897036	64897344	64.90	2.00E-08	LOC350169
CL349899	RP44_310C23	T7	15	64953583	64953779	64.95	4.00E-19	MADH3
CL357985	RP44_414A7	T7	15	64955787	64955860	64.96	7.00E-14	MADH3
CL358274	RP44_414B7	T7	15	64955787	64955860	64.96	1.00E-13	MADH3
CL377759	RP44_457M20	T7	15	64956019	64956387	64.96	3.00E-78	MADH3
CL379775	RP44_428I19	SP6	15	65041808	65041858	65.04	8.00E-12	MADH3
CL335936	RP44_254D24	SP6	15	65114094	65114580	65.11	4.00E-19	FLJ11506
CL377845	RP44_457M20	SP6	15	65120682	65120718	65.12	4.00E-06	FLJ11506
CL362383	RP44_377I10	T7	15	65181563	65181680	65.18	4.00E-10	FLJ12476
CL385313	RP44_330L13	T7	15	65226930	65227068	65.23	2.00E-12	FLJ12476
CL322861	RP44_437M11	SP6	15	65279831	65280332	65.28	2.00E-58	FLJ12476
CL362464	RP44_377I10	SP6	15	65338924	65339554	65.34	2.00E-40	FLJ12476
CL369433	RP44_291M11	SP6	15	65382509	65382575	65.38	1.00E-09	NA
CL385381	RP44_330L13	SP6	15	65392652	65392841	65.39	5.00E-74	LOC145853
CL388111	RP44_284G24	T7	15	65437991	65438205	65.44	9.00E-68	MAP2K5
CL338684	RP44_267K1	T7	15	65449430	65449765	65.45	2.00E-06	MAP2K5
CL369815	RP44_292G18	T7	15	65490824	65490892	65.49	1.00E-10	MAP2K5
CL349078	RP44_275B2	T7	15	65532577	65533125	65.53	2.00E-61	MAP2K5
CL369378	RP44_291M11	T7	15	65550552	65550891	65.55	4.00E-22	MAP2K5
CL320491	CH242_10B24	T7	15	65602229	65602565	65.60	2.00E-15	MAP2K5
CL338763	RP44_267K1	SP6	15	65614619	65614983	65.61	3.00E-10	MAP2K5
CL378190	RP44_423M8	SP6	15	65614731	65614983	65.61	3.00E-10	MAP2K5
CL339830	RP44_256B9	T7	15	65631186	65631666	65.63	3.00E-94	MAP2K5
CL369742	RP44_292G18	SP6	15	65665440	65665652	65.67	2.00E-58	MAP2K5
CL349809	RP44_309B22	SP6	15	66297049	66297253	66.30	1.00E-48	ITGA11
CL338196	RP44_265J10	T7	15	66300855	66301365	66.30	2.00E-23	ITGA11
CL338276	RP44_265J10	SP6	15	66470555	66470829	66.47	3.00E-13	CORO2B
CL380161	RP44_428D10	T7	15	67103348	67103415	67.10	9.00E-08	NA
CL360810	RP44_341H2	SP6	15	67592726	67592870	67.59	1.00E-46	LOC342086
CL409676	RP44_417F2	T7	15	67697627	67697924	67.70	2.00E-63	NA
CL371307	RP44_302F3	T7	15	67706351	67706530	67.71	7.00E-17	LOC145836
CL344828	RP44_279C16	T7	15	67752009	67752111	67.75	3.00E-32	LOC350170
CL334461	RP44_251L17	T7	15	67915015	67915045	67.92	2.00E-07	NA
CL346375	RP44_270F7	SP6	15	68294588	68294958	68.29	e-134	LOC283674
CL373936	RP44_469E24	SP6	15	68637084	68637197	68.64	3.00E-07	NA
CL364326	RP44_396C16	SP6	15	68832031	68832090	68.83	2.00E-12	FLJ20156
CL352087	RP44_313H14	SP6	15	69197279	69197530	69.20	1.00E-53	NA
CL333552	RP44_250I7	T7	15	69203872	69204251	69.20	5.00E-77	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL323926	RP44_463M3	T7	15	69362567	69362754	69.36	4.00E-06	LOC342089
CL352002	RP44_313H14	T7	15	69369975	69370741	69.37	e-112	LOC342089
CL333619	RP44_250I7	SP6	15	69380712	69381058	69.38	3.00E-84	LOC342089
CL379562	RP44_426D4	SP6	15	69441780	69442110	69.44	e-117	LOC342090
CL342038	RP44_261H3	SP6	15	69480793	69481032	69.48	5.00E-43	NA
CL386960	RP44_335M7	SP6	15	69557041	75182034	72.37	2.00E-12	FLJ13710
CL341970	RP44_261H3	T7	15	69673352	69673472	69.67	1.00E-07	NR2E3
CL408812	RP44_416E7	T7	15	69745156	69745511	69.75	3.00E-10	MYO9A
CL387506	RP44_281J21	T7	15	69759320	69759884	69.76	5.00E-47	MYO9A
CL364593	RP44_396F22	SP6	15	69803662	69803868	69.80	4.00E-31	MYO9A
CL411113	RP44_420I18	SP6	15	69988674	69988775	69.99	5.00E-08	SEN8
CL366868	RP44_362L22	SP6	15	70390834	70390894	70.39	8.00E-08	ARIH1
CL386813	RP44_334N24	SP6	15	70395148	70395196	70.40	3.00E-13	ARIH1
CL340155	RP44_257G15	T7	15	70944247	70944593	70.94	2.00E-14	NEO1
CL340231	RP44_257G15	SP6	15	71117889	71118368	71.12	3.00E-44	NEO1
CL346447	RP44_270D2	T7	15	71183211	71183612	71.18	4.00E-10	NA
CL348625	RP44_275I15	T7	15	71288508	71288567	71.29	9.00E-08	NA
CL379648	RP44_428A21	T7	15	71644341	71644410	71.64	7.00E-09	NA
CL379669	RP44_428E23	T7	15	71644341	71644410	71.64	6.00E-09	NA
CL322266	RP44_404E22	T7	15	71712309	71712346	71.71	1.00E-06	LOC350175
CL364021	RP44_393G18	SP6	15	71729439	71730127	71.73	1.00E-46	NA
CL345578	RP44_280I6	SP6	15	71858596	71859119	71.86	3.00E-45	STOML1
CL413535	RP44_433O22	SP6	15	72063562	72063856	72.06	4.00E-35	FLJ12541
CL365333	RP44_400F12	T7	15	72127623	72127802	72.13	1.00E-28	LOC342097
CL345463	RP44_280A24	T7	15	72138125	72138324	72.14	4.00E-12	LOC342097
CL345496	RP44_280I6	T7	15	72138125	72138348	72.14	3.00E-13	LOC342097
CL361704	RP44_351B19	T7	15	72289854	72290078	72.29	4.00E-71	SEMA7A
CL413447	RP44_433O22	T7	15	72289854	72290078	72.29	6.00E-71	SEMA7A
CL351294	RP44_312O13	SP6	15	72686975	72687106	72.69	9.00E-32	FLJ13993
CL351224	RP44_312O13	T7	15	72833355	72833876	72.83	2.00E-27	NA
CL365259	RP44_400F6	SP6	15	73702035	73702346	73.70	1.00E-40	NA
CL365014	RP44_400E6	SP6	15	73702045	73702346	73.70	6.00E-42	NA
CL411708	RP44_429H21	SP6	15	73955436	73955556	73.96	2.00E-08	FLJ38190
CL342226	RP44_261P2	SP6	15	73976413	73976677	73.98	8.00E-21	FLJ38190
CL377987	RP44_422H24	T7	15	73976413	73976677	73.98	4.00E-16	FLJ38190
CL378451	RP44_424I24	SP6	15	74099597	74099725	74.10	1.00E-34	ETFA
CL380847	RP44_314K16	SP6	15	74113590	74113973	74.11	3.00E-60	ETFA
CL342150	RP44_261P2	T7	15	74153670	74154009	74.15	5.00E-34	ETFA
CL411132	RP44_420M16	SP6	15	74175189	74175313	74.18	4.00E-23	ETFA
CL351692	RP44_313K8	T7	15	74830046	74830207	74.83	4.00E-59	NA
CL322588	RP44_405P1	T7	15	74936486	74936634	74.94	1.00E-09	TSPAN-3
CL351605	RP44_313K7	SP6	15	74986173	74986799	74.99	2.00E-49	KIAA2002
CL374825	RP44_470B2	T7	15	74990494	74991179	74.99	1.00E-41	KIAA2002
CL410144	RP44_418N5	T7	15	75108008	75108411	75.11	2.00E-20	NA
CL331762	CH242_8L7	SP6	15	75194318	75194512	75.19	1.00E-06	LOC350178
CL352239	RP44_314I5	SP6	15	75516064	75516257	75.52	3.00E-32	LOC253044
CL350392	RP44_310H12	T7	15	76297724	76298186	76.30	2.00E-08	NA
CL324620	RP44_476C16	SP6	15	76333507	76333630	76.33	8.00E-41	IREB2
CL364940	RP44_400E6	T7	15	76456570	76456702	76.46	1.00E-34	CHRNA5
CL377544	RP44_457C17	T7	15	76554825	76554883	76.55	3.00E-07	NA
CL345321	RP44_280G21	T7	15	76689824	76689888	76.69	1.00E-10	MORF4L1
CL336984	RP44_263D12	SP6	15	76858450	76858545	76.86	2.00E-24	RASGRF1
CL321859	CH242_15K7	T7	15	77201484	77201600	77.20	5.00E-18	LOC342117
CL370724	RP44_296I17	SP6	15	77277109	77277647	77.28	4.00E-16	NA
CL359508	RP44_336N14	SP6	15	77336961	77337272	77.34	2.00E-23	KIAA1024
CL320950	CH242_15K7	SP6	15	77441212	77441601	77.44	8.00E-11	LOC342120
CL370646	RP44_296I17	T7	15	77492331	77492436	77.49	4.00E-21	LOC342120
CL374675	RP44_470D21	T7	15	77555693	77556035	77.56	5.00E-06	NA
CL374706	RP44_470J21	T7	15	77555693	77556035	77.56	8.00E-08	NA
CL376310	RP44_444G11	T7	15	77850179	77850221	77.85	6.00E-12	NA
CL381345	RP44_315L23	SP6	15	77982976	77983048	77.98	3.00E-20	AWP1
CL382075	RP44_323G4	SP6	15	78558012	78558645	78.56	5.00E-19	NA
CL381990	RP44_323G4	T7	15	78687720	78687800	78.69	5.00E-10	KIAA1199
CL339500	RP44_269A20	T7	15	78739015	78739374	78.74	4.00E-19	KIAA1199
CL355283	RP44_409M20	SP6	15	78846647	78846686	78.85	1.00E-07	MESDC2

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL320334	CH242_6B20	SP6	15	78968891	78969381	78.97	2.00E-10	FLJ38615
CL342108	RP44_261H2	T7	15	79212178	79212331	79.21	4.00E-59	LOC342125
CL439961	RP44_299G12	SP6	15	79263057	79263105	79.26	5.00E-06	LOC342125
CL325870	RP44_242E8	SP6	15	79287762	79287933	79.29	1.00E-21	LOC342126
CL337577	RP44_264N18	T7	15	79310754	79310928	79.31	4.00E-07	LOC342126
CL339382	RP44_268H20	T7	15	79385790	79385854	79.39	7.00E-06	LOC342126
CL337091	RP44_264G21	T7	15	79591374	79591441	79.59	1.00E-07	NA
CL331795	CH242_9A23	T7	15	79905655	79905989	79.91	7.00E-12	NA
CL348748	RP44_275C6	T7	15	79905655	79905989	79.91	7.00E-12	NA
CL324053	RP44_463L9	T7	15	81346068	81346135	81.35	2.00E-10	LOC350234
CL370158	RP44_294B13	SP6	15	81533492	81533551	81.53	8.00E-08	NA
CL357354	RP44_413E19	T7	15	81696952	81697141	81.70	8.00E-39	SH3GL3
CL342784	RP44_275J18	T7	15	81808532	81808688	81.81	1.00E-25	SH3GL3
CL361349	RP44_350E17	SP6	15	81808586	81808688	81.81	4.00E-19	SH3GL3
CL361274	RP44_350E17	T7	15	81808586	81808688	81.81	5.00E-19	SH3GL3
CL331467	CH242_7P5	SP6	15	81989728	81989785	81.99	2.00E-11	KIAA1233
CL342865	RP44_275J18	SP6	15	82014744	82014972	82.01	3.00E-45	KIAA1233
CL325038	RP44_479C3	SP6	15	82123537	82123604	82.12	5.00E-13	KIAA1233
CL363486	RP44_388H7	SP6	15	82951583	82952036	82.95	1.00E-12	MIDORI
CL390030	RP44_287J4	SP6	15	83207177	83207550	83.21	5.00E-19	PDE8A
CL342309	RP44_262O13	T7	15	83268922	83269111	83.27	8.00E-39	PDE8A
CL365578	RP44_354K5	T7	15	83413796	85010152	84.21	7.00E-45	LOC350190
CL357293	RP44_412J6	SP6	15	83481259	93773181	88.63	4.00E-06	LOC342257
CL388771	RP44_285O4	T7	15	83481259	93773181	88.63	6.00E-06	LOC342257
CL376185	RP44_443J19	T7	15	83650010	83650315	83.65	1.00E-10	AKAP13
CL337215	RP44_264O21	SP6	15	84108615	84108779	84.11	9.00E-08	NA
CL369877	RP44_292H6	T7	15	84256391	84256496	84.26	4.00E-22	NA
CL369944	RP44_292H6	SP6	15	84413013	84413287	84.41	1.00E-83	FLJ32310
CL440113	RP44_299L16	T7	15	84473608	84473652	84.47	5.00E-06	LOC197097
CL412673	RP44_431E22	SP6	15	84474177	84474723	84.47	e-160	LOC197097
CL411221	RP44_420P19	T7	15	84527442	84527982	84.53	1.00E-49	LOC197097
CL414397	RP44_436B7	SP6	15	84671483	84671678	84.67	7.00E-27	LOC283736
CL411305	RP44_420P19	SP6	15	84760155	84760600	84.76	4.00E-38	NA
CL414317	RP44_436B7	T7	15	84813754	84813801	84.81	5.00E-10	LOC342200
CL327442	RP44_245J21	SP6	15	84813754	84813984	84.81	6.00E-18	LOC342200
CL374628	RP44_470K18	SP6	15	84814012	84814284	84.81	4.00E-44	LOC342200
CL365638	RP44_354K5	SP6	15	84831492	84831710	84.83	1.00E-52	LOC342200
CL333869	RP44_250B1	SP6	15	84896886	84897105	84.90	9.00E-38	NA
CL362853	RP44_380P6	T7	15	84941585	84941657	84.94	5.00E-13	NA
CL374828	RP44_470B8	T7	15	85000721	85000792	85.00	1.00E-12	NA
CL374830	RP44_470B14	T7	15	85000721	85000914	85.00	6.00E-09	NA
CL374906	RP44_470B14	SP6	15	85253808	85253943	85.25	1.00E-43	LOC350192
CL333776	RP44_250M10	SP6	15	85275002	85275540	85.28	3.00E-20	NA
CL335634	RP44_253B10	SP6	15	85522838	85523290	85.52	2.00E-54	NA
CL336730	RP44_263O8	SP6	15	85628530	85628827	85.63	2.00E-45	LOC350194
CL357907	RP44_413D8	SP6	15	85837609	85837755	85.84	2.00E-18	NA
CL324358	RP44_474O22	T7	15	85918433	85918528	85.92	2.00E-12	LOC342202
CL360553	RP44_339F17	SP6	15	86070375	86070765	86.07	1.00E-07	NTRK3
CL388413	RP44_284D24	T7	15	86128184	86128267	86.13	9.00E-11	NTRK3
CL367341	RP44_367K8	T7	15	86205784	86205903	86.21	1.00E-19	NTRK3
CL413760	RP44_435A7	SP6	15	86316106	86316387	86.32	2.00E-15	NTRK3
CL324150	RP44_463L16	T7	15	86368398	89464048	87.92	5.00E-06	NTRK3
CL367419	RP44_367K8	SP6	15	86373708	86374261	86.37	8.00E-58	NTRK3
CL339914	RP44_256B21	SP6	15	86436870	86437405	86.44	1.00E-19	NA
CL339836	RP44_256B21	T7	15	86595164	86595538	86.60	8.00E-36	MRPL46
CL329650	RP44_394P21	T7	15	86708451	86708487	86.71	5.00E-06	NA
CL336855	RP44_263J5	SP6	15	86923572	86923749	86.92	6.00E-21	NA
CL349730	RP44_309B14	T7	15	86969114	86969493	86.97	e-139	AGC1
CL349806	RP44_309B14	SP6	15	87224086	87224125	87.22	8.00E-08	ABHD2
CL365908	RP44_356O21	SP6	15	87235330	87235601	87.24	5.00E-12	ABHD2
CL355021	RP44_409C11	T7	15	87497140	87497415	87.50	4.00E-06	LOC254559
CL377685	RP44_457O13	SP6	15	87725000	87725159	87.73	2.00E-17	NA
CL386019	RP44_332F18	T7	15	87751893	87751992	87.75	3.00E-21	MGC45866
CL410943	RP44_420C17	SP6	15	88055461	88055609	88.06	3.00E-23	NA
CL339780	RP44_256E23	SP6	15	88144023	88144279	88.14	7.00E-21	LOC254647

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL328677	RP44_370H4	SP6	15	88330836	88330876	88.33	5.00E-06	NA
CL355451	RP44_409P17	SP6	15	88556301	88556422	88.56	3.00E-10	IQGAP1
CL371969	RP44_304N10	T7	15	88621795	88622014	88.62	4.00E-74	IQGAP1
CL333437	RP44_249P12	T7	15	88987916	88988076	88.99	1.00E-18	LOC342135
CL355419	RP44_409J5	SP6	15	89487902	89488216	89.49	9.00E-78	NA
CL331622	CH242_8M17	SP6	15	89783048	89783472	89.78	7.00E-24	NA
CL390083	RP44_288C9	T7	15	89798011	89798413	89.80	2.00E-24	LOC342138
CL368803	RP44_289J15	SP6	15	89993434	89993470	89.99	4.00E-06	SLC21A11
CL413232	RP44_432H8	T7	15	90026712	90026879	90.03	3.00E-10	SLC21A11
CL413002	RP44_431F22	SP6	15	90091502	90091627	90.09	2.00E-21	SLC21A11
CL363563	RP44_388H20	T7	15	90152435	90152551	90.15	2.00E-20	SLC21A11
CL389402	RP44_286F11	SP6	15	90227094	90227489	90.23	5.00E-55	SLC21A11
CL349610	RP44_309H13	T7	15	90256515	90256721	90.26	9.00E-79	SLC21A11
CL386258	RP44_333K12	SP6	15	90308580	90308930	90.31	2.00E-92	NA
CL389477	RP44_286F2	T7	15	90359033	90359231	90.36	4.00E-07	NA
CL386182	RP44_333K12	T7	15	90461642	90461883	90.46	1.00E-87	NA
CL361941	RP44_353E1	SP6	15	90566936	90567227	90.57	2.00E-70	SIAT8B
CL345724	RP44_280F13	SP6	15	90807815	90807977	90.81	1.00E-10	NA
CL371842	RP44_304F11	SP6	15	91130861	91131108	91.13	2.00E-60	CHD2
CL385264	RP44_330O20	SP6	15	91156604	91156815	91.16	3.00E-35	LOC283680
CL362061	RP44_353P15	T7	15	91216185	91216508	91.22	2.00E-42	RGM
CL371755	RP44_304F11	T7	15	91301194	91301339	91.30	9.00E-23	NA
CL384517	RP44_329K3	SP6	15	91616174	91616390	91.62	4.00E-59	NA
CL373661	RP44_469C9	T7	15	91700187	91700260	91.70	3.00E-11	NA
CL348099	RP44_273N6	SP6	15	91837371	91837704	91.84	6.00E-21	NA
CL348079	RP44_273J6	SP6	15	91837615	91837704	91.84	1.00E-18	NA
CL353783	RP44_403D18	T7	15	92515687	92516157	92.52	e-127	FLJ11175
CL345767	RP44_280N11	SP6	15	92546297	92546376	92.55	2.00E-17	FLJ11175
CL345426	RP44_280I13	SP6	15	92576919	92577491	92.58	5.00E-99	FLJ11175
CL340556	RP44_257B4	T7	15	92592011	92592104	92.59	1.00E-13	FLJ11175
CL356651	RP44_411P14	T7	15	92713014	92713227	92.71	6.00E-09	LOC342151
CL333436	RP44_249P10	T7	15	92765485	92765721	92.77	2.00E-63	LOC342152
CL356715	RP44_411P14	SP6	15	92916134	92916763	92.92	0	LOC350204
CL379697	RP44_428K13	T7	15	93000529	93000648	93.00	2.00E-06	NA
CL380333	RP44_429A21	T7	15	93096223	93096315	93.10	5.00E-16	NA
CL350688	RP44_311E18	T7	15	93199176	93199624	93.20	4.00E-81	NA
CL386609	RP44_334J21	T7	15	93209472	93209565	93.21	4.00E-16	NA
CL376096	RP44_443C2	T7	15	93359386	93359737	93.36	e-137	NA
CL386677	RP44_334J21	SP6	15	93361150	93361327	93.36	4.00E-07	NA
CL368856	RP44_289F6	T7	15	93395375	93395686	93.40	2.00E-76	LOC342255
CL342864	RP44_275J16	SP6	15	93399767	93400384	93.40	5.00E-62	LOC342255
CL359227	RP44_335N2	SP6	15	93435175	93435790	93.44	4.00E-59	NA
CL412591	RP44_431G8	T7	15	93536608	93536661	93.54	4.00E-09	NA
CL388549	RP44_285A9	T7	15	93610058	93610144	93.61	1.00E-10	LOC145820
CL412678	RP44_431G8	SP6	15	93740611	93740864	93.74	2.00E-18	LOC342257
CL356763	RP44_412I15	T7	15	93842157	93842240	93.84	5.00E-22	NA
CL412433	RP44_431G15	T7	15	93923901	93924018	93.92	4.00E-13	NA
CL409781	RP44_417N10	SP6	15	94238475	94238636	94.24	6.00E-32	NA
CL361953	RP44_353G11	SP6	15	94431312	94431350	94.43	4.00E-07	LOC339025
CL365344	RP44_400H18	T7	15	94451590	94452052	94.45	7.00E-24	LOC339025
CL343990	RP44_277L9	SP6	15	94471622	94472069	94.47	8.00E-76	NA
CL361883	RP44_353G11	T7	15	94579502	94579682	94.58	2.00E-52	LOC339027
CL338981	RP44_268O7	T7	15	94611223	94611281	94.61	1.00E-06	LOC339027
CL343922	RP44_277L9	T7	15	94670899	94671045	94.67	6.00E-15	NA
CL347665	RP44_272P2	SP6	15	94828954	94829020	94.83	1.00E-09	LOC342237
CL378502	RP44_424H23	T7	15	94828954	94829020	94.83	4.00E-07	LOC342237
CL386573	RP44_334B17	T7	15	94829460	94829540	94.83	7.00E-11	LOC342237
CL347606	RP44_272P2	T7	15	95010649	95011039	95.01	7.00E-64	NA
CL345512	RP44_280K18	T7	15	95150433	95151033	95.15	4.00E-07	LOC350210
CL340342	RP44_257O6	T7	15	95313284	95313734	95.31	e-171	NA
CL379896	RP44_428A2	SP6	15	95449814	95450046	95.45	3.00E-54	NA
CL324003	RP44_463B15	T7	15	95783353	95783457	95.78	3.00E-25	NA
CL413036	RP44_431N16	SP6	15	95789313	95789353	95.79	5.00E-06	NA
CL412959	RP44_431N16	T7	15	95965621	95965669	95.97	7.00E-06	LOC91948
CL348499	RP44_274P4	T7	15	96310720	96311028	96.31	5.00E-59	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL349576	RP44_309B1	T7	15	96361118	96361239	96.36	1.00E-06	LOC350221
CL363119	RP44_383C8	T7	15	96367015	96367453	96.37	e-129	LOC350221
CL337769	RP44_265E13	SP6	15	96500726	96500969	96.50	5.00E-58	LOC350221
CL328832	RP44_373H14	SP6	15	96534191	96534467	96.53	6.00E-77	LOC350221
CL339719	RP44_256I5	T7	15	96682898	96683089	96.68	1.00E-86	LOC342241
CL325296	RP44_241G17	T7	15	96691165	96691205	96.69	6.00E-06	LOC342241
CL373729	RP44_469O19	T7	15	96755930	96756206	96.76	1.00E-47	NA
CL374596	RP44_470E16	SP6	15	96764526	96764884	96.76	1.00E-68	NA
CL332426	CH242_10H17	SP6	15	96969474	96969823	96.97	2.00E-24	IGF1R
CL354466	RP44_407E18	T7	15	96997901	96998122	97.00	2.00E-25	IGF1R
CL409757	RP44_417H24	SP6	15	97002892	97003330	97.00	4.00E-31	IGF1R
CL385609	RP44_332I21	T7	15	97025224	97025294	97.03	2.00E-07	IGF1R
CL353460	RP44_403A17	SP6	15	97025856	97025919	97.03	7.00E-08	IGF1R
CL344387	RP44_278L5	T7	15	97174236	97174522	97.17	4.00E-07	NA
CL344473	RP44_278L5	SP6	15	97341507	97341725	97.34	3.00E-23	FLJ12572
CL344629	RP44_278L6	SP6	15	97341507	97341725	97.34	3.00E-23	FLJ12572
CL344279	RP44_278E16	SP6	15	97486449	97486892	97.49	2.00E-18	MGC24976
CL362984	RP44_383I3	T7	15	97577819	97578188	97.58	e-110	LOC342242
CL377695	RP44_457A10	T7	15	97636945	97637334	97.64	3.00E-08	LOC342242
CL365178	RP44_400F17	SP6	15	98247202	98247870	98.25	1.00E-50	ADAMTS17
CL374277	RP44_469J14	SP6	15	98540092	98540138	98.54	1.00E-09	MGC27091
CL326092	RP44_242N4	SP6	15	98572256	98572792	98.57	1.00E-59	MGC27091
CL338619	RP44_266M18	SP6	15	98828082	98828161	98.83	4.00E-10	NA
CL334269	RP44_251C22	T7	15	98901960	98902029	98.90	3.00E-11	NA
CL338535	RP44_266M18	T7	15	98994042	98994565	98.99	e-102	LOC145757
CL334345	RP44_251C22	SP6	15	99093662	99093724	99.09	3.00E-07	NA
CL365726	RP44_355P7	T7	15	99144939	99145111	99.15	3.00E-41	NA
CL385802	RP44_332G2	SP6	15	99198362	99198739	99.20	e-113	FLJ23119
CL385729	RP44_332G2	T7	15	99366141	99366233	99.37	2.00E-08	CHSY1
CL356794	RP44_412O23	T7	15	99476331	99476377	99.48	2.00E-09	PACE4
CL352849	RP44_401H14	SP6	15	99950878	99981906	99.97	e-102	LOC350223
CL384640	RP44_329C24	SP6	16	189059	189178	0.19	9.00E-35	LUC7L
CL349837	RP44_309H18	SP6	16	1340803	1340895	1.34	4.00E-18	LOC115939
CL349762	RP44_309H18	T7	16	1495550	1495605	1.50	5.00E-08	KIAA0683
CL360240	RP44_339E1	T7	16	1951146	1951299	1.95	8.00E-11	NDUFB10
CL351580	RP44_313E21	SP6	16	2419255	2419316	2.42	3.00E-09	NA
CL360098	RP44_338B8	SP6	16	3639559	3639764	3.64	8.00E-33	KIAA1784
CL408479	RP44_415B23	T7	16	4385558	4385689	4.39	1.00E-55	GLIS2
CL322111	RP44_399N15	T7	16	4408656	4408701	4.41	4.00E-09	FLJ22021
CL348213	RP44_274E17	SP6	16	4419526	4419580	4.42	1.00E-09	FLJ22021
CL323992	RP44_463O20	T7	16	4493306	4493456	4.49	5.00E-43	DNAJA3
CL325052	RP44_479C19	SP6	16	4505068	4505227	4.51	4.00E-52	DNAJA3
CL359966	RP44_338J1	T7	16	5552802	5552871	5.55	7.00E-14	A2BP1
CL409918	RP44_418K9	T7	16	5831270	5831399	5.83	6.00E-23	A2BP1
CL439867	RP44_297B6	SP6	16	6368465	6370639	6.37	1.00E-46	A2BP1
CL373868	RP44_469I12	T7	16	6376942	6377224	6.38	9.00E-67	A2BP1
CL346450	RP44_270D10	T7	16	6452787	6452918	6.45	1.00E-06	A2BP1
CL352498	RP44_401M18	T7	16	6608904	6609566	6.61	4.00E-12	A2BP1
CL346532	RP44_270D10	SP6	16	6640530	6640908	6.64	7.00E-86	A2BP1
CL360019	RP44_338D1	SP6	16	6907583	6908161	6.91	e-178	A2BP1
CL347772	RP44_273G11	SP6	16	7427203	7427267	7.43	3.00E-13	A2BP1
CL342845	RP44_275F22	SP6	16	7472270	7472841	7.47	4.00E-47	A2BP1
CL348421	RP44_274N15	SP6	16	7472280	7472841	7.47	4.00E-47	A2BP1
CL324799	RP44_478M9	T7	16	7510839	7510953	7.51	2.00E-07	A2BP1
CL378533	RP44_424B7	SP6	16	7899413	7899821	7.90	2.00E-67	NA
CL344359	RP44_278F9	T7	16	8031005	8031091	8.03	1.00E-07	LOC342467
CL378487	RP44_424F7	T7	16	8788787	8788851	8.79	2.00E-08	ABAT
CL362099	RP44_353J13	SP6	16	9272590	9272642	9.27	2.00E-08	NA
CL348957	RP44_275J5	T7	16	9280393	9280734	9.28	2.00E-27	LOC350247
CL350120	RP44_310A8	SP6	16	9510981	9511051	9.51	2.00E-11	LOC342267
CL413718	RP44_435G11	T7	16	9601901	9613356	9.61	1.00E-09	NA
CL322150	RP44_404C21	SP6	16	10191189	10191654	10.19	2.00E-48	GRIN2A
CL344906	RP44_279C12	SP6	16	10370093	10370828	10.37	2.00E-24	NA
CL360103	RP44_338B24	SP6	16	10654956	10655099	10.66	3.00E-15	LOC348149
CL354521	RP44_407C12	SP6	16	10962959	10963049	10.96	1.00E-09	MHC2TA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL330418	CH242_3D20	SP6	16	10982697	10982786	10.98	2.00E-18	MHC2TA
CL368314	RP44_288L4	SP6	16	11001132	11001322	11.00	2.00E-17	MYLE
CL359980	RP44_338L9	T7	16	11098175	11098307	11.10	3.00E-13	KIAA0350
CL375739	RP44_436D10	SP6	16	11401095	11401135	11.40	6.00E-06	NA
CL350034	RP44_310O23	SP6	16	12087217	12087744	12.09	2.00E-52	FLJ12363
CL342787	RP44_275J24	T7	16	12087594	12087744	12.09	2.00E-52	FLJ12363
CL409703	RP44_417L6	T7	16	13313121	13439796	13.38	9.00E-98	LOC342272
CL378332	RP44_423P18	SP6	16	13371744	18292024	15.83	7.00E-06	LOC350263
CL335808	RP44_254I11	SP6	16	13439453	13439745	13.44	6.00E-88	LOC342272
CL336704	RP44_263K2	SP6	16	13542614	13542724	13.54	4.00E-12	LOC342275
CL410425	RP44_419G15	SP6	16	13732585	13732660	13.73	4.00E-10	LOC342275
CL376261	RP44_443L7	SP6	16	13869285	13869325	13.87	5.00E-06	LOC342276
CL345735	RP44_280H11	SP6	16	14118484	14118613	14.12	4.00E-19	LOC342277
CL439655	RP44_297F1	T7	16	14169544	14169816	14.17	3.00E-25	LOC342277
CL376335	RP44_444M15	T7	16	14169574	14169816	14.17	2.00E-11	LOC342277
CL346253	RP44_270K15	SP6	16	14246984	14247319	14.25	4.00E-65	KIAA1243
CL362671	RP44_380F7	T7	16	14391407	14391447	14.39	5.00E-06	LOC350256
CL410656	RP44_419F13	SP6	16	14646599	14646756	14.65	2.00E-21	PARN
CL343147	RP44_276M22	T7	16	14875016	18481118	16.68	2.00E-55	LOC283820
CL361508	RP44_350L2	SP6	16	14899891	18456068	16.68	3.00E-35	LOC283820
CL378447	RP44_424I16	SP6	16	15332670	18288839	16.81	1.00E-38	LOC350263
CL356211	RP44_411A23	T7	16	15449092	15449422	15.45	2.00E-21	NA
CL363425	RP44_388H21	T7	16	15811558	15811739	15.81	6.00E-23	MYH11
CL440216	RP44_300C7	T7	16	16586165	18168703	17.38	e-142	LOC350262
CL340541	RP44_257L19	SP6	16	17056693	17056791	17.06	2.00E-06	NA
CL372721	RP44_306D10	T7	16	17223202	17223318	17.22	2.00E-11	XYLT1
CL387322	RP44_281E12	T7	16	17244186	17244360	17.24	3.00E-31	XYLT1
CL439932	RP44_297N20	SP6	16	17416718	17416813	17.42	6.00E-13	XYLT1
CL387403	RP44_281E12	SP6	16	17430196	17430356	17.43	8.00E-45	XYLT1
CL411093	RP44_420C14	SP6	16	17430196	17430356	17.43	1.00E-42	XYLT1
CL356889	RP44_412C20	T7	16	17483083	17483314	17.48	4.00E-18	XYLT1
CL343645	RP44_277A3	SP6	16	17622964	17623076	17.62	2.00E-08	NA
CL408410	RP44_415E4	SP6	16	17666422	17666473	17.67	6.00E-06	LOC350259
CL356966	RP44_412C20	SP6	16	17690417	17690556	17.69	3.00E-28	LOC350259
CL370759	RP44_300C7	SP6	16	17952764	17953437	17.95	8.00E-52	NA
CL362650	RP44_380O19	SP6	16	17967484	17967877	17.97	e-117	NA
CL358656	RP44_415O7	T7	16	18018230	18018470	18.02	8.00E-85	LOC350261
CL327804	RP44_246J13	T7	16	18756041	18756233	18.76	2.00E-70	SMG1
CL344093	RP44_278A13	SP6	16	18922703	18922770	18.92	4.00E-10	FLJ21240
CL372225	RP44_305D23	T7	16	18922703	18922770	18.92	3.00E-10	FLJ21240
CL344016	RP44_278A13	T7	16	19114041	19114109	19.11	6.00E-06	LOC51760
CL408835	RP44_416I19	T7	16	19412914	19413043	19.41	6.00E-20	FLJ13593
CL321894	CH242_15B8	T7	16	19722471	19722923	19.72	3.00E-20	MGC35048
CL363060	RP44_383G9	SP6	16	20350324	20545798	20.45	8.00E-36	FLJ20581
CL334213	RP44_251G21	SP6	16	20404273	20498211	20.45	4.00E-31	LOC348158
CL375757	RP44_436F24	SP6	16	20735981	20736287	20.74	2.00E-18	MGC16943
CL362154	RP44_375C19	SP6	16	20963175	20963464	20.96	1.00E-38	DKFZp434N074
CL320531	CH242_10F18	T7	16	21073183	21074017	21.07	9.00E-11	DKFZp434N074
CL368009	RP44_375C19	T7	16	21166560	21166860	21.17	3.00E-11	LOC350266
CL341989	RP44_261L1	T7	16	21549595	21549872	21.55	4.00E-34	DREV1
CL384868	RP44_329F8	T7	16	21648637	21648847	21.65	4.00E-62	OTOA
CL342153	RP44_261P10	T7	16	21877508	21885693	21.88	8.00E-30	LOC342293
CL330077	CH242_3C2	SP6	16	21910250	21910301	21.91	7.00E-08	UQCRC2
CL346962	RP44_271J8	T7	16	21935079	21935216	21.94	5.00E-38	MGC50721
CL373793	RP44_469K15	SP6	16	21935079	21935231	21.94	2.00E-36	MGC50721
CL342056	RP44_261L1	SP6	16	22574347	22574640	22.57	8.00E-39	LOC342294
CL365283	RP44_400J24	SP6	16	22574347	22574640	22.57	8.00E-39	LOC342294
CL384933	RP44_329F8	SP6	16	22652931	22652994	22.65	5.00E-15	NA
CL327248	RP44_245K20	T7	16	22652931	22652994	22.65	3.00E-15	NA
CL374460	RP44_470M3	SP6	16	22729336	22729542	22.73	4.00E-16	LOC342295
CL322139	RP44_399P23	SP6	16	22898748	22898790	22.90	1.00E-09	NA
CL343493	RP44_276B24	SP6	16	23853888	23854058	23.85	1.00E-59	PRKCB1
CL348255	RP44_274M19	SP6	16	24029908	24030672	24.03	5.00E-19	PRKCB1
CL323686	RP44_458J24	SP6	16	24197697	24198262	24.20	2.00E-46	CACNG3
CL359413	RP44_336D20	T7	16	24226829	24226952	24.23	9.00E-08	CACNG3

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL332684	CH242_12G14	T7	16	24340109	24340394	24.34	4.00E-50	NA
CL374772	RP44_470H7	SP6	16	24548918	24549191	24.55	1.00E-86	NA
CL411067	RP44_420M20	T7	16	24574670	24574886	24.57	6.00E-09	NA
CL333779	RP44_250M16	SP6	16	24915965	24916078	24.92	1.00E-25	RICH1
CL328248	RP44_248G18	T7	16	25176789	25176929	25.18	2.00E-39	NA
CL375121	RP44_471K15	SP6	16	26136710	26136986	26.14	1.00E-30	NA
CL386149	RP44_333E22	T7	16	26321533	26322035	26.32	4.00E-07	NA
CL371424	RP44_302L21	SP6	16	26584921	26585073	26.58	2.00E-27	LOC350271
CL333945	RP44_250B18	T7	16	26619567	26619671	26.62	1.00E-06	LOC350271
CL383946	RP44_327F20	T7	16	27715243	27715349	27.72	3.00E-22	KIAA0556
CL366460	RP44_362C24	T7	16	27853390	27853554	27.85	3.00E-20	MGC18079
CL348146	RP44_274G7	T7	16	27888759	27889106	27.89	2.00E-95	MGC18079
CL348164	RP44_274K7	T7	16	27888759	27889136	27.89	e-104	MGC18079
CL378628	RP44_424L2	T7	16	27920227	27920302	27.92	5.00E-08	MGC18079
CL357310	RP44_412L24	SP6	16	28050398	28050544	28.05	3.00E-55	XPO6
CL357236	RP44_412L24	T7	16	28262110	28262162	28.26	5.00E-16	LOC112868
CL349053	RP44_275L13	SP6	16	28262412	28262536	28.26	1.00E-30	LOC112868
CL339554	RP44_255H18	T7	16	30432496	30432814	30.43	7.00E-61	MGC5627
CL331694	CH242_8N9	T7	16	30959268	30959390	30.96	6.00E-29	MGC13024
CL336671	RP44_263C20	SP6	16	30965708	30965819	30.97	3.00E-15	KIAA0339
CL349135	RP44_308F14	T7	16	30967316	30967504	30.97	1.00E-65	KIAA0339
CL374890	RP44_470P4	T7	16	31104235	31104314	31.10	1.00E-08	NA
CL343682	RP44_277G23	SP6	16	31128588	31128785	31.13	5.00E-71	MYST1
CL349213	RP44_308F14	SP6	16	31194966	31195447	31.20	e-135	FUS
CL347536	RP44_272L9	SP6	16	31197382	31197479	31.20	1.00E-37	FUS
CL383893	RP44_327K14	SP6	16	31367955	31368021	31.37	1.00E-16	ITGAX
CL350638	RP44_311I15	SP6	16	31388525	31432247	31.41	5.00E-32	ITGAD
CL359540	RP44_337E15	T7	16	31555670	31816529	31.69	3.00E-10	VN1R3
CL335429	RP44_253D21	T7	16	46947742	46947888	46.95	5.00E-06	CDA08
CL336243	RP44_255F3	SP6	16	47095110	47095362	47.10	4.00E-28	CDA08
CL338902	RP44_267I14	SP6	16	47095189	47095362	47.10	1.00E-27	CDA08
CL324760	RP44_478A15	SP6	16	47095242	47095362	47.10	1.00E-17	CDA08
CL327789	RP44_246F7	T7	16	47333188	47333251	47.33	1.00E-07	PHKB
CL413046	RP44_431P14	SP6	16	47361900	47361991	47.36	3.00E-29	PHKB
CL413025	RP44_431L12	SP6	16	47361948	47361991	47.36	9.00E-08	PHKB
CL376989	RP44_449E17	SP6	16	47573597	47573659	47.57	5.00E-19	NA
CL327060	RP44_245A1	T7	16	48122664	48122905	48.12	3.00E-78	MGC4840
CL369531	RP44_291G2	SP6	16	48329248	48329295	48.33	6.00E-08	NA
CL382677	RP44_325A7	T7	16	48491829	48492390	48.49	2.00E-95	NA
CL336433	RP44_262D12	SP6	16	48611329	48611375	48.61	3.00E-07	NA
CL374210	RP44_469L22	T7	16	48658792	48659217	48.66	6.00E-86	NA
CL325102	RP44_479I19	SP6	16	48774372	48774521	48.77	8.00E-19	NA
CL352260	RP44_314M13	SP6	16	49081270	49081698	49.08	8.00E-36	NA
CL372886	RP44_307C20	T7	16	49116401	49116631	49.12	2.00E-73	NA
CL359530	RP44_337C11	T7	16	49246015	49246203	49.25	2.00E-52	NA
CL367122	RP44_364E21	SP6	16	49263311	49263422	49.26	1.00E-16	OAZ
CL361881	RP44_353G3	T7	16	49341849	49341933	49.34	1.00E-24	OAZ
CL325818	RP44_242E24	T7	16	49341852	49341933	49.34	5.00E-23	OAZ
CL385930	RP44_332B17	SP6	16	49551682	49552117	49.55	e-125	LOC350297
CL321246	CH242_15L1	T7	16	49802742	49803404	49.80	3.00E-36	FLJ38101
CL321247	CH242_15L1	SP6	16	49994335	49994684	49.99	e-134	TRF4-2
CL357948	RP44_413J20	SP6	16	50131157	50131246	50.13	3.00E-11	BRD7
CL351841	RP44_313J5	T7	16	50179524	50179671	50.18	1.00E-38	NA
CL376013	RP44_441P20	T7	16	50200316	50200352	50.20	4.00E-06	NA
CL379177	RP44_426K21	SP6	16	50318768	50318935	50.32	1.00E-48	NA
CL370631	RP44_296G3	T7	16	50374552	50374802	50.37	6.00E-64	NKD1
CL383958	RP44_327J2	T7	16	50470684	50471094	50.47	5.00E-86	CARD15
CL359950	RP44_338F11	T7	16	50509079	50509243	50.51	5.00E-30	CYLD
CL323311	RP44_458C19	T7	16	50509079	50509243	50.51	8.00E-30	CYLD
CL320810	CH242_13B9	SP6	16	50682064	50682699	50.68	0	NA
CL376285	RP44_444A7	T7	16	50814513	50815035	50.81	7.00E-98	NA
CL382499	RP44_324I17	SP6	16	50843916	50844275	50.84	e-170	NA
CL329735	RP44_394J8	T7	16	51128563	51128619	51.13	2.00E-13	LOC342311
CL362429	RP44_377A18	SP6	16	51185839	51185929	51.19	4.00E-31	NA
CL411515	RP44_422G10	T7	16	51216136	51216510	51.22	8.00E-15	LOC350274

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL367248	RP44_365E3	SP6	16	51569411	51569648	51.57	1.00E-86	NA
CL326182	RP44_243O7	T7	16	51585514	51585566	51.59	1.00E-13	NA
CL439775	RP44_297P5	SP6	16	51656144	51656180	51.66	5.00E-06	NA
CL367183	RP44_365E3	T7	16	51726920	51727079	51.73	1.00E-13	NA
CL349441	RP44_309E10	T7	16	52208497	52208961	52.21	0	NA
CL344265	RP44_278C2	SP6	16	52216258	52216684	52.22	6.00E-06	TNRC9
CL357032	RP44_412D17	T7	16	52216649	52216746	52.22	2.00E-09	TNRC9
CL364785	RP44_398N19	SP6	16	52235822	52236286	52.24	1.00E-80	TNRC9
CL380897	RP44_314F13	T7	16	52290401	52290772	52.29	1.00E-12	TNRC9
CL358502	RP44_414P18	T7	16	52295527	52296199	52.30	e-156	TNRC9
CL373482	RP44_308P9	SP6	16	52295935	52296241	52.30	5.00E-65	TNRC9
CL358582	RP44_414P18	SP6	16	52481040	52481290	52.48	8.00E-14	NA
CL346931	RP44_271D10	T7	16	53437603	53437937	53.44	1.00E-59	KIAA1005
CL355980	RP44_410F13	SP6	16	53825531	53825845	53.83	2.00E-39	MGC5149
CL336312	RP44_263I3	T7	16	53887976	53888352	53.89	e-141	NA
CL362799	RP44_380D6	T7	16	54255274	54255540	54.26	1.00E-25	NA
CL352869	RP44_401L18	SP6	16	54452665	66807764	60.63	2.00E-06	CBFB
CL367544	RP44_367D9	SP6	16	54514514	54514934	54.51	e-150	NA
CL439708	RP44_297P19	T7	16	54594056	54594167	54.59	3.00E-13	NA
CL338143	RP44_265P3	SP6	16	54647344	54647909	54.65	3.00E-23	LOC342317
CL413086	RP44_432G17	T7	16	54868140	54868307	54.87	4.00E-60	LOC350282
CL338062	RP44_265P3	T7	16	54871110	54871198	54.87	1.00E-15	LOC350282
CL351397	RP44_312D4	SP6	16	54923619	54924020	54.92	6.00E-85	LOC350282
CL372189	RP44_305M1	SP6	16	55004238	55004350	55.00	1.00E-08	NA
CL367014	RP44_363M23	SP6	16	55094002	55094324	55.09	2.00E-60	NA
CL386327	RP44_333J6	T7	16	55145368	55145422	55.15	7.00E-10	NA
CL378877	RP44_425O13	SP6	16	55178637	55178692	55.18	2.00E-06	MMP2
CL321689	CH242_13K18	SP6	16	55521533	66712743	61.12	7.00E-08	CES2
CL345162	RP44_279J8	T7	16	55668890	55668965	55.67	8.00E-15	FLJ31547
CL337497	RP44_264N1	SP6	16	55782195	55782354	55.78	1.00E-10	NA
CL338553	RP44_266A16	SP6	16	55782497	55782626	55.78	2.00E-18	NA
CL413242	RP44_432J10	T7	16	55814478	55814699	55.81	1.00E-68	NA
CL321119	CH242_15M18	SP6	16	55876152	55876253	55.88	1.00E-13	LOC283856
CL365460	RP44_353B16	SP6	16	56200995	56201155	56.20	9.00E-25	CPSF5
CL409876	RP44_418A7	T7	16	56526953	56527199	56.53	3.00E-55	KIAA0095
CL382343	RP44_323L20	SP6	16	56557832	56558069	56.56	1.00E-49	KIAA0095
CL354067	RP44_405K2	T7	16	56591674	56591977	56.59	3.00E-65	KIAA0095
CL385749	RP44_332K14	T7	16	56591674	56591984	56.59	5.00E-68	KIAA0095
CL382863	RP44_325G4	T7	16	56599055	56599220	56.60	1.00E-53	KIAA0095
CL409866	RP44_418O3	SP6	16	56599707	56599757	56.60	5.00E-08	KIAA0095
CL326737	RP44_244K5	SP6	16	56618445	56618930	56.62	6.00E-58	NA
CL389549	RP44_286D16	SP6	16	56625336	56625784	56.63	3.00E-11	NA
CL342175	RP44_261D22	SP6	16	56658800	56658894	56.66	1.00E-22	SLC12A3
CL331014	CH242_6B13	T7	16	56952801	56952866	56.95	2.00E-08	NIP30
CL323999	RP44_463B9	T7	16	56958962	56959175	56.96	3.00E-10	KIAA1972
CL351679	RP44_313G22	T7	16	56990345	56990623	56.99	3.00E-17	KIAA1972
CL324424	RP44_474H24	T7	16	57029247	57029296	57.03	1.00E-06	TM4SF11
CL341664	RP44_261I13	T7	16	57225460	57225876	57.23	7.00E-24	DKFZP434K046
CL340252	RP44_257K13	SP6	16	57271019	57271136	57.27	6.00E-24	NA
CL359380	RP44_336N3	SP6	16	57423927	57424069	57.42	8.00E-48	GPR56
CL347034	RP44_271H12	SP6	16	57424462	57424531	57.42	2.00E-16	GPR56
CL337379	RP44_264D9	T7	16	57433572	57433612	57.43	3.00E-06	NA
CL387612	RP44_281P9	SP6	16	57433648	57433931	57.43	2.00E-11	NA
CL380517	RP44_429C24	T7	16	57450902	58135151	57.79	3.00E-54	GPR-97
CL348317	RP44_274J21	T7	16	57495361	57495943	57.50	1.00E-31	DKFZp434I099
CL412127	RP44_430J21	SP6	16	57578918	57578978	57.58	6.00E-12	KIFC3
CL348724	RP44_275O1	SP6	16	57625254	57625336	57.63	3.00E-07	NA
CL374725	RP44_470N21	T7	16	57632129	57632221	57.63	3.00E-13	NA
CL322706	RP44_416K20	T7	16	57653878	57653942	57.65	4.00E-06	CNGB1
CL322705	RP44_416K18	T7	16	57653878	57653948	57.65	3.00E-07	CNGB1
CL380189	RP44_428H24	T7	16	57816903	57816961	57.82	6.00E-12	NA
CL387182	RP44_281G13	T7	16	57895612	57895738	57.90	3.00E-29	GTL3
CL366371	RP44_358P16	T7	16	58315689	58316227	58.32	9.00E-61	KIAA1007
CL341513	RP44_260L18	T7	16	58351305	58351516	58.35	2.00E-67	KIAA1007
CL413620	RP44_433D6	SP6	16	58351636	58351740	58.35	1.00E-30	KIAA1007

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL368759	RP44_289B9	SP6	16	58578761	58578915	58.58	9.00E-16	NA
CL362765	RP44_380L17	SP6	16	58932078	58932358	58.93	9.00E-79	NA
CL337011	RP44_263J4	SP6	16	59082923	59083472	59.08	3.00E-29	NA
CL362695	RP44_380L17	T7	16	59116253	59116302	59.12	1.00E-06	LOC348170
CL342684	RP44_262H23	SP6	16	59355650	59355716	59.36	6.00E-12	NA
CL331073	CH242_6N3	T7	16	59458919	59459043	59.46	6.00E-06	NA
CL339725	RP44_256K3	T7	16	59689890	59690008	59.69	6.00E-40	LOC342474
CL339800	RP44_256K3	SP6	16	59893514	59893599	59.89	2.00E-11	LOC342474
CL371613	RP44_304G14	T7	16	60246040	60246380	60.25	e-120	NA
CL412147	RP44_430N21	SP6	16	60417224	60417619	60.42	7.00E-89	LOC342475
CL412222	RP44_430N21	T7	16	60602094	60602418	60.60	7.00E-54	NA
CL332508	CH242_12G9	T7	16	60779876	60780496	60.78	3.00E-63	NA
CL389404	RP44_286F19	SP6	16	60984145	60984196	60.98	7.00E-06	LOC342476
CL332609	CH242_12G9	SP6	16	61047369	61047502	61.05	2.00E-27	NA
CL413400	RP44_433G10	T7	16	61153837	61154173	61.15	2.00E-52	NA
CL373730	RP44_469O21	T7	16	61217546	61217709	61.22	1.00E-28	NA
CL359708	RP44_337O20	T7	16	61432925	61433157	61.43	1.00E-07	CDH8
CL330369	CH242_3J12	T7	16	61477060	61477212	61.48	4.00E-16	CDH8
CL345034	RP44_279N15	T7	16	61494489	61494692	61.49	2.00E-86	CDH8
CL410098	RP44_418O10	SP6	16	61645322	61645820	61.65	3.00E-07	CDH8
CL345106	RP44_279N15	SP6	16	61647326	61647534	61.65	4.00E-13	CDH8
CL336024	RP44_255G23	T7	16	61694822	61695257	61.70	e-101	CDH8
CL369985	RP44_293A4	T7	16	61773210	61773490	61.77	3.00E-47	CDH8
CL340956	RP44_258F8	SP6	16	62065255	62065756	62.07	3.00E-17	NA
CL332128	CH242_10A2	T7	16	62617805	62617957	62.62	1.00E-10	NA
CL372126	RP44_305M3	T7	16	62901589	62901995	62.90	e-110	NA
CL329354	RP44_386P14	SP6	16	63227168	63227382	63.23	4.00E-25	NA
CL329353	RP44_386P14	T7	16	63413977	63414055	63.41	2.00E-14	NA
CL387625	RP44_282A11	T7	16	63617028	63617315	63.62	e-110	LOC350291
CL372411	RP44_305J2	T7	16	63617373	63617969	63.62	3.00E-11	LOC350291
CL369831	RP44_292K18	T7	16	63723301	63723343	63.72	2.00E-09	LOC350291
CL410444	RP44_419M11	SP6	16	63901824	63901982	63.90	5.00E-22	NA
CL331981	CH242_10E19	T7	16	64017129	64017176	64.02	5.00E-08	LOC348171
CL366163	RP44_358B15	T7	16	64072618	64073021	64.07	2.00E-77	LOC348171
CL379704	RP44_428M5	T7	16	64183242	64183298	64.18	7.00E-06	NA
CL332069	CH242_10E19	SP6	16	64233120	64233248	64.23	4.00E-22	NA
CL380431	RP44_429C21	SP6	16	64302160	64302267	64.30	7.00E-15	NA
CL358803	RP44_415K10	T7	16	64407071	64407198	64.41	8.00E-24	NA
CL323526	RP44_458K18	T7	16	64441240	64441539	64.44	9.00E-98	NA
CL377226	RP44_449B15	T7	16	64541644	64541743	64.54	2.00E-12	NA
CL339482	RP44_268N2	SP6	16	64659734	64659959	64.66	6.00E-06	NA
CL331266	CH242_7C12	SP6	16	64720076	64720164	64.72	7.00E-06	CDH11
CL382690	RP44_325C15	T7	16	64819271	64819368	64.82	2.00E-18	CDH11
CL380959	RP44_314B9	SP6	16	65518138	65518447	65.52	8.00E-45	NA
CL368441	RP44_289C3	SP6	16	66219540	66219717	66.22	2.00E-11	LOC146227
CL333690	RP44_250I18	T7	16	66338917	66339028	66.34	3.00E-13	CKLFSF1
CL363048	RP44_383E3	SP6	16	66559912	66560082	66.56	3.00E-65	FLJ35894
CL333470	RP44_249F18	SP6	16	66569164	66570005	66.57	1.00E-06	FLJ35894
CL336050	RP44_255M15	T7	16	66812926	66813178	66.81	2.00E-21	CBFB
CL322784	RP44_437E1	SP6	16	66813332	66813474	66.81	5.00E-06	CBFB
CL321608	CH242_13K18	T7	16	66959566	66960210	66.96	2.00E-14	NA
CL413342	RP44_432N12	SP6	16	67035541	67035637	67.04	6.00E-21	SLC9A5
CL337198	RP44_264M11	SP6	16	67357875	67358919	67.36	2.00E-06	CTCF
CL351781	RP44_313M4	SP6	16	67357875	67358919	67.36	1.00E-06	CTCF
CL364382	RP44_396O8	SP6	16	67358888	67358965	67.36	5.00E-06	CTCF
CL364227	RP44_396O9	SP6	16	67358888	67358965	67.36	3.00E-06	CTCF
CL342205	RP44_261J22	SP6	16	67390784	67390977	67.39	2.00E-80	CTCF
CL389321	RP44_286D17	T7	16	67572459	67572507	67.57	2.00E-08	KIAA1464
CL383795	RP44_327G16	T7	16	67938927	67938980	67.94	7.00E-09	NFATC3
CL383760	RP44_327A8	T7	16	68065728	68066139	68.07	1.00E-58	SLC7A6
CL384180	RP44_328J1	SP6	16	68158061	68158502	68.16	8.00E-70	SMPD3
CL323888	RP44_463A23	T7	16	68405347	68405959	68.41	1.00E-38	NA
CL335424	RP44_253D3	T7	16	68484791	68485116	68.48	3.00E-44	NA
CL410262	RP44_418D16	SP6	16	68559684	68559754	68.56	1.00E-16	CDH1
CL373567	RP44_457P15	T7	16	68679751	68679932	68.68	4.00E-38	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL336557	RP44_263M15	SP6	16	68690803	68691181	68.69	1.00E-06	NA
CL353416	RP44_403C9	T7	16	68812640	68812810	68.81	1.00E-24	NA
CL347815	RP44_273O13	SP6	16	68958546	68959303	68.96	6.00E-18	SNTB2
CL410194	RP44_418H4	T7	16	69037323	69037407	69.04	1.00E-22	SNTB2
CL413522	RP44_433M18	SP6	16	69070122	69070475	69.07	3.00E-39	SNTB2
CL410274	RP44_418H4	SP6	16	69211365	69211671	69.21	4.00E-10	CYB5-M
CL413434	RP44_433M18	T7	16	69234952	69235590	69.24	9.00E-58	LOC283852
CL378232	RP44_423H16	T7	16	69282946	69283067	69.28	2.00E-20	NA
CL351985	RP44_313D24	T7	16	69330972	69331038	69.33	2.00E-07	NA
CL346363	RP44_270B21	SP6	16	69484266	69484624	69.48	7.00E-51	NQO1
CL388853	RP44_285O18	SP6	16	69613259	69613330	69.61	1.00E-07	WWP2
CL346285	RP44_270B21	T7	16	69631178	69631222	69.63	2.00E-08	WWP2
CL322648	RP44_416E22	T7	16	70128658	70128830	70.13	2.00E-23	FLJ11126
CL356277	RP44_411A3	SP6	16	70242393	70242676	70.24	6.00E-95	FUK
CL439953	RP44_299C18	SP6	16	70336722	70336761	70.34	9.00E-06	SF3B3
CL386278	RP44_333O14	SP6	16	70400884	70400950	70.40	2.00E-09	MGC34647
CL410185	RP44_418F6	T7	16	70446182	70446310	70.45	7.00E-42	LOC92154
CL371237	RP44_302G2	SP6	16	70561603	70561680	70.56	1.00E-06	FLJ10305
CL386204	RP44_333O14	T7	16	70561603	70561680	70.56	1.00E-06	FLJ10305
CL337886	RP44_265K20	T7	16	70794731	70794832	70.79	6.00E-06	DKFZp434L0850
CL334112	RP44_251E1	T7	16	70892355	70892774	70.89	2.00E-54	DKFZp434L0850
CL359345	RP44_336F13	SP6	16	71055550	71055651	71.06	1.00E-06	FLJ11171
CL351642	RP44_313A16	T7	16	71070071	71070169	71.07	3.00E-10	NA
CL325369	RP44_241115	SP6	16	71629374	71629805	71.63	0	LOC55565
CL354925	RP44_408P21	T7	16	71658007	71658044	71.66	1.00E-06	NA
CL333665	RP44_250C18	T7	16	71894164	71894347	71.89	6.00E-51	PMFBP1
CL344538	RP44_278J6	T7	16	71966203	71966700	71.97	8.00E-42	LOC342373
CL385297	RP44_330H15	T7	16	71966585	71967166	71.97	9.00E-36	LOC342373
CL322954	RP44_437I20	T7	16	72159178	72159685	72.16	0	NA
CL324562	RP44_475L18	T7	16	72162328	72162364	72.16	2.00E-06	NA
CL324507	RP44_475K17	T7	16	72162328	72162593	72.16	4.00E-06	NA
CL379245	RP44_426K14	T7	16	72237359	72237450	72.24	1.00E-24	NA
CL324508	RP44_475K17	SP6	16	72329306	72329414	72.33	2.00E-13	NA
CL345236	RP44_279H20	SP6	16	72551443	72551912	72.55	3.00E-11	NA
CL321153	CH242_15B11	SP6	16	72566212	72566712	72.57	e-104	ATBF1
CL361938	RP44_353C19	SP6	16	72584034	72584315	72.58	2.00E-09	ATBF1
CL329376	RP44_394A14	SP6	16	72715819	72715924	72.72	2.00E-23	ATBF1
CL340176	RP44_257K15	T7	16	72778655	72778933	72.78	5.00E-77	ATBF1
CL352319	RP44_400N18	T7	16	72959666	72960230	72.96	4.00E-22	LOC350295
CL324342	RP44_474O6	T7	16	73006293	73006367	73.01	1.00E-07	NA
CL342485	RP44_262C2	SP6	16	73038237	73038847	73.04	9.00E-30	NA
CL325458	RP44_241N23	T7	16	73161402	73161595	73.16	6.00E-18	LOC146350
CL387476	RP44_281F5	T7	16	73173030	73173311	73.17	1.00E-47	LOC146350
CL342405	RP44_262C2	T7	16	73210440	73210772	73.21	3.00E-11	LOC342403
CL386834	RP44_335C5	T7	16	73317430	73317832	73.32	3.00E-32	NA
CL372659	RP44_306H7	SP6	16	73317989	73318370	73.32	2.00E-58	NA
CL325536	RP44_241N23	SP6	16	73341563	73341753	73.34	6.00E-30	NA
CL360981	RP44_343B17	T7	16	73345113	73345554	73.35	e-114	NA
CL387561	RP44_281F5	SP6	16	73385182	73385235	73.39	2.00E-18	NA
CL363660	RP44_388N24	SP6	16	73547132	73547200	73.55	6.00E-06	NA
CL387136	RP44_280N22	SP6	16	73553456	73553874	73.55	1.00E-81	LOC348190
CL385748	RP44_332K10	T7	16	73719614	73719653	73.72	1.00E-07	NA
CL332726	CH242_12O10	T7	16	73739471	73740072	73.74	e-154	NA
CL360653	RP44_340N4	T7	16	73746189	73746673	73.75	2.00E-21	NA
CL360654	RP44_340N6	T7	16	73746374	73746568	73.75	3.00E-18	NA
CL345855	RP44_280N22	T7	16	73781652	73781716	73.78	6.00E-06	LOC350316
CL367387	RP44_367C16	SP6	16	73926928	73927095	73.93	2.00E-09	NA
CL385821	RP44_332K10	SP6	16	73938737	73939361	73.94	2.00E-49	NA
CL388776	RP44_285O18	T7	16	73997776	73998385	74.00	3.00E-07	NA
CL323975	RP44_463K4	T7	16	74062503	74062571	74.06	8.00E-11	NA
CL439807	RP44_297F10	T7	16	74403530	74403870	74.40	6.00E-33	FLJ10520
CL380882	RP44_314D3	T7	16	74777635	74777691	74.78	3.00E-13	NIN283
CL370809	RP44_300M9	SP6	16	75223259	75223289	75.22	2.00E-07	LOC124491
CL322297	RP44_404I14	T7	16	75343671	75343762	75.34	5.00E-15	GABARAPL2
CL361083	RP44_343L17	SP6	16	75641206	75641845	75.64	3.00E-26	LOC342411

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL354590	RP44_408E3	T7	16	75681074	75681582	75.68	7.00E-70	LOC342411
CL384820	RP44_329L1	SP6	16	75749286	75749338	75.75	6.00E-06	NA
CL331558	CH242_8A15	SP6	16	75932378	75932524	75.93	8.00E-43	NA
CL368634	RP44_289I10	SP6	16	75942117	75942380	75.94	1.00E-21	NA
CL369851	RP44_292B4	T7	16	76426851	76427072	76.43	3.00E-59	NA
CL377974	RP44_422F10	T7	16	76550129	76550363	76.55	3.00E-32	LOC342413
CL342184	RP44_261F22	SP6	16	76874622	76874755	76.87	3.00E-11	LOC161957
CL387710	RP44_282C3	SP6	16	76874622	76874755	76.87	2.00E-11	LOC161957
CL355726	RP44_410A22	T7	16	76941778	76941852	76.94	2.00E-15	NA
CL355747	RP44_410E24	T7	16	76941780	76941852	76.94	2.00E-14	NA
CL408580	RP44_415H13	SP6	16	77698357	77698596	77.70	3.00E-11	KIAA1576
CL335779	RP44_254A23	SP6	16	78006825	78007021	78.01	2.00E-17	WVVOX
CL342431	RP44_262G14	T7	16	78060836	78060965	78.06	3.00E-17	WVVOX
CL323145	RP44_457H7	SP6	16	78126504	78126667	78.13	4.00E-56	WVVOX
CL372453	RP44_305B2	SP6	16	78177864	78178058	78.18	1.00E-06	WVVOX
CL367435	RP44_367M20	SP6	16	78370492	78371082	78.37	0	WVVOX
CL372370	RP44_305B2	T7	16	78401560	78401794	78.40	2.00E-84	WVVOX
CL388162	RP44_284C14	SP6	16	78490560	78490714	78.49	2.00E-40	WVVOX
CL330857	CH242_4P20	SP6	16	78570978	78571319	78.57	3.00E-14	NA
CL414214	RP44_436K20	T7	16	78586022	78586150	78.59	9.00E-14	NA
CL409231	RP44_417C7	T7	16	78713812	78714215	78.71	2.00E-66	LOC350324
CL364387	RP44_396O18	SP6	16	78897954	78898071	78.90	6.00E-14	NA
CL388560	RP44_285C9	T7	16	78943332	78943708	78.94	2.00E-39	LOC342477
CL360376	RP44_339I20	T7	16	79297071	79297153	79.30	3.00E-07	NA
CL350241	RP44_310J11	T7	16	79297076	79297153	79.30	1.00E-06	NA
CL385885	RP44_332J3	T7	16	79552274	79552581	79.55	2.00E-94	NA
CL388310	RP44_284P23	T7	16	79552713	79552993	79.55	3.00E-31	NA
CL332147	CH242_10C18	T7	16	79708802	79709044	79.71	8.00E-76	NA
CL332239	CH242_10C18	SP6	16	79894678	79895169	79.89	e-122	NA
CL382829	RP44_325O11	SP6	16	79937787	79938331	79.94	e-127	NA
CL338524	RP44_266K14	T7	16	79961973	79962187	79.96	1.00E-34	NA
CL327257	RP44_245O10	T7	16	80006182	80006257	80.01	1.00E-12	LOC342482
CL384397	RP44_329C9	T7	16	80142387	80142776	80.14	8.00E-21	LOC342484
CL338607	RP44_266K14	SP6	16	80176111	80176661	80.18	6.00E-09	LOC342484
CL414043	RP44_435N16	T7	16	80361781	80361825	80.36	3.00E-06	LOC342487
CL411169	RP44_420F9	T7	16	80548867	80548976	80.55	3.00E-06	FLJ38866
CL413411	RP44_433I10	T7	16	81000447	81001079	81.00	5.00E-24	NA
CL384907	RP44_329N22	T7	16	81130169	81130258	81.13	6.00E-26	GAN
CL367070	RP44_364K9	T7	16	81156618	81156836	81.16	3.00E-33	NA
CL370526	RP44_295P6	T7	16	81948621	81948719	81.95	8.00E-11	LOC350331
CL335434	RP44_253F13	T7	16	82190453	82191044	82.19	9.00E-08	NA
CL350129	RP44_310C8	SP6	16	82374203	82374257	82.37	4.00E-07	LOC350333
CL335509	RP44_253F13	SP6	16	82386135	82386195	82.39	5.00E-06	NA
CL355600	RP44_410A7	T7	16	82402876	82403442	82.40	2.00E-76	CDH13
CL388387	RP44_284P7	SP6	16	82427125	82427176	82.43	7.00E-14	CDH13
CL324656	RP44_476G16	SP6	16	82559505	82559557	82.56	2.00E-08	CDH13
CL339544	RP44_255F20	T7	16	82626167	82626247	82.63	4.00E-13	CDH13
CL383242	RP44_325B2	SP6	16	82627919	82628113	82.63	7.00E-24	CDH13
CL386513	RP44_334C8	SP6	16	82683823	82683879	82.68	2.00E-08	CDH13
CL347353	RP44_272E20	SP6	16	82855515	82855876	82.86	8.00E-55	CDH13
CL386448	RP44_334C8	T7	16	82882364	82882577	82.88	6.00E-46	CDH13
CL361094	RP44_343N21	SP6	16	82966093	82966162	82.97	7.00E-09	CDH13
CL382174	RP44_323J13	T7	16	83180326	83180439	83.18	1.00E-33	CDH13
CL351683	RP44_313I10	T7	16	83611780	83611995	83.61	3.00E-60	NA
CL329585	RP44_394J7	T7	16	84195683	84195740	84.20	1.00E-06	KIAA0703
CL366738	RP44_362P21	SP6	16	84859155	84859697	84.86	1.00E-28	KIAA0513
CL330894	CH242_6G7	T7	16	85127537	85127626	85.13	2.00E-16	LOC350338
CL367836	RP44_372H21	SP6	16	85166748	85166839	85.17	3.00E-19	LOC350338
CL361010	RP44_343J11	T7	16	85330171	85330440	85.33	1.00E-85	LOC286615
CL385502	RP44_330F2	SP6	16	85554678	85554783	85.55	2.00E-23	NOC4
CL323375	RP44_458K5	SP6	16	85554727	85554783	85.55	5.00E-06	NOC4
CL328195	RP44_248M15	SP6	16	86004555	86004849	86.00	9.00E-17	LOC342380
CL387475	RP44_281F3	T7	16	87004143	87004184	87.00	1.00E-06	LOC342387
CL320541	CH242_10H4	T7	16	88961554	88962055	88.96	4.00E-25	CDH15
CL348175	RP44_274M9	T7	16	89488294	89488369	89.49	9.00E-13	C16orf7

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL361471	RP44_350N20	T7	17	198918	198977	0.20	1.00E-05	RPH3AL
CL364656	RP44_398D21	T7	17	299201	299321	0.30	1.00E-13	NA
CL409576	RP44_417P9	T7	17	299201	299321	0.30	8.00E-14	NA
CL337829	RP44_265A12	T7	17	368329	368392	0.37	7.00E-15	NA
CL322830	RP44_437I17	SP6	17	471823	471921	0.47	5.00E-06	FLJ10979
CL378797	RP44_425A1	SP6	17	481501	481619	0.48	3.00E-13	FLJ10979
CL375213	RP44_471M8	T7	17	545704	545749	0.55	1.00E-06	FLJ10979
CL328460	RP44_248D9	SP6	17	721233	721324	0.72	1.00E-07	NXN
CL358509	RP44_414B8	SP6	17	963180	963330	0.96	1.00E-16	ABR
CL349484	RP44_309M16	T7	17	1312243	1312303	1.31	1.00E-10	NA
CL385709	RP44_332A24	T7	17	1568478	1568766	1.57	1.00E-21	MGC14376
CL366696	RP44_362H11	SP6	17	1681881	1682530	1.68	9.00E-36	KIAA1936
CL366621	RP44_362H11	T7	17	1968529	1969234	1.97	2.00E-11	C17orf31
CL327152	RP44_245E13	SP6	17	2119636	2119716	2.12	5.00E-06	C17orf31
CL334218	RP44_251I9	SP6	17	2250774	2250813	2.25	6.00E-08	MNT
CL384635	RP44_329C10	SP6	17	2521988	2522044	2.52	6.00E-06	PAFAH1B1
CL387016	RP44_335I4	T7	17	3316450	3316823	3.32	3.00E-26	NYD-SP20
CL349451	RP44_309G10	T7	17	3675148	3675515	3.68	e-133	HSA277841
CL345016	RP44_279J17	T7	17	3859973	3860089	3.86	4.00E-10	KIAA0399
CL331370	CH242_7H3	T7	17	4035356	4035520	4.04	4.00E-45	ANKFY1
CL320989	CH242_15A12	T7	17	4060094	4060521	4.06	4.00E-34	ANKFY1
CL388834	RP44_285K16	SP6	17	5031941	5032399	5.03	2.00E-76	KIAA1871
CL321105	CH242_15K24	SP6	17	5162086	5162603	5.16	3.00E-17	RAB5EP
CL354710	RP44_408A18	T7	17	5336896	5337276	5.34	e-117	MIS12
CL387218	RP44_281O5	T7	17	5337356	5337605	5.34	1.00E-75	MIS12
CL322122	RP44_399P3	T7	17	5366102	5366157	5.37	7.00E-08	DFCAP
CL368859	RP44_289F14	T7	17	5559216	5559422	5.56	2.00E-57	LOC339165
CL379733	RP44_428A23	SP6	17	5593510	5593726	5.59	7.00E-52	NA
CL379905	RP44_428A24	SP6	17	5593510	5593726	5.59	2.00E-48	NA
CL368943	RP44_289F14	SP6	17	5909437	5909479	5.91	3.00E-07	NA
CL386891	RP44_335O11	T7	17	5964281	5964351	5.96	3.00E-07	KIAA0523
CL386972	RP44_335O11	SP6	17	6196711	6196815	6.20	6.00E-18	NA
CL329684	RP44_394D14	SP6	17	6432364	6432431	6.43	1.00E-12	KIAA0753
CL335602	RP44_253J16	T7	17	6667289	6667490	6.67	2.00E-35	TEKT1
CL350213	RP44_310D9	T7	17	6942898	6942962	6.94	2.00E-08	NA
CL412577	RP44_431E2	T7	17	7034703	7034751	7.03	1.00E-07	NA
CL351188	RP44_312I5	T7	17	7215568	7215616	7.22	3.00E-06	NA
CL412687	RP44_431I2	SP6	17	7258627	7258813	7.26	7.00E-13	NLGN2
CL322310	RP44_404K6	SP6	17	7426856	7426902	7.43	1.00E-09	CD68
CL386863	RP44_335I7	T7	17	7558386	7558859	7.56	7.00E-89	NA
CL330281	CH242_3J7	SP6	17	7610072	7610411	7.61	3.00E-32	NA
CL364705	RP44_398N15	T7	17	7681816	7682295	7.68	7.00E-61	NA
CL366959	RP44_363A19	SP6	17	8283768	8284162	8.28	2.00E-26	NDEL1
CL329001	RP44_382J9	T7	17	8284122	8284812	8.28	2.00E-12	NDEL1
CL370841	RP44_300D21	T7	17	8478655	8479438	8.48	1.00E-12	NA
CL366893	RP44_363A19	T7	17	8480040	8480139	8.48	2.00E-17	NA
CL321411	CH242_20I23	T7	17	8739943	8740026	8.74	8.00E-22	P101-PI3K
CL322018	RP44_399F7	T7	17	8841926	8842131	8.84	2.00E-10	NA
CL353280	RP44_402L17	T7	17	9547488	9547840	9.55	9.00E-35	FLJ30626
CL378227	RP44_423F24	T7	17	9624976	9625032	9.63	7.00E-11	LOC201140
CL413638	RP44_433H10	SP6	17	9723551	9723609	9.72	1.00E-09	GLP2R
CL325928	RP44_242B19	T7	17	10157456	10343498	10.25	4.00E-34	MYH1
CL327427	RP44_245H1	SP6	17	10266917	10266981	10.27	6.00E-11	MYH8
CL325980	RP44_242B19	SP6	17	10350344	10350396	10.35	4.00E-06	MYH1
CL371391	RP44_302F15	SP6	17	11136290	11136433	11.14	6.00E-09	LOC146839
CL372188	RP44_305K23	SP6	17	11333801	11334059	11.33	2.00E-19	LOC342555
CL370072	RP44_293K18	SP6	17	11398270	11398455	11.40	6.00E-24	LOC342556
CL390039	RP44_287L4	SP6	17	11398271	11398455	11.40	2.00E-23	LOC342556
CL368625	RP44_289G8	SP6	17	11409709	11410007	11.41	3.00E-10	LOC284033
CL349796	RP44_309P14	T7	17	11455815	11455949	11.46	4.00E-11	DNAH9
CL369295	RP44_290G24	SP6	17	11580827	11580909	11.58	4.00E-07	DNAH9
CL324577	RP44_475P4	SP6	17	12128739	12128859	12.13	3.00E-28	NA
CL382318	RP44_323H10	SP6	17	13157398	13157439	13.16	7.00E-09	NA
CL368244	RP44_288J10	T7	17	13788596	13788869	13.79	1.00E-25	LOC342560
CL376954	RP44_449O17	T7	17	13960357	13960556	13.96	5.00E-19	COX10

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL322505	RP44_405F3	SP6	17	14054472	14054607	14.05	2.00E-15	COX10
CL348495	RP44_274N18	T7	17	14408494	14409166	14.41	1.00E-16	NA
CL390199	RP44_288I11	SP6	17	14435621	14435865	14.44	8.00E-10	NA
CL375530	RP44_471L20	T7	17	14528067	14528270	14.53	5.00E-46	NA
CL412168	RP44_430B19	T7	17	14650231	14650349	14.65	4.00E-18	NA
CL348570	RP44_274N18	SP6	17	14788974	14789126	14.79	1.00E-25	NA
CL380929	RP44_314L11	T7	17	14788974	14789126	14.79	3.00E-24	NA
CL375604	RP44_471L20	SP6	17	14937773	14937996	14.94	4.00E-06	NA
CL344248	RP44_278O10	T7	17	15439720	18616441	17.03	7.00E-52	C17orf1A
CL349907	RP44_310E17	T7	17	15441109	18615054	17.03	8.00E-35	C17orf1A
CL364980	RP44_400M16	T7	17	15591007	16769297	16.18	3.00E-07	ZNF286
CL358758	RP44_415C2	T7	17	16018025	16018325	16.02	3.00E-44	NCOR1
CL323127	RP44_457D15	SP6	17	16060778	16060928	16.06	1.00E-33	NCOR1
CL351921	RP44_313J1	SP6	17	17657418	17657721	17.66	3.00E-55	SREBF1
CL356512	RP44_411N9	T7	17	18914239	18914267	18.91	4.00E-06	NA
CL324351	RP44_474O14	SP6	17	19168144	19168199	19.17	1.00E-12	EPPB9
CL324350	RP44_474O14	T7	17	19548977	19549045	19.55	2.00E-08	ALDH3A1
CL345477	RP44_280E14	T7	17	20549774	20549847	20.55	7.00E-10	NA
CL345529	RP44_280O12	T7	17	25410051	25410111	25.41	1.00E-10	LOC342655
CL388728	RP44_285E20	T7	17	25979134	25979620	25.98	8.00E-21	NOS2A
CL388803	RP44_285E20	SP6	17	26223526	26223821	26.22	3.00E-11	NLK
CL327458	RP44_245N17	SP6	17	26329829	26330260	26.33	e-163	NLK
CL344802	RP44_279M23	SP6	17	26339750	26340190	26.34	2.00E-77	NLK
CL370412	RP44_295H9	SP6	17	26600839	26600884	26.60	8.00E-07	NA
CL321885	CH242_15O13	T7	17	26708042	26708419	26.71	8.00E-21	WHN
CL370362	RP44_295H9	T7	17	26798597	26798929	26.80	1.00E-45	KIAA0100
CL385193	RP44_330A12	SP6	17	27118766	27119233	27.12	2.00E-33	PF1
CL327113	RP44_245M17	T7	17	27156824	27157298	27.16	2.00E-14	SEZ6
CL340066	RP44_256F4	SP6	17	27572321	27572583	27.57	1.00E-71	KIAA1361
CL380009	RP44_428F21	T7	17	28082402	28082793	28.08	5.00E-37	LOC348245
CL373133	RP44_307H19	SP6	17	28456160	28456653	28.46	1.00E-19	BLMH
CL322812	RP44_437G11	T7	17	28516740	28516811	28.52	1.00E-12	LOC342660
CL355822	RP44_410E18	SP6	17	28910354	30114133	29.51	1.00E-43	JJAZ1
CL381626	RP44_316C7	SP6	17	29000976	29001267	29.00	2.00E-54	CRLF3
CL326133	RP44_243E3	T7	17	29010790	29010833	29.01	2.00E-10	NA
CL369495	RP44_291M8	T7	17	29056888	29056987	29.06	2.00E-29	FLJ12735
CL347079	RP44_272A5	T7	17	29072974	29073231	29.07	1.00E-16	FLJ12735
CL351694	RP44_313K12	T7	17	29515507	29515599	29.52	4.00E-16	NF1
CL359341	RP44_336F3	SP6	17	29698826	29698947	29.70	1.00E-37	RAB11-FIP4
CL359265	RP44_336F3	T7	17	29917589	29917663	29.92	4.00E-07	NA
CL372264	RP44_305L13	T7	17	30015645	30015845	30.02	4.00E-50	NA
CL325297	RP44_241G19	T7	17	30367912	30368344	30.37	3.00E-29	MIRO-1
CL381505	RP44_315N4	SP6	17	30410781	30410830	30.41	2.00E-11	NA
CL346456	RP44_270D22	T7	17	30510018	30510377	30.51	3.00E-42	NJMU-R1
CL356927	RP44_412K16	T7	17	30550630	30550896	30.55	1.00E-12	ZNF207
CL345150	RP44_279F24	T7	17	30552349	30552574	30.55	6.00E-12	ZNF207
CL325362	RP44_241G19	SP6	17	30553752	30554193	30.55	1.00E-43	ZNF207
CL366766	RP44_362H2	T7	17	30553755	30554193	30.55	4.00E-47	ZNF207
CL413566	RP44_433H24	T7	17	32078643	32079054	32.08	5.00E-96	LOC350468
CL357504	RP44_413C14	T7	17	32167348	32167537	32.17	4.00E-47	LOC342610
CL408709	RP44_415P24	T7	17	32891202	32891279	32.89	1.00E-06	LOC342613
CL332340	CH242_10H11	T7	17	33795192	33795436	33.80	2.00E-08	AP2B1
CL381660	RP44_316I17	SP6	17	33869693	33869729	33.87	6.00E-06	AP2B1
CL326743	RP44_244K19	SP6	17	33909413	33909656	33.91	2.00E-18	VTS58635
CL381574	RP44_316I17	T7	17	34011144	34011413	34.01	3.00E-53	TAF15
CL380875	RP44_314B11	T7	17	34019736	34019851	34.02	1.00E-36	TAF15
CL334852	RP44_252A18	T7	17	34023689	34023797	34.02	2.00E-08	NA
CL347002	RP44_271B14	SP6	17	34105751	34105912	34.11	1.00E-18	RAD52B
CL381027	RP44_314P11	SP6	17	34643746	34644136	34.64	e-118	LZK1
CL334780	RP44_252C3	SP6	17	34680489	34680675	34.68	3.00E-15	MGC4172
CL333353	RP44_249M10	SP6	17	34737949	34738201	34.74	1.00E-36	LOC350488
CL352993	RP44_402G1	SP6	17	34887148	34887667	34.89	2.00E-14	LOC350489
CL326974	RP44_244N16	T7	17	35042031	35042145	35.04	1.00E-28	AATF
CL338597	RP44_266I18	SP6	17	35262263	35262313	35.26	3.00E-14	ACACA
CL367114	RP44_364E1	SP6	17	35268081	35268342	35.27	6.00E-39	ACACA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL363014	RP44_383M19	T7	17	35309663	35310041	35.31	2.00E-08	ACACA
CL363180	RP44_383O20	T7	17	35309663	35310041	35.31	7.00E-06	ACACA
CL342359	RP44_262I23	SP6	17	35404216	35404309	35.40	2.00E-11	ACACA
CL342371	RP44_262K23	SP6	17	35521270	35521603	35.52	2.00E-54	TADA2L
CL363258	RP44_383O20	SP6	17	35539102	35539208	35.54	3.00E-16	TADA2L
CL333080	RP44_248L22	SP6	17	35567684	35568056	35.57	e-111	TADA2L
CL379746	RP44_428E1	SP6	17	35816222	35816811	35.82	4.00E-78	TCF2
CL347358	RP44_272G12	SP6	17	36305058	36305525	36.31	3.00E-09	LOC339284
CL440174	RP44_299J22	SP6	17	36332415	36332573	36.33	1.00E-22	NA
CL337957	RP44_265I20	SP6	17	36392035	36392138	36.39	3.00E-17	NA
CL408678	RP44_415L4	T7	17	36534488	36534528	36.53	4.00E-06	KIAA1501
CL326928	RP44_244D6	T7	17	36632281	36632328	36.63	2.00E-10	LOC284105
CL327000	RP44_244D6	SP6	17	36806872	36807041	36.81	1.00E-52	ZNF144
CL332481	CH242_12A21	T7	17	37172497	37172548	37.17	4.00E-08	TEM7
CL378032	RP44_422D16	SP6	17	37221819	37221921	37.22	4.00E-10	NA
CL330782	CH242_4B16	SP6	17	37240892	37241101	37.24	2.00E-23	CACNB1
CL320258	CH242_2D5	T7	17	37261111	37261222	37.26	5.00E-32	CACNB1
CL409185	RP44_416H2	SP6	17	37458006	37458038	37.46	4.00E-06	MGC15482
CL330701	CH242_4B16	T7	17	37478716	37478767	37.48	7.00E-08	PPARBP
CL333691	RP44_250I20	T7	17	37481571	37481935	37.48	9.00E-64	PPARBP
CL370863	RP44_300H21	T7	17	37584260	37584418	37.58	7.00E-20	CRK7
CL372073	RP44_305A21	T7	17	37641769	37641829	37.64	2.00E-08	NA
CL333763	RP44_250I20	SP6	17	37701171	37701220	37.70	4.00E-09	PPP1R1B
CL373173	RP44_307P17	SP6	17	37701171	37701220	37.70	6.00E-09	PPP1R1B
CL409122	RP44_416H2	T7	17	37701171	37701220	37.70	5.00E-09	PPP1R1B
CL370949	RP44_300H21	SP6	17	37777016	37777142	37.78	5.00E-15	ERBB2
CL413651	RP44_433J16	SP6	17	37778498	37778645	37.78	1.00E-43	ERBB2
CL320525	CH242_10F12	T7	17	37786251	37786440	37.79	2.00E-08	ERBB2
CL335731	RP44_254G13	T7	17	37895965	37896700	37.90	2.00E-32	ZNFN1A3
CL383400	RP44_326O2	T7	17	37942156	37943085	37.94	4.00E-10	LOC124626
CL383371	RP44_326I2	T7	17	37942880	37943085	37.94	2.00E-07	LOC124626
CL340436	RP44_257D5	T7	17	38167607	38167950	38.17	4.00E-33	NA
CL388416	RP44_284F6	T7	17	38276169	38276250	38.28	2.00E-06	NA
CL388495	RP44_284F6	SP6	17	38478252	38478555	38.48	2.00E-66	TOP2A
CL345061	RP44_279F1	SP6	17	38478615	38479192	38.48	5.00E-31	TOP2A
CL389160	RP44_286A20	T7	17	38502252	38502313	38.50	6.00E-09	NA
CL379466	RP44_426B6	T7	17	38510413	38510677	38.51	2.00E-92	IGFBP4
CL344181	RP44_278C6	T7	17	38589715	38589934	38.59	9.00E-17	LOC284134
CL367939	RP44_374D21	SP6	17	38607811	38608345	38.61	6.00E-15	NA
CL353379	RP44_402H20	T7	17	38764475	39648295	39.21	2.00E-20	KRT14
CL357543	RP44_413K12	T7	17	38941407	38941670	38.94	2.00E-39	KRT20
CL357556	RP44_413M14	T7	17	38941467	38941670	38.94	2.00E-15	KRT20
CL360448	RP44_339M20	SP6	17	38985041	38985311	38.99	6.00E-06	NA
CL360067	RP44_338L15	SP6	17	38988141	38988241	38.99	1.00E-18	KRT23
CL382357	RP44_323P2	SP6	17	39027209	39552502	39.29	2.00E-39	KRTHA6
CL320254	CH242_2B19	T7	17	39822646	39822814	39.82	9.00E-54	JUP
CL388266	RP44_284H19	T7	17	39892435	39892514	39.89	2.00E-17	MGC20781
CL356755	RP44_412G13	T7	17	39918409	39918876	39.92	e-102	FLJ10572
CL346621	RP44_271E2	T7	17	40010130	40010248	40.01	5.00E-31	DKFZP434H0115
CL331739	CH242_8F21	SP6	17	40063267	40063339	40.06	4.00E-06	DNAJC7
CL382674	RP44_325A1	T7	17	40194700	40194831	40.19	2.00E-20	RAB5C
CL356744	RP44_412E9	T7	17	40758487	40758744	40.76	1.00E-19	CNTNAP1
CL384191	RP44_328L7	SP6	17	40768975	40769697	40.77	2.00E-17	EZH1
CL408438	RP44_415I18	SP6	17	40836680	40836876	40.84	2.00E-32	MGC10540
CL379328	RP44_426F17	T7	17	40837669	40838786	40.84	2.00E-39	MGC10540
CL334873	RP44_252G12	T7	17	40964711	40964824	40.96	2.00E-30	G6PC
CL374017	RP44_469H3	T7	17	40997086	40997199	41.00	6.00E-21	NA
CL379410	RP44_426F17	SP6	17	41045349	41045408	41.05	3.00E-07	DKFZp761H0421
CL382724	RP44_325I19	T7	17	41075394	41075733	41.08	4.00E-13	VAT1
CL382745	RP44_325M19	T7	17	41075394	41075733	41.08	4.00E-13	VAT1
CL328454	RP44_248B13	SP6	17	41994343	41994750	41.99	1.00E-31	MPP2
CL409375	RP44_417O17	SP6	17	42098903	42099375	42.10	6.00E-52	MGC4251
CL328379	RP44_248B13	T7	17	42219101	42219146	42.22	5.00E-09	NA
CL388008	RP44_284A19	SP6	17	42551196	42551232	42.55	5.00E-06	NA
CL369159	RP44_290O19	SP6	17	42585222	42586202	42.59	7.00E-24	NA

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CL414268	RP44_436G12	SP6	17	43113213	43113334	43.11	7.00E-14	FLJ22955
CL331954	CH242_10A7	T7	17	43246891	43247025	43.25	6.00E-15	NA
CL334597	RP44_251L10	T7	17	43711074	44311418	44.01	3.00E-06	DKFZP727C091
CL345144	RP44_279F10	T7	17	44062055	44062115	44.06	3.00E-08	MAPT
CL360209	RP44_338L12	T7	17	44122614	44122799	44.12	3.00E-35	DKFZP727C091
CL334982	RP44_252B9	T7	17	44219638	44219736	44.22	5.00E-06	DKFZP727C091
CL345224	RP44_279F10	SP6	17	44232618	44232800	44.23	6.00E-12	DKFZP727C091
CL327628	RP44_246C4	T7	17	44257392	44257761	44.26	2.00E-06	DKFZP727C091
CL371361	RP44_302P11	T7	17	44257392	44257761	44.26	2.00E-06	DKFZP727C091
CL335910	RP44_254P8	T7	17	45170783	45170863	45.17	6.00E-18	NSF
CL411654	RP44_422D21	T7	17	45255469	45255531	45.26	5.00E-12	LOC350436
CL334666	RP44_251L10	SP6	17	45696392	45696581	45.70	6.00E-18	ITGB3
CL413753	RP44_435O13	T7	17	46097785	46097878	46.10	3.00E-35	KPNB1
CL347273	RP44_272G12	T7	17	46144527	46144797	46.14	6.00E-09	LOC350438
CL387104	RP44_280H22	SP6	17	46255092	46255227	46.26	1.00E-43	MGC16309
CL355076	RP44_409A1	SP6	17	46446345	46446377	46.45	3.00E-06	COPZ2
CL320377	CH242_6H10	T7	17	46468695	46468765	46.47	1.00E-26	NFE2L1
CL373373	RP44_308H13	T7	17	46515143	46515301	46.52	3.00E-16	CBX1
CL358017	RP44_414G21	T7	17	46766362	46767021	46.77	0	SCAP1
CL347243	RP44_272A14	T7	17	46868410	46869439	46.87	2.00E-09	NA
CL389463	RP44_286B14	T7	17	47003336	47003787	47.00	3.00E-23	NA
CL325811	RP44_242C16	T7	17	47312736	47312902	47.31	1.00E-08	ATP5G1
CL379162	RP44_426I11	SP6	17	47419261	47419365	47.42	5.00E-42	IMP-1
CL386168	RP44_333I4	T7	17	47730455	47730524	47.73	1.00E-06	KIAA0924
CL361102	RP44_343P15	SP6	17	47741330	47741422	47.74	5.00E-09	KIAA0924
CL378711	RP44_424P16	SP6	17	47776162	47776263	47.78	1.00E-22	KIAA0924
CL413015	RP44_431J8	SP6	17	47856554	47856617	47.86	4.00E-09	NA
CL361035	RP44_343P15	T7	17	47899274	47899504	47.90	2.00E-06	NA
CL365652	RP44_354M17	SP6	17	48139195	48139354	48.14	7.00E-70	LOC81558
CL412679	RP44_431G10	SP6	17	48198017	48198106	48.20	2.00E-14	LOC81558
CL351114	RP44_311L2	SP6	17	48318047	48318182	48.32	7.00E-60	LOC350441
CL380176	RP44_428F20	T7	17	48370962	48371236	48.37	3.00E-38	NA
CL380265	RP44_428F20	SP6	17	48554265	48554727	48.55	9.00E-60	PPP1R9B
CL334241	RP44_251M21	SP6	17	48554794	48555098	48.55	2.00E-39	PPP1R9B
CL361957	RP44_353G19	SP6	17	48554990	48555098	48.56	3.00E-35	PPP1R9B
CL377506	RP44_449L22	SP6	17	48588527	48588704	48.59	1.00E-54	SGCA
CL359899	RP44_338K1	SP6	17	48638787	48638906	48.64	4.00E-20	NA
CL358221	RP44_414G4	SP6	17	48906835	48906969	48.91	2.00E-21	NA
CL361397	RP44_350O19	SP6	17	48936708	48936895	48.94	9.00E-43	DKFZp434N1415
CL361321	RP44_350O19	T7	17	48936708	48937153	48.94	3.00E-48	DKFZp434N1415
CL358145	RP44_414G4	T7	17	49095481	49095856	49.10	1.00E-06	ABCC3
CL361612	RP44_351A5	SP6	17	49096629	49096758	49.10	9.00E-14	ABCC3
CL361529	RP44_351A5	T7	17	49096629	49096758	49.10	9.00E-14	ABCC3
CL344666	RP44_279A21	T7	17	49112117	49112749	49.11	6.00E-80	NA
CL410240	RP44_418P12	T7	17	49112825	49113646	49.11	3.00E-32	LOC284081
CL365984	RP44_356F4	SP6	17	49469720	49469798	49.47	1.00E-09	SPAG9
CL360470	RP44_339D17	T7	17	49876382	49876652	49.88	6.00E-46	LOC342593
CL333112	RP44_248F14	SP6	17	49896555	49896966	49.90	1.00E-10	LOC342593
CL371975	RP44_304P6	T7	17	50077281	50077513	50.08	6.00E-15	CA10
CL412911	RP44_431H8	T7	17	50102573	50102648	50.10	6.00E-15	CA10
CL369870	RP44_292F14	T7	17	50180744	50180960	50.18	8.00E-33	CA10
CL364828	RP44_400E17	SP6	17	50425120	50425364	50.43	3.00E-20	CA10
CL389302	RP44_286O20	SP6	17	50532955	50533307	50.53	1.00E-28	CA10
CL383623	RP44_326P24	SP6	17	50648202	50648479	50.65	4.00E-13	NA
CL389742	RP44_287M9	SP6	17	51022221	51022499	51.02	4.00E-22	NA
CL335523	RP44_253H23	SP6	17	51552611	51552754	51.55	4.00E-29	NA
CL331446	CH242_7J19	SP6	17	51553444	51553622	51.55	6.00E-53	NA
CL349805	RP44_309B10	SP6	17	51555011	51555089	51.56	4.00E-07	NA
CL349688	RP44_309H23	SP6	17	51555011	51555089	51.56	4.00E-07	NA
CL384413	RP44_329E21	T7	17	51631055	51631331	51.63	1.00E-47	NA
CL347160	RP44_272O17	T7	17	52357232	52357463	52.36	3.00E-08	LOC124664
CL388822	RP44_285I16	SP6	17	52799369	52799586	52.80	1.00E-18	NA
CL357369	RP44_413I11	T7	17	52943459	52943746	52.94	2.00E-71	LOC124667
CL342956	RP44_276K9	T7	17	53272420	53272530	53.27	2.00E-21	NA
CL349721	RP44_309P9	SP6	17	53356685	53357164	53.36	9.00E-54	COX11

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CL352193	RP44_314M21	T7	17	53356961	53357394	53.36	1.00E-19	COX11
CL330999	CH242_603	SP6	17	53510598	53510715	53.51	1.00E-22	NA
CL349642	RP44_309P9	T7	17	53521084	53521215	53.52	3.00E-07	NA
CL322425	RP44_404L6	T7	17	53964296	53964356	53.96	2.00E-08	NA
CL322426	RP44_404L6	SP6	17	54118985	54119069	54.12	2.00E-20	NA
CL356425	RP44_41116	SP6	17	54306960	54307009	54.31	2.00E-07	NA
CL372912	RP44_307116	T7	17	54509762	54509819	54.51	1.00E-06	NA
CL353579	RP44_403O22	T7	17	54680604	54680761	54.68	5.00E-16	FLJ38335
CL329234	RP44_386B6	SP6	17	54740169	54740496	54.74	4.00E-49	FLJ38335
CL348557	RP44_274L8	SP6	17	54747653	54750709	54.75	1.00E-13	FLJ38335
CL344714	RP44_279K19	T7	17	54860182	54860458	54.86	4.00E-38	FLJ38335
CL329233	RP44_386B6	T7	17	54928305	54928399	54.93	6.00E-13	LOC342600
CL336872	RP44_263L23	SP6	17	55176146	55176242	55.18	4.00E-13	NA
CL440134	RP44_299P24	T7	17	55199569	55199978	55.20	1.00E-46	NA
CL342792	RP44_275L12	T7	17	55275786	55275847	55.28	2.00E-06	DGKE
CL351056	RP44_311P14	T7	17	55325075	55325109	55.33	4.00E-07	ZNF147
CL344724	RP44_279M19	T7	17	55603938	55604102	55.60	2.00E-06	LOC350448
CL368180	RP44_288L15	SP6	17	55618205	55618706	55.62	7.00E-18	LOC350448
CL390236	RP44_288O19	SP6	17	55618585	55618706	55.62	4.00E-18	LOC350448
CL385083	RP44_330I11	SP6	17	55618862	55619418	55.62	6.00E-77	LOC350448
CL340980	RP44_258J22	SP6	17	55774318	55774401	55.77	4.00E-07	MSI2
CL356153	RP44_410H4	SP6	17	55824128	55824297	55.82	9.00E-26	MSI2
CL345801	RP44_280D24	T7	17	55949104	55949539	55.95	2.00E-18	MSI2
CL356070	RP44_410H4	T7	17	56009331	56009739	56.01	6.00E-52	MSI2
CL361040	RP44_343B7	SP6	17	56035418	56035536	56.04	6.00E-55	MSI2
CL354146	RP44_405D8	T7	17	56119511	56119688	56.12	1.00E-14	NA
CL351399	RP44_312D8	SP6	17	56229711	56230051	56.23	1.00E-06	LOC342604
CL382498	RP44_324I15	SP6	17	56520773	56520814	56.52	2.00E-06	NA
CL322258	RP44_404E12	T7	17	56704057	56704126	56.70	1.00E-09	NA
CL380008	RP44_428F19	T7	17	56752741	56752839	56.75	3.00E-38	NA
CL321353	CH242_15J18	SP6	17	56767570	56767629	56.77	6.00E-08	SUPT4H1
CL322259	RP44_404E12	SP6	17	56885757	56885837	56.89	2.00E-06	FLJ40311
CL383120	RP44_325J7	SP6	17	56886209	56886378	56.89	2.00E-17	FLJ40311
CL371088	RP44_301G5	SP6	17	56893168	56893299	56.89	1.00E-29	FLJ40311
CL329342	RP44_386P2	T7	17	56947525	56947833	56.95	4.00E-10	PNUTL2
CL326462	RP44_243N5	SP6	17	57498975	57499105	57.50	2.00E-57	TRIM37
CL411848	RP44_430C21	SP6	17	57525528	57526000	57.53	3.00E-54	TRIM37
CL386512	RP44_334C6	SP6	17	57556927	57557015	57.56	4.00E-10	LOC348235
CL409051	RP44_416H13	T7	17	57746758	57746995	57.75	9.00E-26	NA
CL413406	RP44_433G22	T7	17	57758552	57758712	57.76	9.00E-21	LOC284162
CL346492	RP44_270L8	T7	17	58141161	58141209	58.14	6.00E-06	VMP1
CL354306	RP44_406G5	SP6	17	58160428	58160528	58.16	5.00E-11	VMP1
CL344818	RP44_279A16	T7	17	58247261	58247321	58.25	1.00E-15	VMP1
CL328199	RP44_248M23	SP6	17	58266216	58266289	58.27	1.00E-12	NA
CL366715	RP44_362L11	SP6	17	58515354	58515401	58.52	8.00E-08	NA
CL380950	RP44_314P11	T7	17	58631826	60709254	59.67	9.00E-13	NY-REN-60
CL364718	RP44_398P21	T7	17	58770447	58770487	58.77	7.00E-06	NY-REN-60
CL364800	RP44_400A5	SP6	17	58916948	58917046	58.92	2.00E-12	APPBP2
CL323775	RP44_459F21	T7	17	59012327	59012473	59.01	1.00E-24	NA
CL355710	RP44_410O3	SP6	17	59096835	59097207	59.10	e-113	BCAS3
CL328707	RP44_370L4	T7	17	59460692	59461011	59.46	2.00E-14	BCAS3
CL329980	CH242_3O21	SP6	17	59624415	59624670	59.62	2.00E-55	BCAS3
CL330234	CH242_3P23	T7	17	60016603	60016654	60.02	4.00E-09	NA
CL386364	RP44_333P20	T7	17	60212486	60212837	60.21	7.00E-06	BRIP1
CL354571	RP44_407O10	SP6	17	60256947	60257290	60.26	3.00E-08	BRIP1
CL359651	RP44_337A16	T7	17	60291417	60291685	60.29	8.00E-73	KIAA1287
CL349861	RP44_309N6	SP6	17	60310694	60311082	60.31	e-112	KIAA1287
CL378564	RP44_424J3	SP6	17	60330653	60330892	60.33	9.00E-76	KIAA1287
CL370405	RP44_295F13	SP6	17	60331017	60331190	60.33	4.00E-09	KIAA1287
CL371356	RP44_302P1	T7	17	60493592	60493728	60.49	1.00E-06	NA
CL387729	RP44_282E23	SP6	17	60509431	60509985	60.51	4.00E-53	LOC350453
CL387708	RP44_282A23	SP6	17	60509480	60509985	60.51	6.00E-49	LOC350453
CL366516	RP44_362A4	SP6	17	60617565	60617645	60.62	3.00E-08	NA
CL354951	RP44_408F11	SP6	17	61168436	61168755	61.17	1.00E-64	FLJ35757
CL340583	RP44_257F24	T7	17	61178703	61178735	61.18	5.00E-06	FLJ35757

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL341851	RP44_261O8	T7	17	61199281	61199390	61.20	1.00E-25	FLJ35757
CL347118	RP44_272G17	T7	17	61361022	61361075	61.36	1.00E-06	LOC350454
CL370397	RP44_295D7	SP6	17	61378257	61379967	61.38	2.00E-20	LOC350454
CL366737	RP44_362P19	SP6	17	61537594	61538325	61.54	7.00E-06	LOC350455
CL366886	RP44_362P20	SP6	17	61537594	61538325	61.54	7.00E-06	LOC350455
CL378540	RP44_424D1	SP6	17	61687279	61687783	61.69	5.00E-12	NA
CL363340	RP44_383D11	SP6	17	61734611	61734713	61.73	5.00E-19	NA
CL365403	RP44_353F8	T7	17	61784499	61784816	61.78	2.00E-33	DKFZP564D166
CL359898	RP44_338I23	SP6	17	62055648	62055978	62.06	1.00E-19	MAP3K3
CL346462	RP44_270F12	T7	17	62085590	62085701	62.09	9.00E-08	MAP3K3
CL375929	RP44_441O24	T7	17	62243716	62243893	62.24	3.00E-35	FTSJ3
CL350982	RP44_311P21	SP6	17	62416877	62416964	62.42	1.00E-12	FLJ11724
CL340057	RP44_256D2	SP6	17	62493449	62493532	62.49	3.00E-10	ERN1
CL348635	RP44_275K13	T7	17	62619054	62619303	62.62	5.00E-31	HTO08
CL376474	RP44_444B24	T7	17	62678902	62679242	62.68	5.00E-19	HTO08
CL376428	RP44_444F11	T7	17	62916069	62916168	62.92	4.00E-23	DDX5
CL335983	RP44_254P6	SP6	17	62921270	62921328	62.92	4.00E-07	LOC90799
CL340970	RP44_258H22	SP6	17	63457429	63457954	63.46	6.00E-09	GNA13
CL338750	RP44_267G15	SP6	17	63645540	63645604	63.65	4.00E-18	NA
CL382128	RP44_323B5	T7	17	63792549	63792826	63.79	3.00E-26	LOC339176
CL382171	RP44_323J5	T7	17	63792549	63792827	63.79	1.00E-26	LOC339176
CL338670	RP44_267G15	T7	17	63861420	63861683	63.86	4.00E-07	LOC254039
CL345142	RP44_279F6	T7	17	64049209	64049318	64.05	1.00E-18	MGC33887
CL384545	RP44_329A2	T7	17	64126977	64127173	64.13	1.00E-16	MGC33887
CL347121	RP44_272G23	T7	17	64259232	64259835	64.26	e-129	MGC33887
CL333663	RP44_250C6	T7	17	64526795	64526839	64.53	1.00E-10	MGC33887
CL379121	RP44_426A23	SP6	17	64689407	64689534	64.69	7.00E-15	NA
CL356815	RP44_412E1	SP6	17	64817361	64817526	64.82	1.00E-06	PRKCA
CL341095	RP44_259C22	SP6	17	64902546	64902800	64.90	3.00E-69	PRKCA
CL341021	RP44_259C22	T7	17	65098514	65098643	65.10	1.00E-12	PRKCA
CL382602	RP44_324P7	T7	17	65367406	65367879	65.37	6.00E-37	NA
CL344334	RP44_278B3	T7	17	65584503	65584574	65.58	4.00E-10	HELZ
CL411300	RP44_420P7	SP6	17	65615307	65615868	65.62	1.00E-07	HELZ
CL412024	RP44_430G2	SP6	17	65615307	65615868	65.62	1.00E-07	HELZ
CL327783	RP44_246D3	T7	17	66028923	66029081	66.03	1.00E-12	RDGBB
CL340189	RP44_257O1	T7	17	66065735	66065892	66.07	3.00E-35	RDGBB
CL368348	RP44_289A17	T7	17	66102168	66102366	66.10	6.00E-06	RDGBB
CL326158	RP44_243I19	T7	17	66844095	66844331	66.84	3.00E-13	KIAA1001
CL377109	RP44_449K22	T7	17	67076056	67076145	67.08	1.00E-13	NA
CL372012	RP44_304F20	SP6	17	67152462	67152592	67.15	6.00E-12	LOC342495
CL375036	RP44_471K17	T7	17	67415342	67415445	67.42	1.00E-19	ABCA8
CL361016	RP44_343L7	T7	17	67415342	67415523	67.42	2.00E-24	ABCA8
CL361080	RP44_343L7	SP6	17	67492769	67662295	67.58	3.00E-38	ABCA10
CL344436	RP44_278D15	SP6	17	67521079	67521538	67.52	7.00E-15	ABCA9
CL378325	RP44_423P4	SP6	17	67880031	67880105	67.88	3.00E-07	MAP2K6
CL371116	RP44_301M15	SP6	17	67996312	67996365	68.00	1.00E-06	MAP2K6
CL334260	RP44_251A24	T7	17	68002908	68003031	68.00	3.00E-20	MAP2K6
CL345869	RP44_269E2	T7	17	68012525	68012787	68.01	1.00E-28	NA
CL345887	RP44_269I2	T7	17	68012525	68012787	68.01	1.00E-28	NA
CL378266	RP44_423P4	T7	17	68069558	68069971	68.07	4.00E-19	NA
CL356760	RP44_412I7	T7	17	68251156	68251364	68.25	7.00E-18	NA
CL358584	RP44_414P22	SP6	17	68306290	68306354	68.31	6.00E-12	NA
CL327717	RP44_246E12	SP6	17	68452913	68453421	68.45	9.00E-67	LOC342498
CL340809	RP44_258F1	SP6	17	68453105	68453509	68.45	7.00E-64	LOC342498
CL330238	CH242_3B9	SP6	17	68546141	68546373	68.55	4.00E-07	KCNJ16
CL369031	RP44_290G3	T7	17	68619780	68620040	68.62	1.00E-34	NA
CL340728	RP44_258F1	T7	17	68629300	68629556	68.63	9.00E-51	NA
CL378434	RP44_424G10	SP6	17	68629451	68629971	68.63	1.00E-37	NA
CL378444	RP44_424I10	SP6	17	68629451	68630029	68.63	6.00E-46	NA
CL410462	RP44_419C4	T7	17	68639684	68639845	68.64	3.00E-18	KCNJ2
CL321198	CH242_15F19	SP6	17	68657614	68657692	68.66	2.00E-09	NA
CL342399	RP44_262A12	T7	17	68849233	68849542	68.85	7.00E-08	LOC350375
CL322651	RP44_416G4	T7	17	68855270	68855758	68.86	2.00E-98	LOC350375
CL389191	RP44_286G22	T7	17	69021490	69021632	69.02	1.00E-28	LOC204579
CL322652	RP44_416G4	SP6	17	69086971	69087256	69.09	8.00E-08	LOC204579

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL389267	RP44_286G22	SP6	17	69211426	69211616	69.21	8.00E-55	NA
CL321951	CH242_15L22	T7	17	69348740	69348902	69.35	1.00E-09	LOC342500
CL361098	RP44_343P7	SP6	17	69367478	69367861	69.37	e-127	LOC342500
CL440044	RP44_299K16	T7	17	69477431	69477491	69.48	6.00E-11	LOC342500
CL359454	RP44_336N2	T7	17	69844392	69845022	69.84	4.00E-35	NA
CL410879	RP44_420G17	T7	17	69937402	69937949	69.94	6.00E-10	NA
CL320478	CH242_10B10	SP6	17	69937402	69938131	69.94	1.00E-16	NA
CL410961	RP44_420G17	SP6	17	69937402	69938131	69.94	1.00E-16	NA
CL336055	RP44_255O5	T7	17	69946260	69946845	69.95	6.00E-49	NA
CL320726	CH242_13I1	SP6	17	70025527	70025592	70.03	2.00E-06	NA
CL347544	RP44_272N3	SP6	17	70056234	70056412	70.06	9.00E-45	NA
CL352517	RP44_401C16	SP6	17	70133639	70133866	70.13	2.00E-49	NA
CL336139	RP44_255O5	SP6	17	70163283	70163391	70.16	8.00E-30	NA
CL322140	RP44_404A1	SP6	17	70174475	70174675	70.17	7.00E-24	NA
CL352456	RP44_401C16	T7	17	70342970	70343032	70.34	3.00E-07	LOC350376
CL360632	RP44_340J2	T7	17	70378607	70379011	70.38	9.00E-42	NA
CL342195	RP44_261H24	SP6	17	70465167	70465502	70.47	e-101	NA
CL333065	RP44_248J4	SP6	17	70580994	70581251	70.58	2.00E-54	NA
CL342117	RP44_261H24	T7	17	70643603	70644067	70.64	2.00E-57	NA
CL409498	RP44_417I22	SP6	17	70679081	70679127	70.68	7.00E-12	NA
CL369807	RP44_292E22	T7	17	70694342	70694394	70.69	6.00E-06	NA
CL363350	RP44_383F11	SP6	17	70708126	70708182	70.71	4.00E-06	NA
CL380736	RP44_429N19	T7	17	70720499	70720940	70.72	4.00E-44	NA
CL409422	RP44_417I22	T7	17	70751743	70751792	70.75	6.00E-09	NA
CL332844	CH242_12F13	T7	17	70802971	70803280	70.80	3.00E-28	NA
CL369733	RP44_292E22	SP6	17	70924171	70924267	70.92	3.00E-20	LOC91547
CL409103	RP44_416B16	T7	17	71858668	71859043	71.86	3.00E-57	SDK2
CL409168	RP44_416B16	SP6	17	72039288	72039379	72.04	2.00E-08	LOC339150
CL371431	RP44_302N11	SP6	17	72149135	72149264	72.15	7.00E-17	NA
CL377657	RP44_457I21	SP6	17	72344737	72344817	72.34	1.00E-18	LOC342506
CL382959	RP44_325K6	SP6	17	72504662	72504716	72.50	4.00E-07	LOC350382
CL376454	RP44_444N3	T7	17	72635803	72635848	72.64	8.00E-13	LOC342508
CL382882	RP44_325K6	T7	17	72751378	72751439	72.75	9.00E-14	DNAI2
CL408658	RP44_415H10	T7	17	73324165	73324215	73.32	1.00E-09	FDXR
CL348022	RP44_273N2	T7	17	73472771	73472985	73.47	4.00E-08	ICT1
CL359783	RP44_338C21	T7	17	73480727	73480926	73.48	3.00E-41	ICT1
CL349842	RP44_309J8	SP6	17	74308790	74308858	74.31	3.00E-13	WBP2
CL334833	RP44_252M17	SP6	17	74532665	74532796	74.53	3.00E-29	SRP68
CL321897	CH242_15B16	T7	17	75202128	75202401	75.20	5.00E-58	ET
CL384679	RP44_329M2	SP6	17	76049288	76049617	76.05	e-154	NA
CL379065	RP44_426G15	T7	17	76109543	76109579	76.11	5.00E-06	LOC342517
CL360529	RP44_339B7	SP6	17	76225299	76225439	76.23	8.00E-30	LOC342517
CL360785	RP44_341P4	T7	17	77328052	77328172	77.33	2.00E-32	TIMP2
CL351131	RP44_311N18	SP6	17	77650167	77650755	77.65	e-105	NA
CL378080	RP44_422P14	SP6	17	77907033	77907179	77.91	4.00E-32	NA
CL381334	RP44_315J21	SP6	17	78365140	78365215	78.37	6.00E-12	LOC350474
CL356970	RP44_412E6	SP6	17	78379395	78379459	78.38	2.00E-06	NA
CL325133	RP44_479M7	SP6	17	78457077	78457166	78.46	5.00E-12	NA
CL361981	RP44_353O1	SP6	17	78620791	78621010	78.62	7.00E-39	FLJ20753
CL359287	RP44_336J13	T7	17	79768393	79768530	79.77	1.00E-30	FLJ31528
CL368720	RP44_289J11	T7	18	563872	563909	0.56	1.00E-06	LOC350495
CL359462	RP44_336P4	T7	18	609209	609365	0.61	3.00E-35	CLUL1
CL360787	RP44_341P8	T7	18	892550	892634	0.89	2.00E-20	NA
CL364655	RP44_398D19	T7	18	907123	907229	0.91	4.00E-07	NA
CL323332	RP44_458E23	T7	18	984575	984668	0.98	1.00E-06	LOC342830
CL337329	RP44_264I2	SP6	18	1018717	1018809	1.02	2.00E-08	NA
CL385688	RP44_332M11	SP6	18	1018717	1018809	1.02	1.00E-08	NA
CL365841	RP44_356A13	SP6	18	1069840	1070194	1.07	3.00E-14	NA
CL364996	RP44_400A12	SP6	18	1179186	1179336	1.18	2.00E-17	NA
CL323333	RP44_458E23	SP6	18	1339996	1340182	1.34	4.00E-07	C18orf2
CL331556	CH242_8A5	SP6	18	1477241	1477389	1.48	2.00E-15	LOC350497
CL411233	RP44_420D1	SP6	18	1732447	1732491	1.73	6.00E-06	LOC342833
CL328506	RP44_248N7	SP6	18	2031333	2031473	2.03	3.00E-23	LOC342834
CL383281	RP44_325H12	SP6	18	2128018	2128111	2.13	2.00E-18	LOC342836
CL326836	RP44_244O10	T7	18	2351439	2351888	2.35	6.00E-15	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL382337	RP44_323L8	SP6	18	2524965	2525004	2.52	1.00E-07	NA
CL352051	RP44_313B6	SP6	18	2530876	2531060	2.53	2.00E-15	FLJ23017
CL335786	RP44_254C13	SP6	18	2830497	2830755	2.83	1.00E-30	NA
CL370932	RP44_300F11	SP6	18	2903052	2903163	2.90	2.00E-24	EMILIN-2
CL370954	RP44_300J11	SP6	18	2903052	2903163	2.90	2.00E-24	EMILIN-2
CL336092	RP44_255E17	SP6	18	2921278	2921852	2.92	4.00E-41	LPIN2
CL412332	RP44_430D20	SP6	18	3031934	3032031	3.03	3.00E-14	LOC342839
CL412251	RP44_430D20	T7	18	3209899	3211929	3.21	3.00E-29	LOC342840
CL387184	RP44_281G17	T7	18	3212517	3212585	3.21	1.00E-10	LOC342840
CL339464	RP44_268J6	SP6	18	3477345	3477542	3.48	7.00E-14	NA
CL322535	RP44_405H23	T7	18	3725645	3725739	3.73	6.00E-08	DLGAP1
CL385751	RP44_332K18	T7	18	3822299	3822381	3.82	2.00E-06	DLGAP1
CL339212	RP44_268F21	T7	18	4044887	4044958	4.04	4.00E-10	NA
CL338957	RP44_268G21	T7	18	4044888	4044958	4.04	1.00E-09	NA
CL329798	RP44_394P10	SP6	18	4224129	4224656	4.22	9.00E-79	NA
CL360827	RP44_341L20	SP6	18	4374843	4375285	4.38	7.00E-27	NA
CL343018	RP44_276G5	SP6	18	4400314	4400353	4.40	4.00E-10	NA
CL389877	RP44_287G16	SP6	18	4446220	4446611	4.45	3.00E-56	LOC350500
CL439852	RP44_297N18	T7	18	4720041	4720085	4.72	6.00E-06	LOC350501
CL331645	CH242_8D7	T7	18	5006846	5006964	5.01	3.00E-07	LOC201412
CL352222	RP44_314E7	SP6	18	5283226	5283324	5.28	6.00E-28	ZFP161
CL325127	RP44_479M1	SP6	18	5303206	5303287	5.30	6.00E-21	NA
CL337230	RP44_264C12	T7	18	5445846	5446104	5.45	6.00E-09	EPB41L3
CL351556	RP44_313A5	SP6	18	5529831	5530504	5.53	7.00E-40	EPB41L3
CL382777	RP44_325E1	SP6	18	5574800	5574947	5.57	1.00E-06	EPB41L3
CL369079	RP44_290O17	T7	18	5812647	5813135	5.81	2.00E-27	NA
CL369158	RP44_290O17	SP6	18	6042661	6042804	6.04	7.00E-15	FLJ35936
CL338681	RP44_267I19	T7	18	6096454	6096644	6.10	1.00E-40	FLJ35936
CL381491	RP44_315J12	SP6	18	6102829	6103142	6.10	9.00E-42	FLJ35936
CL322362	RP44_404D4	T7	18	6963009	6963233	6.96	1.00E-39	LAMA1
CL352188	RP44_314M9	T7	18	7477871	7478031	7.48	2.00E-30	NA
CL331158	CH242_6N13	SP6	18	7749477	7749549	7.75	6.00E-06	PTPRM
CL375492	RP44_471D22	T7	18	7839585	7839713	7.84	2.00E-08	PTPRM
CL351811	RP44_313D5	T7	18	7896438	7896591	7.90	1.00E-32	PTPRM
CL327438	RP44_245J13	SP6	18	8367225	8367336	8.37	2.00E-09	PTPRM
CL323847	RP44_459N7	T7	18	8450260	8450484	8.45	3.00E-10	NA
CL365720	RP44_355N17	T7	18	8811456	8811511	8.81	1.00E-19	KIAA0802
CL344137	RP44_278K3	SP6	18	9108448	9108740	9.11	7.00E-45	NDUFV2
CL372860	RP44_306P2	SP6	18	9141386	9141548	9.14	6.00E-09	KIAA0874
CL379973	RP44_428O2	SP6	18	9254670	9254762	9.25	2.00E-08	KIAA0874
CL411170	RP44_420F11	T7	18	9632642	9632729	9.63	6.00E-08	LOC342686
CL343836	RP44_277G24	SP6	18	9964627	9964724	9.96	4.00E-07	NA
CL331603	CH242_8K1	SP6	18	10493734	10493790	10.49	7.00E-06	NA
CL344161	RP44_278O9	SP6	18	10740076	10740199	10.74	4.00E-22	NA
CL411140	RP44_420O12	SP6	18	10740076	10740199	10.74	4.00E-20	NA
CL365390	RP44_353B24	T7	18	10989750	10989888	10.99	4.00E-07	LOC350512
CL381101	RP44_314N24	T7	18	11239204	11239565	11.24	2.00E-06	NA
CL351511	RP44_313I1	T7	18	11239472	11239565	11.24	1.00E-06	NA
CL342109	RP44_261H4	T7	18	12356967	12357016	12.36	2.00E-11	AFG3L2
CL339504	RP44_269C8	T7	18	12454862	12454964	12.45	2.00E-09	Spir-1
CL345871	RP44_269E6	T7	18	12454862	12454964	12.45	1.00E-09	Spir-1
CL345938	RP44_269C8	SP6	18	12710652	12714628	12.71	6.00E-40	HCCA3
CL345948	RP44_269E6	SP6	18	12710652	12714628	12.71	5.00E-40	HCCA3
CL339943	RP44_256J1	SP6	18	12972541	12972695	12.97	4.00E-28	SEC13L
CL384537	RP44_329O7	SP6	18	13062288	13062349	13.06	1.00E-06	FLJ10352
CL342017	RP44_261B1	SP6	18	13656353	13656717	13.66	2.00E-58	MGC24180
CL387902	RP44_283I21	SP6	18	13731990	13732576	13.73	4.00E-56	RNMT
CL368366	RP44_289E5	T7	18	13749676	13750204	13.75	2.00E-12	RNMT
CL411118	RP44_420K6	SP6	18	18540000	18540061	18.54	1.00E-09	ROCK1
CL347271	RP44_272G8	T7	18	18578252	18578428	18.58	3.00E-14	ROCK1
CL332531	CH242_12K9	T7	18	18725479	18725629	18.73	3.00E-26	FLJ13687
CL356849	RP44_412K23	SP6	18	18726841	18727108	18.73	6.00E-27	FLJ13687
CL363596	RP44_388P14	T7	18	18992907	18993300	18.99	2.00E-33	NA
CL410372	RP44_419K13	T7	18	19173184	19173379	19.17	7.00E-09	KIAA1323
CL384355	RP44_328L8	SP6	18	19288662	19288690	19.29	6.00E-06	KIAA1323

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL369519	RP44_291C8	SP6	18	19411816	19411872	19.41	1.00E-08	LOC350524
CL373105	RP44_307D7	SP6	18	19494452	19494824	19.49	5.00E-49	NA
CL377951	RP44_422P13	SP6	18	19671602	19671880	19.67	4.00E-53	NA
CL349170	RP44_308L22	T7	18	19924379	19924488	19.92	3.00E-23	NA
CL385039	RP44_330M21	T7	18	20171015	20171343	20.17	7.00E-09	LOC342740
CL321848	CH242_15I9	T7	18	20450249	20450350	20.45	3.00E-07	RBBP8
CL376023	RP44_443A15	T7	18	20457998	20458145	20.46	3.00E-25	RBBP8
CL354319	RP44_406K7	SP6	18	20528250	20528421	20.53	3.00E-37	LOC350526
CL379673	RP44_428G7	T7	18	21053944	21054303	21.05	1.00E-06	NPC1
CL345583	RP44_280I18	SP6	18	21283363	21283535	21.28	2.00E-46	LOC201382
CL334713	RP44_252E11	T7	18	21536049	21536171	21.54	1.00E-09	FLJ33761
CL361858	RP44_353A15	T7	18	22318990	22319402	22.32	3.00E-78	LOC342743
CL322720	RP44_416M12	SP6	18	22455249	22455495	22.46	3.00E-74	LOC342745
CL379880	RP44_428M12	T7	18	22480618	22481082	22.48	4.00E-47	NA
CL329785	RP44_394N20	T7	18	22535479	22536002	22.54	6.00E-52	EHZF
CL379967	RP44_428M12	SP6	18	22648506	22649012	22.65	1.00E-52	EHZF
CL413388	RP44_433E8	T7	18	22701641	22702063	22.70	e-110	EHZF
CL360631	RP44_340H24	T7	18	22703763	22703870	22.70	8.00E-39	EHZF
CL332742	CH242_12A18	SP6	18	22778093	22778356	22.78	2.00E-46	EHZF
CL329786	RP44_394N20	SP6	18	22779535	22779836	22.78	4.00E-65	EHZF
CL414210	RP44_436K12	T7	18	22860160	22860710	22.86	8.00E-64	LOC350528
CL360704	RP44_340H24	SP6	18	22884844	22885058	22.88	8.00E-97	LOC350528
CL413475	RP44_433E8	SP6	18	22904463	22904660	22.90	7.00E-67	NA
CL371633	RP44_304K18	T7	18	23068708	23068744	23.07	5.00E-06	NA
CL339499	RP44_269A18	T7	18	23108643	23109131	23.11	1.00E-19	NA
CL345933	RP44_269A18	SP6	18	23336884	23337245	23.34	1.00E-16	NA
CL327716	RP44_246E10	SP6	18	23506599	23506683	23.51	5.00E-23	SS18
CL325524	RP44_241L11	SP6	18	23603080	23603616	23.60	5.00E-59	MGC26605
CL364385	RP44_396O14	SP6	18	23893689	23893750	23.89	1.00E-06	LOC342693
CL334482	RP44_251B7	SP6	18	24044513	24045010	24.04	7.00E-15	NA
CL364304	RP44_396O14	T7	18	24123311	24123728	24.12	5.00E-43	LOC350531
CL334409	RP44_251B7	T7	18	24224806	24225302	24.23	1.00E-13	LOC350532
CL323224	RP44_457F22	SP6	18	24241742	24241931	24.24	5.00E-13	LOC350532
CL338683	RP44_267I23	T7	18	24258283	24258313	24.26	3.00E-07	NA
CL387417	RP44_281I2	SP6	18	24409790	24410119	24.41	3.00E-11	CHST9
CL356593	RP44_411B20	T7	18	24593574	24593770	24.59	1.00E-15	CHST9
CL355151	RP44_409A24	T7	18	24620006	24620257	24.62	6.00E-27	CHST9
CL343915	RP44_277J13	T7	18	24718076	24718639	24.72	4.00E-13	LOC350533
CL408850	RP44_416M7	T7	18	24797802	24797864	24.80	4.00E-07	LOC342696
CL343370	RP44_276J19	SP6	18	24807293	24807399	24.81	2.00E-21	LOC342696
CL358130	RP44_414C6	T7	18	24807293	24807399	24.81	1.00E-21	LOC342696
CL355226	RP44_409A24	SP6	18	24812058	24812562	24.81	1.00E-07	LOC342696
CL327860	RP44_246F13	SP6	18	24961740	24961786	24.96	2.00E-07	LOC342698
CL337335	RP44_264I14	SP6	18	25009337	25009455	25.01	2.00E-14	LOC342698
CL354470	RP44_407G4	T7	18	25251162	25251234	25.25	8.00E-10	NA
CL382188	RP44_323N3	T7	18	25259741	25259783	25.26	4.00E-07	NA
CL367344	RP44_367K14	T7	18	25278356	25282657	25.28	2.00E-06	NA
CL367422	RP44_367K14	SP6	18	25469971	25470012	25.47	2.00E-06	CDH2
CL349888	RP44_310A19	T7	18	25720087	25720626	25.72	8.00E-67	NA
CL358150	RP44_414G16	T7	18	25809655	25809870	25.81	2.00E-58	NA
CL333338	RP44_249G16	SP6	18	25810615	25810715	25.81	1.00E-15	NA
CL385320	RP44_330N15	T7	18	26142992	26143544	26.14	3.00E-69	LOC342699
CL372173	RP44_305G21	SP6	18	26155111	26155184	26.16	4.00E-12	LOC342699
CL322257	RP44_404E10	SP6	18	26238182	26238246	26.24	2.00E-08	LOC342699
CL339139	RP44_268E8	SP6	18	26478104	26478184	26.48	4.00E-13	NA
CL340681	RP44_257L8	SP6	18	27329088	27329328	27.33	1.00E-28	LOC350536
CL408641	RP44_415D10	T7	18	27471303	27471914	27.47	8.00E-21	NA
CL369850	RP44_292O24	T7	18	27565070	27565160	27.57	6.00E-09	NA
CL373264	RP44_308A12	SP6	18	27633892	51744093	39.69	1.00E-07	STARD6
CL382475	RP44_324E15	SP6	18	27894901	27894946	27.89	1.00E-06	NA
CL335074	RP44_252D5	SP6	18	28049923	41348289	34.70	9.00E-11	NA
CL334989	RP44_252D5	T7	18	28268784	28269058	28.27	2.00E-12	LOC350538
CL333387	RP44_249F10	T7	18	28410998	28411201	28.41	2.00E-36	NA
CL367894	RP44_374J3	T7	18	28500139	28500238	28.50	1.00E-19	DSC3
CL410270	RP44_418F14	SP6	18	28534691	28535077	28.53	6.00E-18	NA

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CL348553	RP44_274J22	SP6	18	28543932	28544019	28.54	4.00E-10	DSC2
CL410187	RP44_418F14	T7	18	28711306	28711576	28.71	2.00E-09	NA
CL348891	RP44_275K24	SP6	18	28743758	28743994	28.74	7.00E-06	NA
CL388873	RP44_285F2	T7	18	28806256	28806416	28.81	2.00E-29	DSG1
CL374677	RP44_470F5	T7	18	28826162	28826479	28.83	2.00E-49	NA
CL344291	RP44_278G20	SP6	18	28826942	28827222	28.83	5.00E-49	NA
CL344614	RP44_278H20	SP6	18	28826942	28827227	28.83	2.00E-49	NA
CL359448	RP44_336L14	T7	18	28848475	28848925	28.85	2.00E-42	DSG4
CL338972	RP44_268M5	T7	18	28868547	28868989	28.87	5.00E-68	DSG4
CL328851	RP44_373J18	SP6	18	28941026	28941288	28.94	1.00E-16	DSG3
CL361156	RP44_344L18	T7	18	29004213	29004394	29.00	4.00E-28	DSG2
CL352986	RP44_402E3	SP6	18	29148854	29148910	29.15	6.00E-06	B4GALT6
CL383837	RP44_327O24	T7	18	29508889	29509255	29.51	e-102	FLJ20456
CL350142	RP44_310E18	SP6	18	29540896	29540961	29.54	2.00E-11	NA
CL350153	RP44_310G18	SP6	18	29540896	29540961	29.54	2.00E-11	NA
CL343027	RP44_276I1	SP6	18	29712992	29713109	29.71	3.00E-23	LOC348283
CL326804	RP44_244G24	T7	18	29854083	29854567	29.85	e-124	FLJ21610
CL343989	RP44_277L7	SP6	18	29917972	29918322	29.92	5.00E-28	FLJ21610
CL369653	RP44_292C15	SP6	18	29918074	29918322	29.92	6.00E-27	FLJ21610
CL375191	RP44_471I10	T7	18	29957792	29957941	29.96	4.00E-16	NA
CL375277	RP44_471I10	SP6	18	29977388	29977512	29.98	4.00E-16	NA
CL364555	RP44_396L16	T7	18	30139426	30139515	30.14	5.00E-21	NA
CL322761	RP44_437A21	T7	18	30201383	30201471	30.20	2.00E-06	KIAA1384
CL346369	RP44_270D13	SP6	18	30242058	30242421	30.24	2.00E-63	NA
CL347297	RP44_272K24	T7	18	30251426	30251499	30.25	2.00E-06	LOC342707
CL345133	RP44_279D12	T7	18	30257541	30257788	30.26	1.00E-62	LOC342707
CL345183	RP44_279N14	T7	18	30267691	30267767	30.27	3.00E-08	LOC342707
CL353689	RP44_403L19	T7	18	30274879	30275105	30.27	4.00E-38	LOC342707
CL384091	RP44_328F17	T7	18	30347236	30347639	30.35	1.00E-10	NA
CL334219	RP44_251I11	SP6	18	30350310	30350558	30.35	2.00E-29	NA
CL390210	RP44_288K9	SP6	18	30401017	30401107	30.40	1.00E-14	LOC147396
CL341169	RP44_260E13	SP6	18	30442196	30442308	30.44	8.00E-11	NA
CL364954	RP44_400G16	T7	18	30514856	30515140	30.51	1.00E-18	NA
CL339852	RP44_256F13	T7	18	30519185	30519680	30.52	e-134	NA
CL412573	RP44_431C18	T7	18	30637279	30637499	30.64	8.00E-74	NA
CL388685	RP44_285M7	SP6	18	30692109	30692314	30.69	1.00E-49	LOC342710
CL388699	RP44_285O15	SP6	18	30692109	30692381	30.69	6.00E-65	LOC342710
CL378995	RP44_425I18	SP6	18	30702651	30702736	30.70	1.00E-06	LOC342710
CL347968	RP44_273B8	T7	18	30749161	30749459	30.75	5.00E-19	LOC342710
CL371082	RP44_301E15	SP6	18	30802635	30802837	30.80	8.00E-14	LOC342710
CL371100	RP44_301I15	SP6	18	30802635	30802837	30.80	5.00E-14	LOC342710
CL325008	RP44_478P12	T7	18	30840706	30840796	30.84	4.00E-10	LOC342710
CL388610	RP44_285M7	T7	18	30913597	30913817	30.91	1.00E-10	NA
CL388624	RP44_285O15	T7	18	30913597	30913817	30.91	1.00E-10	NA
CL348193	RP44_274A5	SP6	18	31041016	31041338	31.04	e-108	NA
CL348117	RP44_274A5	T7	18	31199852	31200045	31.20	1.00E-80	LOC147354
CL365359	RP44_400L4	T7	18	31305801	31305991	31.31	2.00E-36	LOC342711
CL368755	RP44_289B1	SP6	18	31491008	31491567	31.49	2.00E-15	NOL4
CL320503	CH242_10D14	T7	18	31493649	31493729	31.49	3.00E-20	NOL4
CL333938	RP44_250P19	SP6	18	31518139	31518338	31.52	7.00E-30	NOL4
CL381175	RP44_314N2	SP6	18	31591975	31592041	31.59	2.00E-09	NOL4
CL368674	RP44_289B1	T7	18	31634248	31634299	31.63	6.00E-06	NOL4
CL408640	RP44_415D6	T7	18	31740981	31741041	31.74	3.00E-08	LOC342712
CL376276	RP44_443N19	SP6	18	31752003	31752087	31.75	2.00E-21	NA
CL375503	RP44_471F24	T7	18	31924871	31924919	31.92	6.00E-06	NA
CL356799	RP44_412A11	SP6	18	32017316	32017394	32.02	3.00E-07	DTNA
CL366348	RP44_358J22	T7	18	32068499	32068734	32.07	1.00E-07	DTNA
CL362403	RP44_377M6	T7	18	32112250	32112723	32.11	3.00E-26	DTNA
CL362402	RP44_377M4	T7	18	32112250	32112835	32.11	1.00E-50	DTNA
CL370763	RP44_300C15	SP6	18	32171890	32171953	32.17	9.00E-08	DTNA
CL356725	RP44_412A11	T7	18	32183187	32183290	32.18	5.00E-10	DTNA
CL349242	RP44_308L14	SP6	18	32231877	32231945	32.23	2.00E-08	DTNA
CL341639	RP44_261E5	T7	18	32231877	32231945	32.23	2.00E-08	DTNA
CL368224	RP44_288F12	T7	18	32231884	32231945	32.23	1.00E-06	DTNA
CL362482	RP44_377M4	SP6	18	32279893	32280074	32.28	9.00E-73	DTNA

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CL377819	RP44_457I12	SP6	18	32430095	32430260	32.43	4.00E-15	NA
CL341713	RP44_261E1	SP6	18	32447213	32447274	32.45	2.00E-06	MAPRE2
CL326191	RP44_243A11	SP6	18	32535528	32536970	32.54	9.00E-14	MAPRE2
CL341637	RP44_261E1	T7	18	32629280	32629399	32.63	1.00E-07	LOC342713
CL359719	RP44_337C10	SP6	18	32904971	32905076	32.91	1.00E-09	NA
CL342131	RP44_261L8	T7	18	32962853	32962959	32.96	2.00E-11	LOC125476
CL337061	RP44_264A19	T7	18	33373263	33373842	33.37	3.00E-54	NA
CL332311	CH242_10B11	T7	18	33412470	33412510	33.41	7.00E-06	NA
CL409547	RP44_417F17	T7	18	33446171	33446293	33.45	5.00E-12	PNAS-131
CL332394	CH242_10B11	SP6	18	33597286	33597368	33.60	5.00E-09	LIV-1
CL332780	CH242_12I6	SP6	18	33844193	33844284	33.84	6.00E-15	NA
CL376432	RP44_444F21	T7	18	33885808	33885878	33.89	5.00E-12	NA
CL332350	CH242_10J11	T7	18	33978916	33979208	33.98	3.00E-17	NA
CL412409	RP44_431C3	T7	18	33991535	33991913	33.99	2.00E-06	KIAA1695
CL332692	CH242_12I6	T7	18	33994247	33994826	33.99	5.00E-31	KIAA1695
CL381262	RP44_315N3	T7	18	34095762	34095798	34.10	2.00E-08	KIAA1695
CL412490	RP44_431C3	SP6	18	34156303	34156484	34.16	6.00E-43	KIAA1695
CL412836	RP44_431F9	SP6	18	34713104	34713446	34.71	9.00E-81	BRUNOL4
CL411784	RP44_430G19	T7	18	34714067	34714698	34.71	5.00E-90	BRUNOL4
CL411950	RP44_430G18	T7	18	34714123	34714698	34.71	1.00E-56	BRUNOL4
CL409094	RP44_416P19	T7	18	34843922	34844066	34.84	1.00E-37	BRUNOL4
CL350389	RP44_310H6	T7	18	34902072	34902197	34.90	9.00E-08	BRUNOL4
CL351566	RP44_313C5	SP6	18	35000874	35001051	35.00	1.00E-32	BRUNOL4
CL350468	RP44_310H6	SP6	18	35040379	35040561	35.04	3.00E-39	NA
CL332391	CH242_10B3	SP6	18	35097445	35097493	35.10	6.00E-06	LOC342718
CL350851	RP44_311H9	T7	18	35137184	35137392	35.14	2.00E-21	NA
CL377917	RP44_422H11	SP6	18	35164381	35164559	35.16	5.00E-67	NA
CL367924	RP44_374P11	T7	18	35181387	35181462	35.18	1.00E-07	LOC342719
CL332308	CH242_10B3	T7	18	35242856	35242929	35.24	6.00E-15	LOC342719
CL350933	RP44_311H9	SP6	18	35265163	35265412	35.27	2.00E-45	LOC342719
CL324599	RP44_476A18	SP6	18	35265169	35265412	35.27	2.00E-45	LOC342719
CL320247	CH242_2022	T7	18	35317858	35318253	35.32	3.00E-22	LOC342719
CL357497	RP44_413A24	T7	18	35403296	35403479	35.40	3.00E-33	LOC342719
CL352582	RP44_401D11	T7	18	35568853	35568988	35.57	3.00E-23	NA
CL368824	RP44_289N19	SP6	18	36016689	36016938	36.02	1.00E-10	NA
CL414012	RP44_435D14	T7	18	36065449	36065508	36.07	4.00E-15	NA
CL347103	RP44_272E7	T7	18	36096211	36096275	36.10	6.00E-06	NA
CL384881	RP44_329H20	T7	18	36158407	36158514	36.16	2.00E-22	LOC342720
CL386591	RP44_334F23	T7	18	36165226	36165375	36.17	4.00E-35	NA
CL352823	RP44_401D6	SP6	18	36178521	36178680	36.18	6.00E-34	NA
CL439999	RP44_299O14	SP6	18	36226711	36227284	36.23	0	NA
CL327350	RP44_245D17	T7	18	36238694	36238949	36.24	8.00E-99	NA
CL347178	RP44_272E7	SP6	18	36273418	36273625	36.27	6.00E-09	LOC342721
CL338595	RP44_266I14	SP6	18	36277297	36277363	36.28	4.00E-07	LOC342721
CL327484	RP44_246C3	T7	18	36351187	36351456	36.35	7.00E-12	LOC342721
CL349662	RP44_309D13	SP6	18	36407183	36407332	36.41	2.00E-11	LOC342721
CL411377	RP44_421L14	T7	18	36427905	36428001	36.43	7.00E-08	LOC342721
CL330990	CH242_6K19	SP6	18	36432406	36432734	36.43	4.00E-38	LOC342721
CL368655	RP44_289M10	SP6	18	36512945	36513158	36.51	2.00E-80	NA
CL325284	RP44_241E13	T7	18	36582164	36582252	36.58	3.00E-10	NA
CL386845	RP44_335E11	T7	18	36583366	36583420	36.58	2.00E-09	NA
CL322396	RP44_404H14	T7	18	36810351	36810581	36.81	4.00E-24	NA
CL339088	RP44_268I20	T7	18	36824620	36824947	36.82	e-125	LOC342723
CL322397	RP44_404H14	SP6	18	36989024	36989231	36.99	7.00E-08	LOC342724
CL343112	RP44_276G18	T7	18	36989024	36989270	36.99	5.00E-13	LOC342724
CL349643	RP44_309P13	T7	18	36996121	37000167	37.00	e-128	LOC342724
CL413407	RP44_433G24	T7	18	37720125	37720239	37.72	5.00E-19	LOC350543
CL364483	RP44_396J5	SP6	18	37828489	37828876	37.83	e-120	NA
CL323948	RP44_463A20	T7	18	38011460	38011552	38.01	6.00E-18	LOC350545
CL383393	RP44_326M4	T7	18	38172677	38173275	38.17	e-101	NA
CL346544	RP44_270F10	SP6	18	38322555	38322698	38.32	1.00E-31	NA
CL383466	RP44_326M4	SP6	18	38322555	38322698	38.32	1.00E-31	NA
CL385257	RP44_330O6	SP6	18	38322555	38322698	38.32	7.00E-24	NA
CL364970	RP44_400K14	T7	18	38323265	38323581	38.32	2.00E-29	NA
CL339244	RP44_268N1	T7	18	38351420	38351478	38.35	2.00E-09	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL359751	RP44_337K22	SP6	18	38375907	38376128	38.38	2.00E-52	NA
CL374916	RP44_470D14	SP6	18	38375936	38376128	38.38	1.00E-37	NA
CL410426	RP44_419G17	SP6	18	38496671	38497066	38.50	1.00E-62	LOC339293
CL336256	RP44_255H9	SP6	18	38606653	38606713	38.61	7.00E-06	NA
CL378334	RP44_423P24	SP6	18	38606653	38606713	38.61	6.00E-06	NA
CL345245	RP44_279J20	SP6	18	38846049	38846673	38.85	4.00E-72	NA
CL344103	RP44_278C11	SP6	18	38846050	38846673	38.85	6.00E-71	NA
CL325989	RP44_242F3	SP6	18	38886502	38886838	38.89	4.00E-96	LOC147510
CL325936	RP44_242F3	T7	18	39054374	39054683	39.05	e-116	NA
CL370860	RP44_300H15	T7	18	39117907	39118172	39.12	2.00E-14	NA
CL342660	RP44_262D19	SP6	18	39142358	39142961	39.14	0	NA
CL329724	RP44_394H18	SP6	18	39331499	39331695	39.33	1.00E-34	NA
CL331503	CH242_8G11	T7	18	39365591	39365672	39.37	2.00E-15	NA
CL378828	RP44_425E21	SP6	18	39397302	39397355	39.40	1.00E-07	NA
CL329723	RP44_394H18	T7	18	39472823	39472993	39.47	5.00E-49	PIK3C3
CL372251	RP44_305J9	T7	18	39625996	39626061	39.63	8.00E-21	NA
CL387558	RP44_281D23	SP6	18	39767130	39767237	39.77	4.00E-22	LOC284260
CL344303	RP44_278K4	SP6	18	39980013	39980055	39.98	1.00E-09	LOC284260
CL369731	RP44_292E18	SP6	18	40219454	40219565	40.22	1.00E-10	RIT2
CL365949	RP44_356L8	T7	18	40509779	40509868	40.51	2.00E-16	RIT2
CL337814	RP44_265O3	SP6	18	41588620	41588690	41.59	4.00E-07	NA
CL336737	RP44_263O24	SP6	18	41998564	41998617	42.00	6.00E-09	LOC342733
CL334502	RP44_251F11	SP6	18	42425486	42425935	42.43	3.00E-35	SETBP1
CL343480	RP44_276P12	T7	18	42695814	42695854	42.70	7.00E-06	LOC342734
CL412395	RP44_430P18	SP6	18	42842810	42843736	42.84	2.00E-09	NA
CL358519	RP44_414D8	SP6	18	42959537	42959702	42.96	4.00E-12	LOC284263
CL354010	RP44_405I17	SP6	18	43010430	43010688	43.01	6.00E-21	NA
CL372677	RP44_306L5	SP6	18	43040565	43040731	43.04	1.00E-10	NA
CL382874	RP44_325I14	T7	18	43360492	43360623	43.36	2.00E-24	KIAA1632
CL339880	RP44_256L11	T7	18	43458672	43458730	43.46	2.00E-06	PSTPIP2
CL337096	RP44_264I7	T7	18	43730114	43730534	43.73	4.00E-13	MGC12909
CL366553	RP44_362G22	SP6	18	43731548	43732094	43.73	1.00E-47	MGC12909
CL412745	RP44_431D9	T7	18	43732958	43733263	43.73	1.00E-99	MGC12909
CL344131	RP44_278I11	SP6	18	44078031	44078090	44.08	1.00E-10	NA
CL381158	RP44_314J14	SP6	18	44332102	44332208	44.33	1.00E-28	MIZ1
CL333422	RP44_249L16	T7	18	44469966	44470054	44.47	6.00E-18	NA
CL333500	RP44_249L16	SP6	18	44644797	44645245	44.65	e-145	NA
CL377095	RP44_449I14	T7	18	44692489	44692633	44.69	1.00E-42	NA
CL377104	RP44_449K12	T7	18	44692489	44692633	44.69	8.00E-43	NA
CL377084	RP44_449G14	T7	18	44692491	44692837	44.69	2.00E-41	NA
CL327140	RP44_245C11	SP6	18	44839995	44840102	44.84	2.00E-24	LOC342818
CL377170	RP44_449G14	SP6	18	44847202	44847403	44.85	4.00E-19	LOC342818
CL377182	RP44_449I14	SP6	18	44847202	44847403	44.85	4.00E-19	LOC342818
CL357077	RP44_412L23	T7	18	45245908	45245993	45.25	8.00E-10	NA
CL351834	RP44_313H11	T7	18	45347657	45347859	45.35	1.00E-59	LOC350550
CL345189	RP44_279P2	T7	18	45347662	45347859	45.35	5.00E-49	LOC350550
CL336121	RP44_255K9	SP6	18	45747978	45748107	45.75	2.00E-30	NA
CL371591	RP44_304C2	T7	18	45747978	45748107	45.75	4.00E-28	NA
CL345349	RP44_280K9	T7	18	46223007	46223492	46.22	3.00E-23	KIAA0427
CL326582	RP44_243H10	SP6	18	46485698	46486053	46.49	6.00E-27	FLJ20071
CL325701	RP44_242C17	T7	18	47596119	47596358	47.60	4.00E-37	NA
CL368842	RP44_289B16	T7	18	47875121	47875290	47.88	9.00E-22	LOC348287
CL328542	RP44_248D16	T7	18	47883457	47883895	47.88	2.00E-24	LOC348287
CL341607	RP44_260N20	SP6	18	48137164	48137329	48.14	4.00E-28	MAPK4
CL320643	CH242_13A7	T7	18	48255314	48256090	48.26	3.00E-11	NA
CL320644	CH242_13A7	SP6	18	48402282	48402327	48.40	2.00E-06	ELAC1
CL354624	RP44_408M1	T7	18	48589053	48589136	48.59	4.00E-27	LOC51320
CL361474	RP44_350P8	T7	18	48589343	48589984	48.59	e-130	LOC51320
CL337229	RP44_264C10	T7	18	48615953	48616065	48.62	5.00E-14	NA
CL409563	RP44_417J21	T7	18	48931428	48931730	48.93	3.00E-53	LOC350555
CL363386	RP44_383N19	SP6	18	48960395	48973820	48.97	5.00E-18	NA
CL381229	RP44_315F19	T7	18	48966535	48966588	48.97	1.00E-06	NA
CL357780	RP44_413J21	SP6	18	49326848	49326958	49.33	1.00E-12	LOC339309
CL338073	RP44_265B9	SP6	18	49346606	49346880	49.35	1.00E-55	LOC339309
CL338272	RP44_265J2	SP6	18	49346606	49346881	49.35	5.00E-56	LOC339309

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CL331529	CH242_8K19	T7	18	49571451	49571501	49.57	3.00E-07	NA
CL364701	RP44_398N7	T7	18	49664296	49664473	49.66	6.00E-21	NA
CL364194	RP44_396I9	SP6	18	49988611	49988972	49.99	3.00E-78	DCC
CL379739	RP44_428C11	SP6	18	49988730	49988956	49.99	3.00E-67	DCC
CL353563	RP44_403M8	T7	18	50226066	50226237	50.23	1.00E-31	DCC
CL379435	RP44_426L5	SP6	18	50231805	50231846	50.23	5.00E-09	DCC
CL414328	RP44_436D11	T7	18	50269081	50269347	50.27	1.00E-22	DCC
CL334943	RP44_252G18	SP6	18	50366009	50366105	50.37	4.00E-13	DCC
CL336973	RP44_263B4	SP6	18	50398155	50398308	50.40	4.00E-44	DCC
CL326641	RP44_244E17	T7	18	50478911	50479426	50.48	1.00E-37	DCC
CL334876	RP44_252G18	T7	18	50508283	50508612	50.51	4.00E-19	DCC
CL332006	CH242_10K1	T7	18	50519201	50519380	50.52	5.00E-34	DCC
CL320327	CH242_6B8	SP6	18	50677879	51001284	50.84	3.00E-16	DCC
CL338863	RP44_267A12	SP6	18	50815200	50815300	50.82	6.00E-15	DCC
CL368420	RP44_289O7	T7	18	50844522	50844795	50.84	1.00E-10	DCC
CL336418	RP44_262P18	T7	18	50861604	50861676	50.86	3.00E-08	DCC
CL388347	RP44_284H13	SP6	18	51213680	51213931	51.21	2.00E-10	NA
CL368592	RP44_289O20	T7	18	51315711	51315771	51.32	8.00E-11	NA
CL323435	RP44_458A4	SP6	18	51316652	51317301	51.32	2.00E-12	NA
CL323434	RP44_458A4	T7	18	51482744	51482849	51.48	6.00E-09	NA
CL351843	RP44_313J9	T7	18	51567714	51567819	51.57	7.00E-12	NA
CL382712	RP44_325G17	T7	18	51569232	51569677	51.57	e-169	MBD2
CL386905	RP44_335A19	SP6	18	51569234	51569677	51.57	e-169	MBD2
CL386385	RP44_333F8	SP6	18	51569246	51569727	51.57	e-160	MBD2
CL348509	RP44_274B10	SP6	18	51575663	51575844	51.58	1.00E-06	MBD2
CL383379	RP44_326I18	T7	18	51583067	51583122	51.58	4.00E-10	MBD2
CL321969	CH242_15P16	T7	18	51584030	51584245	51.58	7.00E-12	MBD2
CL337248	RP44_264G4	T7	18	51589006	51589146	51.59	4.00E-25	MBD2
CL408540	RP44_415P17	T7	18	51637954	51638278	51.64	6.00E-45	MBD2
CL386830	RP44_335A19	T7	18	51688276	51688457	51.69	5.00E-59	POLI
CL386304	RP44_333F8	T7	18	51706176	51706621	51.71	2.00E-92	POLI
CL408626	RP44_415P17	SP6	18	51822066	51822180	51.82	3.00E-17	NA
CL339227	RP44_268J5	T7	18	52047914	52047978	52.05	6.00E-06	FLJ39106
CL366028	RP44_358A16	T7	18	52332863	52333189	52.33	5.00E-55	RAB27B
CL328043	RP44_246N4	SP6	18	52593811	52593984	52.59	4.00E-59	NA
CL382408	RP44_324I3	T7	18	52618315	52618734	52.62	3.00E-26	NA
CL363507	RP44_388L23	SP6	18	52631823	52632057	52.63	6.00E-43	NA
CL339028	RP44_268K3	SP6	18	52638614	52639095	52.64	3.00E-20	NA
CL411800	RP44_430K5	T7	18	52708083	52708193	52.71	4.00E-13	TCF4
CL387003	RP44_335E14	T7	18	52709986	52710456	52.71	3.00E-23	TCF4
CL337216	RP44_264O23	SP6	18	52780864	52781272	52.78	6.00E-21	TCF4
CL355293	RP44_409O16	SP6	18	52789431	52790089	52.79	4.00E-81	TCF4
CL363441	RP44_388L23	T7	18	52795559	52796047	52.80	1.00E-31	TCF4
CL327962	RP44_246N4	T7	18	52798053	52798240	52.80	5.00E-06	TCF4
CL320814	CH242_13B19	SP6	18	52871228	52871677	52.87	4.00E-47	TCF4
CL411883	RP44_430K5	SP6	18	52916473	52916897	52.92	3.00E-63	TCF4
CL355628	RP44_410I13	T7	18	52953035	52953099	52.95	4.00E-23	TCF4
CL327318	RP44_245M10	SP6	18	52993407	52993443	52.99	6.00E-06	TCF4
CL377381	RP44_449B8	T7	18	53082295	53082633	53.08	2.00E-55	TCF4
CL321722	CH242_13B19	T7	18	53099659	53099805	53.10	3.00E-17	NA
CL387760	RP44_282M13	SP6	18	53218811	53218923	53.22	5.00E-06	NA
CL385462	RP44_330L24	T7	18	53320988	53321074	53.32	8.00E-12	NA
CL413979	RP44_435J9	T7	18	53488378	53488472	53.49	1.00E-05	NA
CL409113	RP44_416D24	T7	18	53614512	53614714	53.61	7.00E-59	LOC342770
CL364516	RP44_396B10	T7	18	53677529	53677683	53.68	5.00E-24	LOC342770
CL365411	RP44_353H2	T7	18	53688945	53688994	53.69	1.00E-06	LOC342770
CL409056	RP44_416H23	T7	18	54285822	54285890	54.29	4.00E-06	WDR7
CL383649	RP44_327G3	T7	18	54316492	54316986	54.32	4.00E-93	WDR7
CL360261	RP44_339K9	T7	18	54399173	54399479	54.40	3.00E-14	WDR7
CL362510	RP44_380A23	T7	18	54444188	54444454	54.44	3.00E-53	WDR7
CL339797	RP44_256I19	SP6	18	54445545	54446103	54.45	e-113	WDR7
CL386532	RP44_334G4	SP6	18	54454801	54455163	54.45	e-132	WDR7
CL362722	RP44_380B23	SP6	18	54603121	54603353	54.60	3.00E-37	NA
CL355323	RP44_409F17	T7	18	54646260	54646650	54.65	3.00E-87	LOC350572
CL352754	RP44_401F10	T7	18	54824072	54824354	54.82	6.00E-75	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL356500	RP44_411J19	T7	18	54831206	54831244	54.83	4.00E-07	NA
CL355403	RP44_409F17	SP6	18	54840199	54840612	54.84	2.00E-08	NA
CL366054	RP44_358G10	T7	18	54938322	54938704	54.94	e-131	NA
CL366116	RP44_358G10	SP6	18	55065822	55065911	55.07	6.00E-21	NARS
CL373827	RP44_469A14	T7	18	55255202	55255524	55.26	3.00E-69	LOC342776
CL345246	RP44_279J22	SP6	18	55711765	55711808	55.71	1.00E-07	NEDD4L
CL352030	RP44_313N2	T7	18	55785867	55786184	55.79	2.00E-24	NEDD4L
CL380178	RP44_428H2	T7	18	55867744	55867849	55.87	1.00E-09	LOC342778
CL365843	RP44_356A17	SP6	18	55895055	55895250	55.90	1.00E-09	LOC342778
CL368694	RP44_289D21	T7	18	55967192	55967305	55.97	2.00E-30	HAK
CL411813	RP44_430M13	T7	18	56059607	56059702	56.06	7.00E-15	NA
CL368773	RP44_289D21	SP6	18	56163431	56163960	56.16	1.00E-28	MALT1
CL338022	RP44_265H13	T7	18	56271424	56271525	56.27	1.00E-28	LOC350573
CL361831	RP44_351L15	SP6	18	56487896	56488060	56.49	4.00E-13	LOC342780
CL373617	RP44_457J22	T7	18	56487993	56488060	56.49	6.00E-08	LOC342780
CL322074	RP44_399J21	T7	18	57181362	57181535	57.18	3.00E-26	NA
CL321858	CH242_15K5	T7	18	57289029	57289099	57.29	2.00E-09	NA
CL352418	RP44_401K1	SP6	18	57335948	57336202	57.34	6.00E-10	NA
CL320917	CH242_15E7	SP6	18	57551904	57551993	57.55	3.00E-14	NA
CL371737	RP44_304B15	T7	18	57806370	57806572	57.81	1.00E-10	NA
CL386853	RP44_335G3	T7	18	57870121	57870221	57.87	2.00E-08	NA
CL321825	CH242_15E7	T7	18	57953396	57953454	57.95	1.00E-06	NA
CL335748	RP44_254K15	T7	18	57955555	57955750	57.96	2.00E-18	NA
CL354944	RP44_408D17	SP6	18	58458785	58459028	58.46	4.00E-65	NA
CL354857	RP44_408D17	T7	18	58651982	58652081	58.65	2.00E-15	LOC350577
CL342611	RP44_262L1	T7	18	58714728	58714805	58.71	2.00E-06	LOC350577
CL350787	RP44_311I24	SP6	18	58753317	58753391	58.75	6.00E-06	LOC350577
CL366547	RP44_362G10	SP6	18	58769881	58770113	58.77	1.00E-25	LOC350577
CL342433	RP44_262G18	T7	18	58796662	58796893	58.80	2.00E-36	NA
CL360099	RP44_338B10	SP6	18	58921237	58921491	58.92	6.00E-55	LOC350578
CL374009	RP44_469F7	T7	18	58941140	58941529	58.94	4.00E-13	NA
CL342512	RP44_262G18	SP6	18	58981980	58982085	58.98	2.00E-23	CDH20
CL374095	RP44_469F7	SP6	18	59090131	59090199	59.09	2.00E-08	LOC342788
CL367037	RP44_364C17	T7	18	59261735	59262260	59.26	1.00E-40	NA
CL340423	RP44_257O20	SP6	18	59261907	59262260	59.26	3.00E-38	NA
CL381525	RP44_315P24	SP6	18	59560208	59560264	59.56	2.00E-13	PIGN
CL365113	RP44_400J15	T7	18	59600398	59600531	59.60	2.00E-30	PIGN
CL345921	RP44_269O10	T7	18	59670615	59671223	59.67	2.00E-06	KIAA1468
CL365152	RP44_400B3	SP6	18	59672359	59672772	59.67	3.00E-20	KIAA1468
CL383706	RP44_327E1	SP6	18	59757492	59757907	59.76	e-132	KIAA1468
CL374885	RP44_470N6	T7	18	59757920	59758432	59.76	e-139	KIAA1468
CL322230	RP44_404A24	T7	18	59779954	59780049	59.78	4.00E-06	TNFRSF11A
CL332616	CH242_12G23	SP6	18	59800572	59800614	59.80	7.00E-12	TNFRSF11A
CL386756	RP44_334N22	T7	18	59849880	59849992	59.85	5.00E-25	LOC342791
CL365070	RP44_400B3	T7	18	59890969	59891074	59.89	1.00E-13	LOC348293
CL355499	RP44_409L14	T7	18	59947397	59947426	59.95	1.00E-06	NA
CL338585	RP44_266G14	SP6	18	60067231	60067742	60.07	3.00E-66	NA
CL387285	RP44_281M11	SP6	18	60290944	60291123	60.29	8.00E-61	PLEKHE1
CL370945	RP44_300H13	SP6	18	60291407	60292320	60.29	1.00E-25	PLEKHE1
CL344438	RP44_278D19	SP6	18	60347777	60348039	60.35	1.00E-37	PLEKHE1
CL370859	RP44_300H13	T7	18	60506348	60506414	60.51	1.00E-16	NA
CL335365	RP44_253C8	SP6	18	60597740	60597784	60.60	4.00E-06	BCL2
CL335490	RP44_253B13	SP6	18	60696996	60697565	60.70	3.00E-32	BCL2
CL354664	RP44_408G11	SP6	18	60703354	60703390	60.70	6.00E-06	BCL2
CL414072	RP44_435F12	SP6	18	60883794	60883927	60.88	2.00E-10	LOC348295
CL387777	RP44_283A3	T7	18	60897469	60897809	60.90	7.00E-33	LOC348295
CL344960	RP44_279M18	SP6	18	60955527	60955796	60.96	9.00E-88	SERPINB5
CL366559	RP44_362I16	SP6	18	61409959	61410006	61.41	5.00E-15	LOC284293
CL334306	RP44_251K22	T7	18	61709855	61709999	61.71	2.00E-18	LOC284294
CL361587	RP44_351K21	T7	18	61850049	61850559	61.85	1.00E-10	LOC284294
CL366252	RP44_358F17	SP6	18	62454088	62454577	62.45	e-123	NA
CL357100	RP44_412B1	SP6	18	62490415	62490726	62.49	3.00E-66	NA
CL353718	RP44_403D13	SP6	18	62683998	62684111	62.68	4.00E-22	NA
CL336868	RP44_263L13	SP6	18	63114187	63114378	63.11	1.00E-10	LOC350581
CL374763	RP44_470F13	SP6	18	63293439	63293587	63.29	4.00E-31	CDH7

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL377796	RP44_457E4	SP6	18	63394875	63395358	63.40	7.00E-18	NA
CL412788	RP44_431L21	T7	18	63709557	63710087	63.71	1.00E-25	LOC342793
CL323421	RP44_458O9	SP6	18	63839301	63839734	63.84	7.00E-39	NA
CL323420	RP44_458O9	T7	18	64114927	64115363	64.12	e-107	NA
CL325142	RP44_479M19	SP6	18	64386926	64386966	64.39	5.00E-06	NA
CL364912	RP44_400O9	T7	18	64416116	64416160	64.42	2.00E-06	LOC342794
CL409109	RP44_416D12	T7	18	64583652	64583931	64.58	2.00E-73	NA
CL386665	RP44_334H5	SP6	18	64585265	64585478	64.59	2.00E-20	NA
CL350243	RP44_310J17	T7	18	64732244	64732848	64.73	9.00E-42	LOC253567
CL414052	RP44_435P14	T7	18	64857482	64857563	64.86	2.00E-11	NA
CL350449	RP44_310D6	SP6	18	64921399	64921476	64.92	3.00E-11	NA
CL350439	RP44_310B6	SP6	18	64921430	64921476	64.92	4.00E-07	NA
CL379741	RP44_428C15	SP6	18	65019851	65020057	65.02	5.00E-07	LOC342795
CL377602	RP44_457O9	T7	18	65104364	65104616	65.10	3.00E-10	LOC350584
CL378900	RP44_425E2	T7	18	65364827	65364879	65.36	5.00E-06	LOC342798
CL413058	RP44_432A23	T7	18	65365401	65365749	65.37	1.00E-07	LOC342798
CL439874	RP44_297B24	SP6	18	65370670	65370759	65.37	1.00E-13	LOC342798
CL411035	RP44_420G6	T7	18	65382445	65382528	65.38	7.00E-08	LOC342798
CL339474	RP44_268L4	SP6	18	65527217	65527275	65.53	4.00E-07	NA
CL411105	RP44_420G6	SP6	18	65640520	65640609	65.64	2.00E-18	NA
CL332055	CH242_10C15	SP6	18	65647368	65647413	65.65	8.00E-14	NA
CL339397	RP44_268L4	T7	18	65725828	65725940	65.73	3.00E-17	NA
CL331969	CH242_10C15	T7	18	65865201	65865279	65.87	4.00E-07	LOC342801
CL342139	RP44_261L24	T7	18	66269546	66269627	66.27	2.00E-18	NA
CL439900	RP44_297H14	SP6	18	66392427	66392728	66.39	4.00E-16	FLJ23594
CL439818	RP44_297H14	T7	18	66574296	66574487	66.57	2.00E-09	LOC342802
CL347132	RP44_272K5	T7	18	66620450	66620634	66.62	1.00E-38	LOC342802
CL362750	RP44_380J3	SP6	18	66658457	66658556	66.66	1.00E-06	NA
CL328448	RP44_248P21	T7	18	66663259	66663432	66.66	4.00E-07	NA
CL344772	RP44_279I5	SP6	18	66914642	66914931	66.91	3.00E-70	LOC147329
CL383232	RP44_325N22	T7	18	66981837	66981879	66.98	5.00E-07	LOC342804
CL408783	RP44_415P6	SP6	18	67051929	67052555	67.05	3.00E-48	MGC20785
CL338294	RP44_265L24	SP6	18	671167902	671168255	67.17	1.00E-10	MGC20785
CL365736	RP44_355B23	SP6	18	67170693	67170757	67.17	1.00E-08	MGC20785
CL384767	RP44_329N23	T7	18	67170693	67171117	67.17	3.00E-08	MGC20785
CL377988	RP44_422J4	T7	18	67171042	67171117	67.17	5.00E-06	MGC20785
CL331732	CH242_8F7	SP6	18	67685910	67686120	67.69	1.00E-15	LOC342806
CL366823	RP44_362D6	SP6	18	67948030	67948075	67.95	2.00E-06	NA
CL367105	RP44_364C7	SP6	18	67948725	67949008	67.95	2.00E-30	NA
CL387307	RP44_281C6	T7	18	68009488	68009903	68.01	1.00E-96	NA
CL367032	RP44_364C7	T7	18	68137221	68139060	68.14	1.00E-19	NA
CL353587	RP44_403C4	SP6	18	68462154	68462336	68.46	1.00E-16	LOC339307
CL338416	RP44_266E11	SP6	18	68568451	68568806	68.57	2.00E-09	NA
CL382117	RP44_323O8	SP6	18	68704095	68704319	68.70	4.00E-41	LOC342809
CL357484	RP44_413O15	SP6	18	68711844	68712111	68.71	7.00E-21	NA
CL339209	RP44_268F13	T7	18	68830169	68830291	68.83	2.00E-17	NA
CL382033	RP44_323O8	T7	18	68907136	68907196	68.91	2.00E-06	LOC350585
CL343686	RP44_277I11	SP6	18	68910239	68910308	68.91	2.00E-06	LOC350585
CL322969	RP44_437M4	T7	18	68914069	68914375	68.91	1.00E-43	LOC350585
CL339291	RP44_268F13	SP6	18	69062675	69062724	69.06	2.00E-06	NA
CL343607	RP44_277I11	T7	18	69095495	69095705	69.10	1.00E-07	NA
CL333598	RP44_250C15	SP6	18	69441787	69441824	69.44	6.00E-07	NA
CL336443	RP44_262F12	SP6	18	70817612	70818040	70.82	3.00E-14	NA
CL359749	RP44_337K16	SP6	18	70843479	70843507	70.84	5.00E-06	NA
CL332778	CH242_12I2	SP6	18	70999657	71000545	71.00	3.00E-08	NA
CL358711	RP44_415I13	SP6	18	72340341	72340645	72.34	3.00E-75	ZNF407
CL331298	CH242_7I12	SP6	18	72340898	72341334	72.34	4.00E-63	ZNF407
CL382607	RP44_324P17	T7	18	72341147	72341467	72.34	1.00E-90	ZNF407
CL373675	RP44_469E17	T7	18	72369608	72369708	72.37	1.00E-13	ZNF407
CL352556	RP44_401M10	SP6	18	72423773	72423880	72.42	2.00E-08	ZNF407
CL322731	RP44_416O2	SP6	18	72635353	72635613	72.64	3.00E-37	NA
CL350110	RP44_310O4	T7	18	72650187	72650285	72.65	3.00E-14	NA
CL440125	RP44_299P2	T7	18	72675240	72675296	72.68	6.00E-06	LOC147632
CL352495	RP44_401M10	T7	18	72678202	72678299	72.68	3.00E-16	MGC45594
CL335241	RP44_253E7	SP6	18	72694130	72694516	72.69	1.00E-83	SDCCAG33

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL335951	RP44_254H12	SP6	18	72720234	72720391	72.72	5.00E-06	SDCCAG33
CL440196	RP44_299P2	SP6	18	72857930	72858033	72.86	7.00E-27	LOC350562
CL388854	RP44_285O22	SP6	18	73355812	73356191	73.36	e-120	NA
CL376987	RP44_449E13	SP6	18	73355870	73356191	73.36	e-107	NA
CL370876	RP44_300L5	T7	18	73403738	73404045	73.40	1.00E-53	NA
CL439654	RP44_297D23	T7	18	73441943	73442260	73.44	4.00E-37	NA
CL439803	RP44_297D24	T7	18	73441943	73442260	73.44	5.00E-37	NA
CL363427	RP44_388J3	T7	18	73454927	73455161	73.46	1.00E-51	NA
CL336334	RP44_263M1	T7	18	73609036	73609065	73.61	1.00E-06	LOC339298
CL367174	RP44_365A19	T7	18	73991894	73992006	73.99	2.00E-15	NA
CL368721	RP44_289J13	T7	18	74017473	74017540	74.02	2.00E-12	LOC284276
CL388498	RP44_284F18	SP6	18	75050802	75050927	75.05	8.00E-10	LOC342753
CL362309	RP44_375J16	SP6	18	75208952	75209057	75.21	2.00E-11	NA
CL370764	RP44_300C17	SP6	18	75306940	75307164	75.31	7.00E-49	LOC125595
CL322142	RP44_404A15	SP6	18	75306940	75307261	75.31	2.00E-57	LOC125595
CL385584	RP44_332E1	T7	18	75314129	75314552	75.31	e-156	LOC125595
CL323432	RP44_458O23	T7	18	75314129	75314639	75.31	e-170	LOC125595
CL321686	CH242_13K12	SP6	18	75460584	75461011	75.46	e-165	LOC350567
CL385657	RP44_332E1	SP6	18	75563799	75563907	75.56	3.00E-13	NA
CL361998	RP44_353D1	T7	18	75563801	75563907	75.56	5.00E-12	NA
CL325553	RP44_241B20	T7	18	75593707	75593930	75.59	1.00E-76	NA
CL345876	RP44_269E18	T7	18	75602898	75603081	75.60	3.00E-20	NA
CL365007	RP44_400C10	SP6	18	75692019	75692474	75.69	0	LOC350519
CL380520	RP44_429E6	T7	18	75692544	75693140	75.69	3.00E-88	LOC350519
CL345950	RP44_269E18	SP6	18	75846115	75846586	75.85	e-124	NA
CL371411	RP44_302J17	SP6	18	75888465	75888568	75.89	3.00E-29	NA
CL344705	RP44_279I23	T7	18	76194168	76194258	76.19	2.00E-09	NA
CL360596	RP44_339P23	SP6	18	76199762	76199852	76.20	4.00E-24	NA
CL386223	RP44_333C20	SP6	18	76309355	76309821	76.31	2.00E-24	NA
CL386140	RP44_333C20	T7	18	76537599	76537891	76.54	4.00E-19	NA
CL320666	CH242_13C7	SP6	18	76688143	76688254	76.69	6.00E-34	ATP9B
CL324121	RP44_463H20	SP6	18	76704511	76704553	76.70	3.00E-12	ATP9B
CL381189	RP44_314P6	SP6	18	77324868	77324944	77.32	2.00E-08	LOC350522
CL384081	RP44_328D15	T7	19	1698869	1698923	1.70	4.00E-12	NA
CL352891	RP44_402A1	T7	19	1741948	1742045	1.74	7.00E-21	LOC148229
CL379799	RP44_428M21	SP6	19	3235644	3235840	3.24	1.00E-14	BRUNOL5
CL323886	RP44_463A19	T7	19	4176929	4177006	4.18	7.00E-07	EBI3
CL336839	RP44_263F17	SP6	19	4368664	4368728	4.37	5.00E-18	CHAF1A
CL408838	RP44_416K1	T7	19	4476914	4477054	4.48	3.00E-19	LRG
CL322693	RP44_416K2	T7	19	4476914	4477054	4.48	9.00E-20	LRG
CL359460	RP44_336N22	T7	19	5338011	5338249	5.34	1.00E-15	NA
CL352219	RP44_314C23	SP6	19	5634766	5634921	5.63	1.00E-43	PRSS15
CL340297	RP44_257E8	T7	19	5764150	5764288	5.76	2.00E-50	NRTN
CL352149	RP44_314C23	T7	19	5871487	5871549	5.87	1.00E-09	RANBP3
CL345761	RP44_280L23	SP6	19	5948105	5948247	5.95	8.00E-36	RFX2
CL374567	RP44_470O24	T7	19	6677972	6678251	6.68	4.00E-34	NA
CL380270	RP44_428H6	SP6	19	6874979	6875091	6.88	6.00E-18	EMR1
CL355045	RP44_409I7	T7	19	7124359	7124649	7.12	e-104	INSR
CL331134	CH242_6J7	SP6	19	7502623	7502769	7.50	4.00E-36	NTE
CL408772	RP44_415N6	SP6	19	7927474	7927704	7.93	2.00E-95	ELAVL1
CL413273	RP44_432P6	T7	19	8827378	8827457	8.83	7.00E-15	MUC16
CL377097	RP44_449I20	T7	19	9335902	9335986	9.34	2.00E-11	ZNF177
CL413593	RP44_433N12	T7	19	10002205	10002397	10.00	8.00E-42	NA
CL327645	RP44_246E20	T7	19	10099506	10102399	10.10	7.00E-12	DNMT1
CL369238	RP44_290M20	T7	19	10115539	10115633	10.12	1.00E-16	DNMT1
CL351255	RP44_312E19	SP6	19	10533081	10533214	10.53	8.00E-26	AP1M2
CL322467	RP44_404P12	T7	19	10537370	16165203	13.35	2.00E-62	AP1M1
CL349131	RP44_308F6	T7	19	10634115	10634564	10.63	8.00E-85	ILF3
CL387119	RP44_280L8	SP6	19	10682995	10683107	10.68	7.00E-18	DNM2
CL343970	RP44_277F19	SP6	19	11349927	11350120	11.35	4.00E-13	RGL3
CL354885	RP44_408J3	T7	19	12868656	12868763	12.87	1.00E-19	GCDH
CL439933	RP44_297P2	SP6	19	12896321	12896884	12.90	9.00E-45	CALR
CL373890	RP44_469M10	T7	19	12962469	12962937	12.96	1.00E-46	LOC126103
CL344746	RP44_279C11	SP6	19	12972236	12972508	12.97	1.00E-41	NA
CL439856	RP44_297P2	T7	19	13109807	13110208	13.11	1.00E-40	ETR101

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL343173	RP44_276C6	SP6	19	13795739	13796155	13.80	3.00E-53	NA
CL321126	CH242_15O6	SP6	19	14037377	14037677	14.04	1.00E-12	NA
CL321125	CH242_15O6	T7	19	14306709	14306831	14.31	9.00E-29	NA
CL381510	RP44_315N14	SP6	19	14353683	14721821	14.54	5.00E-07	EMR2
CL350699	RP44_311G20	T7	19	14423561	14423701	14.42	5.00E-28	PRKCL1
CL333046	CH242_12P10	SP6	19	14698130	14699547	14.70	2.00E-06	EMR2
CL381183	RP44_314N18	SP6	19	15141537	15141909	15.14	2.00E-52	NOTCH3
CL354837	RP44_408O20	SP6	19	15200565	15200641	15.20	1.00E-20	BRD4
CL324763	RP44_478C1	SP6	19	15250682	15250762	15.25	2.00E-13	BRD4
CL366037	RP44_358C14	T7	19	15379264	15379398	15.38	4.00E-07	WIZ
CL338241	RP44_265B24	SP6	19	16357300	16357347	16.36	9.00E-08	EPS15R
CL383996	RP44_327B6	SP6	19	16392949	16393040	16.39	3.00E-23	EPS15R
CL388887	RP44_285H24	T7	19	16396677	16396932	16.40	5.00E-39	EPS15R
CL352740	RP44_401D4	T7	19	16506916	16506976	16.51	6.00E-06	NA
CL349282	RP44_309E7	T7	19	16569729	16569781	16.57	2.00E-06	CRSP7
CL364503	RP44_396N15	SP6	19	17112913	17113063	17.11	3.00E-28	MYO9B
CL352698	RP44_401L3	SP6	19	17279041	17279103	17.28	6.00E-12	MGC2594
CL376714	RP44_445D1	T7	19	17311966	17312002	17.31	3.00E-06	PLVAP
CL381490	RP44_315J10	SP6	19	17585238	17585369	17.59	8.00E-51	KIAA1032
CL383865	RP44_327E20	SP6	19	18476057	18476323	18.48	2.00E-21	ELL
CL381445	RP44_315P16	T7	19	18476629	18476725	18.48	1.00E-27	ELL
CL327787	RP44_246D19	T7	19	18804845	18804980	18.80	2.00E-24	RENT1
CL377874	RP44_422N1	T7	19	18804932	18804980	18.80	1.00E-08	RENT1
CL355918	RP44_410J13	T7	19	18899281	18899441	18.90	1.00E-34	NA
CL343163	RP44_276A10	SP6	19	18946915	18947206	18.95	7.00E-52	SFRS14
CL327865	RP44_246F23	SP6	19	18947068	18947206	18.95	2.00E-29	SFRS14
CL361495	RP44_350F22	SP6	19	19080313	19080357	19.08	3.00E-06	FLJ20422
CL361428	RP44_350F22	T7	19	19291703	19291762	19.29	7.00E-15	KIAA0892
CL378916	RP44_425G20	T7	19	19304904	19304958	19.30	2.00E-09	KIAA0892
CL378987	RP44_425G20	SP6	19	19521019	19521121	19.52	7.00E-36	PBX4
CL379221	RP44_426E14	T7	19	19566781	19566862	19.57	4.00E-09	PBX4
CL353751	RP44_403L17	SP6	19	19848633	23181985	21.52	3.00E-07	ZNF253
CL344599	RP44_278F2	SP6	19	33322085	33322622	33.32	9.00E-73	NA
CL383450	RP44_326I16	SP6	19	33322085	33322622	33.32	2.00E-67	NA
CL339283	RP44_268D19	SP6	19	33507971	33508138	33.51	2.00E-27	NA
CL383378	RP44_326I16	T7	19	33512230	33512528	33.51	7.00E-09	NA
CL352544	RP44_401I20	SP6	19	33531720	33531810	33.53	1.00E-14	NA
CL368590	RP44_289O16	T7	19	33798835	63711802	48.76	6.00E-06	LOC148183
CL413324	RP44_432J20	SP6	19	34145314	34145638	34.15	3.00E-26	NA
CL368414	RP44_289M15	T7	19	34460663	34460719	34.46	9.00E-11	LOC284395
CL387660	RP44_282G19	T7	19	34486143	34486195	34.49	4.00E-06	LOC284395
CL384628	RP44_329A16	SP6	19	34997290	34997591	35.00	e-139	NA
CL320664	CH242_13C5	SP6	19	35031944	35032074	35.03	8.00E-24	LOC350590
CL374633	RP44_470M4	SP6	19	35175680	35176067	35.18	4.00E-10	C19orf2
CL374449	RP44_470K1	SP6	19	35175958	35176067	35.18	3.00E-10	C19orf2
CL338347	RP44_266G15	T7	19	35175958	35176067	35.18	3.00E-10	C19orf2
CL322092	RP44_399L17	SP6	19	35176740	35176938	35.18	5.00E-18	C19orf2
CL362465	RP44_377I12	SP6	19	35386091	35386206	35.39	1.00E-13	LOC342869
CL347630	RP44_272D24	SP6	19	35450819	35450869	35.45	2.00E-07	NA
CL321219	CH242_15H19	T7	19	35744656	35745138	35.74	e-159	NA
CL345725	RP44_280F15	SP6	19	35754165	35754379	35.75	2.00E-57	NA
CL375077	RP44_471C19	SP6	19	36273742	36274082	36.27	6.00E-82	NA
CL360845	RP44_341P24	SP6	19	36485749	36486192	36.49	2.00E-30	NA
CL344405	RP44_278N21	T7	19	36832234	36832371	36.83	5.00E-25	NA
CL387528	RP44_281N23	T7	19	36990031	36990506	36.99	2.00E-92	LOC348302
CL347302	RP44_272M10	T7	19	37159200	37159333	37.16	3.00E-19	NA
CL367703	RP44_372E19	SP6	19	37277727	37277820	37.28	4.00E-16	NA
CL367910	RP44_374L21	T7	19	37277727	37277820	37.28	3.00E-16	NA
CL355759	RP44_410I8	T7	19	37277727	37277820	37.28	3.00E-16	NA
CL355832	RP44_410I8	SP6	19	37507163	37507273	37.51	1.00E-14	LOC342878
CL367639	RP44_372E19	T7	19	37509465	37509536	37.51	8.00E-08	LOC342878
CL343632	RP44_277M21	T7	19	37687063	37687202	37.69	1.00E-13	NA
CL327376	RP44_245L9	T7	19	37712133	37712357	37.71	6.00E-29	NA
CL413495	RP44_433I2	SP6	19	38100439	38100626	38.10	4.00E-41	FLJ14640
CL330425	CH242_3F10	SP6	19	38227881	38227987	38.23	3.00E-07	RHPN2

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL333102	RP44_248D18	SP6	19	38594541	38594793	38.59	3.00E-72	PEPD
CL370588	RP44_295N10	SP6	19	38736155	38736218	38.74	6.00E-08	NA
CL387661	RP44_282G21	T7	19	39467424	39467846	39.47	e-179	KIAA0355
CL356300	RP44_411G7	SP6	19	40416297	40416533	40.42	7.00E-14	LISCH7
CL356337	RP44_411O15	SP6	19	40416446	40416533	40.42	4.00E-06	LISCH7
CL345749	RP44_280J23	SP6	19	40710723	40710881	40.71	5.00E-35	GAPDS
CL378624	RP44_424H18	T7	19	40895029	40895127	40.90	3.00E-32	MLL4
CL352060	RP44_313D2	SP6	19	40923746	40924210	40.92	2.00E-92	FLJ32389
CL389398	RP44_286F3	SP6	19	41067386	41067437	41.07	5.00E-15	TA-NFKBH
CL363807	RP44_392C20	T7	19	41576001	41576540	41.58	5.00E-12	MGC45380
CL324057	RP44_463N1	SP6	19	41615806	41616005	41.62	1.00E-23	FLJ14779
CL412097	RP44_430D23	SP6	19	41737699	41737773	41.74	1.00E-12	KIAA1615
CL340029	RP44_256N2	T7	19	42059238	42409463	42.23	6.00E-43	FLJ35863
CL381766	RP44_316A16	SP6	19	42320407	61611526	51.97	4.00E-43	FLJ31030
CL382905	RP44_325O12	T7	19	43656759	43657338	43.66	2.00E-67	RYR1
CL358606	RP44_415E9	T7	19	43659241	43659327	43.66	2.00E-19	RYR1
CL344156	RP44_278M21	SP6	19	43704210	43704507	43.70	2.00E-32	RYR1
CL413090	RP44_432I1	T7	19	43825315	43825512	43.83	6.00E-18	ACTN4
CL333773	RP44_250M2	SP6	19	43860279	43860462	43.86	2.00E-58	ACTN4
CL382976	RP44_325M22	SP6	19	43885854	43885906	43.89	6.00E-06	ACTN4
CL323668	RP44_458J6	T7	19	44008494	44008970	44.01	3.00E-75	HNRPL
CL333702	RP44_250M2	T7	19	44066118	44066376	44.07	7.00E-14	SIRT2
CL382899	RP44_325M22	T7	19	44088274	44088804	44.09	4.00E-16	SARS2
CL350904	RP44_311B11	SP6	19	44523723	44524081	44.52	3.00E-37	FLJ10211
CL322081	RP44_399L3	SP6	19	45156468	45156790	45.16	4.00E-53	PSMC4
CL412180	RP44_430F3	T7	19	45203326	45203358	45.20	6.00E-06	LOC342902
CL389921	RP44_287O16	SP6	19	48715412	48715862	48.72	e-100	LOC284346
CL353662	RP44_403F7	T7	19	48770826	48770860	48.77	1.00E-07	NA
CL373472	RP44_308N3	SP6	19	48836614	48836820	48.84	7.00E-21	PLAUR
CL381892	RP44_323O23	T7	19	49695352	49695461	49.70	2.00E-11	LOC125931
CL354769	RP44_408O20	T7	19	49712659	49712692	49.71	7.00E-07	LOC125931
CL353600	RP44_403E14	SP6	19	50792838	50792991	50.79	7.00E-50	EML2
CL411584	RP44_422E16	SP6	19	50813624	50813807	50.81	8.00E-63	EML2
CL411509	RP44_422E16	T7	19	51055865	51055922	51.06	9.00E-14	NA
CL387113	RP44_280J20	SP6	19	51484511	51484707	51.48	8.00E-73	HIF3A
CL368182	RP44_288L19	SP6	19	52046017	52046312	52.05	5.00E-61	NA
CL387143	RP44_280P12	SP6	19	52075896	52075957	52.08	1.00E-13	NA
CL351710	RP44_313M24	T7	19	52144165	52144710	52.14	2.00E-17	GRLF1
CL379665	RP44_428E15	T7	19	52243860	52244000	52.24	2.00E-09	C19orf7
CL385784	RP44_332C12	SP6	19	52329946	52329991	52.33	6.00E-09	SAE1
CL411138	RP44_420O8	SP6	19	53019567	53020383	53.02	9.00E-09	CRX
CL379505	RP44_426H20	T7	19	53361688	53362035	53.36	e-148	NA
CL342572	RP44_262D11	T7	19	54061323	54063242	54.06	1.00E-07	TULP2
CL336578	RP44_263A14	T7	19	54166463	54166668	54.17	1.00E-68	GYS1
CL339247	RP44_268N7	T7	19	55045669	55045745	55.05	3.00E-18	PNKP
CL330428	CH242_3F18	SP6	19	55981675	55981754	55.98	3.00E-15	MGC13170
CL363228	RP44_383I22	SP6	19	56520417	56520722	56.52	8.00E-69	NA
CL360287	RP44_339C1	SP6	19	56529564	56529695	56.53	1.00E-34	ETFB
CL371622	RP44_304I18	T7	19	58990434	58990583	58.99	1.00E-42	NALP12
CL384005	RP44_327D8	SP6	19	59618295	59618394	59.62	3.00E-22	TTYH1
CL328151	RP44_248C13	SP6	19	60235716	60235910	60.24	1.00E-45	RDH13
CL342073	RP44_261N19	SP6	19	60429833	60429880	60.43	1.00E-12	KIAA1115
CL341942	RP44_261O20	SP6	19	60429835	60429880	60.43	2.00E-11	KIAA1115
CL388309	RP44_284P21	T7	19	61741064	61741374	61.74	1.00E-68	ZFP28
CL355250	RP44_409G10	SP6	19	61961840	61961893	61.96	6.00E-09	NA
CL408738	RP44_415F24	SP6	19	63120505	63120570	63.12	4.00E-09	KIAA1956
CL326491	RP44_243D12	T7	20	473725	473821	0.47	8.00E-11	NA
CL332978	CH242_12B24	SP6	20	906259	906394	0.91	3.00E-29	LOC343637
CL334168	RP44_251O19	T7	20	1166807	1167168	1.17	5.00E-25	NA
CL386568	RP44_334O22	SP6	20	1374883	1374923	1.37	2.00E-08	NSFL1C
CL334249	RP44_251O19	SP6	20	1403042	1403083	1.40	6.00E-09	LOC284759
CL326026	RP44_242P13	SP6	20	1862411	1862828	1.86	4.00E-25	PTPNS1
CL349741	RP44_309D16	T7	20	1897580	1897903	1.90	2.00E-23	NA
CL363302	RP44_383L1	T7	20	2051620	2051766	2.05	2.00E-38	STK35
CL363371	RP44_383L1	SP6	20	2239637	2239879	2.24	2.00E-42	TGM3

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL379139	RP44_426E13	SP6	20	2630536	2630616	2.63	9.00E-11	KIAA1442
CL339187	RP44_268B3	T7	20	2750649	2750689	2.75	2.00E-06	NA
CL331397	CH242_7N17	T7	20	2916664	2916824	2.92	2.00E-51	PTPRA
CL328826	RP44_373H8	SP6	20	3100477	3100682	3.10	7.00E-11	ProSAPiP1
CL328844	RP44_373J8	SP6	20	3100477	3100774	3.10	9.00E-11	ProSAPiP1
CL331461	CH242_7N17	SP6	20	3124584	3124699	3.12	4.00E-11	C20orf116
CL329344	RP44_386P4	SP6	20	3128648	3129145	3.13	6.00E-52	C20orf116
CL320812	CH242_13B15	SP6	20	3167837	3167919	3.17	3.00E-19	NA
CL332453	CH242_10N11	SP6	20	4628686	4629019	4.63	1.00E-13	PRNP
CL369882	RP44_292H18	T7	20	4659469	4659514	4.66	2.00E-09	NA
CL341527	RP44_260N22	T7	20	4787917	4788033	4.79	1.00E-41	SLC23A2
CL347640	RP44_272H14	SP6	20	5370942	5371212	5.37	6.00E-73	NA
CL332353	CH242_10J17	T7	20	5815774	5815873	5.82	8.00E-20	NA
CL333074	RP44_248L6	SP6	20	5959895	5959955	5.96	3.00E-08	C20orf155
CL412749	RP44_431D21	T7	20	6016387	6016688	6.02	4.00E-35	C20orf42
CL412363	RP44_430J12	SP6	20	6319929	6320380	6.32	1.00E-19	NA
CL336500	RP44_263C11	SP6	20	6322192	6322284	6.32	3.00E-20	NA
CL325880	RP44_242G18	SP6	20	6363862	6363946	6.36	1.00E-15	LOC350948
CL350998	RP44_311D20	T7	20	6436736	6436773	6.44	2.00E-06	NA
CL412277	RP44_430J12	T7	20	6487110	6487532	6.49	3.00E-29	NA
CL366694	RP44_362H7	SP6	20	6573228	6573617	6.57	6.00E-62	NA
CL343740	RP44_277E2	T7	20	6632797	6633438	6.63	e-142	NA
CL323463	RP44_458E4	T7	20	6782033	6782180	6.78	1.00E-13	NA
CL376280	RP44_443P17	SP6	20	7258556	7259084	7.26	7.00E-77	LOC343650
CL364488	RP44_396J21	SP6	20	7347302	7347336	7.35	2.00E-07	LOC343650
CL410613	RP44_419L9	T7	20	7632606	7632746	7.63	5.00E-07	LOC350950
CL386104	RP44_332H12	SP6	20	7749474	7749515	7.75	4.00E-09	NA
CL339019	RP44_268G23	SP6	20	7779647	7779686	7.78	3.00E-10	LOC343651
CL338958	RP44_268G23	T7	20	7966936	7967032	7.97	1.00E-06	NA
CL325240	RP44_479P1	SP6	20	8296389	8296811	8.30	9.00E-11	PLCB1
CL344434	RP44_278D11	SP6	20	8724816	8724970	8.72	8.00E-27	PLCB1
CL327782	RP44_246D1	T7	20	8751191	8751242	8.75	4.00E-10	PLCB1
CL330356	CH242_3H10	T7	20	9011319	9011549	9.01	9.00E-39	LOC348553
CL372614	RP44_306P7	T7	20	9108714	9109032	9.11	4.00E-13	LOC348553
CL329982	CH242_3A4	T7	20	9303214	9303764	9.30	4.00E-10	PLCB4
CL374723	RP44_470N13	T7	20	9330107	9330344	9.33	7.00E-36	PLCB4
CL320686	CH242_13E7	T7	20	9485036	9485123	9.49	1.00E-12	PAK7
CL374809	RP44_470N13	SP6	20	9501637	9501988	9.50	3.00E-07	PAK7
CL321829	CH242_15E15	T7	20	9744443	9744716	9.74	5.00E-13	PAK7
CL352905	RP44_402C13	T7	20	10599425	1059927	10.60	3.00E-47	JAG1
CL382206	RP44_323B10	T7	20	10682743	10682931	10.68	8.00E-11	LOC343653
CL382287	RP44_323B10	SP6	20	10851216	10851502	10.85	5.00E-65	LOC149859
CL350026	RP44_310O5	SP6	20	10851468	10852054	10.85	3.00E-97	LOC149859
CL358207	RP44_414C14	SP6	20	10857459	10857712	10.86	4.00E-28	LOC149859
CL349946	RP44_310O5	T7	20	11004616	11004697	11.00	2.00E-09	NA
CL358134	RP44_414C14	T7	20	11023187	11023270	11.02	9.00E-16	NA
CL367369	RP44_367O20	T7	20	11141738	11141850	11.14	3.00E-14	LOC350952
CL414274	RP44_436I2	SP6	20	11145586	11146112	11.15	5.00E-46	NA
CL380150	RP44_428B12	T7	20	11175045	11175401	11.18	2.00E-98	NA
CL363694	RP44_389H13	SP6	20	11559204	11559503	11.56	6.00E-40	NA
CL363760	RP44_389H13	T7	20	11587364	11587889	11.59	2.00E-67	NA
CL365659	RP44_354O11	SP6	20	11743856	11743954	11.74	6.00E-14	NA
CL381853	RP44_323E19	T7	20	11814459	11814526	11.81	3.00E-06	NA
CL377563	RP44_457G17	T7	20	11918360	11918488	11.92	4.00E-28	LOC350953
CL411901	RP44_430M23	SP6	20	11986111	11986771	11.99	2.00E-36	NA
CL345613	RP44_280B11	T7	20	12281692	12281937	12.28	3.00E-54	NA
CL326001	RP44_242H19	SP6	20	13324714	13325076	13.32	7.00E-79	C20orf13
CL410588	RP44_419F23	T7	20	13341206	13341307	13.34	2.00E-09	C20orf13
CL368272	RP44_288P8	T7	20	13444440	13445084	13.44	4.00E-81	C20orf13
CL324951	RP44_478J2	T7	20	13612880	13612958	13.61	3.00E-07	LOC350954
CL324952	RP44_478J2	SP6	20	13650921	13651014	13.65	1.00E-06	C20orf6
CL377078	RP44_449E22	T7	20	13679941	13680208	13.68	3.00E-25	C20orf6
CL356366	RP44_411I12	T7	20	13727040	13727149	13.73	6.00E-21	C20orf7
CL361304	RP44_350K23	T7	20	13832810	13832863	13.83	9.00E-07	C20orf50
CL388068	RP44_284O17	SP6	20	14072310	14072485	14.07	5.00E-22	LOC343663

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL413134	RP44_432A11	SP6	20	14151364	14151622	14.15	6.00E-06	LOC343663
CL357804	RP44_413P9	SP6	20	14164169	14164494	14.16	3.00E-94	LOC343663
CL387999	RP44_284O17	T7	20	14236658	14237060	14.24	6.00E-34	NA
CL409548	RP44_417F19	T7	20	14271448	14271691	14.27	8.00E-14	NA
CL386203	RP44_333O12	T7	20	14272254	14272436	14.27	2.00E-17	NA
CL322483	RP44_405B15	T7	20	14419704	14420111	14.42	3.00E-10	NA
CL410507	RP44_419M24	T7	20	14419935	14420139	14.42	7.00E-14	NA
CL386277	RP44_333O12	SP6	20	14464710	14464754	14.46	6.00E-06	NA
CL375505	RP44_471H4	T7	20	14484048	14484662	14.48	5.00E-65	LOC343664
CL375579	RP44_471H4	SP6	20	14634102	14634471	14.63	9.00E-14	LOC343666
CL326381	RP44_243K16	SP6	20	14640370	14640611	14.64	4.00E-71	NA
CL386621	RP44_334N7	T7	20	14831429	14831641	14.83	2.00E-08	LOC343668
CL353607	RP44_403G16	SP6	20	14892493	14892684	14.89	7.00E-12	LOC343669
CL375304	RP44_471M20	SP6	20	15017462	15017830	15.02	2.00E-29	LOC343670
CL367391	RP44_367E2	SP6	20	15106155	15106321	15.11	1.00E-28	NA
CL352153	RP44_314E11	T7	20	15144525	15144678	15.14	1.00E-09	LOC284776
CL352989	RP44_402E11	SP6	20	15164251	15164774	15.16	4.00E-65	LOC284776
CL378883	RP44_425A8	T7	20	15185354	15185475	15.19	2.00E-30	LOC284776
CL330280	CH242_3J5	SP6	20	15194196	15194520	15.19	9.00E-27	LOC284776
CL336225	RP44_255B7	SP6	20	15251080	15251180	15.25	2.00E-08	LOC284776
CL330195	CH242_3J5	T7	20	15371670	15371728	15.37	5.00E-12	LOC284776
CL329546	RP44_394F1	SP6	20	15475600	15476101	15.48	1.00E-43	LOC284776
CL329633	RP44_394P1	SP6	20	15475613	15476113	15.48	2.00E-48	LOC284776
CL324890	RP44_478B22	SP6	20	15480826	15481075	15.48	2.00E-08	LOC284776
CL363812	RP44_392E22	T7	20	15566911	15567269	15.57	2.00E-13	LOC284776
CL346708	RP44_271G4	SP6	20	15567380	15567972	15.57	2.00E-27	LOC284776
CL377028	RP44_449M5	SP6	20	15583376	15583525	15.58	2.00E-18	LOC284776
CL358453	RP44_414F22	T7	20	15583383	15583525	15.58	1.00E-16	LOC284776
CL376939	RP44_449M5	T7	20	15765452	15765537	15.77	3.00E-20	LOC284776
CL384824	RP44_329L9	SP6	20	15765456	15765586	15.77	8.00E-24	LOC284776
CL358537	RP44_414F22	SP6	20	15780975	15781311	15.78	3.00E-13	LOC284776
CL360637	RP44_340J14	T7	20	15833739	15833935	15.83	3.00E-11	LOC284776
CL354711	RP44_408A20	T7	20	16128748	16128788	16.13	6.00E-06	LOC343671
CL330517	CH242_4K21	T7	20	16251167	16251417	16.25	6.00E-43	C20orf23
CL354778	RP44_408A20	SP6	20	16323053	16323337	16.32	2.00E-58	C20orf23
CL370492	RP44_295H8	T7	20	16576799	16577069	16.58	1.00E-37	NA
CL358878	RP44_335G4	SP6	20	16583897	16583934	16.58	6.00E-09	NA
CL327593	RP44_246I21	SP6	20	16793527	16793620	16.79	7.00E-09	NA
CL327605	RP44_246K23	SP6	20	16793527	16793620	16.79	6.00E-09	NA
CL327612	RP44_246M19	SP6	20	16793527	16793620	16.79	6.00E-09	NA
CL390137	RP44_288M15	T7	20	17691550	17691601	17.69	4.00E-10	NA
CL341959	RP44_261D21	T7	20	18518489	18518532	18.52	4.00E-10	HARS2
CL346235	RP44_270G1	SP6	20	18693362	18693400	18.69	4.00E-07	NA
CL410017	RP44_418O24	T7	20	18780257	18780430	18.78	5.00E-42	NA
CL367151	RP44_364K23	SP6	20	19433559	19433815	19.43	8.00E-44	SLC24A3
CL330528	CH242_4M23	T7	20	19453196	19453263	19.45	9.00E-08	SLC24A3
CL385121	RP44_330A24	T7	20	19453196	19453263	19.45	3.00E-10	SLC24A3
CL349902	RP44_310E5	T7	20	19492151	19492441	19.49	2.00E-45	SLC24A3
CL382556	RP44_324F9	T7	20	19904404	19904441	19.90	2.00E-06	RIN2
CL320918	CH242_15E11	SP6	20	20061416	20061444	20.06	6.00E-06	C20orf26
CL369194	RP44_290E22	T7	20	20148703	20148751	20.15	7.00E-06	C20orf26
CL331876	CH242_9A9	SP6	20	20155128	20155164	20.16	5.00E-06	C20orf26
CL363318	RP44_383P5	T7	20	20369271	20369558	20.37	3.00E-97	KIAA1272
CL353287	RP44_402N15	T7	20	20431988	20432298	20.43	9.00E-48	KIAA1272
CL331312	CH242_7K20	SP6	20	20498461	20498528	20.50	2.00E-10	KIAA1272
CL331944	CH242_9O9	SP6	20	20540118	20540282	20.54	4.00E-07	KIAA1272
CL349746	RP44_309F6	T7	20	20639392	20639818	20.64	1.00E-22	KIAA1272
CL331742	CH242_8H3	SP6	20	21196639	21197209	21.20	1.00E-93	LOC348557
CL413485	RP44_433G6	SP6	20	22029979	22030012	22.03	2.00E-06	LOC343687
CL339322	RP44_268L15	SP6	20	22367954	22368387	22.37	e-111	NA
CL410344	RP44_419E15	T7	20	22421558	22421620	22.42	3.00E-07	NA
CL337195	RP44_264M5	SP6	20	23379132	23379217	23.38	1.00E-13	CST11
CL358960	RP44_335H3	T7	20	24560115	24560163	24.56	2.00E-08	C20orf39
CL380084	RP44_428D23	SP6	20	25209582	25209754	25.21	2.00E-58	PYGB
CL327750	RP44_246K18	SP6	20	25230841	25230988	25.23	8.00E-20	DKFZP434P106

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL322999	RP44_455B10	SP6	20	30585834	30585891	30.59	1.00E-06	NA
CL376945	RP44_449M19	T7	20	30839438	30839704	30.84	1.00E-09	HM13
CL411518	RP44_422G20	T7	20	30941539	30941633	30.94	9.00E-10	NA
CL326189	RP44_243A7	SP6	20	31068044	31068106	31.07	3.00E-06	C20orf1
CL322452	RP44_404N18	SP6	20	31078964	31079129	31.08	3.00E-12	C20orf1
CL322354	RP44_404O18	SP6	20	31078964	31079259	31.08	1.00E-80	C20orf1
CL377035	RP44_449M19	SP6	20	31093967	31094057	31.09	2.00E-14	NA
CL330436	CH242_3H14	SP6	20	31195535	31195884	31.20	3.00E-87	LOC164395
CL379444	RP44_426N5	SP6	20	31293752	31293898	31.29	5.00E-18	NA
CL322353	RP44_404O18	T7	20	31317007	31317119	31.32	2.00E-13	C20orf160
CL382847	RP44_325C12	T7	20	31468065	31468131	31.47	4.00E-19	NA
CL359187	RP44_335D22	SP6	20	31491054	31491456	31.49	1.00E-40	PLAGL2
CL379365	RP44_426N5	T7	20	31492229	31492299	31.49	2.00E-11	PLAGL2
CL350866	RP44_311J15	T7	20	31770923	31771529	31.77	3.00E-91	C20orf112
CL345309	RP44_280E21	T7	20	32084448	32085042	32.08	1.00E-31	MAPRE1
CL409275	RP44_417K11	T7	20	32498509	32498587	32.50	6.00E-15	PLUNC
CL372612	RP44_306P3	T7	20	32788078	32788429	32.79	e-127	NA
CL371541	RP44_302J8	SP6	20	33463522	33567064	33.52	1.00E-06	AHCY
CL323787	RP44_459H11	SP6	20	33499106	33499234	33.50	8.00E-08	AHCY
CL409649	RP44_417N19	SP6	20	34408404	34408513	34.41	2.00E-08	NA
CL409575	RP44_417N19	T7	20	34587174	34587361	34.59	5.00E-12	C20orf44
CL345623	RP44_280D9	T7	20	34626117	34626194	34.63	5.00E-07	C20orf44
CL334912	RP44_252O22	T7	20	34995676	34996102	35.00	0	RNPC2
CL339912	RP44_256B17	SP6	20	34996211	34996806	35.00	1.00E-46	RNPC2
CL339834	RP44_256B17	T7	20	35183158	35183587	35.18	2.00E-08	C20orf104
CL322745	RP44_437A1	T7	20	35205984	35206730	35.21	8.00E-73	C20orf104
CL322763	RP44_437A23	T7	20	35206510	35206694	35.21	6.00E-44	C20orf104
CL334390	RP44_251M14	SP6	20	35374424	35374496	35.37	4.00E-13	EPB41L1
CL346343	RP44_270N3	T7	20	35422414	35422472	35.42	4.00E-12	EPB41L1
CL322719	RP44_416M10	SP6	20	35437537	35437748	35.44	6.00E-08	EPB41L1
CL338793	RP44_267O23	SP6	20	35437537	35438047	35.44	3.00E-23	EPB41L1
CL389889	RP44_287I20	SP6	20	35437542	35437748	35.44	1.00E-06	EPB41L1
CL371669	RP44_304C12	SP6	20	36152469	36152515	36.15	1.00E-07	LOC343574
CL379959	RP44_428K18	SP6	20	36446490	36446534	36.45	2.00E-08	RPN2
CL371594	RP44_304C12	T7	20	36451289	36451340	36.45	9.00E-06	RPN2
CL329336	RP44_386N10	SP6	20	36481139	36481304	36.48	5.00E-17	RPN2
CL378748	RP44_425E23	T7	20	36983308	36983667	36.98	4.00E-44	CTNBL1
CL378829	RP44_425E23	SP6	20	37149908	37150012	37.15	2.00E-30	NA
CL354672	RP44_408I5	SP6	20	37164846	37165298	37.17	e-165	NA
CL388233	RP44_284B21	T7	20	37315061	37315098	37.32	2.00E-09	C20orf77
CL361292	RP44_350I15	T7	20	37696741	37716580	37.71	1.00E-28	LOC128439
CL370009	RP44_293G20	T7	20	38186676	38186728	38.19	1.00E-10	PPP1R16B
CL378738	RP44_425E1	T7	20	38252898	38252993	38.25	4.00E-34	DDX35
CL339113	RP44_268O12	T7	20	38398105	38398374	38.40	2.00E-11	NA
CL378819	RP44_425E1	SP6	20	38490944	38491057	38.49	1.00E-18	LOC339568
CL378406	RP44_424A10	SP6	20	38651646	38651746	38.65	1.00E-13	NA
CL349757	RP44_309H8	T7	20	38803676	38803777	38.80	5.00E-12	NA
CL386433	RP44_333P8	SP6	20	39175028	39175317	39.18	5.00E-55	NA
CL348056	RP44_273D14	SP6	20	39175028	39175320	39.18	7.00E-54	NA
CL359704	RP44_337O10	T7	20	39178800	39178862	39.18	9.00E-17	NA
CL359760	RP44_337O10	SP6	20	39397525	39398062	39.40	4.00E-19	NA
CL386968	RP44_335O1	SP6	20	39658831	39658869	39.66	4.00E-07	LOC343581
CL385117	RP44_330A10	T7	20	39678676	39678799	39.68	4.00E-10	LOC343581
CL351961	RP44_313P19	SP6	20	39957118	39957279	39.96	7.00E-52	NA
CL344834	RP44_279E4	T7	20	39996382	39996937	40.00	4.00E-07	LOC343584
CL348750	RP44_275C10	T7	20	40301342	40301441	40.30	9.00E-18	TOP1
CL333019	CH242_12J24	SP6	20	40349022	40349279	40.35	9.00E-36	TOP1
CL368282	RP44_288B6	SP6	20	40567105	40567232	40.57	1.00E-19	TIX1
CL385661	RP44_332E19	SP6	20	40573834	40573879	40.57	4.00E-09	NA
CL322666	RP44_416G20	SP6	20	40582971	40583033	40.58	2.00E-14	NA
CL385591	RP44_332E19	T7	20	40679657	40679818	40.68	1.00E-06	CHD6
CL383213	RP44_325L4	T7	20	40692198	40692511	40.69	e-109	CHD6
CL412710	RP44_431M10	SP6	20	40749467	40749898	40.75	3.00E-14	CHD6
CL413033	RP44_431N10	SP6	20	40749467	40749898	40.75	2.00E-14	CHD6
CL410440	RP44_419M3	SP6	20	41338008	41338082	41.34	5.00E-12	NA

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CL341125	RP44_259K12	SP6	20	41368055	41368103	41.37	5.00E-06	PTPRT
CL341830	RP44_261K12	T7	20	41929202	41931108	41.93	1.00E-07	PTPRT
CL374802	RP44_470L23	SP6	20	42242051	42242172	42.24	2.00E-14	PTPRT
CL322991	RP44_437O16	SP6	20	42402983	42403217	42.40	2.00E-53	PTPRT
CL413809	RP44_435O5	SP6	20	42519881	42520083	42.52	3.00E-17	NA
CL383415	RP44_326A18	SP6	20	42834975	42835131	42.84	5.00E-28	SGK2
CL370476	RP44_295D20	T7	20	43263763	43263800	43.26	1.00E-06	C20orf100
CL370553	RP44_295D20	SP6	20	43473396	43473628	43.47	4.00E-59	C20orf111
CL321492	CH242_20L4	T7	20	43528367	43528443	43.53	2.00E-20	GDAP1L1
CL366009	RP44_356N4	SP6	20	43751371	43751777	43.75	6.00E-89	C20orf121
CL321493	CH242_20L4	SP6	20	43773016	43773083	43.77	1.00E-09	TDE1
CL347300	RP44_272M6	T7	20	44239093	44239422	44.24	2.00E-46	STK4
CL351732	RP44_313C4	SP6	20	44286537	44286583	44.29	4.00E-07	STK4
CL370988	RP44_300P15	SP6	20	44320153	44320491	44.32	7.00E-33	STK4
CL371134	RP44_302A14	T7	20	44320157	44320491	44.32	5.00E-36	STK4
CL365443	RP44_353N20	T7	20	44629772	44629813	44.63	1.00E-06	NA
CL370733	RP44_300M11	T7	20	45174747	45174804	45.17	1.00E-11	PLTP
CL386333	RP44_333J22	T7	20	45204905	45205101	45.21	2.00E-30	C20orf67
CL366369	RP44_358P12	T7	20	45494586	45494732	45.49	3.00E-69	CDH22
CL329538	RP44_394D13	T7	20	46115792	46115889	46.12	8.00E-09	LOC350921
CL346016	RP44_269F1	T7	20	46116150	46116374	46.12	5.00E-18	LOC350921
CL383910	RP44_327O2	SP6	20	46165262	46165723	46.17	3.00E-26	EYA2
CL335037	RP44_252L13	T7	20	46252305	46252517	46.25	8.00E-21	EYA2
CL335056	RP44_252P13	T7	20	46252305	46252517	46.25	7.00E-21	EYA2
CL354530	RP44_407E24	SP6	20	46310440	46310508	46.31	7.00E-07	EYA2
CL386261	RP44_333K20	SP6	20	46718944	46719991	46.72	4.00E-07	NA
CL363078	RP44_383K5	SP6	20	46784927	46785197	46.79	1.00E-06	NCOA3
CL386186	RP44_333K20	T7	20	46923254	46923850	46.92	5.00E-28	NA
CL382204	RP44_323P23	T7	20	47030165	47030200	47.03	9.00E-08	SULF2
CL356189	RP44_410N14	SP6	20	47063884	47811943	47.44	2.00E-08	LOC149729
CL338624	RP44_266O4	SP6	20	47378539	47378913	47.38	3.00E-17	LOC350922
CL378895	RP44_425C16	T7	20	48206262	48206318	48.21	4.00E-13	ARFGEF2
CL378506	RP44_424J21	T7	20	48406539	48406720	48.41	1.00E-68	STAU
CL378566	RP44_424J21	SP6	20	48593075	48593206	48.59	2.00E-09	LOC339578
CL414192	RP44_436G18	T7	20	48634074	48634194	48.63	2.00E-11	KCNB1
CL363237	RP44_383K22	SP6	20	48655577	48655680	48.66	2.00E-07	KCNB1
CL387945	RP44_284C13	T7	20	48789367	48789601	48.79	6.00E-08	PTGIS
CL414271	RP44_436G18	SP6	20	48889173	48889893	48.89	4.00E-37	B4GALT5
CL386799	RP44_334J24	SP6	20	49114853	49114893	49.11	7.00E-11	SLC9A8
CL356291	RP44_411C17	SP6	20	49289564	49289810	49.29	2.00E-08	NA
CL355396	RP44_409D23	SP6	20	49295136	49295308	49.30	5.00E-48	NA
CL380353	RP44_429E21	T7	20	49863341	49863454	49.86	8.00E-33	C20orf175
CL378003	RP44_422L22	T7	20	49973212	49973300	49.97	7.00E-18	NA
CL331345	CH242_7B19	T7	20	49995230	49995673	50.00	1.00E-09	PARD6B
CL380440	RP44_429E21	SP6	20	50126371	50126468	50.13	6.00E-09	BCAS4
CL412206	RP44_430L1	T7	20	50275523	50275558	50.28	7.00E-08	KCNG1
CL355090	RP44_409C15	SP6	20	50674812	50674972	50.67	4.00E-15	NFATC2
CL389022	RP44_286G3	T7	20	50703934	50704290	50.70	e-114	NFATC2
CL343709	RP44_277M19	SP6	20	50726199	50726355	50.73	2.00E-11	NFATC2
CL382907	RP44_325O18	T7	20	50742775	50743079	50.74	2.00E-64	NFATC2
CL373717	RP44_469M17	T7	20	50787006	50787046	50.79	6.00E-06	NFATC2
CL362110	RP44_353L19	SP6	20	50837598	50838104	50.84	e-150	NA
CL350878	RP44_311L23	T7	20	50846673	50846732	50.85	6.00E-15	NA
CL382012	RP44_323K8	T7	20	50846867	50847365	50.85	e-104	NA
CL377994	RP44_422J18	T7	20	50849028	50849588	50.85	3.00E-78	NA
CL373806	RP44_469M17	SP6	20	50959029	50959198	50.96	4.00E-16	ATP9A
CL335508	RP44_253F11	SP6	20	50966095	50966210	50.97	1.00E-18	ATP9A
CL362042	RP44_353L19	T7	20	51019365	51019417	51.02	1.00E-10	LOC350924
CL372707	RP44_306B2	T7	20	51301846	51301910	51.30	6.00E-06	LOC343606
CL338979	RP44_268O1	T7	20	51564390	51564956	51.56	2.00E-49	LOC343608
CL340718	RP44_258D5	T7	20	51680860	51680965	51.68	2.00E-18	LOC343609
CL374674	RP44_470D17	T7	20	51832377	51832625	51.83	1.00E-52	LOC343610
CL326722	RP44_244G19	SP6	20	51908035	51908112	51.91	1.00E-11	NA
CL336217	RP44_255P11	T7	20	51997102	51997544	52.00	e-117	NA
CL349967	RP44_310C9	SP6	20	52035437	52035831	52.04	e-100	NA

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CL409650	RP44_417N21	SP6	20	52153617	52153936	52.15	1.00E-55	NA
CL377447	RP44_449P20	T7	20	52166130	52166812	52.17	e-148	LOC350927
CL388906	RP44_285N4	T7	20	52178326	52178523	52.18	8.00E-50	LOC350927
CL333642	RP44_250M19	SP6	20	52227539	52228225	52.23	e-107	FLJ33887
CL325278	RP44_241E1	T7	20	52295800	52296059	52.30	1.00E-34	FLJ33887
CL377522	RP44_449P20	SP6	20	52343581	52343642	52.34	4.00E-07	FLJ33887
CL338930	RP44_267O22	SP6	20	52375782	52376139	52.38	1.00E-82	FLJ33887
CL363298	RP44_383J13	T7	20	52393928	52394090	52.39	1.00E-25	FLJ33887
CL326658	RP44_244I15	T7	20	52448901	52449038	52.45	1.00E-06	FLJ33887
CL348485	RP44_274L18	T7	20	52465840	52466019	52.47	4.00E-07	FLJ33887
CL348562	RP44_274L18	SP6	20	52476698	52476966	52.48	e-113	FLJ33887
CL363367	RP44_383J13	SP6	20	52551543	52552014	52.55	1.00E-46	FLJ33887
CL328521	RP44_248P15	SP6	20	52639074	52639201	52.64	7.00E-15	FLJ33887
CL326731	RP44_244I15	SP6	20	52655238	52655307	52.66	1.00E-06	FLJ33887
CL342300	RP44_262M17	T7	20	52919354	52919497	52.92	7.00E-30	LOC350928
CL346079	RP44_269D23	SP6	20	53219931	53220031	53.22	5.00E-23	BCAS1
CL374193	RP44_469J6	T7	20	53220329	53220485	53.22	3.00E-35	BCAS1
CL340731	RP44_258F9	T7	20	53239950	53240054	53.24	5.00E-18	BCAS1
CL374274	RP44_469J6	SP6	20	53387779	53387836	53.39	1.00E-06	NA
CL387439	RP44_281M10	SP6	20	53413478	53413511	53.41	5.00E-09	CYP24A1
CL341578	RP44_260J8	SP6	20	53419410	53419527	53.42	1.00E-37	CYP24A1
CL382087	RP44_323I8	SP6	20	53771259	53771455	53.77	3.00E-45	DOK5
CL381671	RP44_316K17	SP6	20	53869464	53869725	53.87	5.00E-40	DOK5
CL357951	RP44_413L6	SP6	20	53967129	53967185	53.97	6.00E-06	LOC350931
CL333236	RP44_249M5	SP6	20	53991552	53991721	53.99	3.00E-44	LOC350931
CL324836	RP44_478H7	T7	20	54142864	54143136	54.14	e-123	NA
CL379366	RP44_426N9	T7	20	54146629	54146891	54.15	1.00E-25	NA
CL348895	RP44_275M8	SP6	20	54467139	54467246	54.47	6.00E-15	NA
CL383656	RP44_327G23	T7	20	54467139	54467246	54.47	8.00E-15	NA
CL413266	RP44_432N14	T7	20	54511789	54511866	54.51	1.00E-16	NA
CL350830	RP44_311D3	T7	20	54640849	54641161	54.64	1.00E-44	LOC343617
CL348804	RP44_275M8	T7	20	54673204	54673263	54.67	4.00E-10	LOC343617
CL384663	RP44_329I8	SP6	20	54697218	54697271	54.70	6.00E-09	LOC343617
CL384544	RP44_329O23	SP6	20	54697218	54697271	54.70	6.00E-09	LOC343617
CL359090	RP44_335P15	SP6	20	54781239	54781276	54.78	1.00E-06	LOC343619
CL354880	RP44_408H17	T7	20	54832608	54832636	54.83	7.00E-06	NA
CL370657	RP44_296K21	T7	20	55253414	55253466	55.25	2.00E-08	LOC350932
CL343671	RP44_277E17	SP6	20	55325329	55325951	55.33	2.00E-21	LOC350933
CL378546	RP44_424D19	SP6	20	55962679	55963040	55.96	2.00E-45	NA
CL359463	RP44_336P6	T7	20	56227135	56227260	56.23	5.00E-28	LOC343624
CL386051	RP44_332L18	T7	20	56554851	56555229	56.56	3.00E-10	SPO11
CL348606	RP44_275E15	T7	20	57093804	57094417	57.09	2.00E-21	LOC348545
CL351656	RP44_313C22	T7	20	57093916	57094417	57.09	9.00E-14	LOC348545
CL349588	RP44_309D1	T7	20	57094360	57094396	57.09	2.00E-06	LOC348545
CL368040	RP44_288M12	SP6	20	57094360	57094407	57.09	3.00E-10	LOC348545
CL335459	RP44_253L3	T7	20	57768545	57768790	57.77	2.00E-92	LOC149773
CL322100	RP44_399N1	SP6	20	57811369	57811437	57.81	8.00E-11	LOC149773
CL352270	RP44_314O17	SP6	20	58016322	58016496	58.02	2.00E-14	LOC350940
CL322099	RP44_399N1	T7	20	58023139	58023208	58.02	1.00E-06	LOC350940
CL362675	RP44_380H3	T7	20	58110791	58111135	58.11	6.00E-15	GNAS
CL412625	RP44_431M20	T7	20	58110791	58111315	58.11	8.00E-15	GNAS
CL342186	RP44_261H4	SP6	20	58118911	58118947	58.12	6.00E-06	GNAS
CL371530	RP44_302H6	SP6	20	58299590	58300107	58.30	6.00E-34	NA
CL375034	RP44_471K13	T7	20	58525574	58525631	58.53	2.00E-11	EDN3
CL372524	RP44_305P2	SP6	20	59115225	59115697	59.12	2.00E-11	SYCP2
CL322935	RP44_437G14	T7	20	59616944	59617434	59.62	e-169	NA
CL330696	CH242_4P17	SP6	20	59626756	59626925	59.63	3.00E-26	NA
CL373205	RP44_308E18	T7	20	59812786	59813043	59.81	4.00E-38	NA
CL375104	RP44_471I3	SP6	20	60590555	60590593	60.59	3.00E-07	NA
CL382211	RP44_323B20	T7	20	62548599	62548708	62.55	3.00E-35	BIRC7
CL350411	RP44_310L10	T7	20	63026309	63026361	63.03	6.00E-06	KIAA1847
CL331607	CH242_8K9	SP6	21	14531830	14531983	14.53	2.00E-14	NA
CL323774	RP44_459F17	SP6	21	14602551	14602818	14.60	1.00E-28	ABCC13
CL323856	RP44_459N17	SP6	21	14602551	14602818	14.60	1.00E-28	ABCC13
CL342815	RP44_275P22	T7	21	14747772	14748170	14.75	4.00E-87	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL352652	RP44_401B11	SP6	21	14766997	14767490	14.77	2.00E-77	NA
CL343927	RP44_277L19	T7	21	14787085	14787424	14.79	1.00E-93	SAMSN1
CL336945	RP44_263L12	T7	21	14897758	14897935	14.90	6.00E-21	LOC343721
CL361203	RP44_344F20	SP6	21	14986033	14986414	14.99	1.00E-22	NA
CL330953	CH242_6C13	SP6	21	15157550	15157942	15.16	1.00E-19	LOC350982
CL389952	RP44_287H4	T7	21	15171388	15172066	15.17	e-105	NA
CL361131	RP44_344F20	T7	21	15171911	15172522	15.17	0	NA
CL353045	RP44_402A10	T7	21	15260977	15261543	15.26	0	NRIP1
CL388983	RP44_285P6	SP6	21	15299400	15299661	15.30	3.00E-49	NRIP1
CL390023	RP44_287H4	SP6	21	15361349	15361632	15.36	2.00E-20	NA
CL330877	CH242_6C13	T7	21	15378887	15379076	15.38	1.00E-37	NA
CL353122	RP44_402A10	SP6	21	15434685	15435230	15.43	e-174	NA
CL372581	RP44_306J5	T7	21	15933640	15934231	15.93	1.00E-53	LOC350984
CL337269	RP44_264K18	T7	21	15933666	15934231	15.93	2.00E-40	LOC350984
CL357047	RP44_412H5	T7	21	16157414	16157446	16.16	4.00E-06	USP25
CL387651	RP44_282E19	T7	21	16160366	16160541	16.16	1.00E-37	USP25
CL353595	RP44_403C24	SP6	21	16315056	16315372	16.32	4.00E-78	LOC343728
CL357130	RP44_412H5	SP6	21	16360989	16361089	16.36	7.00E-14	LOC343728
CL332707	CH242_12K14	T7	21	16530151	16530284	16.53	4.00E-10	LOC343730
CL359834	RP44_338M19	T7	21	16588048	16588229	16.59	4.00E-38	NA
CL348637	RP44_275K23	T7	21	16607573	16607970	16.61	6.00E-31	NA
CL333036	CH242_12N12	SP6	21	16718105	16718619	16.72	4.00E-44	NA
CL389069	RP44_286A3	SP6	21	16728938	16729404	16.73	3.00E-51	NA
CL327839	RP44_246B11	SP6	21	16729151	16729356	16.73	3.00E-21	NA
CL360271	RP44_339M17	T7	21	16825409	16825452	16.83	8.00E-06	LOC350985
CL362605	RP44_380E19	SP6	21	16841153	16841620	16.84	2.00E-15	NA
CL331759	CH242_8J23	SP6	21	16886010	16886620	16.89	5.00E-25	NA
CL338630	RP44_266O16	SP6	21	16900549	16900967	16.90	3.00E-26	NA
CL360302	RP44_339E23	SP6	21	16900595	16900967	16.90	3.00E-26	NA
CL355447	RP44_409P9	SP6	21	17370623	17371978	17.37	3.00E-17	NA
CL368074	RP44_288F5	T7	21	17466180	17466458	17.47	7.00E-12	LOC350987
CL366392	RP44_358F6	SP6	21	17936081	17936129	17.94	6.00E-06	LOC343733
CL350876	RP44_311L17	T7	21	18090067	18090406	18.09	7.00E-12	C21orf91
CL364982	RP44_400M20	T7	21	18090067	18090406	18.09	2.00E-14	C21orf91
CL350946	RP44_311L17	SP6	21	18253621	18254001	18.25	3.00E-11	NA
CL322422	RP44_404L2	T7	21	18416132	18416675	18.42	2.00E-40	NA
CL359552	RP44_337I3	T7	21	18445907	31150136	24.80	5.00E-06	LOC343734
CL408830	RP44_416I5	T7	21	18626256	18626414	18.63	2.00E-52	PRSS7
CL364733	RP44_398D7	SP6	21	18774939	18775059	18.77	3.00E-20	NA
CL372758	RP44_306J24	T7	21	19222259	19222430	19.22	1.00E-67	LOC343735
CL347280	RP44_272I6	T7	21	19386448	19386812	19.39	3.00E-57	LOC343736
CL350672	RP44_311A20	T7	21	19556867	19556917	19.56	2.00E-09	NA
CL323445	RP44_458A18	T7	21	19632643	19632921	19.63	5.00E-37	NA
CL371446	RP44_302P23	SP6	21	19634610	19635012	19.63	2.00E-71	NA
CL362661	RP44_380D1	T7	21	19634670	19635012	19.63	1.00E-75	NA
CL356531	RP44_411D7	SP6	21	19683076	19683126	19.68	4.00E-07	LOC350989
CL332004	CH242_10I21	T7	21	19725116	19725263	19.73	1.00E-19	LOC350989
CL362723	RP44_380D1	SP6	21	19735539	19735810	19.74	1.00E-28	LOC350989
CL356624	RP44_411J14	T7	21	19913087	19913342	19.91	2.00E-79	NA
CL388743	RP44_285I4	T7	21	20097901	20098258	20.10	5.00E-50	LOC284819
CL413499	RP44_433I12	SP6	21	20097901	20098291	20.10	5.00E-50	LOC284819
CL386764	RP44_334P16	T7	21	20097950	20098175	20.10	3.00E-41	LOC284819
CL324838	RP44_478H11	SP6	21	20400705	20400873	20.40	1.00E-58	NA
CL364317	RP44_396A20	SP6	21	20400705	20401038	20.40	e-104	NA
CL324837	RP44_478H11	T7	21	20429697	20430054	20.43	e-130	NA
CL355820	RP44_410E14	SP6	21	20600479	20600605	20.60	9.00E-22	NA
CL383350	RP44_326C24	T7	21	21080568	21080735	21.08	1.00E-13	LOC350990
CL338744	RP44_267G1	SP6	21	21343492	21343676	21.34	3.00E-51	NCAM2
CL388621	RP44_285O9	T7	21	21371867	21371909	21.37	2.00E-09	NCAM2
CL321085	CH242_15K2	T7	21	21511442	21511505	21.51	4.00E-10	NCAM2
CL363577	RP44_388L10	T7	21	21535409	21535453	21.54	5.00E-06	NCAM2
CL337217	RP44_264A2	T7	21	21766047	21766096	21.77	1.00E-06	NCAM2
CL408798	RP44_416A13	T7	21	22153901	22154181	22.15	1.00E-14	NA
CL385896	RP44_332L5	T7	21	22285396	22285442	22.29	4.00E-07	NA
CL361951	RP44_353G1	SP6	21	22979508	22979932	22.98	2.00E-91	NA

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CL327016	RP44_244H8	SP6	21	23086226	23086388	23.09	4.00E-22	NA
CL332761	CH242_12E14	SP6	21	23199965	23200005	23.20	3.00E-08	LOC343743
CL377465	RP44_449D16	SP6	21	23369828	23369892	23.37	3.00E-11	NA
CL413474	RP44_433E6	SP6	21	23390698	23390813	23.39	4.00E-10	NA
CL342333	RP44_262E1	SP6	21	23447517	23447579	23.45	4.00E-07	NA
CL380578	RP44_429O12	T7	21	23521747	25010329	24.27	3.00E-63	NA
CL375327	RP44_471D1	T7	21	23567827	23567924	23.57	3.00E-23	NA
CL380665	RP44_429O12	SP6	21	23707129	23707203	23.71	3.00E-08	LOC343745
CL339060	RP44_268C10	T7	21	24252603	25542673	24.90	6.00E-15	LOC350993
CL361417	RP44_350D18	T7	21	24333665	25627352	24.98	6.00E-06	LOC350993
CL320911	CH242_15C19	SP6	21	24997329	24997545	25.00	8.00E-21	NA
CL336886	RP44_263P13	SP6	21	25184129	25184533	25.18	9.00E-30	LOC339622
CL332809	CH242_12M22	SP6	21	25560042	25560488	25.56	1.00E-25	LOC350993
CL389547	RP44_286D10	SP6	21	25800702	25800811	25.80	1.00E-06	NA
CL363473	RP44_388D15	SP6	21	25905348	25908312	25.91	6.00E-12	NA
CL334642	RP44_251F20	SP6	21	26365051	26365386	26.37	1.00E-53	APP
CL409096	RP44_416B2	T7	21	26493781	26493822	26.49	4.00E-09	NA
CL352333	RP44_400P22	T7	21	26791483	26792523	26.79	6.00E-46	CYYR1
CL326012	RP44_242L13	SP6	21	26834060	26834264	26.83	5.00E-21	CYYR1
CL380674	RP44_429B7	T7	21	26858385	26858609	26.86	6.00E-21	CYYR1
CL372460	RP44_305B20	SP6	21	27093426	27093647	27.09	4.00E-47	LOC350994
CL374483	RP44_470A4	T7	21	27183152	27183502	27.18	1.00E-62	NA
CL327799	RP44_246H17	T7	21	27212049	27212172	27.21	8.00E-27	ADAMTS5
CL335431	RP44_253F5	T7	21	27214856	27215339	27.22	3.00E-69	ADAMTS5
CL374569	RP44_470A4	SP6	21	27302509	27302709	27.30	1.00E-22	NA
CL327869	RP44_246H17	SP6	21	27355144	27355191	27.36	5.00E-06	NA
CL327091	RP44_245G17	T7	21	27426449	27426530	27.43	1.00E-17	LOC150031
CL364878	RP44_400A11	T7	21	27486547	27486747	27.49	2.00E-24	LOC339623
CL327163	RP44_245G17	SP6	21	27560286	27560905	27.56	1.00E-41	NA
CL370416	RP44_295H19	SP6	21	27977537	27977854	27.98	1.00E-31	NA
CL389251	RP44_286E4	SP6	21	28248853	28249340	28.25	e-105	NA
CL321209	CH242_15H9	T7	21	28388612	28388859	28.39	3.00E-08	LOC284825
CL346695	RP44_271C16	SP6	21	28578254	28578725	28.58	4.00E-50	NA
CL341007	RP44_258P24	SP6	21	28710507	28710671	28.71	2.00E-18	LOC343751
CL327062	RP44_245A5	T7	21	28756320	28756556	28.76	7.00E-39	NA
CL328078	RP44_248C13	T7	21	28807972	28808436	28.81	4.00E-19	NA
CL337511	RP44_264P9	SP6	21	28949662	28949720	28.95	2.00E-09	LOC343754
CL346278	RP44_270B5	T7	21	28993139	28993197	28.99	9.00E-08	NA
CL377803	RP44_457E22	SP6	21	28993851	28993957	28.99	4.00E-19	NA
CL357274	RP44_412F6	SP6	21	29022115	29022176	29.02	5.00E-09	LOC343755
CL331753	CH242_8J7	SP6	21	29125965	29126367	29.13	9.00E-11	NA
CL381237	RP44_315H15	T7	21	29246231	29246455	29.25	1.00E-40	ZNF294
CL338396	RP44_266A19	SP6	21	29716058	29716711	29.72	3.00E-88	NA
CL340848	RP44_258N9	SP6	21	29824114	29824342	29.82	5.00E-37	NA
CL349649	RP44_309B5	SP6	21	29845975	29846594	29.85	1.00E-50	GRIK1
CL338320	RP44_266A19	T7	21	29864941	29865125	29.87	2.00E-30	GRIK1
CL349578	RP44_309B5	T7	21	29936462	29936905	29.94	8.00E-12	GRIK1
CL340771	RP44_258N9	T7	21	29968849	29969153	29.97	2.00E-08	GRIK1
CL340958	RP44_258F16	SP6	21	29980874	29981095	29.98	2.00E-15	GRIK1
CL324164	RP44_463N14	T7	21	30014107	30014143	30.01	2.00E-08	GRIK1
CL323991	RP44_463O14	T7	21	30014107	30014143	30.01	2.00E-08	GRIK1
CL386159	RP44_333C8	T7	21	30039794	30039967	30.04	4.00E-16	GRIK1
CL359360	RP44_336J3	SP6	21	30145393	30145789	30.15	9.00E-48	GRIK1
CL355657	RP44_410O19	T7	21	30572670	30572778	30.57	8.00E-12	NA
CL411209	RP44_420N17	T7	21	30666046	30666131	30.67	5.00E-09	NA
CL411164	RP44_420D21	T7	21	30666046	30666137	30.67	1.00E-06	NA
CL409630	RP44_417J23	SP6	21	30666300	30666647	30.67	4.00E-99	NA
CL336711	RP44_263K16	SP6	21	31023803	31023995	31.02	4.00E-10	NA
CL372342	RP44_305L1	SP6	21	31050948	31051250	31.05	1.00E-06	NA
CL347960	RP44_273O10	SP6	21	31258081	31258166	31.26	6.00E-06	LOC350998
CL331178	CH242_7A12	T7	21	31506109	31506291	31.51	3.00E-50	TIAM1
CL369538	RP44_29114	SP6	21	31641356	31641483	31.64	2.00E-20	TIAM1
CL388289	RP44_284N1	T7	21	31688756	31688931	31.69	6.00E-58	TIAM1
CL409854	RP44_418K19	SP6	21	31848763	31848860	31.85	2.00E-25	TIAM1
CL372771	RP44_306N6	T7	21	31863691	31863820	31.86	9.00E-14	NA

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CL372354	RP44_305N13	SP6	21	32379683	32379812	32.38	6.00E-15	NA
CL387405	RP44_281E22	SP6	21	32560786	32560952	32.56	1.00E-09	C21orf45
CL323906	RP44_463E19	T7	21	33143537	33143818	33.14	6.00E-11	NA
CL321018	CH242_15C18	SP6	21	33775576	33775644	33.78	3.00E-10	NA
CL377885	RP44_422P23	T7	21	33817469	33817724	33.82	5.00E-71	GART
CL328437	RP44_248N23	T7	21	33924163	33924370	33.92	6.00E-21	CRYZL1
CL367094	RP44_364O21	T7	21	34316817	34317050	34.32	2.00E-06	LOC343766
CL385563	RP44_330P24	SP6	21	34388183	34388888	34.39	0	SLC5A3
CL358122	RP44_414A10	T7	21	34554912	34556501	34.56	3.00E-27	NA
CL334305	RP44_251K20	T7	21	34564702	34564858	34.56	1.00E-16	LOC343768
CL347456	RP44_272L1	T7	21	35274268	35274376	35.27	2.00E-15	RUNX1
CL330142	CH242_306	SP6	21	35497783	35497983	35.50	2.00E-51	LOC343771
CL409867	RP44_418O5	SP6	21	35548621	35548796	35.55	4.00E-22	LOC351000
CL340074	RP44_256F20	SP6	21	35549532	35549656	35.55	4.00E-30	LOC351000
CL352451	RP44_401A22	T7	21	36145748	36146000	36.15	2.00E-23	LOC343777
CL386990	RP44_335C6	T7	21	36363612	36363737	36.36	1.00E-06	CBR1
CL358858	RP44_335C6	SP6	21	36515917	36516048	36.52	6.00E-32	C21orf5
CL342924	RP44_276E9	T7	21	36515917	36516048	36.52	6.00E-32	C21orf5
CL343866	RP44_277M20	SP6	21	36518289	36518350	36.52	2.00E-11	C21orf5
CL377712	RP44_457E2	T7	21	36667820	36667854	36.67	3.00E-07	NXP2
CL377795	RP44_457E2	SP6	21	36825435	36825758	36.83	3.00E-11	NA
CL363045	RP44_383C19	SP6	21	37721174	37721325	37.72	2.00E-17	DYRK1A
CL341519	RP44_260N6	T7	21	37874949	37875115	37.88	5.00E-06	NA
CL358527	RP44_414D24	SP6	21	37951590	37951688	37.95	7.00E-22	KCNJ6
CL385438	RP44_330H12	T7	21	38099392	38099560	38.10	3.00E-14	KCNJ6
CL363141	RP44_383G18	T7	21	38396601	38396629	38.40	6.00E-06	DSCR4
CL377485	RP44_449H18	SP6	21	38470439	38470623	38.47	8.00E-14	NA
CL373009	RP44_307B9	T7	21	38685545	38685607	38.69	7.00E-12	ERG
CL323225	RP44_457H4	SP6	21	38802777	38803061	38.80	9.00E-39	ERG
CL370395	RP44_295B23	SP6	21	38996367	38996557	39.00	1.00E-12	LOC343789
CL326117	RP44_243A17	T7	21	38996367	38996557	39.00	1.00E-12	LOC343789
CL348381	RP44_274F21	SP6	21	40225519	40225592	40.23	7.00E-09	NA
CL328893	RP44_373N24	T7	21	40445305	40445409	40.45	5.00E-25	DSCAM
CL410405	RP44_419C7	SP6	21	40445305	40445609	40.45	5.00E-25	DSCAM
CL366952	RP44_363O19	T7	21	40672815	40673039	40.67	4.00E-41	DSCAM
CL381486	RP44_315H20	SP6	21	41022699	41023204	41.02	1.00E-25	DSCAM
CL324135	RP44_463J20	T7	21	41081082	41081152	41.08	1.00E-09	DSCAM
CL377517	RP44_449P2	SP6	21	41090454	41090569	41.09	4.00E-22	DSCAM
CL343647	RP44_277A9	SP6	21	41310424	41310466	41.31	3.00E-07	NA
CL330529	CH242_4011	T7	21	42313835	42313880	42.31	1.00E-06	ZNF295
CL384671	RP44_329K4	SP6	21	43073665	43073773	43.07	1.00E-27	PDE9A
CL363632	RP44_388H14	SP6	21	43379894	43379972	43.38	6.00E-12	CBS
CL366856	RP44_362J14	SP6	21	43496391	43496633	43.50	2.00E-27	NA
CL340080	RP44_256H10	SP6	21	44260941	44260980	44.26	8.00E-08	AGPAT3
CL381567	RP44_31611	T7	21	44381701	44381746	44.38	1.00E-06	TMEM1
CL359678	RP44_337I6	T7	21	44568821	44568929	44.57	3.00E-13	AIRE
CL331157	CH242_6N11	SP6	21	44659271	44659357	44.66	2.00E-17	TRPM2
CL363345	RP44_383D21	SP6	21	45285255	45285286	45.29	9.00E-08	LOC343805
CL380614	RP44_429E22	SP6	21	45616672	45616732	45.62	3.00E-13	LOC343806
CL335966	RP44_254L2	SP6	21	46764785	46764840	46.76	4.00E-10	DIP2
CL387800	RP44_283E13	T7	22	16661086	16661207	16.66	2.00E-32	KIAA0819
CL367249	RP44_365E7	SP6	22	16755902	16756314	16.76	2.00E-08	KIAA1364
CL339656	RP44_255N2	SP6	22	16804337	16804400	16.80	4.00E-10	NA
CL326561	RP44_243D10	SP6	22	18121570	18121763	18.12	2.00E-54	TBX1
CL335382	RP44_253I6	SP6	22	18474744	18474823	18.47	3.00E-10	HTF9C
CL387483	RP44_281F19	T7	22	18475504	18475566	18.48	9.00E-10	HTF9C
CL387364	RP44_281M14	T7	22	19231892	19232050	19.23	4.00E-10	PCQAP
CL352175	RP44_314K3	T7	22	21811701	21811806	21.81	1.00E-13	NA
CL325257	RP44_479P23	SP6	22	21951769	21951943	21.95	3.00E-50	BCR
CL325256	RP44_479P23	T7	22	21951796	21951945	21.95	3.00E-28	BCR
CL371812	RP44_304P19	T7	22	22777198	22777396	22.78	6.00E-67	CABIN1
CL346598	RP44_270P20	SP6	22	23054324	23054511	23.05	2.00E-23	KIAA0376
CL367028	RP44_364A21	T7	22	23278236	23278337	23.28	1.00E-15	SNRPD3
CL348235	RP44_274I19	SP6	22	23710146	23710395	23.71	2.00E-38	NA
CL326786	RP44_244E2	T7	22	24021235	24324990	24.17	4.00E-21	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL382942	RP44_325G14	SP6	22	24421697	24422171	24.42	9.00E-70	NA
CL347181	RP44_272E13	SP6	22	24574175	24574583	24.57	e-134	MYO18B
CL382867	RP44_325G14	T7	22	24594803	24594859	24.59	1.00E-10	MYO18B
CL344073	RP44_278M9	T7	22	24670871	24670982	24.67	1.00E-43	MYO18B
CL370092	RP44_294B21	T7	22	24808000	24808082	24.81	1.00E-09	LOC351042
CL371074	RP44_301C21	SP6	22	24822003	24822186	24.82	6.00E-25	LOC351042
CL344152	RP44_278M9	SP6	22	24915422	24915686	24.92	6.00E-27	NA
CL381535	RP44_316A21	T7	22	25568160	25568218	25.57	2.00E-14	NA
CL386457	RP44_334E2	T7	22	25831368	25831895	25.83	e-149	LOC348623
CL413624	RP44_433D16	SP6	22	25995754	25995988	26.00	5.00E-06	LOC343861
CL356660	RP44_411B14	SP6	22	26028005	26028213	26.03	6.00E-21	LOC343861
CL413962	RP44_435D19	T7	22	26113052	26113262	26.11	4.00E-49	NA
CL371752	RP44_304F5	T7	22	26268676	26268940	26.27	3.00E-23	LOC351045
CL346191	RP44_270M17	T7	22	26357737	26357901	26.36	3.00E-13	LOC348624
CL371839	RP44_304F5	SP6	22	26524882	26525389	26.53	3.00E-23	NA
CL347408	RP44_272B5	T7	22	26570646	26570700	26.57	2.00E-09	NA
CL346261	RP44_270M17	SP6	22	26586414	26586488	26.59	4.00E-10	PITPNB
CL343433	RP44_276H6	T7	22	26608685	26608771	26.61	1.00E-07	PITPNB
CL343514	RP44_276H6	SP6	22	26798642	26798927	26.80	3.00E-63	KIAA1043
CL334314	RP44_251M16	T7	22	26860757	26861311	26.86	3.00E-94	NA
CL368296	RP44_288F14	SP6	22	26956961	26956994	26.96	1.00E-06	LOC343865
CL365472	RP44_353D22	SP6	22	27041995	27042293	27.04	1.00E-07	NA
CL334615	RP44_251P18	T7	22	27223859	27223938	27.22	6.00E-08	NA
CL335704	RP44_254A11	T7	22	27636949	27637224	27.64	5.00E-16	FLJ12747
CL352791	RP44_401L16	T7	22	27750390	27750550	27.75	1.00E-44	FLJ12747
CL360455	RP44_339B1	T7	22	27826308	27826379	27.83	3.00E-15	KREMEN1
CL352868	RP44_401L16	SP6	22	27975885	27976021	27.98	5.00E-25	EMU1
CL337156	RP44_264E3	SP6	22	28338893	28339408	28.34	2.00E-51	NF2
CL380228	RP44_428P12	T7	22	28409335	28410274	28.41	1.00E-62	NF2
CL381075	RP44_314J12	T7	22	28513937	28514217	28.51	8.00E-24	FLJ21588
CL380954	RP44_314P19	T7	22	28513955	28514217	28.51	1.00E-21	FLJ21588
CL381157	RP44_314J12	SP6	22	28693416	28693552	28.69	4.00E-07	MTMR3
CL381030	RP44_314P19	SP6	22	28693416	28693552	28.69	3.00E-07	MTMR3
CL375727	RP44_436B8	SP6	22	28896039	28897236	28.90	2.00E-20	MGC26710
CL330771	CH242_4P8	T7	22	29019952	29020618	29.02	1.00E-49	EPI64
CL364596	RP44_396H6	SP6	22	29027155	29027210	29.03	2.00E-10	EPI64
CL359238	RP44_335P4	SP6	22	29031529	29032021	29.03	1.00E-16	EPI64
CL411214	RP44_420P5	T7	22	29094138	29094269	29.09	2.00E-29	KIAA1656
CL339460	RP44_268H18	SP6	22	29660153	29660438	29.66	4.00E-28	KIAA0852
CL410684	RP44_419L1	SP6	22	29685349	29685451	29.69	1.00E-12	KIAA0852
CL371925	RP44_304F12	T7	22	29686661	29686894	29.69	1.00E-12	KIAA0852
CL385426	RP44_330F8	T7	22	29690600	29691296	29.69	2.00E-46	FLJ20618
CL324865	RP44_478N19	SP6	22	29826191	29826498	29.83	2.00E-16	SELM
CL339381	RP44_268H18	T7	22	29881987	29882085	29.88	7.00E-18	FLJ38628
CL410609	RP44_419L1	T7	22	29900071	29900160	29.90	4.00E-06	FLJ38628
CL376155	RP44_443D9	T7	22	29988407	29988762	29.99	1.00E-24	LIMK2
CL365409	RP44_353F22	T7	22	30178854	30179385	30.18	1.00E-90	EIF4ENIF1
CL333402	RP44_249H18	T7	22	30677686	30677774	30.68	6.00E-14	YWHAH
CL343285	RP44_276J13	T7	22	30787228	30787317	30.79	2.00E-06	SLC5A1
CL361015	RP44_343L5	T7	22	30822516	30944978	30.88	4.00E-77	SLC5A4
CL371897	RP44_304P17	SP6	22	31184574	31185181	31.18	7.00E-80	NA
CL345929	RP44_269A10	SP6	22	31204431	31204670	31.20	1.00E-50	FBXO7
CL366551	RP44_362G18	SP6	22	31233194	31233797	31.23	7.00E-18	SYN3
CL329933	CH242_3G15	SP6	22	31233228	31233453	31.23	5.00E-16	SYN3
CL367827	RP44_372F17	SP6	22	31416918	31417093	31.42	2.00E-41	SYN3
CL329850	CH242_3G15	T7	22	31482338	31482422	31.48	1.00E-22	SYN3
CL348988	RP44_275P3	T7	22	31497939	31497972	31.50	1.00E-06	SYN3
CL380575	RP44_429O4	T7	22	31541262	31541551	31.54	1.00E-40	TIMP3
CL350704	RP44_311I8	T7	22	31547780	31548069	31.55	5.00E-71	TIMP3
CL335468	RP44_253N3	T7	22	31581035	31581671	31.58	4.00E-50	TIMP3
CL340318	RP44_257I14	T7	22	31697017	31697422	31.70	e-122	SYN3
CL359256	RP44_336D3	T7	22	31826152	31826378	31.83	2.00E-36	LOC343875
CL379910	RP44_428C10	SP6	22	31992090	31992195	31.99	6.00E-09	NA
CL362630	RP44_380K13	SP6	22	32188152	32188290	32.19	2.00E-40	LARGE
CL371023	RP44_301G19	T7	22	32229431	32229585	32.23	1.00E-68	LARGE

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CL341084	RP44_259A18	SP6	22	32430600	32430689	32.43	9.00E-07	LARGE
CL411963	RP44_430I22	T7	22	32435910	32435950	32.44	3.00E-08	LARGE
CL375560	RP44_471D2	SP6	22	32506539	32506590	32.51	2.00E-10	LARGE
CL322386	RP44_404F22	SP6	22	32673735	32673992	32.67	3.00E-92	LOC343877
CL341985	RP44_261J15	T7	22	33358103	33358503	33.36	5.00E-55	NA
CL348814	RP44_275O4	T7	22	33426913	33426959	33.43	4.00E-07	LOC343881
CL321098	CH242_15K14	SP6	22	33628779	33628952	33.63	6.00E-12	LOC351052
CL324985	RP44_478N2	T7	22	33713191	33713612	33.71	2.00E-11	LOC351052
CL331562	CH242_8C1	SP6	22	33766119	33766227	33.77	3.00E-13	LOC351052
CL321097	CH242_15K14	T7	22	33831925	33832033	33.83	3.00E-20	NA
CL342751	RP44_262F10	T7	22	33857884	33857935	33.86	2.00E-12	NA
CL359111	RP44_335D20	T7	22	34248871	34248922	34.25	6.00E-08	LOC339668
CL348589	RP44_275A21	T7	22	34643413	34643492	34.64	2.00E-12	RBM9
CL343113	RP44_276G20	T7	22	35084382	35084428	35.08	2.00E-07	LOC351054
CL374416	RP44_470E3	SP6	22	35123023	35123142	35.12	2.00E-08	NA
CL348612	RP44_275G5	T7	22	35129294	35129369	35.13	1.00E-19	FLJ23322
CL324044	RP44_463J19	T7	22	35283916	35283974	35.28	1.00E-09	CACNG2
CL378703	RP44_424N10	SP6	22	35476155	35476345	35.48	5.00E-22	NA
CL378636	RP44_424N10	T7	22	35643053	35643110	35.64	1.00E-06	LOC339669
CL325683	RP44_241P18	SP6	22	35951081	35951131	35.95	2.00E-14	PSCD4
CL409242	RP44_417E11	T7	22	36072064	36072445	36.07	2.00E-14	NA
CL325615	RP44_241P18	T7	22	36156303	36156345	36.16	3.00E-07	CARD10
CL321702	CH242_13M24	SP6	22	36205328	36205447	36.21	2.00E-10	CDC42EP1
CL388070	RP44_284O23	SP6	22	36253222	36253329	36.25	2.00E-36	GGA1
CL350894	RP44_311P11	T7	22	36404713	36404875	36.40	4.00E-62	HRIHFB2122
CL357521	RP44_413G6	T7	22	36534310	36534349	36.53	3.00E-10	NA
CL330423	CH242_3F6	SP6	22	36709880	36709942	36.71	5.00E-12	PRKCABP
CL348786	RP44_275I18	T7	22	37160641	37160951	37.16	2.00E-70	DMC1
CL413244	RP44_432J14	T7	22	37323154	37323239	37.32	2.00E-06	TOMM22
CL357635	RP44_413M6	SP6	22	37343701	37344136	37.34	1.00E-06	NA
CL357962	RP44_413N6	SP6	22	37343701	37344136	37.34	6.00E-12	NA
CL326547	RP44_243P14	T7	22	37360768	37360921	37.36	2.00E-54	GTPBP1
CL373805	RP44_469M15	SP6	22	37505100	37505295	37.51	2.00E-08	CBX6
CL339248	RP44_268N9	T7	22	37854060	37854186	37.85	3.00E-07	LOC343891
CL361204	RP44_344F24	SP6	22	38545237	38545825	38.55	3.00E-54	GRAP2
CL346595	RP44_270P10	SP6	22	38565469	38565991	38.57	e-117	GRAP2
CL360283	RP44_339A13	SP6	22	38619777	38619862	38.62	1.00E-09	NA
CL327430	RP44_245H15	SP6	22	38905695	38905990	38.91	2.00E-99	KIAA1093
CL327474	RP44_246A5	T7	22	38971814	38972524	38.97	2.00E-14	NA
CL365658	RP44_354O7	SP6	22	39106316	39106695	39.11	9.00E-14	MKL1
CL321705	CH242_13O8	SP6	22	39166205	39166400	39.17	6.00E-06	MKL1
CL360144	RP44_338L18	SP6	22	39203657	39204061	39.20	7.00E-16	MKL1
CL361144	RP44_344J8	T7	22	39290615	39290652	39.29	2.00E-09	NA
CL358055	RP44_414A3	SP6	22	39508996	39509046	39.51	1.00E-09	LOC63929
CL383032	RP44_325J3	T7	22	39788970	39789252	39.79	1.00E-90	EP300
CL343818	RP44_277E2	SP6	22	40137406	40137434	40.14	7.00E-06	ACO2
CL365575	RP44_354I17	T7	22	40188694	40188874	40.19	1.00E-09	NA
CL366699	RP44_362H17	SP6	22	40899041	40899406	40.90	1.00E-10	LOC343893
CL321186	CH242_15F1	T7	22	40921355	40921650	40.92	6.00E-37	NA
CL366624	RP44_362H17	T7	22	41088321	41088460	41.09	9.00E-08	NA
CL321793	CH242_13P15	T7	22	41255083	41255232	41.26	2.00E-49	DIA1
CL323852	RP44_459N13	SP6	22	41444653	41444839	41.44	6.00E-49	ARFGAP3
CL320885	CH242_13P15	SP6	22	41503825	41503909	41.50	1.00E-27	PACSLN2
CL323851	RP44_459N13	T7	22	41637746	41637909	41.64	2.00E-17	PACSLN2
CL349377	RP44_309I3	SP6	22	41638127	41638342	41.64	2.00E-36	PACSLN2
CL375496	RP44_471F6	T7	22	41756552	41756679	41.76	5.00E-12	BIK
CL327829	RP44_246P3	T7	22	41760054	41760350	41.76	3.00E-44	bK1191B2.3
CL336533	RP44_263I11	SP6	22	41760054	41760364	41.76	6.00E-48	bK1191B2.3
CL361209	RP44_344H18	SP6	22	42493030	42493176	42.49	8.00E-36	SULT4A1
CL386759	RP44_334P6	T7	22	42802189	42802580	42.80	6.00E-12	PARVB
CL325479	RP44_241D5	SP6	22	43313852	43313897	43.31	1.00E-06	LOC343903
CL325537	RP44_241P1	SP6	22	43313852	43313897	43.31	1.00E-06	LOC343903
CL327574	RP44_246E21	SP6	22	43313852	43313897	43.31	1.00E-06	LOC343903
CL359965	RP44_338H23	T7	22	44303789	44303844	44.30	2.00E-10	NA
CL329091	RP44_382B24	T7	22	44510897	44511109	44.51	3.00E-16	E46L

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CL349998	RP44_310I5	SP6	22	45536052	45536084	45.54	6.00E-06	C22orf4
CL321141	CH242_15O24	T7	22	45618218	45618262	45.62	1.00E-06	C22orf4
CL337255	RP44_264I4	T7	22	45716008	46547744	46.13	5.00E-06	C22orf4
CL440077	RP44_299D14	T7	22	46536576	46536827	46.54	1.00E-06	NA
CL355236	RP44_409E4	SP6	22	46582077	46582237	46.58	3.00E-10	NA
CL367264	RP44_365G19	SP6	22	46904477	46904509	46.90	2.00E-06	NA
CL343882	RP44_277B15	T7	g NT_07	20441	21107	0.02	8.00E-55	NA
CL376143	RP44_443O24	T7	g NT_07	14620	14880	0.01	4.00E-62	NA
CL340234	RP44_257G21	SP6	g NT_07	38547	38607	0.04	3.00E-08	NA
CL385205	RP44_330E2	SP6	g NT_07	38547	38607	0.04	3.00E-08	NA
CL378638	RP44_424N18	T7	g NT_07	88291	88645	0.09	6.00E-15	NA
CL411857	RP44_430I1	SP6	g NT_07	37923	37981	0.04	4.00E-07	NA
CL374570	RP44_470A6	SP6	g NT_07	37923	37981	0.04	4.00E-07	NA
CL440018	RP44_299E8	T7	g NT_07	84884	85385	0.09	3.00E-72	NA
CL386955	RP44_335K21	SP6	g NT_07	84889	85399	0.09	4.00E-78	NA
CL349891	RP44_310C5	T7	g NT_07	169820	170201	0.17	1.00E-31	NA
CL381222	RP44_315F3	T7	g NT_07	78452	78640	0.08	5.00E-18	NA
CL386109	RP44_332L2	SP6	g NT_07	71182	71236	0.07	1.00E-09	NA
CL336464	RP44_262J10	SP6	g NT_07	160977	161140	0.16	7.00E-29	NA
CL365705	RP44_355L1	T7	g NT_07	102389	103376	0.10	e-125	NA
CL353956	RP44_405M21	T7	g NT_07	135885	135963	0.14	3.00E-12	NA
CL348599	RP44_275C19	T7	g NT_07	138314	138478	0.14	8.00E-11	NA
CL383269	RP44_325F12	SP6	g NT_07	67428	67970	0.07	0	NA
CL343260	RP44_276F3	T7	g NT_07	63907	63953	0.06	4.00E-07	NA
CL338650	RP44_267C13	T7	g NT_07	118082	118250	0.12	7.00E-18	NA
CL351028	RP44_311J22	T7	g NT_07	134802	135267	0.14	2.00E-15	NA
CL345318	RP44_280G15	T7	g NT_07	129222	129515	0.13	5.00E-31	NA
CL355776	RP44_410M6	T7	g NT_07	89338	89412	0.09	1.00E-12	NA
CL356384	RP44_411M16	T7	g NT_07	62390	101984	0.08	7.00E-61	NA
CL380565	RP44_429M6	T7	g NT_07	72614	110592	0.09	6.00E-19	NA
CL332910	CH242_12F12	T7	igNT_07	145895	146365	0.15	e-136	NA
CL321944	CH242_15L4	T7	igNT_07	114199	114246	0.11	1.00E-07	NA
CL329947	CH242_3I23	SP6	igNT_07	14814	14858	0.01	2.00E-08	NA
CL413401	RP44_433G12	T7	X	625726	625758	0.63	6.00E-06	LOC352859
CL390337	RP44_288E16	SP6	X	3656366	3656530	3.66	2.00E-08	NA
CL381722	RP44_316G2	T7	X	4274978	4275024	4.28	4.00E-07	NA
CL368226	RP44_288F16	T7	X	5453870	5453978	5.45	2.00E-08	NLGN4
CL379700	RP44_428K19	T7	X	5766204	5766263	5.77	1.00E-07	LOC139880
CL373217	RP44_308G20	T7	X	7389657	11923392	9.66	6.00E-06	KIAA0316
CL410785	RP44_419B22	SP6	X	8119674	10521504	9.32	6.00E-27	ARHGAP6
CL347058	RP44_271L22	SP6	X	8184443	8184506	8.18	3.00E-10	LOC347495
CL373655	RP44_469A21	T7	X	8422676	8422724	8.42	3.00E-08	NA
CL413151	RP44_432C21	SP6	X	8504854	8505045	8.50	3.00E-11	NA
CL440194	RP44_299N20	SP6	X	8524137	8524183	8.52	1.00E-09	LOC347497
CL373741	RP44_469A21	SP6	X	8564048	8564135	8.56	6.00E-15	LOC347497
CL383621	RP44_326P20	SP6	X	8651747	8651909	8.65	3.00E-13	NA
CL345836	RP44_280L4	T7	X	9664868	9664965	9.66	3.00E-11	NA
CL389381	RP44_286B3	SP6	X	9756373	9756422	9.76	6.00E-09	NA
CL334399	RP44_251O10	SP6	X	10022284	10022779	10.02	e-143	MID1
CL321001	CH242_15A24	SP6	X	10325951	10326210	10.33	7.00E-15	LOC340589
CL334802	RP44_252G7	SP6	X	10766314	10766413	10.77	3.00E-10	ARHGAP6
CL387923	RP44_283O3	SP6	X	10766314	10766413	10.77	4.00E-10	ARHGAP6
CL377591	RP44_457M9	T7	X	10769071	10769603	10.77	2.00E-42	ARHGAP6
CL364924	RP44_400A18	T7	X	10930041	10930428	10.93	4.00E-19	ARHGAP6
CL439784	RP44_297B4	T7	X	11131046	11131128	11.13	1.00E-09	NA
CL364999	RP44_400A18	SP6	X	11133857	11134088	11.13	2.00E-30	NA
CL321762	CH242_13J11	T7	X	11145076	11145366	11.15	3.00E-16	NA
CL439866	RP44_297B4	SP6	X	11315810	11316025	11.32	1.00E-28	LOC347502
CL322292	RP44_404I6	T7	X	11561046	11561427	11.56	1.00E-67	KIAA0316
CL375106	RP44_471I7	SP6	X	11806943	11807018	11.81	3.00E-10	KIAA0316
CL333231	RP44_249K17	SP6	X	12453597	12453749	12.45	1.00E-12	NA
CL409739	RP44_417D18	SP6	X	12674843	12675063	12.67	1.00E-31	NA
CL330468	CH242_3N8	SP6	X	12735629	12736060	12.74	3.00E-32	NA
CL413168	RP44_432G7	SP6	X	12846140	12846431	12.85	1.00E-07	EGFL6
CL381038	RP44_314B20	T7	X	13154077	13154238	13.15	1.00E-06	GPM6B

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL342457	RP44_262M4	T7	X	13366205	13366375	13.37	3.00E-11	NA
CL342539	RP44_262M4	SP6	X	13574821	13574989	13.57	4.00E-44	NA
CL412165	RP44_430B13	T7	X	13799238	13799498	13.80	9.00E-10	GLRA2
CL332592	CH242_12E19	SP6	X	13886016	13886429	13.89	7.00E-21	GLRA2
CL366813	RP44_362P24	T7	X	13891194	13891287	13.89	4.00E-16	GLRA2
CL332503	CH242_12E23	T7	X	14015281	14015578	14.02	3.00E-14	NA
CL382790	RP44_325G11	SP6	X	14285061	14285685	14.29	5.00E-13	LOC352814
CL352781	RP44_401J20	T7	X	14510942	14511138	14.51	6.00E-25	ASB11
CL349855	RP44_309L14	SP6	X	14889663	14944643	14.92	3.00E-20	CA5B
CL349777	RP44_309L14	T7	X	15038362	15038506	15.04	2.00E-15	U2AF1RS2
CL381925	RP44_323G19	SP6	X	15243428	15243593	15.24	1.00E-25	NA
CL329400	RP44_394C18	T7	X	15328724	15328808	15.33	5.00E-18	NA
CL329401	RP44_394C18	SP6	X	15458754	15458858	15.46	4.00E-09	NA
CL336705	RP44_263K4	SP6	X	15872512	15872551	15.87	2.00E-10	CALB3
CL329627	RP44_394N19	SP6	X	16007659	16007697	16.01	2.00E-07	CXorf15
CL368716	RP44_289J3	T7	X	17513578	17513707	17.51	2.00E-15	SCML2
CL344251	RP44_278O16	T7	X	17733922	17733986	17.73	3.00E-08	CDKL5
CL334393	RP44_251M20	SP6	X	17922155	17922213	17.92	4.00E-07	PPEF1
CL380531	RP44_429G6	T7	X	17989472	17989630	17.99	3.00E-41	PPEF1
CL367884	RP44_374F3	T7	X	18169724	18169995	18.17	2.00E-10	PHKA2
CL338648	RP44_267C9	T7	X	18224512	18225057	18.22	8.00E-36	GPR64
CL380618	RP44_429G6	SP6	X	18244038	18244420	18.24	2.00E-30	GPR64
CL360618	RP44_340F20	T7	X	18322136	18322432	18.32	2.00E-14	GPR64
CL343338	RP44_276D17	SP6	X	18698775	18699069	18.70	8.00E-17	NA
CL321257	CH242_15L15	T7	X	18765722	18765770	18.77	8.00E-11	SH3KBP1
CL371774	RP44_304J5	T7	X	18826683	18826763	18.83	8.00E-09	SH3KBP1
CL333743	RP44_250E12	SP6	X	18847844	18848334	18.85	1.00E-31	SH3KBP1
CL321258	CH242_15L15	SP6	X	18959881	18960238	18.96	1.00E-19	SH3KBP1
CL337504	RP44_264N19	SP6	X	18964500	18964710	18.96	7.00E-30	SH3KBP1
CL371861	RP44_304J5	SP6	X	18995730	18996163	19.00	2.00E-42	SH3KBP1
CL389325	RP44_286F5	T7	X	19213572	19213706	19.21	2.00E-17	NA
CL374402	RP44_470A19	SP6	X	19233736	19234065	19.23	2.00E-12	FLJ14503
CL367390	RP44_367C24	SP6	X	19435676	19436325	19.44	1.00E-31	RPS6KA3
CL324456	RP44_474N10	T7	X	19679230	19679635	19.68	2.00E-17	LOC286731
CL384582	RP44_329G20	T7	X	19864152	19864307	19.86	3.00E-11	NA
CL381421	RP44_315L14	T7	X	19933669	19933773	19.93	9.00E-11	NA
CL384659	RP44_329G20	SP6	X	20073218	20073710	20.07	e-127	LOC340524
CL324281	RP44_474I14	T7	X	20198817	20198866	20.20	1.00E-06	LOC340524
CL371990	RP44_304B16	SP6	X	20325364	20325560	20.33	3.00E-10	NA
CL331137	CH242_6J13	SP6	X	20591209	20591598	20.59	7.00E-18	NA
CL390014	RP44_287F4	SP6	X	20969445	20969666	20.97	4.00E-13	SMPX
CL359658	RP44_337C12	T7	X	21115426	21115476	21.12	4.00E-07	LOC286395
CL379882	RP44_428M18	T7	X	21587219	21587777	21.59	e-156	NA
CL331957	CH242_10A15	T7	X	22132425	22132461	22.13	5.00E-06	LOC349396
CL359157	RP44_335N16	T7	X	22355232	22355423	22.36	1.00E-50	NA
CL352297	RP44_314E8	T7	X	22496274	22496497	22.50	4.00E-07	NA
CL360042	RP44_338H7	SP6	X	22547237	22547345	22.55	6.00E-09	NA
CL351220	RP44_312O5	T7	X	22572544	22572791	22.57	4.00E-13	FLJ30296
CL354033	RP44_405O1	SP6	X	22616991	22617356	22.62	7.00E-73	NA
CL376086	RP44_443O9	T7	X	22638707	22638814	22.64	1.00E-06	LOC340568
CL409180	RP44_416F10	SP6	X	22771846	22772017	22.77	2.00E-20	NA
CL328736	RP44_370N18	T7	X	22771846	22772157	22.77	2.00E-20	NA
CL362496	RP44_377O12	SP6	X	22895229	22895512	22.90	7.00E-24	PRDX4
CL328737	RP44_370N18	SP6	X	22952804	22952954	22.95	4.00E-22	ACATE2
CL362887	RP44_380F14	SP6	X	23797603	23798809	23.80	7.00E-40	PCYT1B
CL362171	RP44_375I3	SP6	X	23814742	23815012	23.81	4.00E-72	PCYT1B
CL358325	RP44_414L11	T7	X	23968472	23968688	23.97	7.00E-73	POLA
CL365399	RP44_353D20	T7	X	24014492	24014725	24.01	1.00E-12	POLA
CL381215	RP44_315D11	T7	X	24037140	24037300	24.04	2.00E-09	POLA
CL349229	RP44_308J2	SP6	X	24078390	24078536	24.08	1.00E-16	POLA
CL358396	RP44_414L11	SP6	X	24135175	24135525	24.14	2.00E-32	POLA
CL326341	RP44_243A16	SP6	X	24198286	24198395	24.20	3.00E-07	POLA
CL349151	RP44_308J2	T7	X	24292878	24293028	24.29	8.00E-24	NA
CL326272	RP44_243A16	T7	X	24377722	24378006	24.38	4.00E-19	NA
CL389544	RP44_286D4	SP6	X	24600831	24600870	24.60	9.00E-08	NA

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CL374262	RP44_469H4	SP6	X	24628040	24628278	24.63	3.00E-32	NA
CL381587	RP44_316K21	T7	X	24628040	24634475	24.63	3.00E-32	NA
CL346263	RP44_270M21	SP6	X	24754119	24754180	24.75	2.00E-06	NA
CL389469	RP44_286D4	T7	X	24766104	24766421	24.77	2.00E-36	NA
CL325364	RP44_241G23	SP6	X	24971695	24971986	24.97	7.00E-52	NA
CL339468	RP44_268J14	SP6	X	25296893	25296956	25.30	3.00E-10	NA
CL414169	RP44_436C8	T7	X	25454613	25454877	25.45	1.00E-10	NA
CL348259	RP44_274O5	SP6	X	25561762	25561936	25.56	5.00E-32	NA
CL380049	RP44_428N17	T7	X	25569689	25569766	25.57	2.00E-06	NA
CL348184	RP44_274O5	T7	X	25751317	25751392	25.75	1.00E-12	LOC139538
CL372883	RP44_307C14	T7	X	25958870	25959095	25.96	4.00E-50	NA
CL414426	RP44_436F23	SP6	X	26171545	26171693	26.17	7.00E-27	NA
CL365456	RP44_353B8	SP6	X	26175634	26175723	26.18	2.00E-06	NA
CL382260	RP44_323L10	T7	X	26191250	26191521	26.19	5.00E-27	NA
CL372952	RP44_307C14	SP6	X	26191274	26191521	26.19	4.00E-27	NA
CL365384	RP44_353B8	T7	X	26314046	26314201	26.31	3.00E-08	LOC352820
CL352210	RP44_314A13	SP6	X	26346618	26346987	26.35	8.00E-92	LOC352820
CL355494	RP44_409J20	T7	X	26371606	26372238	26.37	6.00E-22	LOC352820
CL355510	RP44_409N14	T7	X	26371923	26372082	26.37	1.00E-19	LOC352820
CL321283	CH242_15N19	SP6	X	26993069	26993122	26.99	6.00E-09	NA
CL327042	RP44_244L24	SP6	X	27187223	27187483	27.19	1.00E-42	NA
CL349082	RP44_275B16	T7	X	27267487	27267703	27.27	8.00E-30	NA
CL381949	RP44_323O3	SP6	X	27472192	27472590	27.47	2.00E-89	NA
CL366596	RP44_362B13	T7	X	27577626	27578061	27.58	4.00E-34	NA
CL379801	RP44_428O3	SP6	X	27618270	27618394	27.62	3.00E-08	NA
CL346154	RP44_270E1	T7	X	27753491	27753625	27.75	6.00E-06	NA
CL363452	RP44_388P5	T7	X	27810143	27810503	27.81	1.00E-49	IL1RAPL1
CL324006	RP44_463B21	T7	X	27821651	27821683	27.82	4.00E-06	IL1RAPL1
CL350857	RP44_311H21	T7	X	28100560	28100761	28.10	4.00E-10	IL1RAPL1
CL356024	RP44_410N15	SP6	X	28189501	28189836	28.19	7.00E-52	IL1RAPL1
CL350951	RP44_311H21	SP6	X	28241639	28241818	28.24	2.00E-06	IL1RAPL1
CL338941	RP44_268C15	T7	X	28682498	28682942	28.68	e-130	IL1RAPL1
CL323475	RP44_458G2	T7	X	28808952	28809073	28.81	1.00E-13	IL1RAPL1
CL332805	CH242_12M14	SP6	X	29059249	29059728	29.06	4.00E-10	IL1RAPL1
CL346418	RP44_270N7	SP6	X	29220453	29220600	29.22	1.00E-08	LOC352821
CL332718	CH242_12M14	T7	X	29250440	29250502	29.25	2.00E-08	NA
CL371276	RP44_302M22	SP6	X	29956809	29956905	29.96	2.00E-15	NA
CL347288	RP44_272I22	T7	X	30455780	30455850	30.46	4.00E-07	DMD
CL331822	CH242_9G11	T7	X	30826722	30827275	30.83	2.00E-80	DMD
CL373916	RP44_469C4	SP6	X	30898909	30899599	30.90	1.00E-22	DMD
CL331903	CH242_9G11	SP6	X	30965093	30965621	30.97	9.00E-21	DMD
CL348922	RP44_275B17	T7	X	30968140	30968227	30.97	3.00E-17	DMD
CL373832	RP44_469C4	T7	X	31074476	31074576	31.07	6.00E-06	DMD
CL382266	RP44_323L24	T7	X	31213067	31213686	31.21	7.00E-95	DMD
CL410729	RP44_419F12	T7	X	31355446	31355952	31.36	3.00E-28	DMD
CL323759	RP44_459F3	T7	X	32038335	32038546	32.04	1.00E-46	DMD
CL331219	CH242_7I16	T7	X	32417131	32417292	32.42	2.00E-30	DMD
CL358903	RP44_335K22	SP6	X	32572985	32573017	32.57	6.00E-06	NA
CL336382	RP44_263A5	T7	X	32776795	32776839	32.78	3.00E-08	NA
CL386195	RP44_333M18	T7	X	32804795	32805438	32.81	e-102	LOC352822
CL328236	RP44_248E16	T7	X	32846612	32847022	32.85	1.00E-68	LOC352822
CL341791	RP44_261C20	T7	X	33273288	33273684	33.27	2.00E-30	NA
CL375185	RP44_471G22	T7	X	34235073	34235240	34.24	2.00E-17	LOC347449
CL327659	RP44_246I12	T7	X	34678463	34678510	34.68	9.00E-08	NA
CL366171	RP44_358D9	T7	X	34709007	35587432	35.15	3.00E-41	LOC158730
CL335670	RP44_253J18	SP6	X	34896958	35411873	35.15	2.00E-11	LOC347451
CL385777	RP44_332A22	SP6	X	35400979	35401032	35.40	2.00E-11	LOC347451
CL388601	RP44_285K13	T7	X	35826891	35826990	35.83	7.00E-15	NA
CL370023	RP44_293M10	T7	X	36034314	36034470	36.03	4.00E-24	NA
CL380089	RP44_428F17	SP6	X	36148765	36213667	36.18	4.00E-13	PRRG1
CL380007	RP44_428F17	T7	X	36227039	36227378	36.23	2.00E-67	LOC347403
CL356778	RP44_412M13	T7	X	36806294	36806400	36.81	3.00E-07	SYTL5
CL321768	CH242_13J23	T7	X	37109643	37109955	37.11	2.00E-43	OTC
CL356072	RP44_410H10	T7	X	37403769	37403832	37.40	9.00E-08	NA
CL329701	RP44_394F12	SP6	X	37594197	37594247	37.59	2.00E-07	NA

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CL332550	CH242_12O3	T7	X	37931912	37932362	37.93	5.00E-25	NA
CL328397	RP44_248H3	T7	X	37988227	37988314	37.99	6.00E-06	LOC347406
CL327115	RP44_245M21	T7	X	38013058	38013337	38.01	5.00E-37	LOC286442
CL355626	RP44_410I5	T7	X	38090288	38090373	38.09	3.00E-10	NA
CL332637	CH242_12O3	SP6	X	38174693	38174813	38.17	1.00E-27	NA
CL363079	RP44_383K7	SP6	X	38228099	38228179	38.23	3.00E-07	LOC352778
CL374108	RP44_469H13	SP6	X	38239971	38240178	38.24	2.00E-18	LOC352778
CL374022	RP44_469H13	T7	X	38430655	38431159	38.43	e-123	NA
CL362997	RP44_383K7	T7	X	38453084	38453598	38.45	2.00E-67	NA
CL367618	RP44_372A5	T7	X	38669516	38669831	38.67	1.00E-12	LOC347407
CL349431	RP44_309C8	T7	X	38682018	38682475	38.68	1.00E-93	LOC347407
CL384196	RP44_328L21	SP6	X	38682018	38682484	38.68	5.00E-99	LOC347407
CL383816	RP44_327K24	T7	X	38682237	38682412	38.68	1.00E-58	LOC347407
CL352055	RP44_313B14	SP6	X	38682237	38682484	38.68	4.00E-99	LOC347407
CL351969	RP44_313B14	T7	X	38872690	38872943	38.87	6.00E-39	LOC352781
CL358588	RP44_415A7	T7	X	38947463	38947824	38.95	1.00E-33	LOC352781
CL351204	RP44_312K17	T7	X	39385694	39385898	39.39	4.00E-44	CRSP2
CL334272	RP44_251E4	T7	X	39386450	39386823	39.39	3.00E-75	CRSP2
CL375014	RP44_471G15	T7	X	39421856	39421940	39.42	8.00E-11	CRSP2
CL334500	RP44_251F5	SP6	X	39937918	39938286	39.94	4.00E-96	NA
CL331996	CH242_10I5	T7	X	40229823	40230000	40.23	8.00E-24	CASK
CL321084	CH242_15I24	SP6	X	40367156	40367590	40.37	7.00E-58	CASK
CL380350	RP44_429E13	T7	X	40556908	40556956	40.56	7.00E-06	CASK
CL364265	RP44_396G6	T7	X	40650607	40651238	40.65	6.00E-31	NA
CL385512	RP44_330H2	SP6	X	40680161	40680275	40.68	3.00E-08	NA
CL346084	RP44_269F13	SP6	X	40744116	40744329	40.74	1.00E-15	NA
CL365613	RP44_354C17	SP6	X	41268288	41268353	41.27	2.00E-11	LOC347416
CL352945	RP44_402K17	T7	X	41445175	41445733	41.45	1.00E-28	LOC347417
CL409496	RP44_417I16	SP6	X	41447635	41447800	41.45	1.00E-37	LOC347417
CL409420	RP44_417I16	T7	X	41693256	41693749	41.69	3.00E-07	NA
CL356042	RP44_410B8	T7	X	42102951	42102979	42.10	5.00E-06	NA
CL323398	RP44_458M7	SP6	X	42655266	42655626	42.66	e-109	NDP
CL368141	RP44_288D13	SP6	X	42799885	42800372	42.80	e-126	NA
CL325783	RP44_242I23	SP6	X	43045641	43045952	43.05	4.00E-31	NA
CL358129	RP44_414C4	T7	X	43139979	43140400	43.14	1.00E-19	NA
CL354761	RP44_408O2	T7	X	43353589	43353721	43.35	1.00E-15	LOC352788
CL320916	CH242_15E5	SP6	X	43467897	43467951	43.47	1.00E-09	NA
CL338240	RP44_265B22	SP6	X	43634518	43635035	43.63	4.00E-10	UTX
CL384219	RP44_328B6	T7	X	43766102	43766497	43.77	9.00E-08	UTX
CL381748	RP44_316M14	T7	X	43939660	43939692	43.94	2.00E-06	NA
CL356158	RP44_410H16	SP6	X	43944997	43945122	43.95	8.00E-14	NA
CL327462	RP44_245P1	SP6	X	43957827	43957896	43.96	1.00E-06	NA
CL356075	RP44_410H16	T7	X	44250067	44250312	44.25	3.00E-14	LOC347333
CL344964	RP44_279O2	SP6	X	44444100	44444249	44.44	6.00E-71	NA
CL344811	RP44_279O23	SP6	X	44444100	44444249	44.44	6.00E-71	NA
CL334998	RP44_252F1	T7	X	44448432	44448495	44.45	4.00E-13	NA
CL353834	RP44_403P20	T7	X	44847503	44847944	44.85	2.00E-27	NA
CL383403	RP44_326O8	T7	X	44903430	44903731	44.90	6.00E-31	NA
CL383475	RP44_326O8	SP6	X	45091724	45092809	45.09	3.00E-13	LOC347337
CL329387	RP44_394C4	SP6	X	45478465	45478594	45.48	2.00E-30	NA
CL364119	RP44_396K11	T7	X	45482691	45482747	45.48	4.00E-06	NA
CL364206	RP44_396K11	SP6	X	45650006	45650311	45.65	2.00E-27	KIAA0215
CL351078	RP44_311D18	SP6	X	46607107	46607365	46.61	1.00E-06	NA
CL344632	RP44_278L12	SP6	X	46711800	46711836	46.71	5.00E-06	NA
CL409553	RP44_417H13	T7	X	47487503	47487777	47.49	3.00E-41	HDAC6
CL363501	RP44_388L9	SP6	X	47934663	47934739	47.93	7.00E-12	PPP1R3F
CL363435	RP44_388L9	T7	X	48313241	48313336	48.31	4.00E-13	NA
CL355556	RP44_409H14	SP6	X	48443590	48444154	48.44	3.00E-17	CLCN5
CL372930	RP44_307M22	T7	X	48520269	48520351	48.52	1.00E-09	CLCN5
CL377605	RP44_457O15	T7	X	48659865	48659976	48.66	1.00E-36	AKAP4
CL370912	RP44_300B11	SP6	X	48738051	48738175	48.74	2.00E-09	CCNB3
CL336004	RP44_255C17	T7	X	48740702	48740965	48.74	2.00E-09	CCNB3
CL335915	RP44_254P20	T7	X	48849025	48849431	48.85	2.00E-15	LOC139189
CL336081	RP44_255C17	SP6	X	48858450	48858812	48.86	5.00E-25	LOC139189
CL355904	RP44_410H7	T7	X	49178627	49178861	49.18	2.00E-10	KIAA1202

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL362674	RP44_380F17	T7	X	49306631	49306741	49.31	6.00E-12	LOC347376
CL360818	RP44_341J8	SP6	X	49742625	49953319	49.85	1.00E-09	LOC347548
CL371232	RP44_302E16	SP6	X	50169231	50169600	50.17	7.00E-09	NA
CL332886	CH242_12P17	T7	X	51868077	51868266	51.87	7.00E-11	SMCX
CL358333	RP44_414N11	T7	X	51930388	51930646	51.93	6.00E-27	KIAA0522
CL331279	CH242_7E18	SP6	X	52078441	52078865	52.08	e-115	SMC1L1
CL375125	RP44_471M1	SP6	X	52381329	52381456	52.38	3.00E-28	NA
CL334517	RP44_251H19	SP6	X	54121556	54121899	54.12	1.00E-33	LOC158880
CL355823	RP44_410E20	SP6	X	61155598	61155834	61.16	3.00E-09	ARHGEF9
CL356724	RP44_412A9	T7	X	61269345	61269809	61.27	4.00E-16	NA
CL330297	CH242_3L17	SP6	X	61301123	61301337	61.30	1.00E-47	NA
CL412671	RP44_431E18	SP6	X	61722673	61722732	61.72	8.00E-08	MTMR8
CL330416	CH242_3D16	SP6	X	62347955	62348034	62.35	1.00E-13	NA
CL331476	CH242_8A21	T7	X	62494307	62494366	62.49	4.00E-10	NA
CL412449	RP44_431K11	T7	X	63999211	63999251	64.00	6.00E-06	NA
CL332644	CH242_12O19	SP6	X	66065159	66065192	66.07	2.00E-06	LOC254287
CL330315	CH242_3P11	SP6	X	66488307	66488365	66.49	6.00E-12	NA
CL342768	RP44_262H20	T7	X	66919814	66920077	66.92	3.00E-20	NA
CL384146	RP44_328B17	SP6	X	67030761	67031375	67.03	5.00E-22	NA
CL342078	RP44_261P5	SP6	X	67057621	67058067	67.06	2.00E-46	NA
CL385368	RP44_330J1	SP6	X	67212324	67212637	67.21	4.00E-62	ED1
CL374445	RP44_470I17	SP6	X	67512237	67512304	67.51	6.00E-10	NA
CL352075	RP44_313F10	SP6	X	67516199	67516446	67.52	2.00E-55	LOC139562
CL440025	RP44_299G4	T7	X	67631579	67631698	67.63	1.00E-06	LOC347516
CL330489	CH242_4C21	T7	X	67656479	67776626	67.72	4.00E-10	KIF4A
CL332867	CH242_12L9	T7	X	67681446	67681757	67.68	6.00E-24	NA
CL330539	CH242_4C21	SP6	X	67717052	67717347	67.72	4.00E-16	NA
CL372171	RP44_305G17	SP6	X	67752393	67752450	67.75	4.00E-09	KIF4A
CL322578	RP44_405N11	T7	X	67850843	67851509	67.85	1.00E-08	KIF4A
CL388857	RP44_285B6	T7	X	67876239	67876483	67.88	4.00E-70	FLJ20207
CL351740	RP44_313E2	SP6	X	67923633	67923775	67.92	2.00E-14	DLG3
CL347977	RP44_273D6	T7	X	68043076	68043391	68.04	2.00E-15	TEX11
CL388928	RP44_285B6	SP6	X	68043213	68043328	68.04	8.00E-06	TEX11
CL325259	RP44_241A5	T7	X	68151680	68151790	68.15	4.00E-13	TEX11
CL388232	RP44_284B19	T7	X	68333387	68333918	68.33	3.00E-26	TEX11
CL330276	CH242_3H21	SP6	X	69027617	69028066	69.03	6.00E-46	OGT
CL330191	CH242_3H21	T7	X	69359881	69360397	69.36	2.00E-21	NA
CL376137	RP44_443M22	T7	X	69527493	69527566	69.53	6.00E-21	NA
CL350332	RP44_310N3	SP6	X	69578007	69578078	69.58	4.00E-10	NA
CL381298	RP44_315D9	SP6	X	69661627	69662030	69.66	7.00E-58	PIN4
CL375364	RP44_471J23	T7	X	69695070	69695187	69.70	8.00E-14	NA
CL375446	RP44_471J23	SP6	X	69838151	69838757	69.84	7.00E-21	HDAC8
CL343422	RP44_276F2	T7	X	69887966	69888131	69.89	3.00E-07	HDAC8
CL347452	RP44_272J7	T7	X	69988973	69989361	69.99	2.00E-36	HDAC8
CL321765	CH242_13J17	T7	X	70021822	70022055	70.02	3.00E-63	HDAC8
CL355321	RP44_409F13	T7	X	70887765	70887808	70.89	4.00E-10	CDX4
CL345654	RP44_280J3	T7	X	71014643	71014924	71.01	7.00E-14	LOC349423
CL411786	RP44_430G23	T7	X	71847594	71847919	71.85	5.00E-19	NA
CL355439	RP44_409N1	SP6	X	72578067	72578204	72.58	2.00E-06	ABC7
CL410993	RP44_420M17	SP6	X	72739173	72739417	72.74	1.00E-13	NA
CL410911	RP44_420M17	T7	X	72739350	72739417	72.74	5.00E-08	NA
CL344757	RP44_279E13	SP6	X	75901352	75901792	75.90	7.00E-06	NA
CL329836	CH242_3E11	T7	X	76437915	76438089	76.44	6.00E-12	NA
CL380740	RP44_429P9	T7	X	79931763	79931815	79.93	3.00E-08	LOC347426
CL331171	CH242_6P17	SP6	X	82195658	82195719	82.20	2.00E-11	NA
CL368371	RP44_289E15	T7	X	82435279	82435962	82.44	9.00E-08	NA
CL362190	RP44_375M13	SP6	X	82804767	82804939	82.80	8.00E-33	NA
CL330392	CH242_3N22	T7	X	83192910	83193385	83.19	4.00E-25	CHM
CL344616	RP44_278H24	SP6	X	83423460	83424168	83.42	8.00E-46	NA
CL380094	RP44_428H5	SP6	X	83541078	83541623	83.54	2.00E-43	DACH2
CL352444	RP44_401O23	SP6	X	83623622	83623949	83.62	3.00E-26	DACH2
CL322828	RP44_437I15	T7	X	83865824	83866201	83.87	7.00E-39	DACH2
CL368953	RP44_289H12	SP6	X	84063666	84063800	84.06	1.00E-09	DACH2
CL411685	RP44_429D19	SP6	X	84864178	84864226	84.86	5.00E-06	KLHL4
CL388658	RP44_285G13	SP6	X	84955463	84955642	84.96	2.00E-52	KLHL4

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CL371608	RP44_304G4	T7	X	85039306	85039491	85.04	7.00E-52	NA
CL365583	RP44_354K17	T7	X	86164466	86165218	86.16	9.00E-14	LOC347533
CL355385	RP44_409B21	SP6	X	86501355	86501407	86.50	6.00E-06	NA
CL341248	RP44_260E7	T7	X	89468846	89468992	89.47	1.00E-16	PCDH11X
CL387503	RP44_281J15	T7	X	90561983	90562060	90.56	2.00E-06	NA
CL376287	RP44_444A11	T7	X	90850584	90850992	90.85	1.00E-28	NA
CL439811	RP44_297F20	T7	X	90965666	90966203	90.97	4.00E-19	FLJ37659
CL325077	RP44_479G7	SP6	X	91077652	91078016	91.08	5.00E-55	NA
CL370503	RP44_295J18	T7	X	91081262	91081687	91.08	1.00E-19	NA
CL368812	RP44_289L13	SP6	X	91098687	91098724	91.10	1.00E-06	NA
CL386077	RP44_332B18	SP6	X	92761867	92761941	92.76	2.00E-09	LOC286729
CL369057	RP44_290K19	T7	X	92761867	92761941	92.76	1.00E-09	LOC286729
CL381503	RP44_315L18	SP6	X	92924333	92924767	92.92	4.00E-25	LOC139891
CL333073	RP44_248L4	SP6	X	92950501	92950926	92.95	1.00E-25	NA
CL371017	RP44_301E23	T7	X	92981997	92982188	92.98	7.00E-33	NA
CL355815	RP44_410E2	SP6	X	93332657	93332927	93.33	2.00E-20	NA
CL333398	RP44_249H10	T7	X	93428822	93428951	93.43	1.00E-18	NA
CL324176	RP44_463P14	SP6	X	93724849	93725077	93.72	5.00E-21	NA
CL353933	RP44_405G23	T7	X	94077549	94077903	94.08	e-123	DIAPH2
CL378945	RP44_425M16	T7	X	94317273	94317855	94.32	5.00E-25	DIAPH2
CL387058	RP44_327O14	T7	X	94340876	94340947	94.34	1.00E-12	DIAPH2
CL330573	CH242_4M15	SP6	X	94403366	94403947	94.40	4.00E-07	DIAPH2
CL331749	CH242_8H23	SP6	X	94662764	94663031	94.66	9.00E-69	DIAPH2
CL353222	RP44_402J7	SP6	X	94845638	94845840	94.85	2.00E-08	DIAPH2
CL344900	RP44_279A18	SP6	X	94957182	94957228	94.96	4.00E-07	NA
CL411464	RP44_421N16	SP6	X	95058823	95058889	95.06	2.00E-14	NA
CL331716	CH242_8B11	SP6	X	95457308	95458554	95.46	6.00E-10	NA
CL414277	RP44_436I12	SP6	X	96574416	96574810	96.57	4.00E-65	NA
CL386582	RP44_334D21	T7	X	96671476	96671738	96.67	1.00E-13	LOC340559
CL384165	RP44_328F15	SP6	X	97237994	97238555	97.24	2.00E-98	NA
CL320306	CH242_2N15	T7	X	97693546	97693958	97.69	5.00E-83	PCDH19
CL352808	RP44_401P14	T7	X	98000808	98000884	98.00	6.00E-09	SYTL4
CL333799	RP44_250B15	T7	X	98557569	98557907	98.56	1.00E-19	NA
CL334497	RP44_251D19	SP6	X	98574214	98574610	98.57	3.00E-44	TAF7L
CL372280	RP44_305P5	T7	X	98640048	98640685	98.64	4.00E-72	BTK
CL413001	RP44_431F20	SP6	X	98982663	98982898	98.98	2.00E-33	LOC347384
CL332273	CH242_10I20	SP6	X	99085938	99086461	99.09	1.00E-34	NA
CL325160	RP44_479O23	SP6	X	99224105	99224144	99.22	1.00E-07	NA
CL353842	RP44_403D6	SP6	X	99234093	99234169	99.23	5.00E-18	NA
CL352228	RP44_314E21	SP6	X	99488346	99774598	99.63	2.00E-12	NA
CL369670	RP44_292G21	SP6	X	99525198	99737759	99.63	2.00E-08	NXF2
CL332648	CH242_12A6	T7	X	100999495	100999700	101.00	9.00E-22	LOC203562
CL331294	CH242_7I4	SP6	X	101208216	101388570	101.30	1.00E-40	LOC347393
CL346752	RP44_271O18	SP6	X	101449205	101449297	101.45	8.00E-08	LOC139231
CL332793	CH242_12K10	SP6	X	101632020	101632337	101.63	1.00E-19	LOC352799
CL346676	RP44_271O18	T7	X	101632046	101632337	101.63	1.00E-13	LOC352799
CL413526	RP44_433O4	SP6	X	101762867	101763602	101.76	1.00E-62	NA
CL363511	RP44_388N9	SP6	X	101762878	101763623	101.76	2.00E-64	NA
CL388620	RP44_285O7	T7	X	101791246	101791379	101.79	2.00E-12	NA
CL366226	RP44_358P5	T7	X	101794612	101794664	101.79	6.00E-06	NA
CL413438	RP44_433O4	T7	X	101939916	101940190	101.94	3.00E-14	NA
CL409856	RP44_418K23	SP6	X	102000949	102001340	102.00	2.00E-09	NA
CL323085	RP44_455L8	SP6	X	102097463	102097940	102.10	1.00E-19	LOC352801
CL323084	RP44_455L8	T7	X	102260181	102260599	102.26	1.00E-22	NA
CL349452	RP44_309G12	T7	X	102330920	102331008	102.33	9.00E-09	NA
CL387611	RP44_281P7	SP6	X	102566244	102566285	102.57	2.00E-06	IL1RAPL2
CL411438	RP44_421H22	SP6	X	102697068	102697474	102.70	e-135	IL1RAPL2
CL349267	RP44_309A13	T7	X	102782251	102782364	102.78	7.00E-09	IL1RAPL2
CL349334	RP44_309O7	T7	X	102782251	102782364	102.78	6.00E-09	IL1RAPL2
CL321172	CH242_15D9	T7	X	102886511	102886777	102.89	3.00E-48	IL1RAPL2
CL321637	CH242_13A16	SP6	X	103002955	105195384	104.10	2.00E-12	MID2
CL372812	RP44_306F6	SP6	X	103017461	103017928	103.02	6.00E-74	IL1RAPL2
CL375890	RP44_441A14	T7	X	103105426	103105615	103.11	4.00E-09	NA
CL390112	RP44_288G23	T7	X	103131610	103132044	103.13	2.00E-09	NA
CL321551	CH242_13A16	T7	X	103182744	103182842	103.18	3.00E-14	NA

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CL329823	CH242_3C5	T7	X	103229985	103230137	103.23	2.00E-39	LOC203447
CL330598	CH242_4H7	T7	X	103679502	103679542	103.68	5.00E-06	NA
CL414460	RP44_436N1	SP6	X	103813978	103814286	103.81	2.00E-42	LOC139216
CL323582	RP44_458B8	SP6	X	103915272	103915801	103.92	5.00E-56	FLJ10178
CL338641	RP44_267A19	T7	X	104051763	104052005	104.05	3.00E-17	FLJ23516
CL381807	RP44_316M2	SP6	X	104067880	104067974	104.07	6.00E-08	FLJ23516
CL333049	CH242_12P16	SP6	X	104144576	104145041	104.14	3.00E-32	FLJ20298
CL352809	RP44_401P20	T7	X	104383620	104383676	104.38	1.00E-10	FLJ11016
CL321598	CH242_13I18	T7	X	104467146	104468098	104.47	5.00E-25	FLJ20130
CL321926	CH242_15H8	T7	X	104515647	104515830	104.52	3.00E-17	MGC35261
CL321678	CH242_13I18	SP6	X	104623016	104623407	104.62	1.00E-28	LOC347400
CL384998	RP44_330E13	T7	X	104658952	104659225	104.66	4.00E-10	NA
CL384938	RP44_329H2	SP6	X	104836372	104836601	104.84	3.00E-78	NA
CL371366	RP44_302P21	T7	X	104977933	104978018	104.98	9.00E-07	LOC347401
CL337358	RP44_264M22	SP6	X	105002869	105003224	105.00	2.00E-88	DSIPI
CL347469	RP44_272N13	T7	X	105576722	105577233	105.58	1.00E-28	COL4A6
CL331155	CH242_6N5	SP6	X	106553002	106553186	106.55	1.00E-06	NA
CL330140	CH242_3M24	SP6	X	107118437	107118585	107.12	3.00E-20	NA
CL320484	CH242_10B16	SP6	X	107425674	107426005	107.43	5.00E-12	FLJ22679
CL364090	RP44_396E19	T7	X	107590063	107590152	107.59	1.00E-42	AMMECR1
CL330176	CH242_3F5	T7	X	107590193	107590533	107.59	5.00E-39	AMMECR1
CL320483	CH242_10B16	T7	X	107609535	107609614	107.61	4.00E-10	AMMECR1
CL333043	CH242_12P4	SP6	X	107788330	107791691	107.79	2.00E-51	NA
CL370409	RP44_295F23	SP6	X	108023641	108024014	108.02	5.00E-06	NRLN1
CL366047	RP44_358E16	T7	X	108051258	108051798	108.05	5.00E-09	NRLN1
CL329821	CH242_3C1	T7	X	108361278	108361350	108.36	3.00E-06	NA
CL321559	CH242_13C10	T7	X	109168333	109168532	109.17	6.00E-12	TRPC5
CL320972	CH242_15O9	SP6	X	109324651	109325248	109.32	3.00E-97	TRPC5
CL321644	CH242_13C10	SP6	X	109354779	109355139	109.35	5.00E-25	NA
CL328887	RP44_373N18	T7	X	109907264	109907365	109.91	7.00E-24	LOC340596
CL321523	CH242_20N20	T7	X	110013075	110013199	110.01	1.00E-15	NA
CL362344	RP44_377A4	T7	X	110111055	110111141	110.11	4.00E-07	NA
CL386722	RP44_334F12	T7	X	110124497	110125144	110.12	1.00E-06	NA
CL386723	RP44_334F14	T7	X	110124497	110125144	110.12	1.00E-06	NA
CL368035	RP44_288K20	SP6	X	110222307	110222596	110.22	2.00E-11	NA
CL323411	RP44_458M21	T7	X	110481317	110481367	110.48	6.00E-12	NA
CL385402	RP44_330P21	SP6	X	110661717	110661827	110.66	7.00E-09	NA
CL338331	RP44_266C19	T7	X	110766038	110766333	110.77	7.00E-18	LOC349414
CL338408	RP44_266C19	SP6	X	110935311	110935596	110.94	3.00E-11	LOC347539
CL336410	RP44_262P2	T7	X	111038767	111039358	111.04	2.00E-18	LOC347539
CL329763	RP44_394L18	T7	X	111179839	111180142	111.18	6.00E-42	NA
CL347761	RP44_273E7	SP6	X	111962353	111962437	111.96	9.00E-14	HTR2C
CL412267	RP44_430H12	T7	X	112400471	112400785	112.40	3.00E-26	KIAA1495
CL359281	RP44_336H21	T7	X	112610492	112610537	112.61	1.00E-06	NA
CL343810	RP44_277A24	SP6	X	112629953	112630157	112.63	8.00E-30	NA
CL334668	RP44_251L14	SP6	X	112629989	112630157	112.63	1.00E-22	NA
CL371523	RP44_302F6	SP6	X	112676424	112676468	112.68	6.00E-06	NA
CL371561	RP44_302N4	SP6	X	112676424	112676468	112.68	5.00E-06	NA
CL343730	RP44_277A24	T7	X	112829181	112829323	112.83	3.00E-26	NA
CL369581	RP44_292C3	T7	X	113534635	113534892	113.53	1.00E-56	LOC352775
CL345552	RP44_280C16	SP6	X	114493646	114493829	114.49	2.00E-21	NA
CL363365	RP44_383J7	SP6	X	114493646	114493829	114.49	2.00E-21	NA
CL330166	CH242_3D7	T7	X	115629819	115630128	115.63	4.00E-31	NA
CL350464	RP44_310F18	SP6	X	115826909	115827109	115.83	1.00E-10	NA
CL337544	RP44_264F24	T7	X	115835572	115835672	115.84	1.00E-10	NA
CL331677	CH242_8J15	T7	X	115972543	115972689	115.97	3.00E-19	LOC352862
CL373199	RP44_308E4	T7	X	116202814	116203460	116.20	2.00E-12	NA
CL373209	RP44_308G4	T7	X	116202819	116203460	116.20	2.00E-09	NA
CL373349	RP44_308D3	T7	X	116202868	116203460	116.20	1.00E-07	NA
CL321193	CH242_15F15	T7	X	116366303	116366436	116.37	1.00E-18	LOC139516
CL339226	RP44_268J3	T7	X	117728510	117728590	117.73	6.00E-15	NA
CL379315	RP44_426D7	T7	X	118388303	118388618	118.39	3.00E-07	NA
CL380267	RP44_428F24	SP6	X	118413573	118413775	118.41	1.00E-52	NA
CL337074	RP44_264E1	T7	X	118416225	118416271	118.42	4.00E-07	NA
CL344569	RP44_278N24	T7	X	118479403	118479733	118.48	1.00E-12	NA

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL322608	RP44_416A16	T7	X	118671243	118671287	118.67	4.00E-06	NA
CL330497	CH242_4G5	T7	X	119745076	119745344	119.75	8.00E-07	NA
CL330548	CH242_4G5	SP6	X	119982618	119982815	119.98	2.00E-06	NA
CL347429	RP44_272F7	T7	X	119982898	119983097	119.98	9.00E-39	NA
CL369176	RP44_290C8	T7	X	120122352	120122917	120.12	e-127	NA
CL334259	RP44_251A22	T7	X	120126389	120126730	120.13	8.00E-58	NA
CL353963	RP44_405O15	T7	X	120133643	120133864	120.13	8.00E-57	NA
CL347504	RP44_272F7	SP6	X	120239443	120239533	120.24	3.00E-14	NA
CL377731	RP44_457I6	T7	X	120264658	120264901	120.26	4.00E-68	NA
CL326992	RP44_244B10	SP6	X	120305839	120306271	120.31	5.00E-77	GRIA3
CL370647	RP44_296I19	T7	X	120328269	120328444	120.33	2.00E-08	GRIA3
CL320362	CH242_6F12	T7	X	120467716	120467806	120.47	3.00E-10	GRIA3
CL326919	RP44_244B10	T7	X	120487233	120487493	120.49	1.00E-10	GRIA3
CL377941	RP44_422N11	SP6	X	120581085	120581176	120.58	9.00E-13	NA
CL330902	CH242_6I1	T7	X	121076807	121077046	121.08	2.00E-08	STAG2
CL372735	RP44_306F22	T7	X	121108661	121108786	121.11	3.00E-47	STAG2
CL383057	RP44_325N15	T7	X	121317400	121317613	121.32	2.00E-90	NA
CL439721	RP44_297D5	SP6	X	121346314	121346401	121.35	4.00E-07	LOC352866
CL385580	RP44_332C17	T7	X	121349332	121349620	121.35	4.00E-16	LOC352866
CL364486	RP44_396J17	SP6	X	121395468	121395928	121.40	1.00E-37	NA
CL383144	RP44_325N15	SP6	X	121504817	121505410	121.51	3.00E-45	ODZ1
CL338840	RP44_267M6	T7	X	121505217	121505410	121.51	1.00E-40	ODZ1
CL340320	RP44_257I20	T7	X	121570992	121571067	121.57	7.00E-15	ODZ1
CL370852	RP44_300F23	T7	X	121583959	121584502	121.58	2.00E-18	ODZ1
CL383196	RP44_325H14	T7	X	121590446	121590883	121.59	1.00E-37	ODZ1
CL330493	CH242_4E13	T7	X	121781571	121781742	121.78	7.00E-24	ODZ1
CL357194	RP44_412D16	T7	X	121831465	121831511	121.83	1.00E-09	ODZ1
CL386279	RP44_333O16	SP6	X	121832352	121832846	121.83	2.00E-61	ODZ1
CL353313	RP44_402F4	SP6	X	121934190	121934285	121.93	3.00E-15	ODZ1
CL340005	RP44_256H12	T7	X	122086154	122086614	122.09	e-116	NA
CL328272	RP44_248M4	T7	X	123194512	123194682	123.19	3.00E-07	NA
CL363243	RP44_383M10	SP6	X	123900074	123900606	123.90	4.00E-38	LOC347463
CL378224	RP44_423F14	T7	X	124397182	124397623	124.40	4.00E-10	NA
CL345987	RP44_269M14	SP6	X	124398321	124398385	124.40	7.00E-06	NA
CL348816	RP44_275O8	T7	X	124398321	124398385	124.40	7.00E-06	NA
CL370535	RP44_295B4	SP6	X	124671140	124671225	124.67	5.00E-06	NA
CL337821	RP44_265O19	SP6	X	124913726	124913783	124.91	7.00E-09	NA
CL368340	RP44_289A1	T7	X	125947340	125947416	125.95	2.00E-08	LOC352825
CL368369	RP44_289E11	T7	X	125947340	125947416	125.95	2.00E-08	LOC352825
CL369667	RP44_292G7	SP6	X	126045565	126045723	126.05	1.00E-16	NA
CL375672	RP44_436F18	T7	X	126275487	126275695	126.28	7.00E-21	LOC347464
CL322348	RP44_404O12	SP6	X	126583689	126583971	126.58	6.00E-52	SMARCA1
CL334503	RP44_251F13	SP6	X	126677188	126677236	126.68	7.00E-10	NA
CL322347	RP44_404O12	T7	X	126741747	126741806	126.74	7.00E-08	NA
CL352925	RP44_402G13	T7	X	127164347	127164677	127.16	2.00E-57	ELF4
CL411705	RP44_429H13	SP6	X	127179670	127179914	127.18	3.00E-14	ELF4
CL325464	RP44_241P11	T7	X	127245505	127245989	127.25	3.00E-10	NA
CL322925	RP44_437E24	SP6	X	127375610	127375678	127.38	2.00E-08	NA
CL386450	RP44_334C12	T7	X	128115964	128116330	128.12	2.00E-20	LOC347466
CL322245	RP44_404C20	T7	X	128274773	128275159	128.27	1.00E-12	NA
CL362664	RP44_380D7	T7	X	128370387	128370430	128.37	9.00E-08	IGSF1
CL356802	RP44_412A17	SP6	X	129098464	129098565	129.10	3.00E-14	NA
CL378561	RP44_424H19	SP6	X	129171623	129171796	129.17	2.00E-24	LOC90167
CL439627	RP44_296O7	SP6	X	129536330	129536479	129.54	2.00E-06	MBNL3
CL332025	CH242_10M21	T7	X	129724806	129724856	129.72	2.00E-14	HS6ST2
CL377387	RP44_449B20	T7	X	129830737	129830888	129.83	2.00E-06	HS6ST2
CL368745	RP44_289P1	T7	X	129922267	129922348	129.92	1.00E-11	HS6ST2
CL382678	RP44_325A9	T7	X	129939181	129939322	129.94	3.00E-26	HS6ST2
CL365790	RP44_356C11	T7	X	130034218	130034278	130.03	3.00E-08	HS6ST2
CL377458	RP44_449B20	SP6	X	130047437	130047771	130.05	2.00E-70	NA
CL334769	RP44_252O21	T7	X	130698887	130699414	130.70	4.00E-16	GPC3
CL365737	RP44_355D9	SP6	X	130707945	130708111	130.71	9.00E-20	GPC3
CL365672	RP44_355D9	T7	X	130825286	130825763	130.83	2.00E-15	GPC3
CL323692	RP44_458L6	SP6	X	130853422	130853489	130.85	1.00E-07	GPC3
CL360285	RP44_339A17	SP6	X	131708301	131708458	131.71	1.00E-37	PLAC1

Genbank Accession #	BAC Clone ID ^a	BAC Insert End ^b	HSA Chr	BLAST Hit Start Position ^c	BLAST Hit End Position	Average Hit Position (Mb)	e-value	Human Gene Symbol ^d
CL375826	RP44_441E11	T7	X	131732439	131732521	131.73	4.00E-12	PLAC1
CL330495	CH242_4E21	T7	X	131774688	131774834	131.77	2.00E-14	NA
CL362738	RP44_380F15	SP6	X	132214156	132439941	132.33	4.00E-92	FLJ23614
CL342495	RP44_262E2	SP6	X	132439937	132440201	132.44	1.00E-24	FLJ23614
CL342415	RP44_262E2	T7	X	132981727	132981757	132.98	4.00E-07	NA
CL364699	RP44_398N3	T7	X	133072197	133072601	133.07	2.00E-36	SLC9A6
CL333464	RP44_249F2	SP6	X	133105857	133105918	133.11	4.00E-07	NA
CL333086	RP44_248N10	SP6	X	133424457	133424563	133.42	3.00E-19	GPR112
CL337272	RP44_264M4	T7	X	133787610	133787991	133.79	7.00E-18	ARHGEF6
CL379407	RP44_426F9	SP6	X	133988161	133988270	133.99	3.00E-08	NA
CL386380	RP44_333D16	SP6	X	134510447	134510982	134.51	2.00E-58	LOC347482
CL366239	RP44_358B19	SP6	X	135207228	135207563	135.21	1.00E-46	NA
CL326037	RP44_242B24	SP6	X	135222170	135222247	135.22	1.00E-06	NA
CL349583	RP44_309B15	T7	X	135424758	135425092	135.42	5.00E-56	NA
CL328822	RP44_373H4	SP6	X	135703039	135703388	135.70	7.00E-06	FGF13
CL320587	CH242_10L12	T7	X	136852812	136852881	136.85	2.00E-06	NA
CL383662	RP44_327115	T7	X	136890516	136891079	136.89	9.00E-08	NA
CL330650	CH242_4F7	SP6	X	137374297	137374439	137.37	9.00E-16	NA
CL360539	RP44_339D7	SP6	X	137387256	137387511	137.39	6.00E-89	NA
CL353980	RP44_405C13	SP6	X	137389729	137389851	137.39	2.00E-07	NA
CL368200	RP44_288P13	SP6	X	137782253	137782518	137.78	5.00E-13	LOC347490
CL331912	CH242_9I9	SP6	X	138032082	140552002	139.29	9.00E-14	NA
CL344852	RP44_279I4	T7	X	138373258	138378282	138.38	1.00E-72	NA
CL336486	RP44_263A1	SP6	X	139698346	139698778	139.70	2.00E-48	LOC340585
CL332137	CH242_10A22	T7	X	139979199	139979435	139.98	1.00E-07	LOC347492
CL343329	RP44_276B21	SP6	X	140655691	140655869	140.66	2.00E-24	DKFZp547M2010
CL409516	RP44_417M14	SP6	X	140756427	140756496	140.76	5.00E-09	NA
CL358524	RP44_414D18	SP6	X	141675993	141676112	141.68	4.00E-10	NA
CL413895	RP44_435C8	SP6	X	142309937	142310872	142.31	3.00E-14	LOC340556
CL331833	CH242_9I9	T7	X	142403137	142416485	142.41	7.00E-09	NA
CL364688	RP44_398L1	T7	X	142665434	142665714	142.67	1.00E-77	NA
CL376500	RP44_444L22	T7	X	142786693	142791758	142.79	5.00E-49	NA
CL362745	RP44_380H13	SP6	X	143853388	143853518	143.85	2.00E-29	LOC169924
CL344296	RP44_278I6	SP6	X	144506031	144506136	144.51	4.00E-09	NA
CL331244	CH242_7O8	T7	X	144814961	144814990	144.81	2.00E-06	NA
CL358947	RP44_335D21	T7	X	145361760	145362304	145.36	7.00E-92	NA
CL375690	RP44_436J16	T7	X	145466843	145469020	145.47	1.00E-10	NA
CL380818	RP44_314E18	SP6	X	145469202	145469432	145.47	2.00E-08	NA
CL333554	RP44_250I13	T7	X	145777625	145777790	145.78	3.00E-17	FMR2
CL362291	RP44_375F6	SP6	X	146209233	146209374	146.21	1.00E-09	NA
CL408481	RP44_415D3	T7	X	147076254	147076692	147.08	1.00E-65	NA
CL373006	RP44_307B3	T7	X	148527681	148527776	148.53	1.00E-10	LOC139135
CL381213	RP44_315D7	T7	X	148557990	148558155	148.56	6.00E-12	LOC139135
CL353086	RP44_402I6	T7	X	149105982	149106333	149.11	7.00E-52	GABRA3
CL366878	RP44_362N24	SP6	X	149145036	149145365	149.15	3.00E-51	GABRA3
CL387968	RP44_284G23	T7	X	149280835	149280920	149.28	1.00E-06	GABRA3
CL366802	RP44_362N24	T7	X	149280835	149280920	149.28	2.00E-06	GABRA3
CL324595	RP44_476A12	SP6	X	150174475	150174783	150.17	1.00E-89	ZNF275
CL354376	RP44_406L1	T7	X	150946960	150947013	150.95	2.00E-08	MECP2
CL326797	RP44_244G4	T7	X	151609448	151609482	151.61	4.00E-07	MPP1
CL373017	RP44_307D3	T7	Y	13242853	13242889	13.24	6.00E-06	NA
CL379878	RP44_428M8	T7	Y	18433237	18433332	18.43	1.00E-12	NA

Supplementary Table S2a. Mate-paired BEs from RPCI-44 with human chromosome positions and predicted insert sizes.										
Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_375G19	1	CL368019	T7	4638636	0.001	CL362169	SP6	4821496	3.00E-14	182860
RP44_409D21	1	CL355317	T7	7850848	5.00E-09	CL355395	SP6	8076170	8.00E-58	225322
RP44_344F4	1	CL361123	T7	10009239	7.00E-26	CL361196	SP6	10207438	2.00E-20	198199
RP44_337I2	1	CL359676	T7	10683401	2.00E-08	CL359736	SP6	10892528	0.006	209127
RP44_329C5	1	CL384477	SP6	10692475	0	CL384395	T7	10912792	5.00E-74	220317
RP44_329G5	1	CL384498	SP6	10692501	0	CL384417	T7	10912792	3.00E-71	220291
RP44_289I2	1	CL368631	SP6	13663833	4.00E-16	CL368551	T7	13842545	1.00E-41	178712
RP44_253O14	1	CL335348	T7	14234420	8.00E-79	CL335408	SP6	14418787	1.00E-06	184367
RP44_445H13	1	CL376827	SP6	14831163	0.001	CL376742	T7	14985681	7.00E-17	154518
RP44_276B9	1	CL343323	SP6	17756190	4.00E-53	CL343244	T7	17969580	5.00E-34	213390
RP44_358L5	1	CL366273		19781337	8.00E-05	CL366205	T7	19943075	4.00E-50	161738
RP44_323E20	1	CL382071	SP6	20155119	1.00E-84	CL381987	T7	20313498	1.00E-66	158379
RP44_243D24	1	CL326497	T7	21453833	2.00E-11	CL326568	SP6	21649744	8.00E-11	195911
RP44_432A3	1	CL413131	SP6	22039381	2.00E-32	CL413051	T7	22239236	5.00E-16	199855
RP44_307F5	1	CL373029	T7	22267993	2.00E-42	CL373114	SP6	22493737	0.003	225744
RP44_420D19	1	CL411163	T7	22287262	1.00E-23	CL411242	SP6	22512927	2.00E-21	225665
RP44_268O23	1	CL338986	T7	25052139	1.00E-34	CL339048	SP6	25171184	6.00E-24	119045
RP44_244A17	1	CL326696	SP6	25393471	3.00E-10	CL326627	T7	25582990	1.00E-70	189519
RP44_435H18	1	CL414025	T7	25493777	2.00E-23	CL414081	SP6	25683937	1.00E-31	190160
RP44_430D1	1	CL412087	SP6	26244445	4.00E-38	CL412171	T7	26457838	e-119	213393
RP44_375M21	1	CL362194	SP6	28849300	9.00E-11	CL362137	T7	29059507	9.00E-23	210207
RP44_458K16	1	CL323525	SP6	30520306	2.00E-11	CL323524	T7	30724147	2.00E-12	203841
RP44_323G12	1	CL381994	T7	31888282	0.002	CL382079	SP6	32096874	2.00E-30	208592
RP44_415G22	1	CL408428	SP6	31994546	1.00E-21	CL358787	T7	32209952	4.00E-10	215406
RP44_245E18	1	CL327285	SP6	33479401	4.00E-07	CL327219	T7	33641738	7.00E-15	162337
RP44_479C5	1	CL325039	T7	33493110	3.00E-35	CL325040	SP6	33641738	2.00E-08	148628
RP44_309F4	1	CL349822	SP6	34678089	8.00E-05	CL349745	T7	34874056	3.00E-09	195967
RP44_329H1	1	CL384729	T7	35358810	3.00E-54	CL384805	SP6	35503158	0.006	144348
RP44_414F4	1	CL358444	T7	36281773	6.00E-05	CL358529	SP6	36520179	3.00E-06	238406
RP44_281A19	1	CL387232	SP6	36565529	1.00E-43	CL387158	T7	36757128	4.00E-10	191599
RP44_469C8	1	CL373834	T7	38059096	2.00E-04	CL373918	SP6	38215381	3.00E-61	156285
RP44_285L24	1	CL388973	SP6	38478995	5.00E-09	CL388905	T7	38650467	9.00E-10	171472
RP44_310G16	1	CL350152	SP6	38478995	5.00E-09	CL350070	T7	38643045	0.006	164050
RP44_243I1	1	CL326149	T7	39027201	7.00E-07	CL326228	SP6	39206963	6.00E-06	179762
RP44_255C19	1	CL336005	T7	39152295	4.00E-04	CL336082	SP6	39334481	2.00E-52	182186
RP44_244A21	1	CL326698	SP6	39619395	5.00E-06	CL326629	T7	39805004	1.00E-13	185609

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_263P15	1	CL336808	T7	42571604	1.00E-12	CL336887	SP6	42772443	3.00E-25	200839
RP44_377M20	1	CL362489	SP6	44113372	2.00E-43	CL362410	T7	44266908	3.00E-08	153536
RP44_304B18	1	CL371991	SP6	46420303	8.00E-36	CL371907	T7	46599013	0.005	178710
RP44_433G20	1	CL413405	T7	46554252	2.00E-09	CL413492	SP6	46788909	6.00E-40	234657
RP44_279C23	1	CL344752	SP6	49798853	e-136	CL344677	T7	50024204	4.00E-10	225351
RP44_279G21	1	CL344768	SP6	49798853	e-130	CL344693	T7	50024240	1.00E-19	225387
RP44_268L22	1	CL339405	T7	50201430	4.00E-10	CL339480	SP6	50407008	3.00E-57	205578
RP44_400G8	1	CL365024	SP6	53035291	3.00E-68	CL364950	T7	53235190	2.00E-05	199899
RP44_330F5	1	CL385282	T7	53103833	7.00E-15	CL385349	SP6	53261533	7.00E-11	157700
RP44_358H15	1	CL366190	T7	55027093	2.00E-06	CL366258	SP6	55200886	5.00E-04	173793
RP44_266I12	1	CL338512	T7	55923209	4.00E-07	CL338594	SP6	56110527	1.00E-06	187318
RP44_413O10	1	CL357646	SP6	56497760	6.00E-71	CL357564	T7	56641824	0.006	144064
RP44_248L10	1	CL328581	T7	56653088	2.00E-52	CL333076	SP6	56829137	4.00E-04	176049
RP44_313H18	1	CL352004	T7	58057171	4.00E-31	CL352089	SP6	58248507	9.00E-08	191336
RP44_280G1	1	CL345311	T7	58294861	1.00E-07	CL345408	SP6	58524265	0.006	229404
RP44_277K6	1	CL343849	SP6	58679148	2.00E-09	CL343772	T7	58886695	3.00E-08	207547
RP44_265P21	1	CL338150	SP6	59903189	0.002	CL338069	T7	60087524	2.00E-06	184335
RP44_332H2	1	CL386099	SP6	60878749	1.00E-42	CL386023	T7	61048372	1.00E-61	169623
RP44_358P22	1	CL366442	SP6	61097400	9.00E-73	CL366374	T7	61267407	1.00E-10	170007
RP44_276G4	1	CL343194	SP6	61166418	1.00E-10	CL343105	T7	61329771	0.005	163353
RP44_248I21	1	CL328181	SP6	61615827	0.004	CL328107	T7	61814526	5.00E-09	198699
RP44_262P12	1	CL336374	SP6	61648460	9.00E-05	CL336415	T7	61881884	3.00E-23	233424
RP44_306J19	1	CL372672	SP6	62102775	8.00E-08	CL372586	T7	62302326	9.00E-05	199551
RP44_275H13	1	CL349032	SP6	62361261	4.00E-78	CL348949	T7	62555983	5.00E-19	194722
RP44_275P5	1	CL349071	SP6	62361261	3.00E-78	CL348989	T7	62555983	4.00E-19	194722
RP44_300J21	1	CL370959	SP6	62407078	5.00E-18	CL370873	T7	62619645	2.00E-04	212567
RP44_241B7	1	CL325401	T7	62788329	4.00E-25	CL325470	SP6	62950271	9.00E-05	161942
RP44_343A13	1	CL360923	SP6	63313414	2.00E-11	CL360850	T7	63463138	5.00E-05	149724
RP44_245G14	1	CL327291	SP6	63685432	2.00E-36	CL327224	T7	63837182	1.00E-06	151750
RP44_364I21	1	CL367141	SP6	65379978	1.00E-06	CL367066	T7	65635888	9.00E-36	255910
RP44_289M9	1	CL368411	T7	65943780	0.006	CL368495	SP6	66116728	9.00E-70	172948
RP44_383G21	1	CL362981	T7	66066085	6.00E-18	CL363065	SP6	66238456	9.00E-11	172371
RP44_306L24	1	CL372768	T7	66518257	3.00E-94	CL372849	SP6	66689285	2.00E-09	171028
RP44_280I23	1	CL345332	T7	67532993	3.00E-14	CL345431	SP6	67712277	2.00E-68	179284
RP44_253B3	1	CL335415	T7	67618894	1.00E-22	CL335486	SP6	67786624	1.00E-09	167730
RP44_394O8	1	CL329491	T7	67956353	2.00E-08	CL329492	SP6	68145899	5.00E-09	189546
RP44_419B8	1	CL410711	T7	68134024	0.004	CL410778	SP6	68288696	9.00E-16	154672

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RP44_305G1	1	CL372095	T7	68491272	5.00E-06	CL372168	SP6	68734605	9.00E-41	243333
RP44_382B9	1	CL328924	T7	69173274	0.001	CL328925	SP6	69293882	7.00E-12	120608
RP44_266E19	1	CL338419	SP6	69178592	1.00E-07	CL338339	T7	69405413	4.00E-32	226821
RP44_246B20	1	CL327990	SP6	69704194	5.00E-06	CL327911	T7	69925306	5.00E-09	221112
RP44_405G3	1	CL353926	T7	69721499	2.00E-08	CL353993	SP6	69908206	5.00E-06	186707
RP44_400L17	1	CL365126	T7	71050406	3.00E-14	CL365211	SP6	71280130	8.00E-27	229724
RP44_431B17	1	CL412738	T7	71157568	3.00E-11	CL412819	SP6	71321380	0.002	163812
RP44_275F18	1	CL342843	SP6	71224651	3.00E-05	CL349103	T7	71417855	3.00E-17	193204
RP44_276G3	1	CL342933	T7	71449282	6.00E-55	CL343017	SP6	71607251	e-102	157969
RP44_289N16	1	CL368985	SP6	71472966	7.00E-12	CL368903	T7	71640223	4.00E-04	167257
RP44_403H10	1	CL353858	SP6	71629436	1.00E-25	CL353794	T7	71808846	3.00E-20	179410
RP44_416M17	1	CL408855	T7	71912814	3.00E-20	CL408928	SP6	72109516	1.00E-06	196702
RP44_248H18	1	CL333062	SP6	72550288	1.00E-04	CL328565	T7	72772805	2.00E-70	222517
RP44_474A6	1	CL324188	T7	72772920	4.00E-35	CL324189	SP6	72920153	3.00E-33	147233
RP44_396J3	1	CL364418	T7	73776672	5.00E-06	CL364482	SP6	73932992	3.00E-20	156320
RP44_252E5	1	CL334710	T7	74054813	e-136	CL334790	SP6	74232228	5.00E-06	177415
RP44_263G17	1	CL336525	SP6	75135954	1.00E-12	CL336307	T7	75328565	4.00E-09	192611
RP44_432K15	1	CL413106	T7	75373361	6.00E-28	CL413191	SP6	75631205	5.00E-49	257844
RP44_309I5	1	CL349378	SP6	75949410	8.00E-24	CL349300	T7	76120803	2.00E-05	171393
RP44_288L14	1	CL368256	T7	76466190	2.00E-12	CL368319	SP6	76606888	3.00E-26	140698
RP44_251K14	1	CL334381	SP6	77034421	2.00E-49	CL334303	T7	77240879	4.00E-07	206458
RP44_251O12	1	CL334400	SP6	77034421	2.00E-49	CL334323	T7	77240889	3.00E-08	206468
RP44_281E6	1	CL387319	T7	77281503	2.00E-05	CL387400	SP6	77456662	4.00E-13	175159
RP44_305N3	1	CL372270	T7	77286261	6.00E-06	CL372351	SP6	77460458	3.00E-11	174197
RP44_267M14	1	CL338843	T7	78593895	1.00E-90	CL338916	SP6	78805893	3.00E-97	211998
RP44_310E7	1	CL349977	SP6	78632424	1.00E-04	CL349903	T7	78829652	4.00E-19	197228
RP44_327E12	1	CL383782	T7	78879402	5.00E-13	CL383861	SP6	79066289	3.00E-05	186887
RP44_426P20	1	CL379548	T7	79332379	5.00E-28	CL379636	SP6	79524244	8.00E-89	191865
RP44_314P1	1	CL381022	SP6	79565961	2.00E-15	CL380945	T7	79765420	1.00E-22	199459
RP44_244O3	1	CL326682	T7	80103161	1.00E-13	CL326756	SP6	80261762	9.00E-05	158601
RP44_380I19	1	CL362623	SP6	80103161	7.00E-15	CL362547	T7	80283822	1.00E-07	180661
RP44_261L5	1	CL341991	T7	80135677	3.00E-45	CL342058	SP6	80308974	3.00E-05	173297
RP44_428O4	1	CL379974	SP6	80726669	2.00E-05	CL379886	T7	80883874	2.00E-09	157205
RP44_309K3	1	CL349311	T7	81160521	2.00E-92	CL349388	SP6	81297381	3.00E-07	136860
RP44_258D9	1	CL340720	T7	81406105	2.00E-20	CL340803	SP6	81587400	3.00E-10	181295
RP44_257K8	1	CL340396	SP6	81732029	8.00E-14	CL340324	T7	81932770	4.00E-50	200741
RP44_396N12	1	CL364621	SP6	81732029	6.00E-14	CL364562	T7	81952356	6.00E-05	220327

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RP44_289L4	1	CL368970	SP6	81848560	0	CL368888	T7	82003084	4.00E-66	154524
RP44_265F14	1	CL338258	SP6	81943383	3.00E-63	CL338177	T7	82157685	1.00E-09	214302
RP44_419I13	1	CL410364	T7	83316453	2.00E-15	CL410431	SP6	83527355	e-134	210902
RP44_410P9	1	CL355947	T7	83420011	4.00E-90	CL356032	SP6	83614098	4.00E-26	194087
RP44_383G23	1	CL362982	T7	83606008	4.00E-07	CL363066	SP6	83704094	1.00E-65	98086
RP44_327N14	1	CL384052	SP6	84129069	3.00E-17	CL383981	T7	84286215	9.00E-30	157146
RP44_286B12	1	CL389538	SP6	87107459	3.00E-26	CL389462	T7	87282398	2.00E-27	174939
RP44_409M15	1	CL355130	SP6	87395170	4.00E-07	CL355063	T7	87564861	4.00E-04	169691
RP44_271A14	1	CL346607	T7	88365325	5.00E-37	CL346686	SP6	88590605	2.00E-18	225280
RP44_328L15	1	CL384194	SP6	90115921	1.00E-50	CL384116	T7	90260974	3.00E-85	145053
RP44_257D1	1	CL340499	SP6	90156676	9.00E-04	CL340434	T7	90346287	3.00E-57	189611
RP44_323O12	1	CL382119	SP6	90534123	e-133	CL382035	T7	90720541	1.00E-53	186418
RP44_437K19	1	CL322848	T7	90741197	5.00E-92	CL322849	SP6	90974654	5.00E-58	233457
RP44_449L5	1	CL377268	T7	91187445	2.00E-06	CL377350	SP6	91418647	1.00E-34	231202
RP44_265L15	1	CL338045	T7	91554497	2.00E-86	CL338126	SP6	91715907	1.00E-68	161410
RP44_426H10	1	CL379587	SP6	92048544	5.00E-52	CL379501	T7	92273578	2.00E-06	225034
RP44_284P22	1	CL388544	SP6	93627103	7.00E-08	CL388472	T7	93883547	3.00E-04	256444
RP44_469O15	1	CL373816	SP6	93897565	1.00E-13	CL373727	T7	94066787	1.00E-50	169222
RP44_313P24	1	CL352049	T7	93943189	6.00E-06	CL352131	SP6	94132571	1.00E-41	189382
RP44_370H18	1	CL328685	T7	94840054	5.00E-18	CL328686	SP6	95006372	3.00E-04	166318
RP44_380O17	1	CL362649	SP6	95351651	1.00E-04	CL362575	T7	95538218	1.00E-10	186567
RP44_290G22	1	CL369294	SP6	95621671	6.00E-06	CL369205	T7	95873516	4.00E-13	251845
RP44_250O7	1	CL333646	SP6	96897208	6.00E-09	CL333578	T7	97110197	2.00E-09	212989
RP44_287M1	1	CL389738	SP6	97487051	3.00E-17	CL389668	T7	97535536	e-168	48485
RP44_477N3	1	CL324729	SP6	97630750	5.00E-21	CL324728	T7	97800452	7.00E-05	169702
RP44_248F23	1	CL328395	T7	98826399	2.00E-04	CL328471	SP6	99050782	7.00E-14	224383
RP44_287O18	1	CL389837	T7	99061725	1.00E-19	CL389922	SP6	99281465	2.00E-21	219740
RP44_445N11	1	CL376771	T7	99189573	5.00E-06	CL376859	SP6	99359284	4.00E-06	169711
RP44_335M16	1	CL387044	T7	99282299	2.00E-12	CL358912	SP6	99447478	6.00E-12	165179
RP44_408K22	1	CL354754	T7	99946111	6.00E-09	CL354819	SP6	100185288	1.00E-06	239177
RP44_278P13	1	CL344413	T7	100731539	7.00E-49	CL344497	SP6	100897262	4.00E-07	165723
RP44_449H13	1	CL377332	SP6	101329798	3.00E-48	CL377251	T7	101556990	2.00E-15	227192
RP44_396C17	1	CL364080	T7	101495814	3.00E-04	CL364165	SP6	101700624	3.00E-13	204810
RP44_305J7	1	CL372250	T7	101612322	2.00E-42	CL372334	SP6	101806898	3.00E-23	194576
RP44_367I6	1	CL367408	SP6	103054109	2.00E-06	CL367331	T7	103462182	8.00E-15	408073
RP44_399J23	1	CL322077	SP6	106794902	1.00E-22	CL322076	T7	106971829	8.00E-33	176927
RP44_276H7	1	CL343353	SP6	106828512	1.00E-22	CL343271	T7	106994614	5.00E-28	166102

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RP44_245A20	1	CL327269	SP6	106934615	3.00E-20	CL327206	T7	107111785	1.00E-43	177170
RP44_276G24	1	CL343115	T7	106994715	8.00E-35	CL343204	SP6	107202524	7.00E-10	207809
RP44_413C11	1	CL357342	T7	108227394	1.00E-06	CL357421	SP6	108423145	1.00E-44	195751
RP44_279B19	1	CL344983	T7	108493105	9.00E-08	CL345050	SP6	108704093	0	210988
RP44_410L11	1	CL355927	T7	110807332	2.00E-30	CL356012	SP6	111009957	6.00E-30	202625
RP44_264K13	1	CL337188	SP6	111270201	1.00E-53	CL337107	T7	111471120	4.00E-16	200919
RP44_338N17	1	CL359993	T7	111649137	1.00E-09	CL360080	SP6	111824323	1.00E-56	175186
RP44_463B5	1	CL323996	T7	111785244	2.00E-24	CL323997	SP6	111989289	3.00E-10	204045
RP44_279K13	1	CL344711	T7	113076293	3.00E-17	CL344787	SP6	113302667	7.00E-43	226374
RP44_418E13	1	CL409892	T7	114590001	2.00E-07	CL409821	SP6	114811868	1.00E-83	221867
RP44_417K15	1	CL409277	T7	114835310	3.00E-04	CL409355	SP6	115007353	1.00E-89	172043
RP44_268O4	1	CL339179	SP6	116846936	e-135	CL339111	T7	117039565	4.00E-19	192629
RP44_244H14	1	CL327019	SP6	117049254	4.00E-06	CL326949	T7	117213541	e-103	164287
RP44_292C9	1	CL369583	T7	117616551	0.004	CL369650	SP6	117781394	7.00E-33	164843
RP44_275E17	1	CL348682	SP6	117649428	3.00E-08	CL348607	T7	117801458	7.00E-89	152030
RP44_344D10	1	CL361117	T7	117781693	3.00E-12	CL361189	SP6	117999884	8.00E-05	218191
RP44_299C4	1	CL440011	T7	117965670	2.00E-13	CL439948	SP6	118173918	3.00E-06	208248
RP44_383G17	1	CL363063	SP6	118174098	4.00E-13	CL362979	T7	118427717	2.00E-15	253619
RP44_272J15	1	CL347453	T7	118696036	3.00E-04	CL347529	SP6	118907951	1.00E-30	211915
RP44_324E3	1	CL382386	T7	146896711	9.00E-04	CL382469	SP6	147069319	3.00E-54	172608
RP44_305J24	1	CL372506	SP6	148349931	0.001	CL372422	T7	148509475	3.00E-13	159544
RP44_457G20	1	CL377727	T7	148369989	2.00E-08	CL377812	SP6	148538111	0.002	168122
RP44_330M8	1	CL385172	T7	148711103	5.00E-13	CL385250	SP6	148878974	3.00E-14	167871
RP44_471A13	1	CL375063	SP6	150686752	3.00E-18	CL374979	T7	150909588	3.00E-04	222836
RP44_418B10	1	CL410164	T7	150729401	3.00E-14	CL410250	SP6	151006822	9.00E-30	277421
RP44_457E23	1	CL377556	T7	151158610	0.002	CL377638	SP6	151333229	6.00E-51	174619
RP44_252E22	1	CL334934	SP6	154795048	7.00E-43	CL334867	T7	155028470	0.001	233422
RP44_251N15	1	CL334543	SP6	155236111	7.00E-06	CL334466	T7	155397621	1.00E-34	161510
RP44_289I22	1	CL368559	T7	155594508	7.00E-05	CL368639	SP6	155962034	1.00E-28	367526
RP44_337O12	1	CL359761	SP6	156393035	2.00E-06	CL359705	T7	156511291	1.00E-31	118256
RP44_404M2	1	CL322322	T7	157002741	2.00E-05	CL322323	SP6	157222269	4.00E-07	219528
RP44_284D14	1	CL388489	SP6	157297488	9.00E-23	CL388410	T7	157313627	7.00E-06	16139
RP44_280J1	1	CL345740	SP6	157845863	3.00E-21	CL345653	T7	158091010	4.00E-16	245147
RP44_325C1	1	CL382684	T7	157940602	8.00E-61	CL382767	SP6	158148851	3.00E-10	208249
RP44_396E18	1	CL364259	T7	158377241	5.00E-16	CL364337	SP6	158544719	0.006	167478
RP44_417N15	1	CL409647	SP6	158467525	5.00E-06	CL409573	T7	158625559	9.00E-10	158034
RP44_260F19	1	CL341328	T7	158467535	7.00E-05	CL341404	SP6	158616789	3.00E-38	149254

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RP44_265C11	1	CL337682	T7	160169620	0.005	CL337759	SP6	160367801	2.00E-09	198181
RP44_362N16	1	CL366875	SP6	160176995	3.00E-08	CL366798	T7	160343026	7.00E-12	166031
RP44_415L14	1	CL408683	T7	161464267	2.00E-10	CL408765	SP6	161664569	1.00E-04	200302
RP44_270N12	1	CL346586	SP6	161952871	4.00E-04	CL346502	T7	162128755	9.00E-14	175884
RP44_455L24	1	CL323089	T7	163328191	4.00E-04	CL323090	SP6	163611736	1.00E-55	283545
RP44_304O4	1	CL371722	SP6	163646668	2.00E-12	CL371645	T7	163784652	5.00E-49	137984
RP44_295H14	1	CL370566	SP6	163646884	1.00E-12	CL370494	T7	163784712	2.00E-70	137828
RP44_292A22	1	CL369787	T7	163760073	3.00E-26	CL369713	SP6	163935953	4.00E-19	175880
RP44_273G9	1	CL347771	SP6	164452015	5.00E-17	CL347691	T7	164603913	2.00E-18	151898
RP44_295I19	1	CL370262	T7	164538885	3.00E-10	CL370324	SP6	164713346	3.00E-07	174461
RP44_329L8	1	CL384956	SP6	164603772	1.00E-18	CL384892	T7	164752199	4.00E-15	148427
RP44_420K2	1	CL411116	SP6	165458017	6.00E-49	CL411049	T7	165666107	1.00E-06	208090
RP44_284H23	1	CL388268	T7	165839544	4.00E-09	CL388352	SP6	165988707	1.00E-37	149163
RP44_285G16	1	CL388738	T7	166084318	7.00E-09	CL388813	SP6	166259688	4.00E-14	175370
RP44_302H20	1	CL371472	T7	166472541	0.006	CL371536	SP6	166626660	2.00E-09	154119
RP44_244E11	1	CL326709	SP6	168427755	7.00E-17	CL326638	T7	168619249	1.00E-31	191494
RP44_337K13	1	CL359626	SP6	168456649	0.006	CL359562	T7	168619249	1.00E-31	162600
RP44_469M23	1	CL373719	T7	168529867	0.001	CL373808	SP6	168718623	9.00E-73	188756
RP44_398B15	1	CL364643	T7	168718451	4.00E-38	CL364726	SP6	168875606	6.00E-65	157155
RP44_306D16	1	CL372806	SP6	168830907	7.00E-09	CL372724	T7	168991510	4.00E-16	160603
RP44_300P17	1	CL370903	T7	168874295	3.00E-26	CL370989	SP6	169062851	1.00E-50	188556
RP44_414G12	1	CL358224	SP6	170334613	0.001	CL358148	T7	170527643	1.00E-06	193030
RP44_327L6	1	CL383967	T7	171946125	6.00E-12	CL384038	SP6	172112359	6.00E-04	166234
RP44_339M6	1	CL360443	SP6	171953087	1.00E-30	CL360386	T7	172112450	2.00E-21	159363
RP44_284O5	1	CL387993	T7	171953132	0	CL388062	SP6	172059513	2.00E-45	106381
RP44_367G8	1	CL367321	T7	172132567	1.00E-12	CL367399	SP6	172359653	1.00E-44	227086
RP44_338K23	1	CL359826	T7	173024540	4.00E-10	CL359907	SP6	173189662	4.00E-13	165122
RP44_431L11	1	CL412785	T7	173589023	1.00E-43	CL412864	SP6	173734273	5.00E-40	145250
RP44_431A12	1	CL412645	SP6	173713631	2.00E-05	CL412560	T7	173910603	6.00E-30	196972
RP44_426B3	1	CL379303	T7	173834674	1.00E-34	CL379384	SP6	174023941	2.00E-29	189267
RP44_339I17	1	CL360317	SP6	173964240	5.00E-37	CL360257	T7	174072797	4.00E-19	108557
RP44_249A3	1	CL333117	T7	174073057	1.00E-09	CL333180	SP6	174237155	9.00E-05	164098
RP44_336J24	1	CL359498	SP6	174141152	3.00E-35	CL359443	T7	174237155	3.00E-11	96003
RP44_413M3	1	CL357389	T7	174721158	0.004	CL357471	SP6	174933661	6.00E-08	212503
RP44_304N17	1	CL371888	SP6	175516882	7.00E-09	CL371800	T7	175632444	2.00E-30	115562
RP44_297J8	1	CL439827	T7	176577052	6.00E-21	CL439907	SP6	176776427	4.00E-07	199375
RP44_309I23	1	CL349309	T7	176699068	9.00E-05	CL349386	SP6	176896611	6.00E-71	197543

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RP44_401A5	1	CL352336	T7	177027594	0.009	CL352379	SP6	177195315	1.00E-07	167721
RP44_280E4	1	CL345473	T7	177628573	2.00E-08	CL345557	SP6	177797248	0.002	168675
RP44_332C16	1	CL385713	T7	177760330	3.00E-10	CL385785	SP6	177941879	1.00E-07	181549
RP44_332L13	1	CL385973	SP6	178073102	6.00E-06	CL385899	T7	178233473	1.00E-22	160371
RP44_310J8	1	CL350399	T7	178408698	2.00E-09	CL350479	SP6	178654543	3.00E-10	245845
RP44_250A22	1	CL333660	T7	178633295	1.00E-47	CL333729	SP6	178874895	2.00E-54	241600
RP44_287G5	1	CL389640	T7	179273390	1.00E-16	CL389717	SP6	179461107	4.00E-16	187717
RP44_261O4	1	CL341936	SP6	179951867	2.00E-08	CL341849	T7	180128321	2.00E-15	176454
RP44_268L20	1	CL339404	T7	180243435	5.00E-09	CL339479	SP6	180434961	2.00E-45	191526
RP44_285I6	1	CL388819	SP6	180303960	2.00E-24	CL388744	T7	180453611	3.00E-60	149651
RP44_277C20	1	CL343816	SP6	180337762	2.00E-11	CL343738	T7	180476208	4.00E-10	138446
RP44_471G19	1	CL375101	SP6	180609279	7.00E-06	CL375016	T7	180791626	8.00E-08	182347
RP44_416D23	1	CL408956	SP6	180775594	9.00E-11	CL409035	T7	180956461	6.00E-39	180867
RP44_306B11	1	CL372626	SP6	181437303	6.00E-15	CL372540	T7	181616009	1.00E-09	178706
RP44_306F16	1	CL372732	T7	181885567	6.00E-12	CL372815	SP6	181943770	7.00E-09	58203
RP44_411F13	1	CL356544	SP6	181941711	9.00E-08	CL356479	T7	182178473	1.00E-07	236762
RP44_301I19	1	CL371032	T7	182332878	1.00E-30	CL371102	SP6	182491948	2.00E-08	159070
RP44_274N2	1	CL348489	T7	182810451	1.00E-07	CL348565	SP6	182977121	4.00E-07	166670
RP44_338K9	1	CL359820	T7	185853810	6.00E-06	CL359901	SP6	186078983	1.00E-75	225173
RP44_383E13	1	CL363052	SP6	186109746	4.00E-04	CL362967	T7	186380654	1.00E-16	270908
RP44_383M13	1	CL363091	SP6	186110020	3.00E-04	CL363011	T7	186380245	3.00E-26	270225
RP44_325E15	1	CL382699	T7	188400392	2.00E-18	CL382781	SP6	188555320	3.00E-04	154928
RP44_383K6	1	CL363231	SP6	188440402	4.00E-10	CL363156	T7	188632461	8.00E-58	192059
RP44_414N14	1	CL358489	T7	188603678	3.00E-19	CL358571	SP6	188782718	1.00E-40	179040
RP44_289P16	1	CL368995	SP6	189465161	2.00E-36	CL368914	T7	189687386	1.00E-28	222225
RP44_415G4	1	CL408421	SP6	190727247	2.00E-21	CL358778	T7	190994647	3.00E-32	267400
RP44_252E9	1	CL334712	T7	194100801	2.00E-12	CL334792	SP6	194297301	3.00E-04	196500
RP44_382L1	1	CL329016	T7	196557513	6.00E-71	CL329017	SP6	196749445	4.00E-10	191932
RP44_420P21	1	CL411222	T7	196807531	2.00E-05	CL411306	SP6	197021820	8.00E-27	214289
RP44_399F11	1	CL322020	T7	199997538	4.00E-10	CL322021	SP6	200159369	5.00E-60	161831
RP44_469L3	1	CL374125	SP6	200560165	7.00E-70	CL374039	T7	200706839	3.00E-41	146674
RP44_430E10	1	CL411937	T7	200753410	3.00E-31	CL412019	SP6	200954822	9.00E-50	201412
RP44_272M17	1	CL347224	SP6	204100076	2.00E-18	CL347148	T7	204154237	0.002	54161
RP44_422A2	1	CL411480	T7	204713635	2.00E-12	CL411554	SP6	204880087	3.00E-47	166452
RP44_272O1	1	CL347152	T7	205363722	0.006	CL347227	SP6	205542414	1.00E-68	178692
RP44_276H4	1	CL343432	T7	206072908	6.00E-06	CL343513	SP6	206268572	e-108	195664
RP44_435B2	1	CL414057	SP6	206072908	5.00E-06	CL414005	T7	206272049	2.00E-72	199141

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RP44_314C8	1	CL352286	T7	206384562	2.00E-09	CL380801	SP6	206560513	2.00E-05	175951
RP44_271J1	1	CL346794	T7	207401352	2.00E-12	CL346875	SP6	207554752	1.00E-13	153400
RP44_380I17	1	CL362622	SP6	209404239	2.00E-14	CL362546	T7	209606151	7.00E-05	201912
RP44_335B5	1	CL359012	SP6	210472373	1.00E-10	CL358929	T7	210619586	e-142	147213
RP44_263C4	1	CL336663	SP6	212538678	6.00E-06	CL336585	T7	212720868	0	182190
RP44_270H22	1	CL346477	T7	212970576	0.002	CL346559	SP6	213144428	0	173852
RP44_306J12	1	CL372752	T7	213106094	0.001	CL372835	SP6	213279853	3.00E-35	173759
RP44_308L16	1	CL349167	T7	214193113	2.00E-48	CL349243	SP6	214380936	2.00E-08	187823
RP44_436H7	1	CL414430	SP6	214761870	3.00E-32	CL414346	T7	215005198	1.00E-07	243328
RP44_279L22	1	CL345256	SP6	215146729	9.00E-32	CL345177	T7	215387866	5.00E-06	241137
RP44_260B20	1	CL341465	T7	216596379	1.00E-16	CL341545	SP6	216823789	6.00E-29	227410
RP44_263H3	1	CL336844	SP6	217501984	3.00E-41	CL336766	T7	217673865	1.00E-31	171881
RP44_428G8	1	CL379931	SP6	221885205	1.00E-04	CL379844	T7	222125729	3.00E-08	240524
RP44_330O16	1	CL385262	SP6	221954232	0.005	CL385184	T7	222126708	e-112	172476
RP44_370L8	1	CL328711	T7	222213882	0.005	CL328712	SP6	222295143	2.00E-30	81261
RP44_358D16	1	CL366317	T7	223345691	2.00E-27	CL366389	SP6	223568168	3.00E-16	222477
RP44_365I19	1	CL367208	T7	225796696	9.00E-11	CL367268	SP6	226031190	2.00E-57	234494
RP44_432O17	1	CL413127	T7	225796696	1.00E-13	CL413212	SP6	226056786	5.00E-21	260090
RP44_422L21	1	CL377873	T7	226770860	2.00E-04	CL377935	SP6	226966241	3.00E-43	195381
RP44_330D12	1	CL385417	T7	227753378	1.00E-16	CL385496	SP6	228013920	2.00E-16	238542
RP44_403J16	1	CL353870	SP6	228377399	3.00E-04	CL353805	T7	228568537	8.00E-30	191138
RP44_335E19	1	CL386849	T7	229304962	6.00E-05	CL386926	SP6	229474736	1.00E-07	169774
RP44_329G16	1	CL384580	T7	231028315	4.00E-56	CL384657	SP6	231195792	7.00E-11	167477
RP44_262F13	1	CL342669	SP6	232139470	2.00E-09	CL342584	T7	232340347	1.00E-16	200877
RP44_394O10	1	CL329494	SP6	232291676	8.00E-05	CL329493	T7	232501442	2.00E-08	209766
RP44_412F11	1	CL357040	T7	233003426	9.00E-06	CL357125	SP6	233223291	8.00E-14	219865
RP44_470B24	1	CL374910	SP6	233914228	5.00E-62	CL374834	T7	233978112	2.00E-08	63884
RP44_329L2	1	CL384889	T7	235284435	9.00E-08	CL384953	SP6	235428070	3.00E-10	143635
RP44_263B23	1	CL336743	T7	236174990	2.00E-09	CL336821	SP6	236352165	8.00E-30	177175
RP44_272C24	1	CL347257	T7	239328074	2.00E-05	CL347343	SP6	239590793	5.00E-71	262719
RP44_333F10	1	CL386386	SP6	241518352	6.00E-52	CL386305	T7	241692909	3.00E-08	174557
RP44_313D23	1	CL351902	SP6	242241415	1.00E-19	CL351819	T7	242409467	4.00E-25	168052
RP44_426I1	2	CL379157	SP6	9027571	2.00E-06	CL379070	T7	9248899	2.00E-09	221328
RP44_404H22	2	CL322403	SP6	13127084	4.00E-43	CL322402	T7	13394924	1.00E-12	267840
RP44_302N24	2	CL371568	SP6	14225087	3.00E-08	CL371493	T7	14334854	3.00E-88	109767
RP44_297P15	2	CL439706	T7	15088160	1.00E-08			15255602	3.00E-04	167442
RP44_328H21	2	CL384099	T7	15971431	1.00E-13	CL384178	SP6	16181486	2.00E-12	210055

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RP44_334P1	2	CL386627	T7	16194266	2.00E-08	CL386697	SP6	16400923	2.00E-08	206657
RP44_253B24	2	CL335568	T7	17673871	2.00E-06	CL335639	SP6	17870472	9.00E-42	196601
RP44_394P22	2	CL329808	SP6	17791754	1.00E-09	CL329807	T7	18018603	9.00E-04	226849
RP44_410H12	2	CL356073	T7	18857945	6.00E-09	CL356156	SP6	19022334	7.00E-12	164389
RP44_430N23	2	CL412223	T7	18890874	e-107	CL412148	SP6	18922592	1.00E-07	31718
RP44_273K17	2	CL347715	T7	19602658	9.00E-08	CL347795	SP6	19757363	e-144	154705
RP44_382N18	2	CL329203	SP6	20542583	8.00E-07	CL329202	T7	20832450	0.007	289867
RP44_285O2	2	CL388847	SP6	21089828	3.00E-78	CL388770	T7	21278106	3.00E-23	188278
RP44_337C15	2	CL359595	SP6	21502688	7.00E-05	CL359532	T7	21727868	8.00E-36	225180
RP44_254D6	2	CL335854	T7	21934738	e-106	CL335928	SP6	22122822	1.00E-12	188084
RP44_338D10	2	CL360107	SP6	22512303	1.00E-62	CL360175	T7	22674662	1.00E-37	162359
RP44_410K10	2	CL355843	SP6	22649654	6.00E-04	CL355770	T7	22818138	2.00E-97	168484
RP44_245O9	2	CL327120	T7	23719276	6.00E-14	CL327194	SP6	23892518	0.005	173242
RP44_416C11	2	CL408878	SP6	24356462	0.006	CL408806	T7	24359261	1.00E-07	2799
RP44_415B3	2	CL408545	SP6	24686794	3.00E-17	CL408472	T7	24879407	1.00E-16	192613
RP44_280H10	2	CL345816	T7	27441491	2.00E-11	CL387098	SP6	27687890	7.00E-39	246399
RP44_264N5	2	CL337425	T7	27845693	2.00E-65	CL337499	SP6	28064166	0.005	218473
RP44_401H5	2	CL352680	SP6	28981492	3.00E-40	CL352601	T7	29180055	2.00E-38	198563
RP44_422J20	2	CL378060	SP6	29777704	1.00E-37	CL377995	T7	29970941	9.00E-24	193237
RP44_449B2	2	CL377450	SP6	29964751	0.008	CL377378	T7	30159484	5.00E-15	194733
RP44_413M11	2	CL357392	T7	31350439	3.00E-04	CL357473	SP6	31593611	7.00E-15	243172
RP44_327P22	2	CL384063	SP6	32757870	2.00E-21	CL383993	T7	32915523	6.00E-09	157653
RP44_458F6	2	CL323622	T7	33196466	1.00E-13	CL323623	SP6	33218039	7.00E-43	21573
RP44_281O9	2	CL387220	T7	33482388	7.00E-09	CL387292	SP6	33600124	3.00E-26	117736
RP44_408O5	2	CL354633	T7	33520748	8.00E-29	CL354699	SP6	33658295	6.00E-08	137547
RP44_394P19	2	CL329649	SP6	33544199	4.00E-12	CL329648	T7	33698231	0.003	154032
RP44_289P9	2	CL368829	SP6	33640434	3.00E-04	CL368748	T7	33879088	1.00E-19	238654
RP44_330D7	2	CL385341	SP6	35825333	4.00E-04	CL385276	T7	35975417	6.00E-06	150084
RP44_396N14	2	CL364622	SP6	36421059	5.00E-06	CL364563	T7	36569617	3.00E-04	148558
RP44_449M11	2	CL376941	T7	36491950	6.00E-12	CL377031	SP6	36647046	0.004	155096
RP44_276F14	2	CL343506	SP6	36535563	0.001	CL343426	T7	36732150	8.00E-95	196587
RP44_269M24	2	CL345916	T7	36602594	4.00E-12	CL345991	SP6	36772587	2.00E-39	169993
RP44_245P15	2	CL327467	SP6	36858803	1.00E-13	CL327399	T7	37008142	1.00E-09	149339
RP44_291E16	2	CL369528	SP6	37304928	1.00E-20	CL369465	T7	37471126	2.00E-39	166198
RP44_471I11	2	CL375108	SP6	37385929	3.00E-13	CL375023	T7	37537898	9.00E-54	151969
RP44_416C19	2	CL408808	T7	38071651	8.00E-30	CL408881	SP6	38311039	6.00E-61	239388
RP44_281A12	2	CL387381	SP6	38370482	9.00E-08	CL387299	T7	38584006	7.00E-18	213524

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RP44_276D21	2	CL343258	T7	40872684	1.00E-16	CL343340	SP6	41074406	3.00E-05	201722
RP44_275A2	2	CL348734	T7	41034113	1.00E-07	CL348825	SP6	41226023	2.00E-09	191910
RP44_246A23	2	CL327483	T7	42537309	4.00E-10	CL327554	SP6	42741425	9.00E-70	204116
RP44_252C7	2	CL334701	T7	42887556	6.00E-06	CL334782	SP6	43122502	1.00E-15	234946
RP44_308A2	2	CL373259	SP6	43169109	2.00E-26	CL373177	T7	43391409	3.00E-07	222300
RP44_273I24	2	CL347939	SP6	43545563	2.00E-04	CL347866	T7	43752166	9.00E-11	206603
RP44_314A3	2	CL352206	SP6	43896766	6.00E-55	CL352133	T7	44084759	3.00E-05	187993
RP44_277I18	2	CL343845	SP6	44465539	2.00E-83	CL343768	T7	44609930	0.007	144391
RP44_259A10	2	CL341081	SP6	44626053	4.00E-22	CL341010	T7	44798248	6.00E-09	172195
RP44_418O8	2	CL410097	SP6	45120182	8.00E-51	CL410010	T7	45341739	2.00E-04	221557
RP44_251M12	2	CL334389	SP6	45742626	8.00E-05	CL334312	T7	45922118	5.00E-15	179492
RP44_272M15	2	CL347223	SP6	46664285	9.00E-48	CL347147	T7	46854244	2.00E-18	189959
RP44_334L21	2	CL386685	SP6	46762159	4.00E-41	CL386617	T7	46922684	2.00E-14	160525
RP44_286G11	2	CL389026	T7	47637605	1.00E-04	CL389101	SP6	47660143	e-102	22538
RP44_260L21	2	CL341436	SP6	48457804	6.00E-05	CL341356	T7	48645019	3.00E-63	187215
RP44_261N21	2	CL342074	SP6	48588670	6.00E-06	CL342006	T7	48821983	4.00E-07	233313
RP44_261N8	2	CL342217	SP6	48588670	5.00E-06	CL342142	T7	48821983	0.001	233313
RP44_344J18	2	CL361220	SP6	48875815	0.001	CL361148	T7	49085425	2.00E-08	209610
RP44_279F20	2	CL345148	T7	49158822	3.00E-05	CL345228	SP6	49335129	5.00E-28	176307
RP44_430E18	2	CL411939	T7	50309199	4.00E-10	CL412022	SP6	50475985	8.00E-64	166786
RP44_277E22	2	CL343748	T7	50400708	2.00E-06	CL343825	SP6	50583983	8.00E-52	183275
RP44_417M17	2	CL409289	T7	50707883	7.00E-37	CL409365	SP6	50908384	9.00E-39	200501
RP44_325P1	2	CL383149	SP6	50936659	2.00E-06	CL383061	T7	51041620	2.00E-18	104961
RP44_449F3	2	CL377236	T7	52960633	0.005	CL377315	SP6	53161238	5.00E-06	200605
RP44_463H3	2	CL324032	T7	53838629	2.00E-10	CL324033	SP6	54033872	6.00E-41	195243
RP44_420F23	2	CL411174	T7	54784885	1.00E-30	CL411255	SP6	54956938	e-116	172053
RP44_248D20	2	CL333103	SP6	55101541	5.00E-80	CL328544	T7	55113690	8.00E-15	12149
RP44_409D19	2	CL355316	T7	56678161	1.00E-10	CL355394	SP6	56927660	2.00E-30	249499
RP44_418K12	2	CL409989	T7	57189685	2.00E-05	CL410077	SP6	57397164	2.00E-39	207479
RP44_424F4	2	CL378608	T7	59041291	1.00E-10	CL378672	SP6	59211458	0	170167
RP44_344J14	2	CL361147	T7	59554315	3.00E-13	CL361218	SP6	59766560	e-114	212245
RP44_328P9	2	CL384212	SP6	59600471	2.00E-58	CL384134	T7	59725532	3.00E-14	125061
RP44_296A1	2	CL370602	T7	60041262	8.00E-72	CL370677	SP6	60225798	0.003	184536
RP44_299M18	2	CL439991	SP6	60588604	4.00E-10	CL440053	T7	60762474	3.00E-57	173870
RP44_309F5	2	CL349670	SP6	61137875	1.00E-28	CL349599	T7	61293800	9.00E-08	155925
RP44_307K14	2	CL372985	SP6	61151369	5.00E-29	CL372920	T7	61306117	4.00E-34	154748
RP44_268D23	2	CL339285	SP6	62984952	5.00E-22	CL339202	T7	63152496	0	167544

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_282I23	2	CL387748	SP6	63724930	5.00E-13	CL387673	T7	63919177	0.005	194247
RP44_301G17	2	CL371091	SP6	64403996	1.00E-30	CL371022	T7	64638329	1.00E-24	234333
RP44_380I11	2	CL362544	T7	64448387	4.00E-07	CL362619	SP6	64621256	4.00E-04	172869
RP44_249E7	2	CL333134	T7	65501154	3.00E-07	CL333202	SP6	65684662	5.00E-07	183508
RP44_370D8	2	CL328642	SP6	65783420	3.00E-35	CL328641	T7	65976507	e-108	193087
RP44_436D2	2	CL375735	SP6	66720960	e-129	CL375653	T7	66965584	8.00E-30	244624
RP44_241F22	2	CL325571	T7	66788135	7.00E-27	CL325640	SP6	67016245	3.00E-41	228110
RP44_329H4	2	CL384876	T7	68039316	1.00E-96	CL384939	SP6	68224618	4.00E-56	185302
RP44_273A12	2	CL347901	SP6	68479823	3.00E-67	CL347824	T7	68706913	5.00E-12	227090
RP44_315N19	2	CL381355	SP6	69250524	6.00E-12	CL381269	T7	69416368	2.00E-11	165844
RP44_281B1	2	CL387539	SP6	69334453	0.001	CL387456	T7	69522908	3.00E-57	188455
RP44_330E6	2	CL385132	T7	69793365	3.00E-05	CL385207	SP6	69956353	7.00E-09	162988
RP44_292B22	2	CL369858	T7	70217029	0.006	CL369924	SP6	70409838	1.00E-33	192809
RP44_250A18	2	CL333658	T7	70631929	7.00E-29	CL333727	SP6	70860201	2.00E-14	228272
RP44_396I20	2	CL364355	SP6	71151876	8.00E-08	CL364280	T7	71533914	0	382038
RP44_253O11	2	CL335279	SP6	71548423	9.00E-10	CL335216	T7	71726001	2.00E-24	177578
RP44_457O6	2	CL377850	SP6	71945936	2.00E-17	CL377764	T7	72115272	2.00E-14	169336
RP44_413O22	2	CL357651	SP6	72047546	9.00E-05	CL357570	T7	72198861	2.00E-11	151315
RP44_248K23	2	CL328189	SP6	72811990	5.00E-16	CL328114	T7	72973833	3.00E-12	161843
RP44_289I21	2	CL368395	T7	73947322	6.00E-06	CL368481	SP6	74157357	9.00E-14	210035
RP44_463L2	2	CL324141	T7	76554544	6.00E-18	CL324142	SP6	76825595	2.00E-05	271051
RP44_291K11	2	CL369426	SP6	77113155	4.00E-83	CL369372	T7	77256023	8.00E-05	142868
RP44_420E19	2	CL410869	T7	78453016	1.00E-09	CL410953	SP6	78638990	2.00E-20	185974
RP44_280O1	2	CL345346	SP6	78453926	0.006	CL345366	T7	78639213	3.00E-20	185287
RP44_400B10	2	CL365239	SP6	78475510	5.00E-06	CL365313	T7	78676742	8.00E-27	201232
RP44_284H10	2	CL388504	SP6	79456302	7.00E-16	CL388429	T7	79606336	0.001	150034
RP44_278J21	2	CL344384	T7	79660346	8.00E-21	CL344470	SP6	79811541	0.007	151195
RP44_328B7	2	CL384142	SP6	80060211	6.00E-09	CL384068	T7	80187381	2.00E-37	127170
RP44_312E2	2	CL351307	T7	80791441	3.00E-20	CL351350	SP6	80980345	1.00E-04	188904
RP44_458G3	2	CL323334	T7	82919300	2.00E-05	CL323335	SP6	83142687	1.00E-13	223387
RP44_250P22	2	CL334012	T7	83298091	2.00E-05	CL334091	SP6	83484395	4.00E-07	186304
RP44_280B9	2	CL345698	SP6	97881601	3.00E-29	CL345612	T7	97996130	0.002	114529
RP44_399H15	2	CL322046	T7	100984901	1.00E-12	CL322047	SP6	101153918	2.00E-08	169017
RP44_419D9	2	CL410644	SP6	103623004	e-143	CL410573	T7	103958585	0.001	335581
RP44_275A10	2	CL348829	SP6	103824742	1.00E-78	CL348738	T7	104072374	5.00E-07	247632
RP44_248B5	2	CL328376	T7	104868691	2.00E-73	CL328451	SP6	105059336	2.00E-12	190645
RP44_372F19	2	CL367828	SP6	104893933	3.00E-04	CL367765	T7	105059336	1.00E-12	165403

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RP44_273P4	2	CL348035	T7	106834564	5.00E-10	CL348109	SP6	107114535	2.00E-54	279971
RP44_275J2	2	CL342858	SP6	111337144	3.00E-17	CL349119	T7	111529518	3.00E-04	192374
RP44_314K9	2	CL352250	SP6	111350203	1.00E-09	CL352178	T7	111534362	0.003	184159
RP44_330G15	2	CL385075	SP6	111535276	6.00E-06	CL385006	T7	111766778	6.00E-24	231502
RP44_469N19	2	CL374141	SP6	112943389	4.00E-19	CL374058	T7	113213006	6.00E-15	269617
RP44_457B18	2	CL373578	T7	113239236	e-162	CL323201	SP6	113389949	2.00E-45	150713
RP44_313H15	2	CL351836	T7	114654978	2.00E-09	CL351917	SP6	114849155	0.002	194177
RP44_334P15	2	CL386633	T7	114868158	2.00E-86	CL386703	SP6	114933344	3.00E-23	65186
RP44_383O18	2	CL363257	SP6	115089458	1.00E-10	CL363179	T7	115217834	8.00E-30	128376
RP44_264C11	2	CL337148	SP6	115454639	1.00E-62	CL337068	T7	115605774	4.00E-44	151135
RP44_264C9	2	CL337147	SP6	115454639	9.00E-59	CL337067	T7	115605536	4.00E-37	150897
RP44_457O11	2	CL377603	T7	116404044	e-101	CL377684	SP6	116581958	0.003	177914
RP44_373J4	2	CL328842	SP6	118506073	2.00E-08	CL328841	T7	118716552	e-155	210479
RP44_383K19	2	CL363085	SP6	119105310	6.00E-06	CL363003	T7	119249570	e-113	144260
RP44_416K19	2	CL408845	T7	119162749	0	CL408917	SP6	119323905	2.00E-23	161156
RP44_416C4	2	CL322616	T7	119162840	0	CL322617	SP6	119323905	2.00E-17	161065
RP44_265O15	2	CL337819	SP6	120251743	1.00E-06	CL337740	T7	120476243	3.00E-06	224500
RP44_290M22	2	CL369239	T7	125465962	4.00E-25	CL369326	SP6	125681856	2.00E-09	215894
RP44_365G9	2	CL367195	T7	133401295	1.00E-09	CL367259	SP6	133544902	1.00E-13	143607
RP44_276M11	2	CL343053	SP6	133440773	3.00E-04	CL342967	T7	133570777	4.00E-07	130004
RP44_300A23	2	CL440213	T7	133878094	e-115	CL370756	SP6	134047366	2.00E-33	169272
RP44_266M5	2	CL338457	SP6	134077281	1.00E-19	CL338374	T7	134281712	7.00E-12	204431
RP44_332M23	2	CL385692	SP6	134497288	0.001	CL385627	T7	134546264	2.00E-06	48976
RP44_332O23	2	CL385699	SP6	134497288	0.001	CL385635	T7	134546535	1.00E-06	49247
RP44_241J3	2	CL325432	T7	134608084	1.00E-06	CL325509	SP6	134767298	9.00E-36	159214
RP44_314J2	2	CL381153	SP6	137306923	4.00E-87	CL381070	T7	137436356	0.006	129433
RP44_272M23	2	CL347151	T7	137753389	1.00E-50	CL347226	SP6	137933803	e-145	180414
RP44_335I19	2	CL386944	SP6	137784449	4.00E-04	CL386867	T7	137945337	8.00E-24	160888
RP44_382F6	2	CL329116	SP6	138146465	0.001	CL329115	T7	138318513	2.00E-70	172048
RP44_430O24	2	CL412076	SP6	139331293	2.00E-06	CL411994	T7	139565483	7.00E-09	234190
RP44_253P10	2	CL335624	T7	140937913	2.00E-12	CL335693	SP6	141133058	8.00E-64	195145
RP44_409N20	2	CL355513	T7	141031514	4.00E-13	CL355588	SP6	141236779	1.00E-46	205265
RP44_260O19	2	CL341223	SP6	142146739	3.00E-04	CL341299	T7	142317718	4.00E-13	170979
RP44_457M16	2	CL377757	T7	143940650	2.00E-85	CL377843	SP6	144075861	3.00E-81	135211
RP44_253M15	2	CL335271	SP6	144126916	0	CL335207	T7	144281312	1.00E-31	154396
RP44_285H2	2	CL388880	T7	144162907	9.00E-08	CL388952	SP6	144324934	6.00E-06	162027
RP44_330P13	2	CL385398	SP6	144363554	1.00E-10	CL385327	T7	144472235	1.00E-41	108681

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RP44_383C7	2	CL363039	SP6	144655688	2.00E-57	CL362952	T7	144854944	2.00E-75	199256
RP44_305O13	2	CL372199	SP6	145057945	0.005	CL372138	T7	145246356	0	188411
RP44_426K15	2	CL379086	T7	145138732	2.00E-98	CL379174	SP6	145326807	5.00E-37	188075
RP44_279N10	2	CL345181	T7	145204711	0	CL345262	SP6	145338457	9.00E-39	133746
RP44_287M2	2	CL389819	T7	145246424	0	CL389904	SP6	145404274	1.00E-09	157850
RP44_416E13	2	CL408815	T7	145590477	1.00E-07	CL408887	SP6	145829282	1.00E-16	238805
RP44_353L14	2	CL365511	SP6	145966284	1.00E-28	CL365430	T7	146084378	1.00E-16	118094
RP44_287L10	2	CL390041	SP6	146047369	6.00E-08	CL389971	T7	146229899	1.00E-34	182530
RP44_255P24	2	CL339675	SP6	146477925	2.00E-05	CL339598	T7	146656394	4.00E-07	178469
RP44_405N24	2	CL354245	SP6	146949569	2.00E-58	CL354193	T7	147087553	1.00E-04	137984
RP44_403P19	2	CL353705	T7	147149323	3.00E-17	CL353773	SP6	147342529	9.00E-21	193206
RP44_259O4	2	CL341136	SP6	147403550	1.00E-04	CL341069	T7	147543049	5.00E-22	139499
RP44_273E2	2	CL347915	SP6	148029112	0.001	CL347838	T7	148205753	2.00E-21	176641
RP44_412J11	2	CL357144	SP6	148064348	3.00E-16	CL357061	T7	148267245	4.00E-06	202897
RP44_272K11	2	CL347135	T7	150218962	1.00E-09	CL347211	SP6	150458025	2.00E-15	239063
RP44_313J20	2	CL352016	T7	151849264	7.00E-15	CL352099	SP6	152004283	1.00E-06	155019
RP44_256N6	2	CL340106	SP6	152176289	1.00E-25	CL340031	T7	152362092	2.00E-33	185803
RP44_373D8	2	CL328786	SP6	152344846	1.00E-13	CL328785	T7	152542288	5.00E-15	197442
RP44_278P14	2	CL344576	T7	152679174	4.00E-07	CL344653	SP6	152858625	1.00E-19	179451
RP44_289J18	2	CL368883	T7	153130452	4.00E-10	CL368965	SP6	153319503	4.00E-10	189051
RP44_290E21	2	CL369109	SP6	153776017	1.00E-25	CL369028	T7	153933417	2.00E-12	157400
RP44_275E4	2	CL348758	T7	154813512	1.00E-16	CL348848	SP6	155014051	4.00E-07	200539
RP44_436C22	2	CL414174	T7	156205299	1.00E-28	CL414252	SP6	156472601	0	267302
RP44_353J4	2	CL365496	SP6	157264661	2.00E-11	CL365421	T7	157441780	4.00E-07	177119
RP44_474A22	2	CL324203	SP6	157278958	7.00E-43	CL324202	T7	157449855	7.00E-15	170897
RP44_337K24	2	CL359752	SP6	157895124	6.00E-06	CL359694	T7	158140187	8.00E-18	245063
RP44_244P10	2	CL326982	T7	158662005	1.00E-06	CL327053	SP6	158865359	1.00E-22	203354
RP44_280L15	2	CL345669	T7	159665917	2.00E-06	CL345757	SP6	159921983	3.00E-10	256066
RP44_424C14	2	CL378417	SP6	160439413	9.00E-24	CL378351	T7	160625823	5.00E-53	186410
RP44_424E14	2	CL378424	SP6	160439413	1.00E-21	CL378361	T7	160625697	2.00E-42	186284
RP44_396E14	2	CL364335	SP6	160872510	4.00E-41	CL364257	T7	161096409	3.00E-35	223899
RP44_261J23	2	CL341988	T7	162066834	e-172	CL342055	SP6	162246939	5.00E-18	180105
RP44_412M17	2	CL356780	T7	162683371	3.00E-88	CL356857	SP6	162842128	3.00E-42	158757
RP44_308I14	2	CL373302	SP6	163050140	9.00E-08	CL373225	T7	163190157	3.00E-20	140017
RP44_250L3	2	CL333840	T7	163070971	5.00E-09	CL333914	SP6	163222428	6.00E-12	151457
RP44_330I6	2	CL385152	T7	163589825	6.00E-43	CL385228	SP6	163773936	1.00E-15	184111
RP44_335B22	2	CL359177	SP6	163629136	1.00E-15	CL359101	T7	163795233	7.00E-08	166097

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RP44_373J16	2	CL328848	T7	163795494	6.00E-15	CL328849	SP6	163980763	1.00E-13	185269
RP44_280A19	2	CL345289	T7	164290879	e-105	CL345386	SP6	164472745	e-150	181866
RP44_354C15	2	CL365612	SP6	164382151	4.00E-13	CL365550	T7	164512286	1.00E-09	130135
RP44_301K5	2	CL371037	T7	164410352	3.00E-32	CL371107	SP6	164550314	8.00E-33	139962
RP44_469B10	2	CL374158	T7	164528675	e-147	CL374234	SP6	164654181	1.00E-22	125506
RP44_308E10	2	CL373202	T7	165969423	4.00E-75	CL373281	SP6	166150059	3.00E-08	180636
RP44_291I14	2	CL369541	SP6	166579069	7.00E-67	CL369482	T7	166724838	1.00E-06	145769
RP44_478N10	2	CL324992	SP6	166579271	4.00E-58	CL324991	T7	166724838	3.00E-07	145567
RP44_353N2	2	CL365435	T7	166580005	4.00E-40	CL365516	SP6	166709909	8.00E-05	129904
RP44_334B20	2	CL386772	SP6	166639608	2.00E-08	CL386711	T7	166691301	2.00E-21	51693
RP44_314N12	2	CL381095	T7	166910341	0.006	CL381180	SP6	167099410	3.00E-39	189069
RP44_278K17	2	CL344066	T7	168142583	2.00E-06	CL344144	SP6	168330883	3.00E-20	188300
RP44_258F18	2	CL340889	T7	168726338	2.00E-42	CL340959	SP6	168850360	1.00E-25	124022
RP44_273N20	2	CL348031	T7	168958939	2.00E-23	CL348105	SP6	169139656	9.00E-08	180717
RP44_420K20	2	CL411125	SP6	169385626	1.00E-06	CL411057	T7	169553896	6.00E-08	168270
RP44_308N4	2	CL349247	SP6	169399437	4.00E-07	CL349171	T7	169556112	6.00E-06	156675
RP44_249C12	2	CL333267	T7	169671782	6.00E-39	CL333267	SP6	169901215	8.00E-04	229433
RP44_367L5	2	CL367587	SP6	170365227	6.00E-37	CL367504	T7	170392219	5.00E-12	26992
RP44_470P14	2	CL374895	T7	170893610	8.00E-82	CL374968	SP6	171098854	e-116	205244
RP44_290G20	2	CL369293	SP6	170918171	0.001	CL369204	T7	171104314	5.00E-28	186143
RP44_420B3	2	CL411224	SP6	171135208	3.00E-14	CL411146	T7	171325049	1.00E-70	189841
RP44_411E22	2	CL356357	T7	171661621	5.00E-09	CL356413	SP6	171818112	7.00E-09	156491
RP44_469J12	2	CL374196	T7	172035905	1.00E-18	CL374276	SP6	172229895	2.00E-14	193990
RP44_272O15	2	CL347159	T7	172453255	3.00E-07	CL347233	SP6	172633010	4.00E-32	179755
RP44_433K8	2	CL413506	SP6	173664409	1.00E-04	CL413420	T7	173824389	5.00E-06	159980
RP44_270N13	2	CL346421	SP6	174279639	2.00E-13	CL346345	T7	174487504	2.00E-08	207865
RP44_330L17	2	CL385383	SP6	174279639	4.00E-13	CL385314	T7	174487504	2.00E-08	207865
RP44_295B20	2	CL370467	T7	174739614	6.00E-09	CL370543	SP6	174936065	0	196451
RP44_286J5	2	CL389419	SP6	174795540	1.00E-06	CL389341	T7	174970784	e-106	175244
RP44_367A8	2	CL367375	SP6	174795540	2.00E-06	CL367292	T7	174979287	6.00E-12	183747
RP44_333A20	2	CL386155	T7	174909408	0	CL386216	SP6	174936066	0	26658
RP44_413F3	2	CL357673	T7	176219607	1.00E-27	CL357754	SP6	176438792	2.00E-27	219185
RP44_286D21	2	CL389323	T7	176249663	2.00E-24	CL389395	SP6	176444010	8.00E-27	194347
RP44_262I7	2	CL342277	T7	176319524	3.00E-60	CL342353	SP6	176559182	e-139	239658
RP44_400H22	2	CL365346	T7	177292831	9.00E-24	CL365274	SP6	177462719	3.00E-23	169888
RP44_449P11	2	CL377289	T7	177298639	e-108	CL377373	SP6	177483181	e-104	184542
RP44_290G6	2	CL369286	SP6	178811059	7.00E-15	CL369197	T7	178989940	9.00E-08	178881

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_300B3	2	CL370825	T7	179137063	3.00E-20	CL370908	SP6	208351489	3.00E-11	29214426
RP44_256J15	2	CL339873	T7	179273005	5.00E-56	CL339950	SP6	179453397	1.00E-86	180392
RP44_296G7	2	CL370633	T7	179305802	1.00E-55	CL370711	SP6	179457572	2.00E-33	151770
RP44_260G1	2	CL341254	T7	179362002	0	CL341175	SP6	179536313	5.00E-22	174311
RP44_307C8	2	CL372880	T7	179381598	2.00E-58	CL372949	SP6	179612043	5.00E-05	230445
RP44_463F23	2	CL324029	SP6	179444630	1.00E-08	CL324028	T7	179618867	e-103	174237
RP44_416I8	2	CL322676	T7	180264061	6.00E-06	CL322677	SP6	180435645	2.00E-21	171584
RP44_457B2	2	CL373571	T7	181875706	5.00E-22	CL323194	SP6	181910389	6.00E-06	34683
RP44_314G2	2	CL352303	T7	183048157	2.00E-09	CL380821	SP6	183104967	6.00E-06	56810
RP44_383M6	2	CL363241	SP6	183715791	1.00E-06	CL363165	T7	183907780	3.00E-51	191989
RP44_284J18	2	CL388442	T7	183843328	2.00E-05	CL388516	SP6	184043570	1.00E-61	200242
RP44_284E1	2	CL388017	SP6	184825020	2.00E-15	CL387950	T7	185039967	2.00E-08	214947
RP44_311L1	2	CL350869	T7	184948155	6.00E-71	CL350962	SP6	185128626	8.00E-05	180471
RP44_402E22	2	CL353150	SP6	187920247	3.00E-72	CL353072	T7	188123272	0.007	203025
RP44_426J8	2	CL379510	T7	188262953	1.00E-10	CL379596	SP6	188470584	0.005	207631
RP44_324G15	2	CL382487	SP6	189124852	5.00E-19	CL382403	T7	189267471	0.006	142619
RP44_367J5	2	CL367576	SP6	190453891	3.00E-11	CL367493	T7	190606063	3.00E-05	152172
RP44_343B3	2	CL361039	SP6	190889586	1.00E-22	CL360975	T7	191030200	5.00E-08	140614
RP44_425M23	2	CL378789	T7	191866421	1.00E-10	CL378871	SP6	192079019	4.00E-16	212598
RP44_413I21	2	CL357456	SP6	192073010	1.00E-77	CL357374	T7	192220532	1.00E-10	147522
RP44_257M7	2	CL340182	T7	192358273	2.00E-13	CL340260	SP6	192514998	5.00E-21	156725
RP44_267C14	2	CL338808	T7	192523089	4.00E-13	CL338873	SP6	192688089	9.00E-17	165000
RP44_410B14	2	CL356044	T7	192585817	e-135	CL356125	SP6	192735517	1.00E-22	149700
RP44_315J1	2	CL381324	SP6	192863270	2.00E-26	CL381240	T7	193013333	2.00E-55	150063
RP44_305H18	2	CL372407	T7	193139424	1.00E-19	CL372491	SP6	193332766	7.00E-09	193342
RP44_265O2	2	CL337980	SP6	193936523	5.00E-06	CL337899	T7	194169153	7.00E-09	232630
RP44_248N18	2	CL328593	T7	195826231	1.00E-13	CL333089	SP6	195978609	1.00E-56	152378
RP44_474C10	2	CL324215	SP6	197541479	2.00E-15	CL324214	T7	197705549	7.00E-15	164070
RP44_280H2	2	CL387095	SP6	198102188	6.00E-06			198303150	4.00E-60	200962
RP44_272A18	2	CL347245	T7	199191108	0	CL347330	SP6	199422637	2.00E-08	231529
RP44_310I3	2	CL349920	T7	199675529	1.00E-10	CL349997	SP6	199866371	3.00E-17	190842
RP44_470I1	2	CL374438	SP6	200342080	4.00E-10	CL374353	T7	200511670	1.00E-15	169590
RP44_362I20	2	CL366560	SP6	200690208	2.00E-15	CL366486	T7	200868920	e-141	178712
RP44_243M3	2	CL326250	SP6	201208228	3.00E-47	CL326171	T7	201367779	2.00E-05	159551
RP44_401L12	2	CL352789	T7	202273713	2.00E-33	CL352866	SP6	202399177	5.00E-13	125464
RP44_401L1	2	CL352620	T7	202575926	7.00E-14	CL352697	SP6	202778512	6.00E-61	202586
RP44_314F21	2	CL380983	SP6	203042721	2.00E-08	CL380901	T7	203208485	1.00E-25	165764

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RP44_289D1	2	CL368766	SP6	203703760	7.00E-12	CL368685	T7	203888927	1.00E-28	185167
RP44_272N23	2	CL347552	SP6	203735228	4.00E-06	CL347472	T7	203906839	2.00E-42	171611
RP44_401D15	2	CL352662	SP6	204354837	1.00E-16	CL352583	T7	204568483	6.00E-12	213646
RP44_367D5	2	CL367460	T7	204758758	0.006	CL367542	SP6	204952915	3.00E-17	194157
RP44_292K11	2	CL369616	T7	204850253	2.00E-08	CL369683	SP6	205003192	5.00E-46	152939
RP44_415C3	2	CL358675	SP6	204850255	9.00E-04	CL358594	T7	205057690	e-109	207435
RP44_325F7	2	CL383099	SP6	204984241	0.001	CL383014	T7	205157521	6.00E-92	173280
RP44_282O11	2	CL387693	T7	205093052	6.00E-10	CL387771	SP6	205289902	9.00E-05	196850
RP44_245J19	2	CL327371	T7	207271215	2.00E-16	CL327441	SP6	207421476	1.00E-45	150261
RP44_476O24	2	CL324719	SP6	207765596	3.00E-96	CL324718	T7	207943051	e-103	177455
RP44_312K3	2	CL351198	T7	208248092	7.00E-09	CL351274	SP6	208426323	2.00E-84	178231
RP44_469I14	2	CL373951	SP6	208570224	1.00E-86	CL373869	T7	208740652	1.00E-19	170428
RP44_377C14	2	CL362437	SP6	208701254	6.00E-06	CL362357	T7	208869190	1.00E-90	167936
RP44_410O18	2	CL355793	T7	208701254	2.00E-06	CL355865	SP6	208780546	4.00E-65	79292
RP44_338K13	2	CL359903	SP6	209980047	5.00E-16	CL359822	T7	210228103	8.00E-05	248056
RP44_308F21	2	CL373439	SP6	210169240	2.00E-15	CL373365	T7	210387573	8.00E-05	218333
RP44_250C13	2	CL333597	SP6	210428362	2.00E-09	CL333529	T7	210610891	0.005	182529
RP44_313N21	2	CL351869	T7	210499501	2.00E-34	CL351952	SP6	210658899	3.00E-05	159398
RP44_285G14	2	CL388737	T7	210530209	1.00E-10	CL388812	SP6	210696589	6.00E-09	166380
RP44_258P1	2	CL340779	T7	211514522	2.00E-06	CL340855	SP6	211725772	3.00E-26	211250
RP44_353F14	2	CL365405	T7	211768081	1.00E-86	CL365479	SP6	211922186	9.00E-14	154105
RP44_306J3	2	CL372667	SP6	213029827	2.00E-55	CL372580	T7	213189725	0.005	159898
RP44_413A20	2	CL357495	T7	213188768	4.00E-47	CL357579	SP6	213418661	4.00E-04	229893
RP44_292P6	2	CL369910	T7	213374152	3.00E-13	CL369975	SP6	213560019	0.009	185867
RP44_313P1	2	CL351954	SP6	213429695	3.00E-20	CL351871	T7	213595672	2.00E-05	165977
RP44_313P2	2	CL352122	SP6	213429695	3.00E-20	CL352040	T7	213595739	2.00E-06	166044
RP44_305P15	2	CL372365	SP6	213730662	5.00E-56	CL372284	T7	213883306	1.00E-25	152644
RP44_292N12	2	CL369904	T7	213770214	0.001	CL369968	SP6	213933409	9.00E-76	163195
RP44_275E7	2	CL348603	T7	214689762	1.00E-28	CL348678	SP6	214898334	2.00E-05	208572
RP44_337G10	2	CL359732	SP6	214835481	6.00E-34	CL359670	T7	214938823	5.00E-16	103342
RP44_337M22	2	CL359757	SP6	214934474	2.00E-71	CL359699	T7	215068353	4.00E-04	133879
RP44_260C3	2	CL341157	SP6	214979052	5.00E-19	CL341238	T7	215174098	1.00E-07	195046
RP44_441O7	2	CL375888	SP6	215026122	6.00E-14	CL375854	T7	215212855	8.00E-05	186733
RP44_311F9	2	CL350922	SP6	215181864	2.00E-43	CL350841	T7	215362274	7.00E-27	180410
RP44_420A15	2	CL410846	T7	215353119	2.00E-06	CL410932	SP6	215542477	1.00E-06	189358
RP44_380F6	2	CL362883	SP6	215676968	4.00E-13	CL362808	T7	215844274	7.00E-18	167306
RP44_417P21	2	CL409660	SP6	215840244	1.00E-49	CL409580	T7	216002698	0.005	162454

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RP44_430C17	2	CL411764	T7	216057494	5.00E-06	CL411846	SP6	216263724	8.00E-30	206230
RP44_254B16	2	CL335849	T7	216383744	2.00E-08	CL335923	SP6	216614921	6.00E-21	231177
RP44_266A8	2	CL338474	T7	216828024	3.00E-10	CL338550	SP6	217010522	4.00E-07	182498
RP44_270D3	2	CL346366	SP6	216929485	1.00E-18	CL346288	T7	217142749	2.00E-70	213264
RP44_277E15	2	CL343670	SP6	217821287	6.00E-28	CL343578	T7	218014731	7.00E-09	193444
RP44_277O15	2	CL343717	SP6	217821287	5.00E-28	CL343640	T7	218014731	1.00E-10	193444
RP44_327E9	2	CL383710	SP6	217876878	4.00E-07	CL383641	T7	218012114	5.00E-19	135236
RP44_432L12	2	CL413331	SP6	218495657	1.00E-19	CL413254	T7	218676546	3.00E-59	180889
RP44_388H24	2	CL363565	T7	219254309	4.00E-19	CL363635	SP6	219479290	6.00E-18	224981
RP44_304D9	2	CL371830	SP6	219604401	2.00E-06	CL371744	T7	219785082	9.00E-45	180681
RP44_310K19	2	CL350013	SP6	220068130	e-101	CL349935	T7	220264323	1.00E-45	196193
RP44_313L24	2	CL352112	SP6	222535856	9.00E-35	CL352029	T7	222726852	1.00E-74	190996
RP44_269C20	2	CL345943	SP6	222879030	4.00E-50	CL345866	T7	223054881	9.00E-85	175851
RP44_274B21	2	CL348362	SP6	224241109	1.00E-25	CL348276	T7	224410527	3.00E-08	169418
RP44_327P14	2	CL384059	SP6	224434523	8.00E-15	CL383990	T7	224456160	1.00E-10	21637
RP44_409P12	2	CL355517	T7	227621588	1.00E-09	CL355595	SP6	227839250	3.00E-04	217662
RP44_409P13	2	CL355371	T7	227621588	2.00E-09	CL355449	SP6	227839250	3.00E-32	217662
RP44_343B21	2	CL360982	T7	228328786	3.00E-08	CL361044	SP6	228516430	3.00E-11	187644
RP44_431N18	2	CL412960	T7	229681955	3.00E-08	CL413037	SP6	229904956	0.001	223001
RP44_373N22	2	CL328891	T7	229689849	2.00E-06	CL328892	SP6	229862583	6.00E-15	172734
RP44_396J1	2	CL364417	T7	229854389	e-172	CL364481	SP6	230006245	6.00E-08	151856
RP44_309G4	2	CL349528	SP6	230231298	0.002	CL349449	T7	230403336	1.00E-16	172038
RP44_436E16	2	CL414261	SP6	231869706	4.00E-07	CL414183	T7	232055546	3.00E-20	185840
RP44_253L19	2	CL335543	SP6	232594250	3.00E-72	CL335465	T7	232875512	3.00E-04	281262
RP44_258B18	2	CL340938	SP6	233803830	1.00E-06	CL340870	T7	234131772	4.00E-06	327942
RP44_415N14	2	CL408694	T7	234855589	5.00E-31	CL408776	SP6	235079647	3.00E-23	224058
RP44_309H19	3	CL349613	T7	258894	2.00E-05	CL349686	SP6	396972	3.00E-48	138078
RP44_470P5	3	CL374815	SP6	2681452	4.00E-19	CL374728	T7	2814641	1.00E-16	133189
RP44_396C10	3	CL364247	T7	2775302	4.00E-44	CL364323	SP6	2956623	2.00E-11	181321
RP44_396E5	3	CL364171	SP6	2776430	9.00E-45	CL364085	T7	2951589	3.00E-04	175159
RP44_432P24	3	CL413282	T7	2842093	2.00E-18	CL413360	SP6	3024353	1.00E-07	182260
RP44_269G20	3	CL345885	T7	3453751	3.00E-11	CL345959	SP6	3579762	4.00E-07	126011
RP44_277K10	3	CL343851	SP6	3878834	0	CL343774	T7	4088158	2.00E-74	209324
RP44_277M18	3	CL343865	SP6	3878834	0	CL343788	T7	4088181	2.00E-74	209347
RP44_279C13	3	CL344672	T7	11425539	5.00E-13	CL344747	SP6	11601980	3.00E-14	176441
RP44_413N10	3	CL357964	SP6	12416982	2.00E-08	CL357878	T7	12605766	1.00E-65	188784
RP44_275C16	3	CL348843	SP6	12450098	e-163	CL348753	T7	12619960	1.00E-07	169862

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RP44_354A19	3	CL365608	SP6	12503610	8.00E-05	CL365545	T7	12662765	2.00E-17	159155
RP44_406P13	3	CL354439	SP6	17077067	5.00E-09	CL354393	T7	17371578	4.00E-06	294511
RP44_463H23	3	CL324038		17530891	6.00E-05	CL324037	T7	17559779	e-132	28888
RP44_286A16	3	CL389234	SP6	18322399	2.00E-08	CL389158	T7	18516776	2.00E-11	194377
RP44_408N23	3	CL354997	SP6	18364544	1.00E-06	CL354914	T7	18502088	8.00E-08	137544
RP44_399P19	3	CL322137	SP6	18459745	2.00E-11	CL322136	T7	18673669	2.00E-18	213924
RP44_305D10	3	CL372382	T7	18502482	3.00E-29	CL372467	SP6	18684185	9.00E-08	181703
RP44_470P12	3	CL374967	SP6	18786158	4.00E-19	CL374894	T7	19002560	2.00E-36	216402
RP44_457N7	3	CL323175	SP6	18802704	2.00E-29	CL373554	T7	19008021	0.002	205317
RP44_284J4	3	CL388436	T7	19161472	3.00E-04	CL388512	SP6	19330432	1.00E-32	168960
RP44_429J17	3	CL411717	SP6	20230956	1.00E-15	CL380461	T7	20450828	0.005	219872
RP44_253A10	3	CL335356	SP6	20633295	2.00E-21	CL335287	T7	20801473	7.00E-14	168178
RP44_279G16	3	CL344848	T7	20796122	4.00E-22	CL344929	SP6	21010025	6.00E-09	213903
RP44_394L15	3	CL329609	SP6	21252838	7.00E-05	CL329608	T7	21472300	8.00E-07	219462
RP44_278L18	3	CL344555	T7	22779618	2.00E-06	CL344635	SP6	22954449	3.00E-17	174831
RP44_278N18	3	CL344566	T7	22779620	3.00E-05	CL344644	SP6	22954449	4.00E-17	174829
RP44_457P14	3	CL373640	T7	22802685	8.00E-11	CL323264	SP6	22967167	4.00E-40	164482
RP44_471C1	3	CL374985	T7	23004891	7.00E-12	CL375069		23167854	9.00E-05	162963
RP44_272C6	3	CL347249	T7	23220726	2.00E-39	CL347335	SP6	23381402	8.00E-08	160676
RP44_309E23	3	CL349366	SP6	23315739	1.00E-16	CL349288	T7	23486280	0.007	170541
RP44_355B7	3	CL365663	T7	23341028	1.00E-58	CL365735	SP6	23504531	2.00E-44	163503
RP44_326O24	3	CL383409	T7	23775475	0.002	CL383481	SP6	23934274	e-142	158799
RP44_333B24	3	CL386293	T7	24371820	1.00E-04	CL386374	SP6	24500647	1.00E-75	128827
RP44_307C18	3	CL372885	T7	24838221	5.00E-06	CL372954	SP6	25027001	8.00E-04	188780
RP44_380L11	3	CL362692	T7	24903464	3.00E-16	CL362762	SP6	25044140	7.00E-09	140676
RP44_309I1	3	CL349298	T7	25073525	0.006	CL349376	SP6	25243038	6.00E-09	169513
RP44_265M10	3	CL337973	SP6	27568969	4.00E-05	CL337892	T7	27827000	1.00E-32	258031
RP44_255P22	3	CL339674	SP6	29099246	4.00E-10	CL339597	T7	29235936	2.00E-67	136690
RP44_263P12	3	CL337045	SP6	29403256	3.00E-07	CL336965	T7	29591287	8.00E-05	188031
RP44_323F6	3	CL382225	T7	31692820	4.00E-04	CL382305	SP6	31829744	e-102	136924
RP44_338E19	3	CL359875	SP6	35600427	e-109	CL359793	T7	35791887	6.00E-06	191460
RP44_412P13	3	CL357094	T7	35638183	3.00E-07	CL357176	SP6	35821779	4.00E-13	183596
RP44_413P15	3	CL357728	T7	36183902	4.00E-07	CL357807	SP6	36462153	e-152	278251
RP44_269M2	3	CL345907	T7	37457180	2.00E-12	CL345981	SP6	37623285	2.00E-09	166105
RP44_287P8	3	CL390061	SP6	37728412	2.00E-36	CL389987	T7	37791380	3.00E-56	62968
RP44_458E22	3	CL323472	SP6	38436324	8.00E-05	CL323471	T7	38633605	2.00E-11	197281
RP44_304D24	3	CL372004	SP6	38460752	5.00E-40	CL371920	T7	38837196	1.00E-14	376444

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_287A22	3	CL389766	T7	40604495	8.00E-05	CL389848	SP6	40907829	4.00E-07	303334
RP44_415A16	3	CL358836	SP6	41702457	5.00E-06	CL358754	T7	41930879	3.00E-31	228422
RP44_417H16	3	CL409691	T7	42371240	1.00E-25	CL409755	SP6	42586486	0.001	215246
RP44_401D8	3	CL352742	T7	42774882	1.00E-28	CL352824	SP6	42960436	2.00E-06	185554
RP44_388H12	3	CL363560	T7	44832147	1.00E-15	CL363631	SP6	45009099	3.00E-08	176952
RP44_458E17	3	CL323327	T7	45376814	5.00E-46	CL323328	SP6	45535514	4.00E-25	158700
RP44_269O12	3	CL345922	T7	45643973	4.00E-06	CL345997	SP6	45835262	9.00E-17	191289
RP44_272B7	3	CL347486	SP6	46219132	2.00E-43	CL347409	T7	46471017	1.00E-10	251885
RP44_334H13	3	CL386668	SP6	46771219	0.004	CL386596	T7	46964178	3.00E-38	192959
RP44_423D18	3	CL378285	SP6	49300295	1.00E-22	CL378218	T7	49402645	e-119	102350
RP44_283A13	3	CL387860	SP6	49690657	7.00E-76	CL387781	T7	49892242	0.002	201585
RP44_469J5	3	CL374028	T7	49996094	7.00E-30	CL374115	SP6	50168370	1.00E-31	172276
RP44_389H19	3	CL363763	T7	50346091	4.00E-62	CL363696	SP6	50525598	4.00E-43	179507
RP44_463J18	3	CL324133	T7	50356572	2.00E-14	CL324134	SP6	50525662	2.00E-54	169090
RP44_418C2	3	CL409946	T7	52276209	3.00E-35	CL410030	SP6	52446777	7.00E-71	170568
RP44_241F19	3	CL325419	T7	52401199	7.00E-05	CL325493	SP6	52597000	2.00E-21	195801
RP44_256B4	3	CL340049	SP6	52576371	4.00E-25	CL339976	T7	52756496	2.00E-06	180125
RP44_423J22	3	CL378241	T7	52820907	e-110	CL378303	SP6	52993688	8.00E-05	172781
RP44_330O8	3	CL385258	SP6	54905622	2.00E-09	CL385180	T7	55070044	7.00E-09	164422
RP44_280C9	3	CL345295	T7	55177067	3.00E-08	CL345391	SP6	55338580	1.00E-13	161513
RP44_358N21	3	CL366223	T7	55506736	3.00E-23	CL366290	SP6	55669338	6.00E-06	162602
RP44_323G18	3	CL382082	SP6	55653065	3.00E-11	CL381997	T7	55793416	e-109	140351
RP44_254F22	3	CL335946	SP6	55743437	8.00E-46	CL335872	T7	55932374	6.00E-09	188937
RP44_386B20	3	CL329242	SP6	55870618	0.001	CL329241	T7	56038703	9.00E-06	168085
RP44_405I21	3	CL354012	SP6	56186657	2.00E-05	CL353938	T7	56346270	2.00E-08	159613
RP44_330A4	3	CL385189	SP6	56262302	6.00E-06	CL385114	T7	56382162	1.00E-13	119860
RP44_435B10	3	CL414060	SP6	56347827	5.00E-06	CL414009	T7	56537949	2.00E-33	190122
RP44_430I3	3	CL411858	SP6	57140467	6.00E-09	CL411788	T7	57269260	3.00E-17	128793
RP44_264H21	3	CL337401	T7	57486301	2.00E-24	CL337476	SP6	57713273	2.00E-05	226972
RP44_309O6	3	CL349567	SP6	57743864	0.005	CL349491	T7	57921872	3.00E-10	178008
RP44_301G23	3	CL371094	SP6	57752949	2.00E-14	CL371025	T7	58000443	7.00E-05	247494
RP44_255P4	3	CL339589	T7	59179846	6.00E-15	CL339666	SP6	59422740	e-132	242894
RP44_409E3	3	CL355095	SP6	59597911	2.00E-63	CL355026	T7	59755565	0.003	157654
RP44_245M13	3	CL327111	T7	59667599	9.00E-08	CL327186	SP6	59897440	3.00E-44	229841
RP44_414P15	3	CL358342	T7	60084665	3.00E-10	CL358418	SP6	60241464	3.00E-04	156799
RP44_250D19	3	CL333809	T7	60177831	3.00E-10	CL333884	SP6	60364447	2.00E-11	186616
RP44_254J16	3	CL335963	SP6	60685579	7.00E-30	CL335889	T7	60840761	2.00E-11	155182

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RP44_286P12	3	CL389607	SP6	61115356	2.00E-18	CL389529	T7	61317646	6.00E-12	202290
RP44_251M10	3	CL334311	T7	61365463	2.00E-06	CL334388	SP6	61540519	e-112	175056
RP44_415K20	3	CL408449	SP6	61627182	4.00E-10	CL358807	T7	61804922	1.00E-50	177740
RP44_449D19	3	CL377311	SP6	62587875	0.005	CL377233	T7	62782213	2.00E-09	194338
RP44_292L18	3	CL369898	T7	63143717	7.00E-09	CL369962	SP6	63331824	4.00E-10	188107
RP44_270N3	3	CL346341	T7	63309948	1.00E-22	CL346416	SP6	63509379	4.00E-31	199431
RP44_338L1	3	CL360060	SP6	64228949	1.00E-80	CL359976	T7	64403342	e-104	174393
RP44_388L15	3	CL363504	SP6	64535625	0.009	CL363438	T7	64748112	3.00E-07	212487
RP44_426H9	3	CL379336	T7	64725318	1.00E-30	CL379417	SP6	64879672	5.00E-05	154354
RP44_266K18	3	CL338609	SP6	64727355	4.00E-25	CL338526	T7	64857123	5.00E-50	129768
RP44_289B24	3	CL368927	SP6	64925484	0.002	CL368846	T7	65083668	6.00E-09	158184
RP44_304F6	3	CL371923	T7	65080264	7.00E-23	CL372007	SP6	65157729	9.00E-39	77465
RP44_267K11	3	CL338767	SP6	65174607	2.00E-91	CL338688	T7	65359278	2.00E-08	184671
RP44_362O2	3	CL366582	SP6	65411629	4.00E-11	CL366504	T7	65545623	1.00E-07	133994
RP44_271E12	3	CL346626	T7	65544767	1.00E-14	CL346703	SP6	65724029	3.00E-06	179262
RP44_457L4	3	CL373620	T7	66177206	5.00E-86	CL323245	SP6	66329232	1.00E-34	152026
RP44_254A5	3	CL335702	T7	67955843	2.00E-05	CL335772	SP6	68123945	3.00E-26	168102
RP44_426M5	3	CL379093	T7	69272022	4.00E-04	CL379181	SP6	69442312	2.00E-55	170290
RP44_284A9	3	CL387936	T7	69592628	2.00E-29	CL388004	SP6	69752824	5.00E-46	160196
RP44_262F20	3	CL336447	SP6	69908004	3.00E-48	CL342756	T7	70086441	2.00E-09	178437
RP44_261K15	3	CL341673	T7	70121447	2.00E-15	CL341750	SP6	70361563	e-125	240116
RP44_396E16	3	CL364258	T7	71025861	0	CL364336	SP6	71228150	4.00E-62	202289
RP44_309K18	3	CL349552	SP6	71220857	5.00E-16	CL349475	T7	71402252	6.00E-09	181395
RP44_334F17	3	CL386659	SP6	71245700	1.00E-19	CL386588	T7	71405913	1.00E-71	160213
RP44_288N15	3	CL368190	SP6	73128197	3.00E-51	CL368113	T7	73299327	6.00E-18	171130
RP44_326P4	3	CL383613	SP6	73508077	e-102	CL383540	T7	73641388	2.00E-33	133311
RP44_449D8	3	CL377393	T7	73872657	8.00E-33	CL377462	SP6	74019603	0.006	146946
RP44_314F19	3	CL380900	T7	74020338	9.00E-39	CL380982	SP6	74096772	1.00E-59	76434
RP44_420L23	3	CL411286	SP6	75925759	0.006	CL411203	T7	76121890	2.00E-49	196131
RP44_283E17	3	CL387882	SP6	76231938	2.00E-20	CL387802	T7	76412531	8.00E-21	180593
RP44_266O24	3	CL338634	SP6	76515545	1.00E-10	CL338547	T7	76701786	4.00E-28	186241
RP44_263B16	3	CL336977	SP6	76813899	e-132	CL336897	T7	76981348	0	167449
RP44_471E9	3	CL375084	SP6	76859363	1.00E-04	CL374999	T7	77005839	6.00E-49	146476
RP44_409M17	3	CL355131	SP6	77000031	5.00E-07	CL355064	T7	77179709	3.00E-23	179678
RP44_341N8	3	CL360832	SP6	77045856	5.00E-12	CL360779	T7	77216822	1.00E-06	170966
RP44_265E1	3	CL337764	SP6	77556708	2.00E-12	CL337687	T7	77767000	8.00E-33	210292
RP44_301I1	3	CL371095	SP6	78030189	e-132	CL371026	T7	78169652	6.00E-58	139463

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RP44_383K2	3	CL363154	T7	78425198	1.00E-06	CL363229	SP6	78587871	6.00E-61	162673
RP44_417E9	3	CL409326	SP6	78586441	4.00E-04	CL409241	T7	78756938	e-124	170497
RP44_333H20	3	CL386322	T7	78712675	5.00E-34	CL386401	SP6	78898747	2.00E-64	186072
RP44_416P11	3	CL409015	SP6	78757731	5.00E-09	CL409092	T7	78951322	1.00E-06	193591
RP44_255L14	3	CL339573	T7	79115317	0.002	CL339650	SP6	79152597	e-103	37280
RP44_264E16	3	CL337244	T7	79610211	3.00E-73	CL337316	SP6	79804721	1.00E-19	194510
RP44_339E17	3	CL360245	T7	80085774	2.00E-36	CL360300	SP6	80304537	2.00E-08	218763
RP44_430J19	3	CL412203	T7	81096157	2.00E-45	CL412126	SP6	81238989	3.00E-04	142832
RP44_367A10	3	CL367293	T7	81155147	e-104	CL367376	SP6	81305332	2.00E-30	150185
RP44_399H19	3	CL322051	SP6	81466138	2.00E-21	CL322050	T7	81600633	4.00E-13	134495
RP44_334L22	3	CL386805	SP6	83002688	7.00E-09	CL386748	T7	83198539	1.00E-28	195851
RP44_413H13	3	CL357687	T7	83187940	1.00E-16	CL357767	SP6	83480284	3.00E-54	292344
RP44_431N15	3	CL412796	T7	84457985	9.00E-45	CL412876	SP6	84656340	0.001	198355
RP44_266M12	3	CL338533	T7	86305601	1.00E-65	CL338616	SP6	86513364	4.00E-32	207763
RP44_308K6	3	CL373310	SP6	88841701	0	CL373232	T7	89016603	1.00E-37	174902
RP44_308H21	3	CL373377	T7	89137054	4.00E-07	CL373451	SP6	89325134	3.00E-60	188080
RP44_269L5	3	CL346098	SP6	89355041	5.00E-34	CL346040	T7	89555112	5.00E-43	200071
RP44_285G9	3	CL388579	T7	89730348	9.00E-18	CL388656	SP6	90002768	2.00E-05	272420
RP44_305B10	3	CL372457	SP6	95269232	4.00E-07	CL372373	T7	95436903	1.00E-38	167671
RP44_279J5	3	CL345012	T7	98200311	1.00E-22	CL345081	SP6	98362007	4.00E-16	161696
RP44_279F15	3	CL345066	SP6	98254988	1.00E-10	CL344999	T7	98413170	7.00E-06	158182
RP44_470P16	3	CL374969	SP6	98282038	3.00E-04	CL374896	T7	98457136	3.00E-07	175098
RP44_423L22	3	CL378252	T7	98749440	8.00E-27	CL378312	SP6	98902184	6.00E-40	152744
RP44_329O5	3	CL384457	T7	100270190	1.00E-96	CL384536	SP6	100431238	3.00E-05	161048
RP44_418L6	3	CL410290	SP6	100819780	0.004	CL410216	T7	101034465	1.00E-41	214685
RP44_279L15	3	CL345097	SP6	100829699	4.00E-04	CL345027	T7	100983043	2.00E-92	153344
RP44_270K23	3	CL346184	T7	100869315	3.00E-32	CL346257	SP6	101033366	2.00E-12	164051
RP44_284K14	3	CL388204	SP6	101009187	1.00E-80	CL388204	T7	101181362	0.004	172175
RP44_284P8	3	CL388538	SP6	102077534	4.00E-16	CL388467	T7	102273140	8.00E-64	195606
RP44_417L10	3	CL409705	T7	102367887	2.00E-18	CL409770	SP6	102597440	3.00E-04	229553
RP44_271E14	3	CL346627	T7	104316006	1.00E-35	CL346704	SP6	104463165	4.00E-10	147159
RP44_244I11	3	CL326657	T7	105632476	3.00E-38	CL326730	SP6	105817110	0.001	184634
RP44_329D2	3	CL384926	SP6	106053027	4.00E-04	CL384860	T7	106262648	7.00E-08	209621
RP44_389H9	3	CL363692	SP6	106363899	4.00E-10	CL363758	T7	106530589	0.005	166690
RP44_274P14	3	CL348576	SP6	106652920	1.00E-13	CL348502	T7	106798214	1.00E-07	145294
RP44_416B9	3	CL409023	T7	107085147	3.00E-06	CL408940	SP6	107329525	2.00E-17	244378
RP44_276H15	3	CL343357	SP6	107325837	8.00E-15	CL343275	T7	107509338	5.00E-04	183501

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RP44_286A8	3	CL389154	T7	107483303	1.00E-07	CL389230	SP6	107734973	2.00E-36	251670
RP44_396E15	3	CL364088	T7	108469051	1.00E-06	CL364175	SP6	108660820	1.00E-19	191769
RP44_275L16	3	CL342875	SP6	110052714	4.00E-10	CL342793	T7	110199860	9.00E-04	147146
RP44_449N13	3	CL377364	SP6	110210958	2.00E-08	CL377280	T7	110387944	6.00E-06	176986
RP44_265J15	3	CL338114	SP6	111302148	2.00E-09	CL338034	T7	111491206	1.00E-19	189058
RP44_338P17	3	CL360004	T7	111566531	3.00E-08	CL360091	SP6	111720924	0.001	154393
RP44_417K7	3	CL409351	SP6	113264349	1.00E-12	CL409273	T7	113492742	6.00E-18	228393
RP44_323E12	3	CL382067	SP6	113762823	2.00E-12	CL381983	T7	113925215	2.00E-27	162392
RP44_275B19	3	CL349005	SP6	114097865	2.00E-08	CL348923	T7	114216993	1.00E-43	119128
RP44_270A13	3	CL346138	T7	114608167	3.00E-43	CL346210	SP6	114844730	1.00E-16	236563
RP44_314I16	3	CL380838	SP6	114984334	2.00E-08	CL380753	T7	115136571	2.00E-12	152237
RP44_272A4	3	CL347323	SP6	115236370	2.00E-39	CL347238	T7	115486611	1.00E-10	250241
RP44_267G23	3	CL338753	SP6	115471012	3.00E-17	CL338673	T7	115648988	0.006	177976
RP44_426I15	3	CL379077	T7	115649555	2.00E-08	CL379164	SP6	115834427	2.00E-09	184872
RP44_353D8	3	CL365394	T7	115697903	8.00E-67	CL365467	SP6	115857587	2.00E-30	159684
RP44_253G23	3	CL335185	T7	115745895	5.00E-49	CL335252	SP6	115894106	1.00E-15	148211
RP44_422H14	3	CL378048	SP6	115888789	5.00E-25	CL377984	T7	116074269	0.007	185480
RP44_407M6	3	CL354497	T7	116537250	5.00E-62	CL354561	SP6	116724834	4.00E-16	187584
RP44_250L18	3	CL334071	SP6	116581790	2.00E-30	CL333995	T7	116659975	2.00E-18	78185
RP44_271H10	3	CL347033	SP6	116995284	8.00E-16	CL346953	T7	117179267	8.00E-08	183983
RP44_337G12	3	CL359733	SP6	117251905	4.00E-96	CL359671	T7	117385993	0.005	134088
RP44_270F22	3	CL346549	SP6	117304971	0.006	CL346467	T7	117513323	2.00E-17	208352
RP44_279C15	3	CL344673	T7	117597183	7.00E-21	CL344748	SP6	117793098	2.00E-15	195915
RP44_279G4	3	CL344844	T7	117597183	8.00E-21	CL344923	SP6	117793098	2.00E-15	195915
RP44_334C10	3	CL386449	T7	117979269	7.00E-13	CL386514	SP6	118122163	1.00E-08	142894
RP44_287O14	3	CL389835	T7	118268187	9.00E-11	CL389920	SP6	118481206	3.00E-88	213019
RP44_263I7	3	CL336531	SP6	118298922	5.00E-06	CL336314	T7	118500413	e-130	201491
RP44_244M9	3	CL326749	SP6	118756621	4.00E-75	CL326676	T7	118911381	e-120	154760
RP44_262I3	3	CL342351	SP6	121003705	3.00E-14	CL342275	T7	121199931	2.00E-24	196226
RP44_268O9	3	CL338982	T7	121502447	1.00E-06	CL339044	SP6	121715879	4.00E-10	213432
RP44_328N20	3	CL384286	T7	121914742	7.00E-06	CL384206	SP6	122236104	4.00E-04	321362
RP44_257F16	3	CL340579	T7	122762097	7.00E-09	CL340653	SP6	122792398	3.00E-17	30301
RP44_264N3	3	CL337424	T7	123969841	2.00E-67	CL337498	SP6	124122157	1.00E-10	152316
RP44_339B13	3	CL360460	T7	125342749	2.00E-04	CL360532	SP6	125508440	5.00E-18	165691
RP44_339G14	3	CL360369	T7	125342749	0.002	CL360424	SP6	125508440	7.00E-18	165691
RP44_413L22	3	CL357873	T7	125478842	4.00E-16	CL357959	SP6	125655554	1.00E-07	176712
RP44_382P3	3	CL329051	T7	133447774	2.00E-77	CL329052	SP6	133603828	2.00E-46	156054

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_263B1	3	CL336738	T7	133952501	2.00E-08	CL336813	SP6	134135528	9.00E-14	183027
RP44_278B11	3	CL344422	SP6	134104919	8.00E-10	CL344337	T7	134284012	9.00E-35	179093
RP44_277N19	3	CL343937	T7	134453644	2.00E-20	CL344006	SP6	134620658	7.00E-24	167014
RP44_258L22	3	CL340915	T7	134914585	6.00E-06	CL340990	SP6	135145397	0.002	230812
RP44_268B21	3	CL339194	T7	135057853	2.00E-08	CL339273	SP6	135243881	3.00E-29	186028
RP44_474K10	3	CL324299	T7	135670644	3.00E-14	CL324300	SP6	135871642	1.00E-06	200998
RP44_449O8	3	CL377124	T7	137134466	4.00E-07	CL377212	SP6	137348003	6.00E-09	213537
RP44_432L16	3	CL413333	SP6	139219496	5.00E-06	CL413256	T7	139366093	6.00E-06	146597
RP44_278P24	3	CL344657	SP6	139733806	2.00E-37	CL344581	T7	139929560	3.00E-14	195754
RP44_401K20	3	CL352551	SP6	139741517	0.004	CL352490	T7	139938453	4.00E-06	196936
RP44_433C8	3	CL413376	T7	139774824	6.00E-12	CL413464	SP6	139949128	2.00E-08	174304
RP44_248K14	3	CL328268	T7	140456570	1.00E-13	CL328348	SP6	140644501	1.00E-19	187931
RP44_344H14	3	CL361136	T7	141149065	2.00E-21	CL361207	SP6	141312589	8.00E-42	163524
RP44_403C19	3	CL353417	T7	141688263	e-158	CL353465	SP6	141919226	4.00E-04	230963
RP44_315P7	3	CL381275	T7	142278792	3.00E-47	CL381361	SP6	142448320	3.00E-48	169528
RP44_257G22	3	CL340311	T7	143427028	9.00E-51	CL340383	SP6	143661708	6.00E-70	234680
RP44_429E17	3	CL380351	T7	143532917	4.00E-07	CL380438	SP6	143690032	2.00E-08	157115
RP44_263D5	3	CL336824	SP6	143689965	9.00E-11	CL336745	T7	143880681	3.00E-23	190716
RP44_425I24	3	CL378929	T7	143697526	2.00E-12	CL378998	SP6	143911068	2.00E-05	213542
RP44_338A21	3	CL359855	SP6	143951690	7.00E-09	CL359774	T7	144124225	5.00E-06	172535
RP44_288L11	3	CL368106	T7	144352084	7.00E-64	CL368178	SP6	144535731	1.00E-04	183647
RP44_253J4	3	CL335664	SP6	144980074	6.00E-21	CL335596	T7	145152790	1.00E-13	172716
RP44_284G17	3	CL388035	SP6	145050816	6.00E-15	CL387966	T7	145241379	3.00E-04	190563
RP44_396A8	3	CL364236	T7	145268118	0.001	CL364313	SP6	145517667	e-135	249549
RP44_285G1	3	CL388576	T7	145276809	6.00E-09	CL388653	SP6	145517707	e-135	240898
RP44_272C20	3	CL347255	T7	145293725	3.00E-11	CL347341	SP6	145530488	4.00E-07	236763
RP44_469A8	3	CL373824	T7	146760393	7.00E-06	CL373907	SP6	146960261	2.00E-30	199868
RP44_252A5	3	CL334773	SP6	146980329	6.00E-64	CL334692	T7	147154205	4.00E-19	173876
RP44_382B8	3	CL329075	T7	147947645	0.001	CL329076	SP6	148141440	1.00E-13	193795
RP44_302P16	3	CL371575	SP6	148458231	8.00E-17	CL371499	T7	148642273	0.001	184042
RP44_276N7	3	CL343303	T7	148679849	1.00E-13	CL343384	SP6	148901059	2.00E-09	221210
RP44_380J22	3	CL362833	T7	149139057	7.00E-06	CL362908	SP6	149310623	7.00E-05	171566
RP44_267G10	3	CL338827	T7	149509275	2.00E-09	CL338892	SP6	149708874	2.00E-04	199599
RP44_436F16	3	CL375671	T7	149509275	4.00E-66	CL375753	SP6	149729702	1.00E-06	220427
RP44_474F12	3	CL324400	SP6	149644455	1.00E-15	CL324399	T7	149830464	3.00E-53	186009
RP44_265F16	3	CL338259	SP6	149958038	4.00E-07	CL338178	T7	150139842	e-170	181804
RP44_260J18	3	CL341583	SP6	149998590	7.00E-18	CL341502	T7	150163736	5.00E-34	165146

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_271B6	3	CL346919	T7	151272104	3.00E-20	CL346999	SP6	151456120	1.00E-07	184016
RP44_333O22	3	CL386282	SP6	152190113	3.00E-60	CL386208	T7	152294458	0	104345
RP44_284A2	3	CL388071	T7	153859486	1.00E-06	CL388148	SP6	154015401	4.00E-11	155915
RP44_416G8	3	CL322654	SP6	153881492	1.00E-10	CL322653	T7	154048411	0.004	166919
RP44_308N11	3	CL373397	T7	155177099	3.00E-20	CL373474	SP6	155387788	3.00E-07	210689
RP44_309L4	3	CL349773	T7	155248633	0.005	CL349850	SP6	155465277	1.00E-06	216644
RP44_290A12	3	CL369257	SP6	155252222	8.00E-24	CL369166	T7	155496673	2.00E-18	244451
RP44_413N15	3	CL357717	T7	155538822	6.00E-12	CL357798	SP6	155732064	7.00E-15	193242
RP44_424F6	3	CL378673	SP6	155973250	6.00E-09	CL378609	T7	156140360	1.00E-19	167110
RP44_279P14	3	CL345276	SP6	156447648	4.00E-07	CL345195	T7	156647554	4.00E-10	199906
RP44_278L20	3	CL344636	SP6	156738458	3.00E-04	CL344556	T7	156943579	1.00E-07	205121
RP44_278P22	3	CL344656	SP6	156738458	2.00E-18	CL344580	T7	156943131	1.00E-07	204673
RP44_275D12	3	CL342830	SP6	157667182	2.00E-06	CL349091	T7	157808075	1.00E-10	140893
RP44_286M12	3	CL389291	SP6	157704111	0	CL389213	T7	157892411	6.00E-15	188300
RP44_308F12	3	CL349212	SP6	157789472	3.00E-13	CL349134	T7	157958616	1.00E-16	169144
RP44_324A1	3	CL382366	T7	157932515	4.00E-04	CL382446	SP6	158086650	6.00E-15	154135
RP44_297P20	3	CL439863	T7	158026025	5.00E-25	CL439939	SP6	158176221	4.00E-10	150196
RP44_274F8	3	CL348452	T7	158058454	e-121	CL348525	SP6	158256418	3.00E-11	197964
RP44_469F6	3	CL374175	T7	158288194	3.00E-91	CL374253	SP6	158439944	9.00E-08	151750
RP44_330K19	3	CL385096	SP6	158765886	1.00E-37	CL385027	T7	158942280	4.00E-13	176394
RP44_273I6	3	CL347932	SP6	158765910	4.00E-25	CL347858	T7	158936370	7.00E-17	170460
RP44_418D18	3	CL410179	T7	159004816	e-128	CL410263	SP6	159163713	1.00E-28	158897
RP44_412L9	3	CL357155	SP6	159267496	2.00E-04	CL357071	T7	159461469	1.00E-08	193973
RP44_304O10	3	CL371648	T7	159461686	1.00E-28	CL371725	SP6	159668389	1.00E-10	206703
RP44_401H2	3	CL352843	SP6	159670953	3.00E-10	CL352762	T7	159835207	1.00E-06	164254
RP44_255L13	3	CL336279	SP6	159947427	2.00E-24	CL336202	T7	160122487	e-120	175060
RP44_268F3	3	CL339287	SP6	160561385	2.00E-33	CL339204	T7	160761855	3.00E-26	200470
RP44_289G2	3	CL368542	T7	160995194	2.00E-14	CL368622	SP6	161198185	2.00E-04	202991
RP44_302P9	3	CL371440	SP6	161406412	7.00E-12	CL371360	T7	161599963	1.00E-44	193551
RP44_430D17	3	CL412178	T7	161432767	3.00E-19	CL412095	SP6	161575565	2.00E-11	142798
RP44_270H16	3	CL346556	SP6	161569168	7.00E-08	CL346474	T7	161753270	1.00E-04	184102
RP44_248F15	3	CL328468	SP6	161753838	0.006	CL328392	T7	161907041	6.00E-06	153203
RP44_409O6	3	CL355288	SP6	162294031	7.00E-12	CL355207	T7	162451858	6.00E-06	157827
RP44_471E13	3	CL375001	T7	163442828	3.00E-10	CL375086	SP6	163678667	1.00E-92	235839
RP44_428M6	3	CL379964	SP6	165642193	5.00E-19	CL379877	T7	165824252	3.00E-45	182059
RP44_362M22	3	CL366502	T7	166089232	5.00E-07	CL366580	SP6	166314042	2.00E-06	224810
RP44_299F6	3	CL440151	SP6	167697119	6.00E-09	CL440080	T7	167913301	2.00E-08	216182

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RP44_289F18	3	CL368861	T7	168273103	2.00E-58	CL368945	SP6	168488262	4.00E-04	215159
RP44_305D1	3	CL372299	SP6	168315409	2.00E-24	CL372214	T7	168347555	3.00E-08	32146
RP44_305D2	3	CL372463	SP6	168315409	2.00E-21	CL372379	T7	168347555	2.00E-08	32146
RP44_364O23	3	CL367095	T7	168460625	1.00E-27	CL367167	SP6	168646421	1.00E-06	185796
RP44_286O21	3	CL389150	SP6	168591362	8.00E-21	CL389066	T7	168818075	2.00E-36	226713
RP44_430E13	3	CL411853	SP6	168802388	3.00E-04	CL411771	T7	169009223	6.00E-08	206835
RP44_362H22	3	CL366848	SP6	169284911	7.00E-06	CL366774	T7	169463554	3.00E-42	178643
RP44_255A21	3	CL336072	SP6	169419380	8.00E-08	CL335996	T7	169601682	0.001	182302
RP44_458K9	3	CL323379	SP6	169429935	4.00E-07	CL323378	T7	169601682	0.002	171747
RP44_400L13	3	CL365124	T7	170170924	2.00E-98	CL365209	SP6	170299447	7.00E-83	128523
RP44_260G7	3	CL341256	T7	170177162	4.00E-34	CL341177	SP6	170349612	3.00E-04	172450
RP44_330P7	3	CL385395	SP6	170197844	5.00E-06	CL385324	T7	170310623	0.001	112779
RP44_282M19	3	CL387763	SP6	170227364	2.00E-39	CL387686	T7	170388334	e-160	160970
RP44_404E16	3	CL322262	SP6	170251230	7.00E-45	CL322261	T7	170435223	4.00E-30	183993
RP44_291C14	3	CL369455	T7	170300050	9.00E-23	CL369521	SP6	170467869	e-113	167819
RP44_268M4	3	CL339171	SP6	170752944	e-123	CL339100	T7	170919124	1.00E-12	166180
RP44_332O3	3	CL385629	T7	171048771	9.00E-26	CL385693	SP6	171205145	5.00E-05	156374
RP44_278A12	3	CL344259	SP6	171211534	9.00E-10	CL344172	T7	171428839	3.00E-20	217305
RP44_332D16	3	CL386086	SP6	173216892	1.00E-43	CL386009	T7	173387769	3.00E-04	170877
RP44_252P15	3	CL335143	SP6	174428636	1.00E-15	CL335057	T7	174591758	5.00E-10	163122
RP44_457N2	3	CL323253	SP6	174870478	1.00E-87	CL373628	T7	174999771	4.00E-16	129293
RP44_308F1	3	CL373432	SP6	175232323	1.00E-28	CL373357	T7	175405332	1.00E-96	173009
RP44_412O5	3	CL356863	SP6	175273735	3.00E-39	CL356785	T7	175442676	1.00E-07	168941
RP44_394L21	3	CL329613	SP6	176358254	3.00E-07	CL329612	T7	176511620	1.00E-06	153366
RP44_470K14	3	CL374627	SP6	177172225	3.00E-29	CL374541	T7	177328528	e-102	156303
RP44_354I13	3	CL365573	T7	178052039	7.00E-70	CL365632	SP6	178218247	2.00E-08	166208
RP44_251L6	3	CL334595	T7	178057799	1.00E-06	CL334664	SP6	178237763	1.00E-12	179964
RP44_470J13	3	CL374702	T7	178096332	2.00E-14	CL374786	SP6	178235534	0.005	139202
RP44_457P6	3	CL373636	T7	179789290	3.00E-12	CL323260	SP6	179969039	9.00E-20	179749
RP44_329L15	3	CL384751	T7	180329973	7.00E-83	CL384827	SP6	180495171	7.00E-85	165198
RP44_248J21	3	CL328416	T7	180330040	7.00E-66	CL328493	SP6	180493139	0.005	163099
RP44_285O17	3	CL388700	SP6	181019083	6.00E-12	CL388625	T7	181230246	6.00E-28	211163
RP44_334L6	3	CL386743	T7	181598101	6.00E-06	CL386800	SP6	181727610	7.00E-67	129509
RP44_262O8	3	CL342550	SP6	182322029	3.00E-07	CL342467	T7	182518412	0.005	196383
RP44_289L6	3	CL368889	T7	182520991	3.00E-08	CL368971	SP6	182661282	2.00E-12	140291
RP44_330O11	3	CL385109	SP6	182680736	0	CL385044	T7	182787562	8.00E-05	106826
RP44_279I7	3	CL344697	T7	182703926	5.00E-90	CL344773	SP6	182855299	1.00E-90	151373

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RP44_278G3	3	CL344041	T7	182971132	3.00E-29	CL344117	SP6	183146477	8.00E-05	175345
RP44_272I15	3	CL347126	T7	182975849	2.00E-20	CL347202	SP6	183155841	4.00E-99	179992
RP44_246L2	3	CL328031	SP6	183073427	7.00E-05	CL327951	T7	183254103	e-156	180676
RP44_284K2	3	CL388119	T7	183074042	6.00E-06	CL388199	SP6	183254111	e-152	180069
RP44_332O4	3	CL385764	T7	183074042	6.00E-06	CL385836	SP6	183201811	0.006	127769
RP44_433J18	3	CL413652	SP6	183386398	4.00E-19	CL413573	T7	183557868	2.00E-08	171470
RP44_281G24	3	CL387416	SP6	183958181	9.00E-08	CL387337	T7	184099184	4.00E-22	141003
RP44_281O14	3	CL387452	SP6	183958181	1.00E-07	CL387374	T7	184099235	5.00E-22	141054
RP44_304D6	3	CL371996	SP6	185896561	4.00E-62	CL371912	T7	186091180	6.00E-06	194619
RP44_334E12	3	CL386460	T7	187327139	2.00E-12	CL386526	SP6	187492772	1.00E-06	165633
RP44_269F19	3	CL346087	SP6	187533458	5.00E-11	CL346020	T7	187745617	4.00E-06	212159
RP44_266A7	3	CL338317	T7	189398351	7.00E-18	CL338391	SP6	189573716	8.00E-23	175365
RP44_400P3	3	CL365140	T7	189509970	7.00E-61	CL365226	SP6	189704729	1.00E-13	194759
RP44_478P20	3	CL325015	T7	189617468	7.00E-27	CL325016	SP6	189782624	7.00E-08	165156
RP44_288I5	3	CL390197	SP6	189617545	2.00E-21	CL390114	T7	189782617	3.00E-07	165072
RP44_294D11	3	CL370168	SP6	189690168	e-161	CL370099	T7	189867792	5.00E-46	177624
RP44_474D12	3	CL324384	SP6	189690168	e-108	CL324383	T7	189867792	6.00E-30	177624
RP44_367J9	3	CL367495	T7	189934559	3.00E-08	CL367578	SP6	190115608	8.00E-11	181049
RP44_455B24	3	CL323007	SP6	190176652	2.00E-58	CL323006	T7	190220896	4.00E-44	44244
RP44_267A24	3	CL338867	SP6	191589081	6.00E-06	CL338802	T7	191779079	0.007	189998
RP44_249K15	3	CL333158	T7	191694024	1.00E-27	CL333230	SP6	191849190	5.00E-06	155166
RP44_362N19	3	CL366653	T7	191779873	6.00E-15	CL366728	SP6	191985990	3.00E-14	206117
RP44_341N2	3	CL360777	T7	191796674	1.00E-06	CL360830	SP6	191969495	1.00E-09	172821
RP44_469I9	3	CL373692	T7	192382673	2.00E-36	CL373780	SP6	192589868	3.00E-05	207195
RP44_367B1	3	CL367449	T7	192449885	2.00E-37	CL367532	SP6	192639254	0.002	189369
RP44_286E19	3	CL389019	T7	193858292	5.00E-10	CL389093	SP6	194036546	4.00E-10	178254
RP44_310C4	3	CL350127	SP6	194396055	3.00E-08	CL350045	T7	194569428	3.00E-05	173373
RP44_329P23	3	CL384777	T7	194396055	1.00E-12	CL384851	SP6	194554177	4.00E-07	158122
RP44_311H10	3	CL351012	T7	194651443	1.00E-09	CL351095	SP6	194796277	4.00E-07	144834
RP44_414F16	3	CL358450	T7	196215744	5.00E-06	CL358534	SP6	196407224	3.00E-60	191480
RP44_275G2	3	CL348767	T7	196233338	3.00E-16	CL348858	SP6	196408349	1.00E-06	175011
RP44_258L18	3	CL340913	T7	198274591	7.00E-70	CL340988	SP6	198460504	4.00E-93	185913
RP44_372K19	3	CL367658	SP6	198295376	4.00E-04	CL367658	T7	198464213	2.00E-85	168837
RP44_261K3	4	CL341669	T7	4284764	2.00E-10	CL341746	SP6	4521746	8.00E-73	236982
RP44_263O10	4	CL336731	SP6	4787410	6.00E-12	CL336646	T7	5027948	0.001	240538
RP44_411P17	4	CL356520	T7	4787410	3.00E-07	CL356585	SP6	5027933	3.00E-08	240523
RP44_265E16	4	CL337933	SP6	10464466	0.006	CL337851	T7	10674003	2.00E-83	209537

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_275C17	4	CL348674	SP6	13059407	e-126	CL348598	T7	13269962	2.00E-09	210555
RP44_262P19	4	CL342725	SP6	13632432	9.00E-33	CL342640	T7	13823759	2.00E-06	191327
RP44_284O12	4	CL388220	SP6	17349993	1.00E-06	CL388143	T7	17513031	4.00E-35	163038
RP44_281A4	4	CL387297	T7	17563115	4.00E-78	CL387378	SP6	17747202	4.00E-04	184087
RP44_389L23	4	CL363781	T7	18803276	2.00E-55	CL363715	SP6	18999735	2.00E-70	196459
RP44_388D9	4	CL363408	T7	19287777	2.00E-11	CL363470	SP6	19521877	2.00E-34	234100
RP44_392K16	4	CL363897	SP6	19792638	5.00E-05	CL363829	T7	20023936	2.00E-09	231298
RP44_380A19	4	CL362508	T7	20211113	0.007	CL362586	SP6	20371391	3.00E-79	160278
RP44_262B24	4	CL342735	T7	20988641	6.00E-06	CL336428	SP6	21161345	0.002	172704
RP44_403O10	4	CL353573	T7	21512149	2.00E-15	CL353639	SP6	21674512	4.00E-09	162363
RP44_419I19	4	CL410433	SP6	22053206	2.00E-48	CL410366	T7	22358371	2.00E-05	305165
RP44_358A14	4	CL366027	T7	23518635	e-101	CL366089	SP6	23663544	e-111	144909
RP44_323O2	4	CL382114	SP6	23572014	1.00E-12	CL382030	T7	23706792	8.00E-11	134778
RP44_419L12	4	CL410818	SP6	23811178	6.00E-05	CL410755	T7	23971140	7.00E-24	159962
RP44_476K10	4	CL324682	SP6	23882624	e-133	CL324681	T7	24066485	1.00E-12	183861
RP44_402D13	4	CL353261	T7	24511440	3.00E-24	CL353204	SP6	24706943	4.00E-22	195503
RP44_280B21	4	CL345704	SP6	24547871	4.00E-86	CL345617	T7	24745855	2.00E-15	197984
RP44_414D10	4	CL358520	SP6	24684956	3.00E-09	CL358436	T7	24869626	2.00E-82	184670
RP44_293I12	4	CL370014	T7	26883617	1.00E-06	CL370063	SP6	27109880	0.001	226263
RP44_474I12	4	CL324279	T7	26896360	5.00E-12	CL324280	SP6	27109607	3.00E-20	213247
RP44_292C17	4	CL369587	T7	27032714	2.00E-05	CL369654	SP6	27224114	7.00E-06	191400
RP44_290M5	4	CL369061	T7	27281134	2.00E-18	CL369141	SP6	27496301	0.002	215167
RP44_463J16	4	CL324132	SP6	27292962	3.00E-40	CL324131	T7	27478967	5.00E-06	186005
RP44_338J19	4	CL360057	SP6	28392280	6.00E-12	CL359974	T7	28612846	1.00E-22	220566
RP44_373H22	4	CL328837	T7	28491556	3.00E-11	CL328838	SP6	28661254	1.00E-13	169698
RP44_458G8	4	CL323482	SP6	30440432	4.00E-10	CL323481	T7	30617095	4.00E-58	176663
RP44_289O19	4	CL368511	SP6	30488153	9.00E-11	CL368426	T7	30659197	8.00E-51	171044
RP44_471J3	4	CL375438	SP6	30593567	6.00E-09	CL375356	T7	30773759	4.00E-34	180192
RP44_412I3	4	CL356832	SP6	30661267	7.00E-55	CL356758	T7	30804379	e-128	143112
RP44_281L13	4	CL387513	T7	32392727	e-121	CL387597	SP6	32601428	0.001	208701
RP44_431D5	4	CL412823	SP6	34553919	3.00E-32	CL412743	T7	34740721	3.00E-04	186802
RP44_275D18	4	CL349093	T7	35357932	5.00E-37	CL342833	SP6	35628374	8.00E-27	270442
RP44_309E20	4	CL349524	SP6	35424696	8.00E-36	CL349446	T7	35675450	9.00E-08	250754
RP44_309M2	4	CL349555	SP6	35424696	3.00E-48	CL349478	T7	35675620	1.00E-07	250924
RP44_285F22	4	CL388879	T7	35608080	1.00E-49	CL388950	SP6	35848571	2.00E-06	240491
RP44_287O17	4	CL389685	T7	35924568	6.00E-06	CL389755	SP6	36107885	2.00E-89	183317
RP44_356H16	4	CL365994	SP6	35961064	9.00E-42	CL365937	T7	36106901	1.00E-15	145837

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RP44_424H21	4	CL378562	SP6	36483720	3.00E-14	CL378501	T7	36667560	7.00E-06	183840
RP44_415K8	4	CL358802	T7	36675396	2.00E-15	CL408444	SP6	36903120	0.001	227724
RP44_393G2	4	CL364013	SP6	37069931	5.00E-15	CL363945	T7	37263949	1.00E-06	194018
RP44_253I14	4	CL335384	SP6	38781837	2.00E-10	CL335324	T7	38950890	2.00E-05	169053
RP44_250M21	4	CL333643	SP6	40644139	7.00E-12	CL333574	T7	40814932	2.00E-21	170793
RP44_248N13	4	CL328432	T7	42335272	3.00E-44	CL328509	SP6	42489261	9.00E-05	153989
RP44_380L14	4	CL362915	SP6	43801590	2.00E-12	CL362840	T7	43971010	7.00E-06	169420
RP44_470E21	4	CL374424	SP6	44431779	1.00E-10	CL374340	T7	44611051	6.00E-30	179272
RP44_415B6	4	CL408712	SP6	46159232	0.006	CL408632	T7	46363982	2.00E-21	204750
RP44_264J22	4	CL337637	SP6	46290717	2.00E-37	CL337562	T7	46472222	2.00E-06	181505
RP44_449L8	4	CL377425	T7	46637962	6.00E-12	CL377500	SP6	46842491	3.00E-20	204529
RP44_335N11	4	CL359079	SP6	47126790	0.006	CL358993	T7	47308619	2.00E-27	181829
RP44_375J20	4	CL362311	SP6	47195548	2.00E-14	CL362240	T7	47367846	6.00E-74	172298
RP44_300E13	4	CL440224	T7	47555907	3.00E-41	CL370772	SP6	47715795	7.00E-06	159888
RP44_289D19	4	CL368693	T7	52632721	2.00E-70	CL368772	SP6	52823486	7.00E-06	190765
RP44_330G13	4	CL385074	SP6	52767488	0.001	CL385005	T7	52962293	4.00E-06	194805
RP44_277I16	4	CL343767	T7	55258194	7.00E-06	CL343844	SP6	55606337	0.001	348143
RP44_311P19	4	CL350981	SP6	55751567	0.006	CL350898	T7	55934197	1.00E-15	182630
RP44_417O12	4	CL409446	T7	58556066	7.00E-76	CL409527	SP6	58745542	0.004	189476
RP44_471N16	4	CL375537	T7	61450924	2.00E-20	CL375612	SP6	61606631	2.00E-24	155707
RP44_290A16	4	CL369259	SP6	62050364	1.00E-12	CL369168	T7	62211623	2.00E-18	161259
RP44_457N20	4	CL323258	SP6	62067575	3.00E-51	CL373632	T7	62251668	2.00E-18	184093
RP44_432K11	4	CL413190	SP6	62140803	6.00E-09	CL413105	T7	62336007	e-124	195204
RP44_400D21	4	CL365085	T7	62211428	2.00E-30	CL365170	SP6	62407530	3.00E-05	196102
RP44_287M10	4	CL389823	T7	62670321	2.00E-17	CL389908	SP6	62838741	4.00E-10	168420
RP44_263M9	4	CL336555	SP6	62795929	2.00E-11	CL336338	T7	63029120	2.00E-18	233191
RP44_325N5	4	CL383054	T7	62838995	7.00E-18	CL383141	SP6	63036818	3.00E-17	197823
RP44_300E5	4	CL370768	SP6	63395557	2.00E-11	CL440221	T7	63580828	7.00E-15	185271
RP44_275J23	4	CL349047	SP6	63772694	1.00E-04	CL348965	T7	64093582	1.00E-25	320888
RP44_343L1	4	CL361078	SP6	64254361	4.00E-10	CL361014	T7	64495593	0.001	241232
RP44_280E7	4	CL345400	SP6	66247861	4.00E-07	CL345303	T7	66451371	4.00E-75	203510
RP44_290C7	4	CL369012	T7	66254466	4.00E-10	CL369095	SP6	66459909	2.00E-14	205443
RP44_262N9	4	CL342708	SP6	67534312	1.00E-04	CL342626	T7	67689787	1.00E-59	155475
RP44_409D9	4	CL355389	SP6	67552261	2.00E-54	CL355311	T7	67717792	3.00E-20	165531
RP44_458H4	4	CL323642	T7	67953546	5.00E-50	CL323643	SP6	68150676	0.002	197130
RP44_428O20	4	CL379893	T7	67953662	4.00E-50	CL379981	SP6	68150676	0.001	197014
RP44_330L2	4	CL385531	SP6	68841870	3.00E-11	CL385452	T7	69047814	5.00E-13	205944

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RP44_474C16	4	CL324218	T7	69118625	7.00E-06	CL324219	SP6	69302506	2.00E-10	183881
RP44_324C15	4	CL382464	SP6	73794017	9.00E-08	CL382382	T7	73991400	1.00E-07	197383
RP44_457G13	4	CL377561	T7	74241882	2.00E-27	CL377644	SP6	74418605	1.00E-06	176723
RP44_270P15	4	CL346433	SP6	74285629	2.00E-20	CL346355	T7	74530828	5.00E-06	245199
RP44_372C9	4	CL367626	T7	74324442	2.00E-61	CL367688	SP6	74487959	2.00E-11	163517
RP44_287K8	4	CL389810	T7	75164053	0.002	CL389895	SP6	75550429	1.00E-15	386376
RP44_288I23	4	CL390205	SP6	76034055	4.00E-28	CL390120	T7	76258989	4.00E-04	224934
RP44_412A3	4	CL356722	T7	77114267	4.00E-59	CL356796	SP6	77271335	8.00E-36	157068
RP44_407A24	4	CL354451	T7	77759921	3.00E-09	CL354517	SP6	77921500	e-100	161579
RP44_436N5	4	CL414462	SP6	79448241	2.00E-42	CL414373	T7	79647365	2.00E-33	199124
RP44_301A9	4	CL371062	SP6	79940552	7.00E-17	CL370994	T7	80162485	1.00E-09	221933
RP44_266G3	4	CL338342	T7	82367373	4.00E-47	CL338423	SP6	82604472	0.001	237099
RP44_278K14	4	CL344308	SP6	82520932	1.00E-22	CL344228	T7	82798283	2.00E-06	277351
RP44_260A3	4	CL341145	SP6	82978930	1.00E-22	CL341226	T7	83180473	2.00E-61	201543
RP44_306H8	4	CL372740	T7	83151090	4.00E-16	CL372823	SP6	83377793	3.00E-04	226703
RP44_449C2	4	CL377061	T7	83774296	7.00E-09	CL377144	SP6	91209899	6.00E-08	7435603
RP44_265K16	4	CL337965	SP6	84019923	1.00E-41	CL337884	T7	84220563	1.00E-47	200640
RP44_471G5	4	CL375094	SP6	84542690	2.00E-07	CL375009	T7	84796845	1.00E-04	254155
RP44_288C12	4	CL390325	SP6	84898889	1.00E-06	CL390254	T7	85110835	5.00E-62	211946
RP44_286C12	4	CL389167	T7	85961320	6.00E-09	CL389244	SP6	86141015	1.00E-74	179695
RP44_305N5	4	CL372271	T7	86984310	1.00E-06	CL372352	SP6	87155145	1.00E-06	170835
RP44_335E23	4	CL386928	SP6	87579750	3.00E-10	CL386851	T7	87752843	0.001	173093
RP44_388F16	4	CL363623	SP6	88749563	1.00E-04	CL363552	T7	88977957	5.00E-06	228394
RP44_263K11	4	CL336544	SP6	88887662	4.00E-38	CL336327	T7	89147835	0.001	260173
RP44_408H15	4	CL354964	SP6	89316544	9.00E-14	CL354879	T7	89477332	7.00E-12	160788
RP44_449G16	4	CL377085	T7	90901285	6.00E-18	CL377171	SP6	91070793	9.00E-11	169508
RP44_260N8	4	CL341520	T7	91234268	9.00E-05	CL341601	SP6	91417873	1.00E-13	183605
RP44_287C18	4	CL389771	T7	91234268	3.00E-04	CL389856	SP6	91417873	2.00E-11	183605
RP44_424P22	4	CL378714	SP6	91613274	4.00E-10	CL378649	T7	91785027	7.00E-06	171753
RP44_409J15	4	CL355343	T7	91961651	4.00E-13	CL355424	SP6	132643551	4.00E-35	40681900
RP44_339M5	4	CL360328	SP6	93595828	2.00E-35	CL360266	T7	93733422	2.00E-16	137594
RP44_246H20	4	CL328020	SP6	94007496	2.00E-06	CL327940	T7	94174498	8.00E-64	167002
RP44_309G1	4	CL349289	T7	95982662	e-111	CL349367	SP6	96143241	5.00E-10	160579
RP44_479G9	4	CL325079	SP6	96478603	0.003	CL325078	T7	96619061	1.00E-70	140458
RP44_243K18	4	CL326382	SP6	96521206	1.00E-15	CL326316	T7	96691279	7.00E-70	170073
RP44_275N15	4	CL349064	SP6	96539608	1.00E-28	CL348982	T7	96727477	1.00E-22	187869
RP44_314K18	4	CL380848	SP6	96554020	2.00E-14	CL380764	T7	96748903	e-125	194883

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RP44_314O18	4	CL380868	SP6	96554020	3.00E-17	CL380784	T7	96748903	e-144	194883
RP44_280P23	4	CL345781	SP6	96936600	0.006	CL345693	T7	97169121	9.00E-79	232521
RP44_273M21	4	CL347727	T7	97163348	1.00E-25	CL347809	SP6	97385276	3.00E-08	221928
RP44_314H1	4	CL380984	SP6	98381568	1.00E-31	CL380903	T7	98566847	e-137	185279
RP44_280L6	4	CL345837	T7	99205550	3.00E-05	CL387118	SP6	99459373	3.00E-11	253823
RP44_263N18	4	CL336958	T7	99315820	3.00E-23	CL337038	SP6	99535012	3.00E-04	219192
RP44_469D23	4	CL374005	T7	99483947	9.00E-17	CL374092	SP6	99670761	2.00E-08	186814
RP44_307H7	4	CL373127	SP6	99554895	5.00E-19	CL373042	T7	99758940	1.00E-07	204045
RP44_418A16	4	CL410025	SP6	99666433	4.00E-47	CL409942	T7	99871251	9.00E-08	204818
RP44_470O23	4	CL374481	SP6	100718080	1.00E-06	CL374392	T7	100858533	8.00E-05	140453
RP44_242J5	4	CL326005	SP6	101444363	3.00E-09	CL325951	T7	101675682	4.00E-06	231319
RP44_261D12	4	CL342093	T7	101759317	3.00E-07	CL342171	SP6	101963040	7.00E-06	203723
RP44_299B24	4	CL440072	T7	102050445	5.00E-13			102280376	1.00E-04	229931
RP44_449A7	4	CL376879	T7	102124696	3.00E-81	CL376961	SP6	102394747	7.00E-51	270051
RP44_449E5	4	CL376900	T7	102124696	6.00E-45	CL376983	SP6	102394747	9.00E-51	270051
RP44_323A2	4	CL382042	SP6	102261165	2.00E-20	CL381959	T7	102458732	1.00E-16	197567
RP44_308O8	4	CL373251	T7	103176391	e-104	CL373330	SP6	103341240	1.00E-06	164849
RP44_271M20	4	CL346745	SP6	103361108	7.00E-06	CL346668	T7	103560942	2.00E-05	199834
RP44_305D16	4	CL372470	SP6	103568425	6.00E-83	CL372385	T7	103766275	2.00E-09	197850
RP44_449B1	4	CL377294	SP6	103883008	1.00E-16	CL377219	T7	104122272	0.002	239264
RP44_314N13	4	CL380940	T7	104160374	3.00E-10	CL381018	SP6	104388199	0.006	227825
RP44_431F10	4	CL412901	T7	105206888	2.00E-33	CL412997	SP6	105534756	3.00E-04	327868
RP44_419M12	4	CL410551	SP6	105452699	2.00E-26	CL410502	T7	105726359	e-147	273660
RP44_310G10	4	CL350149	SP6	106074945	4.00E-13	CL350067	T7	106243616	3.00E-14	168671
RP44_400B13	4	CL365156	SP6	107076214	1.00E-22	CL365074	T7	107257144	4.00E-04	180930
RP44_470H20	4	CL374936	SP6	107231738	1.00E-28	CL374863	T7	107390233	1.00E-13	158495
RP44_410K2	4	CL355840	SP6	107266527	3.00E-09	CL355767	T7	107455060	2.00E-09	188533
RP44_309O16	4	CL349571	SP6	107955836	2.00E-10	CL349495	T7	108151198	3.00E-14	195362
RP44_275O16	4	CL348820	T7	108015338	3.00E-17	CL348910	SP6	108235652	2.00E-12	220314
RP44_250E11	4	CL333605	SP6	108632092	2.00E-43	CL333536	T7	108885916	3.00E-04	253824
RP44_455J24	4	CL323078	T7	109209556	2.00E-79	CL323079	SP6	109227178	2.00E-08	17622
RP44_246M2	4	CL327753	SP6	109396601	2.00E-12	CL327673	T7	109562428	1.00E-43	165827
RP44_362H8	4	CL366842	SP6	109648349	2.00E-36	CL366769	T7	109827136	e-111	178787
RP44_262M16	4	CL342462	T7	109905444	4.00E-13	CL342544	SP6	110147824	5.00E-12	242380
RP44_335D18	4	CL359185	SP6	110257867	9.00E-39	CL359110	T7	110447355	2.00E-14	189488
RP44_326O18	4	CL383407	T7	111940054	7.00E-21	CL383479	SP6	112127140	2.00E-52	187086
RP44_275L1	4	CL349048	SP6	112251955	4.00E-04	CL348966	T7	112503438	e-101	251483

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RP44_324O9	4	CL382440	T7	112251955	4.00E-04	CL382525	SP6	112441369	3.00E-08	189414
RP44_257N8	4	CL340689	SP6	112253421	1.00E-24	CL340612	T7	112552561	3.00E-04	299140
RP44_430B5	4	CL412079	SP6	112597112	5.00E-49	CL412162	T7	112779613	6.00E-15	182501
RP44_323K12	4	CL382100	SP6	113373086	7.00E-46	CL382014	T7	113464500	3.00E-11	91414
RP44_251H12	4	CL334584	T7	113746815	2.00E-32	CL334650	SP6	113954000	5.00E-06	207185
RP44_272C4	4	CL347334	SP6	114444034	2.00E-09	CL347248	T7	114593559	1.00E-04	149525
RP44_272G4	4	CL347355	SP6	114444034	2.00E-09	CL347270	T7	114593559	1.00E-04	149525
RP44_356H10	4	CL365991	SP6	114647374	1.00E-68	CL365934	T7	114773149	1.00E-12	125775
RP44_307P9	4	CL373084	T7	115585000	2.00E-09	CL373169	SP6	115816471	4.00E-04	231471
RP44_311B24	4	CL351071	SP6	116232341	2.00E-09	CL350992	T7	116418602	6.00E-40	186261
RP44_415C7	4	CL358596	T7	117601243	3.00E-19	CL358677	SP6	117821683	2.00E-14	220440
RP44_261A19	4	CL341705	SP6	118419197	9.00E-05	CL341627	T7	118605286	6.00E-06	186089
RP44_279K9	4	CL344785	SP6	118604932	1.00E-06	CL344709	T7	118776467	2.00E-36	171535
RP44_279C2	4	CL344902	SP6	120051298	2.00E-21	CL344821	T7	120226164	2.00E-14	174866
RP44_264C23	4	CL337073	T7	120581493	2.00E-05	CL337154	SP6	120874252	2.00E-11	292759
RP44_252F11	4	CL335088	SP6	120614731	5.00E-08	CL335003	T7	120930920	7.00E-05	316189
RP44_469G13	4	CL373683	T7	121927087	4.00E-16	CL373771	SP6	122111888	2.00E-15	184801
RP44_306F3	4	CL372559	T7	122172420	4.00E-62	CL372645	SP6	122357660	3.00E-17	185240
RP44_394J18	4	CL329742	T7	122955646	1.00E-09	CL329743	SP6	123160085	7.00E-85	204439
RP44_264I3	4	CL337175	SP6	123242006	e-155	CL337094	T7	123418186	9.00E-05	176180
RP44_279O12	4	CL344969	SP6	123489477	1.00E-06	CL344887	T7	123661138	4.00E-72	171661
RP44_425I16	4	CL378994	SP6	123698254	1.00E-28	CL378925	T7	123908877	6.00E-06	210623
RP44_413K8	4	CL357624	SP6	124736039	7.00E-61	CL357541	T7	124947228	1.00E-22	211189
RP44_275J11	4	CL349042	SP6	124973433	0.005	CL348960	T7	125186853	5.00E-10	213420
RP44_328D8	4	CL384311	SP6	125835728	0.002	CL384229	T7	126016655	1.00E-07	180927
RP44_241A19	4	CL325263	T7	125852490	4.00E-41	CL325337	SP6	125999835	4.00E-04	147345
RP44_286M16	4	CL389215	T7	126160006	3.00E-07	CL389293	SP6	126359872	3.00E-23	199866
RP44_314P12	4	CL381192	SP6	126169504	1.00E-25	CL381107	T7	126180809	3.00E-05	11305
RP44_268K14	4	CL339164	SP6	126651659	2.00E-18	CL339094	T7	126841573	2.00E-12	189914
RP44_312K13	4	CL351277	SP6	126727672	3.00E-26	CL351202	T7	126921907	4.00E-47	194235
RP44_409J17	4	CL355344	T7	127035830	2.00E-64	CL355425	SP6	127206288	5.00E-24	170458
RP44_410P20	4	CL356119	T7	127279929	4.00E-10	CL356202	SP6	127403979	4.00E-04	124050
RP44_470G14	4	CL374606	SP6	127608314	7.00E-12	CL374521	T7	127797324	3.00E-63	189010
RP44_270N2	4	CL346582	SP6	128310708	2.00E-09	CL346500	T7	128526416	1.00E-34	215708
RP44_469J19	4	CL374035	T7	129323868	1.00E-07	CL374122	SP6	129541165	3.00E-26	217297
RP44_431N24	4	CL413040	SP6	129915197	3.00E-11	CL412963	T7	130143054	4.00E-07	227857
RP44_392I18	4	CL363888	SP6	130561442	4.00E-53	CL363824	T7	130716518	3.00E-04	155076

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RP44_403F22	4	CL353855	SP6	130634119	1.00E-10	CL353792	T7	130805837	3.00E-11	171718
RP44_286G19	4	CL389029	T7	130640097	3.00E-10	CL389104	SP6	130824376	5.00E-10	184279
RP44_429N3	4	CL411728	SP6	130664680	4.00E-16	CL380729	T7	130813818	3.00E-11	149138
RP44_339B9	4	CL360530	SP6	130885610	0	CL360458	T7	131064490	2.00E-48	178880
RP44_327D4	4	CL383930	T7	131026103	9.00E-05	CL384003	SP6	131205904	4.00E-07	179801
RP44_382P18	4	CL329223	SP6	131397583	7.00E-52	CL329222	T7	131574348	0.001	176765
RP44_355F23	4	CL365745	SP6	132473693	3.00E-54	CL365686	T7	132513138	1.00E-07	39445
RP44_355J23	4	CL365756	SP6	132473693	3.00E-54	CL365704	T7	132513138	1.00E-07	39445
RP44_388N2	4	CL363654	SP6	135695299	4.00E-13	CL363585	T7	135875201	2.00E-14	179902
RP44_470K21	4	CL374457	SP6	137201427	5.00E-06	CL374368	T7	137403671	5.00E-06	202244
RP44_313N3	4	CL351861	T7	137446078	6.00E-12	CL351944	SP6	137633099	6.00E-43	187021
RP44_260K19	4	CL341203	SP6	138998225	3.00E-11	CL341282	T7	139017480	2.00E-07	19255
RP44_279M5	4	CL344794	SP6	144648955	2.00E-86	CL344718	T7	144777738	4.00E-04	128783
RP44_279O5	4	CL344804	SP6	144648955	1.00E-86	CL344727	T7	144777728	0.002	128773
RP44_297N10	4	CL439849	T7	146892349	3.00E-07	CL439927	SP6	147121181	2.00E-08	228832
RP44_246C16	4	CL327708	SP6	147804938	5.00E-59	CL327633	T7	148018357	e-129	213419
RP44_338G21	4	CL359888	SP6	148221164	1.00E-90	CL359806	T7	148417232	3.00E-53	196068
RP44_401J15	4	CL352693	SP6	149569074	8.00E-08	CL352615	T7	149754773	2.00E-05	185699
RP44_292N14	4	CL369969	SP6	149668873	0.005	CL369905	T7	149837921	4.00E-06	169048
RP44_469N18	4	CL374219	T7	150667645	0.005	CL374297	SP6	150813650	4.00E-07	146005
RP44_436J20	4	CL375692	T7	150816879	2.00E-37	CL375775	SP6	151020950	2.00E-34	204071
RP44_436N20	4	CL375713	T7	150816879	1.00E-37	CL375797	SP6	151020950	2.00E-34	204071
RP44_365I3	4	CL367266	SP6	151264179	2.00E-18	CL367203	T7	151392203	e-113	128024
RP44_338M17	4	CL359833	T7	151299303	2.00E-24	CL359913	SP6	151384849	2.00E-06	85546
RP44_425A7	4	CL378799	SP6	153401699	3.00E-04	CL378719	T7	153581759	6.00E-06	180060
RP44_479G21	4	CL325086	T7	153721509	0.001	CL325087	SP6	153886290	1.00E-12	164781
RP44_334A18	4	CL386443	T7	155095663	0.002	CL386510	SP6	155272364	7.00E-06	176701
RP44_354G19	4	CL365567	T7	155212524	2.00E-14	CL365627	SP6	155356164	1.00E-18	143640
RP44_337A18	4	CL359652	T7	157642697	3.00E-14	CL359713	SP6	157775839	0.006	133142
RP44_292A7	4	CL369574	T7	158428000	1.00E-09	CL369641	SP6	158559028	4.00E-32	131028
RP44_443L9	4	CL376192	T7	159269782	3.00E-08	CL376262	SP6	159405945	1.00E-18	136163
RP44_271F24	4	CL347029	SP6	160459740	8.00E-11	CL346948	T7	160631604	4.00E-04	171864
RP44_289G11	4	CL368467	SP6	161416223	0.006	CL368380	T7	161653366	4.00E-84	237143
RP44_305P4	4	CL372443	T7	165012817	2.00E-09	CL372525	SP6	165211260	4.00E-04	198443
RP44_375N10	4	CL362258	T7	165211235	3.00E-04	CL362326	SP6	165378330	3.00E-69	167095
RP44_243C24	4	CL326287	T7	167214495	5.00E-05	CL326354	SP6	167376267	8.00E-11	161772
RP44_243F10	4	CL326572	SP6	170636341	0.001	CL326501	T7	170928698	2.00E-08	292357

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RP44_402G5	4	CL352995	SP6	173059309	4.00E-72	CL352921	T7	173237389	1.00E-16	178080
RP44_470N8	4	CL374886	T7	174027449	2.00E-14	CL374959	SP6	174189237	8.00E-23	161788
RP44_241P13	4	CL325465	T7	178252185	8.00E-30	CL325543	SP6	178392031	1.00E-53	139846
RP44_253N19	4	CL335551	SP6	178743749	2.00E-76	CL335474	T7	178938012	6.00E-15	194263
RP44_410F12	4	CL356062		178745301	2.00E-05	CL356145	SP6	178938077	7.00E-24	192776
RP44_411F24	4	CL356612	T7	178745301	0.001	CL356679	SP6	178944472	1.00E-21	199171
RP44_275O3	4	CL348649	T7	179250287	3.00E-57	CL348725	SP6	179466427	7.00E-77	216140
RP44_288M1	4	CL390218	SP6	179762512	2.00E-05	CL390132	T7	180064843	4.00E-16	302331
RP44_288M2	4	CL368036	SP6	179762512	2.00E-05	CL390291	T7	180064808	2.00E-14	302296
RP44_410A13	4	CL355603	T7	180243754	3.00E-05	CL355665	SP6	180498973	7.00E-98	255219
RP44_249F12	4	CL333467	SP6	180773955	2.00E-10	CL333388	T7	180928733	3.00E-97	154778
RP44_401P2	4	CL352803	T7	182035401	6.00E-09	CL352883	SP6	182197256	0.001	161855
RP44_302G10	4	CL371163	T7	182168141	0.002	CL371240	SP6	182416528	1.00E-09	248387
RP44_277G17	4	CL343600	T7	182435407	8.00E-12	CL343680	SP6	182649702	6.00E-74	214295
RP44_246M16	4	CL327680	T7	182447573	3.00E-08	CL327760	SP6	182654672	2.00E-24	207099
RP44_392O14	4	CL363847	T7	182901901	1.00E-04	CL363917	SP6	183062662	7.00E-92	160761
RP44_420O23	4	CL410925	T7	183416907	e-140	CL411004	SP6	183634585	2.00E-14	217678
RP44_327A13	4	CL383629	T7	183432229	1.00E-13	CL383694	SP6	183634585	3.00E-14	202356
RP44_404G13	4	CL322163	T7	183503719	5.00E-07	CL322164	SP6	183692666	2.00E-26	188947
RP44_327C9	4	CL383699	SP6	183550630	2.00E-15	CL383633	T7	183742097	7.00E-55	191467
RP44_280B13	4	CL345614	T7	183575817	5.00E-19	CL345700	SP6	183760197	5.00E-25	184380
RP44_278E6	4	CL344276	SP6	183682892	0.005	CL344193	T7	183873826	2.00E-12	190934
RP44_401F15	4	CL352594	T7	183951510	3.00E-13	CL352673	SP6	184125690	5.00E-65	174180
RP44_332B7	4	CL385848	T7	183981640	1.00E-22	CL385926	SP6	184122784	2.00E-14	141144
RP44_426F4	4	CL379573	SP6	184213941	1.00E-12	CL379488	T7	184415521	2.00E-05	201580
RP44_269O2	4	CL345992	SP6	184213943	5.00E-09	CL345917	T7	184436993	9.00E-08	223050
RP44_479M9	4	CL325134	T7	185526140	3.00E-32	CL325135	T7	185751726	2.00E-05	225586
RP44_280A12	4	CL345541	SP6	185831921	4.00E-13	CL345457	T7	186020423	1.00E-46	188502
RP44_386P10	4	CL329349	T7	186829100	e-122	CL329350	SP6	187028636	2.00E-11	199536
RP44_263O7	4	CL336564	SP6	186951338	2.00E-15	CL336347	T7	187185635	2.00E-06	234297
RP44_315J14	4	CL381492	SP6	188268449	7.00E-08	CL381412	T7	188443055	3.00E-38	174606
RP44_265L3	4	CL338039	T7	188902030	4.00E-04	CL338120	SP6	189071605	1.00E-07	169575
RP44_332C19	4	CL385654	SP6	189050650	8.00E-05	CL385581	T7	189291036	1.00E-12	240386
RP44_310G20	4	CL350154	SP6	189522876	2.00E-12	CL350072	T7	189579723	3.00E-06	56847
RP44_386J2	5	CL329301	T7	2563382	3.00E-04	CL329302	SP6	2782984	7.00E-07	219602
RP44_471H7	5	CL375428	SP6	3219388	0	CL375347	T7	3429022	8.00E-05	209634
RP44_278H2	5	CL344606	SP6	5271954	2.00E-11	CL344529	T7	5486109	3.00E-39	214155

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RP44_353L9	5	CL362107	SP6	10934995	2.00E-07	CL362039	T7	11102443	0.004	167448
RP44_285M8	5	CL388841	SP6	11595173	2.00E-17	CL388765	T7	11746065	1.00E-04	150892
RP44_363E9	5	CL366907	T7	11734211	9.00E-11	CL366973	SP6	11879146	3.00E-04	144935
RP44_315D23	5	CL381220	T7	14392198	3.00E-72	CL381304	SP6	14644973	6.00E-09	252775
RP44_409H2	5	CL355478	T7	14426883	2.00E-08	CL355551	SP6	14645566	2.00E-08	218683
RP44_394G18	5	CL329434	SP6	15148226	2.00E-11	CL329433	T7	15337634	1.00E-26	189408
RP44_265E10	5	CL337930	SP6	15727956	7.00E-12	CL337848	T7	15890936	2.00E-30	162980
RP44_375N24	5	CL362333	SP6	15728127	5.00E-09	CL362265	T7	15881962	5.00E-15	153835
RP44_410H11	5	CL355906	T7	15805294	2.00E-05	CL355990	SP6	15999792	2.00E-18	194498
RP44_257E2	5	CL340367	SP6	16217461	0.001	CL340294	T7	16404511	1.00E-06	187050
RP44_375N18	5	CL362262	T7	16242292	4.00E-16	CL362330	SP6	16401328	4.00E-50	159036
RP44_305J19	5	CL372339	SP6	17247881	1.00E-13	CL372256	T7	17434761	3.00E-54	186880
RP44_426M19	5	CL379187	SP6	22834652	4.00E-04	CL379099	T7	22989878	5.00E-59	155226
RP44_323K23	5	CL381874	T7	22959098	4.00E-04	CL381939	SP6	23002367	2.00E-12	43269
RP44_279E19	5	CL344685	T7	24872649	3.00E-14	CL344760	SP6	25092905	3.00E-08	220256
RP44_329E13	5	CL384409	T7	25062873	4.00E-07	CL384490	SP6	25244679	9.00E-08	181806
RP44_314D1	5	CL380966	SP6	27117548	4.00E-53	CL380881	T7	27278141	1.00E-06	160593
RP44_469G24	5	CL373854	SP6	28041347	0.001	CL373863	T7	28334622	2.00E-52	293275
RP44_292P18	5	CL369981	SP6	28405602	4.00E-25	CL369916	T7	28714551	2.00E-09	308949
RP44_335M24	5	CL387048	T7	30892460	0.001	CL358916	SP6	31027813	e-132	135353
RP44_445N23	5	CL376777	T7	31012202	2.00E-27	CL376864	SP6	31189563	6.00E-71	177361
RP44_417C4	5	CL409464	SP6	31033307	4.00E-16	CL409388	T7	31202628	1.00E-10	169321
RP44_315B6	5	CL381372	T7	31130882	1.00E-53	CL381451	SP6	31282598	0.006	151716
RP44_280F14	5	CL387090	SP6	31186930	1.00E-28	CL345808	T7	31366229	5.00E-31	179299
RP44_300C1	5	CL370757	SP6	31293874	1.00E-32	CL440214	T7	31492125	3.00E-14	198251
RP44_398B23	5	CL364729	SP6	31603792	7.00E-08	CL364646	T7	31818550	2.00E-20	214758
RP44_458J22	5	CL323684	SP6	33272674	4.00E-10	CL323683	T7	33459590	1.00E-80	186916
RP44_323D24	5	CL382302	SP6	33631344	2.00E-15	CL382222	T7	33796578	4.00E-04	165234
RP44_401N21	5	CL352638	T7	33768371	1.00E-12	CL352717	SP6	33963615	4.00E-50	195244
RP44_353F7	5	CL362081	SP6	33786843	6.00E-08	CL362011	T7	33963602	4.00E-53	176759
RP44_332D9	5	CL385936	SP6	34633115	2.00E-08	CL385857	T7	34843645	5.00E-24	210530
RP44_443B7	5	CL376147	T7	35210920	3.00E-29	CL376220	SP6	35430527	8.00E-05	219607
RP44_257N22	5	CL340618	T7	35264736	1.00E-31	CL340694	SP6	35470751	4.00E-13	206015
RP44_288D9	5	CL368066	T7	36241202	7.00E-05	CL368139	SP6	36440514	2.00E-11	199312
RP44_353P20	5	CL365536	SP6	36522748	6.00E-09	CL365451	T7	36690573	7.00E-18	167825
RP44_335C3	5	CL386833	T7	37167262	3.00E-39	CL386909	SP6	37396737	2.00E-36	229475
RP44_337A5	5	CL359583	SP6	37364468	3.00E-43	CL359518	T7	37561868	3.00E-25	197400

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RP44_430H23	5	CL412117	SP6	38135411	1.00E-12	CL412196	T7	38259599	3.00E-35	124188
RP44_401B2	5	CL352727	T7	38345959	5.00E-06	CL352810	SP6	38485150	1.00E-50	139191
RP44_338G3	5	CL359879	SP6	38606915	3.00E-05	CL359797	T7	38758338	5.00E-06	151423
RP44_417F4	5	CL409677	T7	38654511	1.00E-06	CL409741	SP6	38846036	8.00E-08	191525
RP44_436N18	5	CL375712	T7	41163350	7.00E-09	CL375796	SP6	41345079	4.00E-07	181729
RP44_255L19	5	CL336203	T7	41446583	2.00E-58	CL336282	SP6	41674914	1.00E-13	228331
RP44_401L4	5	CL352785	T7	41446583	7.00E-86	CL352862	SP6	41700518	2.00E-33	253935
RP44_314A9	5	CL352136	T7	42196738	6.00E-09	CL352208	SP6	42412528	0.001	215790
RP44_333K8	5	CL386180	T7	44021427	2.00E-39	CL386256	SP6	44240998	9.00E-08	219571
RP44_323C12	5	CL382056	SP6	44747694	2.00E-21	CL381972	T7	44942758	4.00E-04	195064
RP44_362D3	5	CL366598	T7	44997772	9.00E-30	CL366673	SP6	45052443	3.00E-11	54671
RP44_445L11	5	CL376847	SP6	45179699	5.00E-06	CL376759	T7	45414036	2.00E-11	234337
RP44_449H22	5	CL377487	SP6	50029776	5.00E-15	CL377415	T7	50264522	0.001	234746
RP44_334K18	5	CL386553	SP6	50739064	0.001	CL386489	T7	50888403	3.00E-53	149339
RP44_308N19	5	CL373477	SP6	50909540	2.00E-05	CL373400	T7	51113007	3.00E-07	203467
RP44_260D6	5	CL341550	SP6	51251987	8.00E-21	CL341470	T7	51448514	1.00E-13	196527
RP44_389D23	5	CL363681	SP6	51587724	4.00E-07	CL363745	T7	51758466	7.00E-70	170742
RP44_244A18	5	CL326773	T7	51788316	2.00E-09	CL326849	SP6	52001677	1.00E-06	213361
RP44_263H2	5	CL336920	T7	52171715	3.00E-14	CL337001	SP6	52340963	1.00E-06	169248
RP44_417M16	5	CL409517	SP6	52570458	1.00E-68	CL409439	T7	52732308	2.00E-05	161850
RP44_254H18	5	CL335880	T7	52629224	8.00E-61	CL335954	SP6	52801113	4.00E-13	171889
RP44_389H21	5	CL363697	SP6	53184138	5.00E-65	CL363764	T7	53398436	2.00E-05	214298
RP44_411N22	5	CL356711	SP6	53188397	3.00E-04	CL356645	T7	53359457	1.00E-12	171060
RP44_279M1	5	CL344792	SP6	54229280	6.00E-09	CL344716	T7	54430987	6.00E-14	201707
RP44_256L1	5	CL339876	T7	54528037	3.00E-07	CL339952	SP6	54736107	2.00E-11	208070
RP44_374N19	5	CL367986	SP6	54644604	7.00E-21	CL367916	T7	54786799	8.00E-55	142195
RP44_430F7	5	CL412101	SP6	56296585	3.00E-23	CL412182	T7	56527589	2.00E-20	231004
RP44_305C13	5	CL372156	SP6	57564657	1.00E-11	CL372079	T7	57788300	0.001	223643
RP44_305D11	5	CL372304	SP6	58230034	1.00E-06	CL372219	T7	58410064	1.00E-06	180030
RP44_245G9	5	CL327088	T7	58302479	5.00E-06	CL327160	SP6	58487229	1.00E-13	184750
RP44_255K23	5	CL336126	SP6	58448430	5.00E-16	CL336043	T7	58685458	4.00E-09	237028
RP44_431M11	5	CL412461	T7	58551876	1.00E-13	CL412539	SP6	58750750	0.001	198874
RP44_402G3	5	CL352920	T7	58976916	2.00E-15	CL352994	SP6	59132397	5.00E-07	155481
RP44_279D14	5	CL345134	T7	59178013	3.00E-14	CL345216	SP6	59306208	7.00E-12	128195
RP44_358E8	5	CL366044	T7	59719621	3.00E-59	CL366105	SP6	59903366	2.00E-07	183745
RP44_409M5	5	CL355126	SP6	59853547	4.00E-07	CL355060	T7	60034003	2.00E-08	180456
RP44_254O15	5	CL335768	T7	61001704	8.00E-04	CL335840	SP6	61173428	2.00E-24	171724

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RP44_250K8	5	CL333696	T7	61185013	e-158	CL333767	SP6	61378108	6.00E-39	193095
RP44_262P24	5	CL336379	SP6	61722016	1.00E-25	CL336420	T7	61869124	6.00E-15	147108
RP44_265M19	5	CL337810	SP6	62517573	0.002	CL337733	T7	62710900	7.00E-21	193327
RP44_283E23	5	CL387804	T7	63498253	2.00E-06	CL387881	SP6	63606324	9.00E-05	108071
RP44_449C15	5	CL376976	SP6	63869274	9.00E-11	CL376895	T7	64050008	2.00E-06	180734
RP44_329G3	5	CL384497	SP6	63914312	2.00E-08	CL384416	T7	64041462	2.00E-18	127150
RP44_258D2	5	CL340942	SP6	64894132	3.00E-32	CL340874	T7	65081777	6.00E-12	187645
RP44_241A3	5	CL325258	T7	65440751	4.00E-07	CL325334	SP6	65642528	2.00E-27	201777
RP44_254D16	5	CL335859	T7	65448679	7.00E-21	CL335933	SP6	65680246	5.00E-09	231567
RP44_275H16	5	CL342853	SP6	65448679	5.00E-37	CL349114	T7	65720757	1.00E-07	272078
RP44_364I5	5	CL367134	SP6	65802868	1.00E-06	CL367060	T7	65956499	0.005	153631
RP44_415L1	5	CL408513	T7	66275256	6.00E-07	CL408597	SP6	66450966	e-110	175710
RP44_253K8	5	CL335331	T7	66366498	1.00E-37	CL335390	SP6	66561241	2.00E-05	194743
RP44_243O19	5	CL326266	SP6	66395286	2.00E-06	CL326266	T7	66561241	2.00E-05	165955
RP44_436J5	5	CL414354	T7	66449068	2.00E-43	CL414441	SP6	66661824	6.00E-09	212756
RP44_288N5	5	CL368110	T7	67450096	3.00E-11	CL368186	SP6	67631859	7.00E-12	181763
RP44_428I6	5	CL379942	SP6	68046822	7.00E-58	CL379855	T7	68215885	4.00E-41	169063
RP44_413B16	5	CL357901	SP6	68098439	5.00E-12	CL357816	T7	68371301	2.00E-52	272862
RP44_308G18	5	CL373216	T7	70989679	6.00E-12	CL373293	SP6	71174371	5.00E-43	184692
RP44_377M16	5	CL362408	T7	71146302	9.00E-08	CL362487	SP6	71331267	1.00E-25	184965
RP44_281C12	5	CL387392	SP6	71290138	2.00E-09	CL387310	T7	71460770	4.00E-06	170632
RP44_433H6	5	CL413560	T7	71374847	8.00E-11	CL413636	SP6	71541568	1.00E-34	166721
RP44_479C11	5	CL325046	SP6	73801390	0.001	CL325045	T7	74000230	9.00E-54	198840
RP44_326A8	5	CL383332	T7	73932921	1.00E-95	CL383411	SP6	74081466	7.00E-05	148545
RP44_262N11	5	CL342627	T7	75345166	1.00E-19	CL342709	SP6	75514783	3.00E-08	169617
RP44_367E20	5	CL367318	T7	76277309	0.006	CL367397	SP6	76464571	1.00E-28	187262
RP44_262H21	5	CL342683	SP6	76382556	3.00E-54	CL342598	T7	76535716	2.00E-39	153160
RP44_327H18	5	CL383955	T7	78958394	2.00E-26	CL384028	SP6	79143897	1.00E-19	185503
RP44_402B8	5	CL353358	T7	79972645	4.00E-12	CL353299	SP6	80167729	2.00E-25	195084
RP44_243J4	5	CL326591	SP6	80038979	7.00E-09	CL326518	T7	80207973	7.00E-86	168994
RP44_425K7	5	CL378852	SP6	80645093	1.00E-10	CL378770	T7	80805378	1.00E-13	160285
RP44_288E13	5	CL390097	T7	80799099	2.00E-08	CL390180	SP6	80949284	6.00E-18	150185
RP44_417B16	5	CL409667	T7	80906969	3.00E-25	CL409731	SP6	81113853	1.00E-36	206884
RP44_459D19	5	CL323756	T7	80949843	4.00E-49	CL323757	SP6	81113752	1.00E-67	163909
RP44_410B22	5	CL356129	SP6	81118471	5.00E-34	CL356048	T7	81323891	0.001	205420
RP44_283G7	5	CL387887	SP6	81324750	1.00E-24	CL387807	T7	81559713	6.00E-12	234963
RP44_433I24	5	CL413502	SP6	81361004	7.00E-12	CL413416	T7	81579973	e-159	218969

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RP44_393C6	5	CL363930	T7	81388951	2.00E-08	CL364000	SP6	81587133	0.001	198182
RP44_418M6	5	CL409997	T7	81451169	2.00E-05	CL410085	SP6	81639226	4.00E-25	188057
RP44_418O6	5	CL410009	T7	81451169	2.00E-05	CL410096	SP6	81639224	7.00E-21	188055
RP44_250F21	5	CL333894	SP6	81516669	0.001	CL333822	T7	81711073	3.00E-57	194404
RP44_302E2	5	CL371149	T7	81586596	1.00E-18	CL371226	SP6	81817262	4.00E-07	230666
RP44_332I6	5	CL385740	T7	81711197	1.00E-90	CL385811	SP6	81934218	1.00E-22	223021
RP44_272F6	5	CL347578	T7	82110348	1.00E-06	CL347633	SP6	82347587	5.00E-19	237239
RP44_372B19	5	CL367814	SP6	82383715	9.00E-11	CL367751	T7	82530477	3.00E-75	146762
RP44_412N8	5	CL357314	SP6	82599429	8.00E-07	CL357240	T7	82851186	8.00E-27	251757
RP44_305N23	5	CL372277	T7	82803074	2.00E-61	CL372358	SP6	83024910	6.00E-61	221836
RP44_414C12	5	CL358133	T7	82909632	2.00E-18	CL358206	SP6	83079169	2.00E-05	169537
RP44_432P20	5	CL413358	SP6	83282154	5.00E-16	CL413280	T7	83463892	4.00E-23	181738
RP44_261I24	5	CL341824	T7	83986104	7.00E-06	CL341912	SP6	84162596	0.001	176492
RP44_309M13	5	CL349404	SP6	86417878	6.00E-06	CL349327	T7	86452248	7.00E-06	34370
RP44_428G22	5	CL379851	T7	86707545	0.006	CL379938	SP6	86942543	2.00E-31	234998
RP44_328F20	5	CL384328	SP6	86716868	5.00E-07	CL384246	T7	86734039	7.00E-37	17171
RP44_265A9	5	CL337749	SP6	87703911	1.00E-40	CL337671	T7	87877355	3.00E-04	173444
RP44_430F13	5	CL412185	T7	88266543	3.00E-44	CL412104	SP6	88447097	3.00E-66	180554
RP44_261I6	5	CL341903	SP6	88318570	3.00E-23	CL341816	T7	88481862	7.00E-21	163292
RP44_270D14	5	CL346534	SP6	88446550	2.00E-71	CL346452	T7	88647795	5.00E-13	201245
RP44_270H14	5	CL346555	SP6	88446550	6.00E-68	CL346473	T7	88647795	3.00E-05	201245
RP44_299H2	5	CL440159	SP6	88447199	2.00E-30	CL440088	T7	88650057	e-166	202858
RP44_309I24	5	CL349547	SP6	89023416	2.00E-18	CL349470	T7	89168891	4.00E-04	145475
RP44_413M13	5	CL357393	T7	89095100	3.00E-05	CL357474	SP6	89285652	2.00E-09	190552
RP44_419P11	5	CL410633	T7	89207239	e-100	CL410705	SP6	89384315	4.00E-38	177076
RP44_408A6	5	CL354774	SP6	89243873	1.00E-09	CL354707	T7	89451011	5.00E-27	207138
RP44_418B18	5	CL410168	T7	89270153	4.00E-99	CL410253	SP6	89454362	4.00E-15	184209
RP44_302K6	5	CL371181	T7	89488807	e-145	CL371259	SP6	89702173	5.00E-19	213366
RP44_241F8	5	CL325635	SP6	89724642	3.00E-10	CL325565	T7	89926137	5.00E-06	201495
RP44_419B14	5	CL410781	SP6	89878712	3.00E-06	CL410713	T7	90046964	5.00E-64	168252
RP44_399B3	5	CL321977	SP6	90725033	3.00E-07	CL321976	T7	90932546	1.00E-34	207513
RP44_263O3	5	CL336562	SP6	91200619	4.00E-35	CL336345	T7	91352315	1.00E-41	151696
RP44_290E10	5	CL369277	SP6	91743435	6.00E-46	CL369188	T7	91932478	6.00E-05	189043
RP44_251A13	5	CL334099	T7	92001185	9.00E-05	CL334177	SP6	92179002	1.00E-19	177817
RP44_253F14	5	CL335651	SP6	92094592	2.00E-05	CL335583	T7	92343298	e-104	248706
RP44_416E8	5	CL322637	SP6	92687249	7.00E-08	CL322636	T7	92898929	2.00E-04	211680
RP44_429C11	5	CL380426	SP6	92694078	4.00E-10	CL380340	T7	92898929	4.00E-04	204851

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RP44_314K21	5	CL352182	T7	92722661	7.00E-30	CL352253	SP6	92916122	3.00E-04	193461
RP44_335P3	5	CL358999	T7	92722661	2.00E-34	CL359085	SP6	92916122	3.00E-04	193461
RP44_353H16	5	CL365416	T7	93146579	8.00E-08	CL365490	SP6	93375035	2.00E-05	228456
RP44_326G24	5	CL383445	SP6	93580468	1.00E-19	CL383370	T7	93817986	8.00E-55	237518
RP44_429H5	5	CL380703	T7	93687219	3.00E-13	CL411701	SP6	93891126	4.00E-75	203907
RP44_305H24	5	CL372410	T7	93808729	0.001	CL372494	SP6	94035677	4.00E-75	226948
RP44_429P15	5	CL380743	T7	94038952	e-118	CL411744	SP6	94238736	0	199784
RP44_402M18	5	CL353109	T7	94231346	4.00E-78	CL353179	SP6	94416771	3.00E-11	185425
RP44_296G15	5	CL370715	SP6	94441039	3.00E-04	CL370636	T7	94648990	3.00E-24	207951
RP44_429F9	5	CL411692	SP6	94523599	2.00E-11	CL380695	T7	94723506	2.00E-17	199907
RP44_413P14	5	CL357976	SP6	95428607	8.00E-18	CL357889	T7	95593259	2.00E-18	164652
RP44_420C20	5	CL411094	SP6	95441321	2.00E-04	CL411021	T7	95640226	2.00E-35	198905
RP44_419I7	5	CL410362	T7	95679312	3.00E-26	CL410430	SP6	95833396	3.00E-11	154084
RP44_325F23	5	CL383106	SP6	95706530	1.00E-09	CL383020	T7	95866594	1.00E-04	160064
RP44_255K13	5	CL336041	T7	95760559	8.00E-24	CL336123	SP6	95947148	5.00E-56	186589
RP44_258H5	5	CL340739	T7	95777487	e-119	CL340821	SP6	95947175	1.00E-09	169688
RP44_416N5	5	CL409079	T7	96317386	2.00E-07	CL409001	SP6	96459281	2.00E-42	141895
RP44_420O21	5	CL410924	T7	97287056	3.00E-11	CL411003	SP6	97434681	8.00E-58	147625
RP44_471J12	5	CL375516	T7	97936033	5.00E-56	CL375590	SP6	98126869	3.00E-13	190836
RP44_437G16	5	CL322937	T7	100198848	2.00E-70	CL322938	SP6	100484745	0.005	285897
RP44_287L24	5	CL389974	T7	100884890	3.00E-11	CL390046	SP6	101088205	1.00E-04	203315
RP44_287K1	5	CL389658	T7	100934699	1.00E-04	CL389728	SP6	101152830	1.00E-06	218131
RP44_471M13	5	CL375043	T7	101180206	3.00E-10	CL375129	SP6	101370349	5.00E-40	190143
RP44_280N1	5	CL345673	T7	102174491	e-121	CL345762	SP6	102312342	0.005	137851
RP44_270M19	5	CL346262	SP6	102191100	5.00E-25	CL346192	T7	102359923	9.00E-42	168823
RP44_270O21	5	CL346275	SP6	102191100	5.00E-25	CL346204	T7	102359923	6.00E-42	168823
RP44_277G14	5	CL343831	SP6	102234173	4.00E-41	CL343754	T7	102386420	1.00E-47	152247
RP44_469E10	5	CL373845	T7	105347440	4.00E-31	CL373929	SP6	105532065	1.00E-06	184625
RP44_409M19	5	CL355065	T7	106456254	1.00E-12	CL355132	SP6	106608731	1.00E-09	152477
RP44_243P18	5	CL326618	SP6	106821986	2.00E-43	CL326548	T7	107013735	4.00E-04	191749
RP44_286N15	5	CL389364	T7	106870104	9.00E-45	CL389443	SP6	107036390	5.00E-34	166286
RP44_268N21	5	CL339252	T7	106926177	3.00E-54	CL339333	SP6	107143169	3.00E-11	216992
RP44_265N18	5	CL338220	T7	106952333	7.00E-89	CL338302	SP6	107142367	3.00E-11	190034
RP44_275N4	5	CL342798	T7	107043686	4.00E-19	CL342881	SP6	107212039	e-143	168353
RP44_410P12	5	CL356198	SP6	107094061	2.00E-15	CL356115	T7	107267436	1.00E-13	173375
RP44_418D12	5	CL410260	SP6	107094420	1.00E-15	CL410176	T7	107271861	8.00E-05	177441
RP44_412L2	5	CL357227	T7	107291444	e-106	CL357301	SP6	107496927	7.00E-07	205483

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RP44_261O5	5	CL341688	T7	107330762	9.00E-79	CL341766	SP6	107543870	8.00E-05	213108
RP44_396C2	5	CL364320	SP6	107469424	1.00E-39	CL364244	T7	107666572	1.00E-36	197148
RP44_309D24	5	CL349744	T7	107949412	3.00E-45	CL349820	SP6	108119138	7.00E-12	169726
RP44_329I23	5	CL384433	T7	108229245	2.00E-12	CL384516	SP6	108394276	4.00E-10	165031
RP44_429E5	5	CL380347	T7	108233530	2.00E-12	CL380434	SP6	108394276	2.00E-12	160746
RP44_400F7	5	CL365174	SP6	108281454	2.00E-05	CL365089	T7	108431496	1.00E-10	150042
RP44_428C4	5	CL379821	T7	108482922	8.00E-11	CL379907	SP6	108690451	0.005	207529
RP44_471G17	5	CL375100	SP6	109880837	0.001	CL375015	T7	110114739	2.00E-08	233902
RP44_436H11	5	CL414348	T7	112430528	8.00E-67	CL414432	SP6	112584426	2.00E-17	153898
RP44_289A7	5	CL368343	T7	113581400	6.00E-06	CL368432	SP6	113733054	1.00E-04	151654
RP44_417J13	5	CL409627	SP6	114545719	9.00E-04	CL409559	T7	114747318	4.00E-07	201599
RP44_246G3	5	CL327503	T7	114568985	4.00E-06	CL327577	SP6	114743935	6.00E-06	174950
RP44_469K11	5	CL373791	SP6	115640040	7.00E-43	CL373703	T7	115812660	0	172620
RP44_310M14	5	CL350184	SP6	115924375	7.00E-12	CL350103	T7	116108570	3.00E-60	184195
RP44_250B7	5	CL333796	T7	116557684	8.00E-21	CL333871	SP6	116717348	0.006	159664
RP44_284A15	5	CL387939	T7	116612458	2.00E-54	CL388007	SP6	116783766	2.00E-30	171308
RP44_279F23	5	CL345001	T7	117240605	5.00E-47	CL345068	SP6	117335343	2.00E-15	94738
RP44_419J9	5	CL410603	T7	117737579	2.00E-07	CL410677	SP6	117957072	5.00E-62	219493
RP44_254B20	5	CL335925	SP6	119638195	2.00E-13	CL335851	T7	119871478	0.004	233283
RP44_250F13	5	CL333818	T7	121188430	7.00E-21	CL333890	SP6	121377985	8.00E-47	189555
RP44_262K15	5	CL342367	SP6	121902189	1.00E-16	CL342289	T7	122101586	1.00E-06	199397
RP44_265K24	5	CL337969	SP6	123085023	5.00E-09	CL337888	T7	124249899	0.006	1164876
RP44_389J9	5	CL363702	SP6	123413139	1.00E-06	CL363769	T7	123555231	9.00E-11	142092
RP44_329O2	5	CL384614	T7	124071080	9.00E-10	CL384689	SP6	124268106	4.00E-09	197026
RP44_256D15	5	CL339921	SP6	124074894	6.00E-12	CL339844	T7	124257280	2.00E-86	182386
RP44_437K22	5	CL322966	T7	124102641	e-131	CL322967	SP6	124272289	6.00E-70	169648
RP44_279D11	5	CL345057	SP6	124239924	1.00E-87	CL344990	T7	124431191	8.00E-12	191267
RP44_288B11	5	CL368132	SP6	124501813	0.001	CL368059	T7	5	1.00E-19	192783
RP44_426L9	5	CL379437	SP6	125050727	1.00E-24	CL379357	T7	125237206	2.00E-05	186479
RP44_280H20	5	CL345821	T7	125358717	1.00E-07	CL387103	SP6	125576238	0.001	217521
RP44_445M1	5	CL376684	SP6	126656636	2.00E-12	CL376614	T7	126853004	9.00E-17	196368
RP44_417A3	5	CL409306	SP6	127049048	3.00E-07	CL409217	T7	127276641	1.00E-12	227593
RP44_328F10	5	CL384323	SP6	128285554	2.00E-06	CL384241	T7	128295773	7.00E-06	10219
RP44_265C17	5	CL337684	T7	128970276	4.00E-04	CL337760	SP6	129125573	2.00E-14	155297
RP44_344B8	5	CL361109	T7	130741607	8.00E-18	CL361180	SP6	130761233	2.00E-71	19626
RP44_335A6	5	CL386981	T7	131314517	3.00E-14	CL362126	SP6	131454218	0.002	139701
RP44_383E16	5	CL363210	SP6	132003976	7.00E-42	CL363132	T7	132081482	8.00E-15	77506

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_413H18	5	CL357935	SP6	132241745	5.00E-09	CL357851	T7	132439977	3.00E-41	198232
RP44_284C12	5	CL388161	SP6	132612553	2.00E-39	CL388085	T7	132779887	1.00E-09	167334
RP44_249K21	5	CL333232	SP6	133199976	1.00E-12	CL333160	T7	133357709	7.00E-36	157733
RP44_422C18	5	CL411573	SP6	133563601	e-157	CL411499	T7	133805015	2.00E-06	241414
RP44_250G19	5	CL333548	T7	133743099	2.00E-48	CL333617	SP6	133970027	7.00E-06	226928
RP44_474M8	5	CL324321	SP6	134082570	9.00E-14	CL324320	T7	134302165	1.00E-43	219595
RP44_425O9	5	CL378875	SP6	134272316	2.00E-11	CL378792	T7	134441235	3.00E-04	168919
RP44_471N22	5	CL375615	SP6	135342299	1.00E-09	CL375540	T7	135527335	3.00E-20	185036
RP44_290K20	5	CL369226	T7	135730220	0.001	CL369315	SP6	135981856	7.00E-06	251636
RP44_288N22	5	CL368270	T7	137008675	2.00E-20	CL368330	SP6	137180907	1.00E-21	172232
RP44_411P8	5	CL356648	T7	137236961	0	CL356713	SP6	137321552	1.00E-99	84591
RP44_252G23	5	CL334730	T7	138154132	4.00E-09	CL334810	SP6	138355144	2.00E-51	201012
RP44_356G17	5	CL365869	SP6	139677761	0.002	CL365807	T7	139868704	3.00E-44	190943
RP44_380D12	5	CL362802	T7	139872349	8.00E-73	CL362875	SP6	140067363	5.00E-37	195014
RP44_311G10	5	CL350694	T7	140149075	2.00E-36	CL350770	SP6	140348993	3.00E-11	199918
RP44_353H18	5	CL365417	T7	140792503	4.00E-07	CL365491	SP6	140961404	1.00E-31	168901
RP44_375D18	5	CL362288	SP6	141723181	1.00E-49	CL362213	T7	141918320	7.00E-11	195139
RP44_343P1	5	CL361029	T7	142391906	6.00E-08	CL361096	SP6	142407950	2.00E-13	16044
RP44_311K12	5	CL350793	SP6	144558701	e-138	CL350716	T7	144802545	3.00E-07	243844
RP44_248A21	5	CL328144	SP6	145224509	3.00E-05	CL328071	T7	145377942	3.00E-41	153433
RP44_285D6	5	CL388865	T7	146285919	3.00E-04	CL388936	SP6	146474668	1.00E-31	188749
RP44_436F8	5	CL375749	SP6	148195587	5.00E-80	CL375667	T7	148425275	3.00E-10	229688
RP44_432M17	5	CL413116	T7	150576996	2.00E-06	CL413201	SP6	150762486	1.00E-04	185490
RP44_281D15	5	CL387555	SP6	150709929	4.00E-12	CL387471	T7	150913598	1.00E-81	203669
RP44_311F1	5	CL350918	SP6	150804219	1.00E-06	CL350837	T7	150960154	1.00E-09	155935
RP44_273M6	5	CL347879	T7	151172591	9.00E-66	CL347950	SP6	151339079	3.00E-19	166488
RP44_470E20	5	CL374512	T7	151807934	1.00E-53	CL374598	SP6	151958456	3.00E-26	150522
RP44_471B9	5	CL375399	SP6	155007205	1.00E-19	CL375321	T7	155176457	4.00E-12	169252
RP44_246B13	5	CL327776	T7	155384882	9.00E-17	CL327840	SP6	155595281	3.00E-09	210399
RP44_436N23	5	CL375631	SP6	156756386	2.00E-11	CL414381	T7	156974986	5.00E-80	218600
RP44_246J4	5	CL328023	SP6	156923913	6.00E-15	CL327943	T7	157168553	2.00E-98	244640
RP44_305C19	5	CL372158	SP6	157375181	8.00E-07	CL372081	T7	157438611	e-111	63430
RP44_329M13	5	CL384451	T7	158149745	1.00E-09	CL384530	SP6	158331382	3.00E-07	181637
RP44_278P18	5	CL344578	T7	158516219	2.00E-09	CL344654	SP6	158681349	4.00E-10	165130
RP44_323O14	5	CL382036	T7	158639510	2.00E-18	CL382120	SP6	158877298	9.00E-36	237788
RP44_286N18	5	CL389522	T7	159113302	8.00E-05	CL389598	SP6	159291141	2.00E-30	177839
RP44_457I18	5	CL377822	SP6	162804406	2.00E-33	CL377735	T7	162920539	6.00E-12	116133

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RP44_457K16	5	CL377832	SP6	162907428	1.00E-77	CL377745	T7	163065456	3.00E-21	158028
RP44_323I20	5	CL382006	T7	162962279	7.00E-77	CL382092	SP6	163124717	0.006	162438
RP44_289N24	5	CL368907	T7	163687764	2.00E-34	CL368989	SP6	163870495	7.00E-06	182731
RP44_276F1	5	CL343259	T7	164111123	3.00E-54	CL343341	SP6	164271090	0.006	159967
RP44_425C22	5	CL378971	SP6	164696985	0.005	CL378898	T7	164946510	e-101	249525
RP44_327C18	5	CL383774	T7	164998528	e-102	CL383853	SP6	165171624	4.00E-35	173096
RP44_429M15	5	CL380481	SP6	165747086	3.00E-08	CL380394	T7	165944450	3.00E-14	197364
RP44_287E3	5	CL389631	T7	166257751	3.00E-23	CL389708	SP6	166424619	e-112	166868
RP44_246H18	5	CL327939	T7	166344075	2.00E-42	CL328019	SP6	166547010	7.00E-18	202935
RP44_255G19	5	CL336022	T7	166657588	5.00E-28	CL336104	SP6	166818621	e-152	161033
RP44_400I23	5	CL364900	T7	166944914	6.00E-13	CL364848	SP6	167123985	1.00E-06	179071
RP44_263I22	5	CL336702	SP6	167013456	4.00E-04	CL336624	T7	167190872	5.00E-09	177416
RP44_426H21	5	CL379423	SP6	167075792	8.00E-33	CL379342	T7	167240146	e-140	164354
RP44_431A4	5	CL412556	T7	167150933	7.00E-24	CL412641	SP6	167327970	6.00E-18	177037
RP44_409A15	5	CL355081	SP6	168212499	2.00E-11	CL355015	T7	168419105	8.00E-07	206606
RP44_313L13	5	CL351937	SP6	168314088	7.00E-15	CL351855	T7	168488247	3.00E-26	174159
RP44_403J21	5	CL353744	SP6	168394471	6.00E-09	CL353683	T7	168569883	8.00E-73	175412
RP44_338P5	5	CL359998	T7	169250938	1.00E-09	CL360086	SP6	169429898	8.00E-08	178960
RP44_424P5	5	CL378522	T7	169250938	1.00E-09	CL378582	SP6	169414766	7.00E-27	163828
RP44_273B4	5	CL348044	SP6	170790717	3.00E-11	CL347966	T7	171003257	3.00E-28	212540
RP44_272G1	5	CL347112	T7	173508507	9.00E-33	CL347187	SP6	173663887	1.00E-09	155380
RP44_430A10	5	CL411917	T7	174050463	4.00E-06	CL411998	SP6	174316728	4.00E-16	266265
RP44_363A13	5	CL366892	T7	176061174	5.00E-09	CL366958	SP6	176247093	4.00E-22	185919
RP44_313P10	6	CL352044	T7	1590449	0.004	CL352125	SP6	1872327	4.00E-07	281878
RP44_262G23	6	CL342349	SP6	6924418	5.00E-06	CL342273	T7	7142885	2.00E-05	218467
RP44_445O3	6	CL376695	SP6	7835318	2.00E-76	CL376624	T7	8093839	1.00E-06	258521
RP44_400J7	6	CL365194	SP6	8263511	9.00E-08	CL365109	T7	8536063	0.005	272552
RP44_330C11	6	CL385059	SP6	8939214	2.00E-74	CL384991	T7	9129818	e-109	190604
RP44_431O7	6	CL412470	T7	9662097	7.00E-49	CL412547	SP6	9848607	e-117	186510
RP44_388D4	6	CL363539	T7	9720903	0.005	CL363609	SP6	9971648	2.00E-47	250745
RP44_419D5	6	CL410643	SP6	10972914	2.00E-09	CL410572	T7	11196945	3.00E-16	224031
RP44_437G2	6	CL322927	SP6	12819402	0.004	CL322926	T7	13003086	1.00E-34	183684
RP44_313B22	6	CL351972	T7	13697088	4.00E-16	CL352058	SP6	13865129	2.00E-29	168041
RP44_280F4	6	CL387085	SP6	14732283	8.00E-89	CL345803	T7	14920957	7.00E-12	188674
RP44_309B20	6	CL349733	T7	14733172	3.00E-08	CL349808	SP6	14920957	7.00E-12	187785
RP44_277O13	6	CL343639	T7	15465079	4.00E-04	CL343716	SP6	15651781	2.00E-12	186702
RP44_323L22	6	CL382265	T7	17011668	7.00E-06	CL382344	SP6	17231119	1.00E-07	219451

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RP44_323M21	6	CL381947	SP6	17011668	4.00E-04	CL381882	T7	17231119	1.00E-07	219451
RP44_459P15	6	CL323874	SP6	17462251	3.00E-07	CL323873	T7	17671076	2.00E-53	208825
RP44_330I10	6	CL385230	SP6	19773639	3.00E-26	CL385153	T7	19989296	1.00E-06	215657
RP44_261E7	6	CL341715	SP6	19904106	2.00E-37	CL341640	T7	20114394	2.00E-67	210288
RP44_264E10	6	CL337313	SP6	20660579	3.00E-35	CL337241	T7	20855671	6.00E-06	195092
RP44_251K2	6	CL334298	T7	21045763	1.00E-16	CL334377	SP6	21218355	0.006	172592
RP44_256F6	6	CL339993	T7	21600576	3.00E-50	CL340067	SP6	21835222	4.00E-19	234646
RP44_400L23	6	CL365214	SP6	21854403	4.00E-06	CL365129	T7	22059429	6.00E-09	205026
RP44_326E6	6	CL383429	SP6	22314298	4.00E-22	CL383353	T7	22529264	7.00E-15	214966
RP44_246J21	6	CL327878	SP6	22367584	5.00E-21	CL327808	T7	22605122	2.00E-08	237538
RP44_372J21	6	CL367780	T7	23308509	2.00E-49	CL367842	SP6	23452216	3.00E-47	143707
RP44_310M11	6	CL350020	SP6	24190219	2.00E-46	CL349941	T7	24393595	0.003	203376
RP44_431F14	6	CL412999	SP6	24420219	e-117	CL412903	T7	24627115	6.00E-12	206896
RP44_306L3	6	CL372590	T7	24706326	2.00E-21	CL372676	SP6	24947263	7.00E-12	240937
RP44_304C24	6	CL371599	T7	25736123	1.00E-10	CL371673	SP6	25904625	1.00E-04	168502
RP44_413D9	6	CL357667	T7	27367994	2.00E-08	CL357746	SP6	27623489	3.00E-07	255495
RP44_433O8	6	CL413440	T7	27750788	0.006	CL413528	SP6	28092627	1.00E-13	341839
RP44_408M4	6	CL354755	T7	27893405	1.00E-06	CL354821	SP6	28075699	4.00E-06	182294
RP44_288F19	6	CL368081	T7	32392912	4.00E-04	CL368155	SP6	32725655	4.00E-07	332743
RP44_329K24	6	CL384678	SP6	33972214	4.00E-56	CL384602	T7	34205579	2.00E-33	233365
RP44_409N12	6	CL355509	T7	35589052	2.00E-70	CL355584	SP6	35802524	4.00E-84	213472
RP44_403P1	6	CL353697	T7	35802719	2.00E-36	CL353765	SP6	36027799	1.00E-15	225080
RP44_246J16	6	CL327947	T7	36568756	0	CL328028	SP6	36773228	6.00E-15	204472
RP44_288C8	6	CL390323	SP6	37108568	6.00E-14	CL390252	T7	37311001	2.00E-17	202433
RP44_419P9	6	CL410704	SP6	37248449	2.00E-49	CL410632	T7	37440267	2.00E-21	191818
RP44_471P6	6	CL375618	SP6	37672074	0.001	CL375543	T7	37822821	8.00E-17	150747
RP44_338F9	6	CL359949	T7	37998086	2.00E-24	CL360034	SP6	38219610	5.00E-06	221524
RP44_280P5	6	CL345685	T7	38336711	2.00E-09	CL345773	SP6	38538955	3.00E-17	202244
RP44_413O17	6	CL357485	SP6	38725185	4.00E-38	CL357406	T7	38897788	0.007	172603
RP44_275D11	6	CL348929	T7	39667663	2.00E-52	CL349012	SP6	39834267	1.00E-40	166604
RP44_304J19	6	CL371866	SP6	43915330	2.00E-08	CL371780	T7	44066595	2.00E-07	151265
RP44_394L7	6	CL329601	T7	46623051	8.00E-07	CL329602	SP6	46756916	2.00E-14	133865
RP44_323B18	6	CL382291	SP6	46841007	2.00E-17	CL382210	T7	47002239	2.00E-07	161232
RP44_282O21	6	CL387775	SP6	47856840	0.001	CL387696	T7	48019513	4.00E-56	162673
RP44_469A18	6	CL373829	T7	48777504	2.00E-05	CL373912	SP6	49101539	5.00E-09	324035
RP44_280I7	6	CL345324	SP6	49008762	0.002	CL345324	T7	49400904	4.00E-16	392142
RP44_474N12	6	CL324458	SP6	49427072	8.00E-54	CL324457	T7	49821137	2.00E-23	394065

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RP44_358F8	6	CL366393	SP6	51815739	e-124	CL366324	T7	51972043	3.00E-11	156304
RP44_274H16	6	CL348539	SP6	53701480	8.00E-08	CL348465	T7	53924195	0.006	222715
RP44_416C5	6	CL408803	T7	55144190	2.00E-05	CL408875	SP6	55377680	4.00E-07	233490
RP44_396E17	6	CL364089	T7	56687238	8.00E-42	CL364176	SP6	56893938	5.00E-12	206700
RP44_302H17	6	CL371320	T7	56707222	2.00E-66	CL371402	SP6	56972494	4.00E-06	265272
RP44_276P20	6	CL343483	T7	56826799	4.00E-04	CL343562	SP6	57091838	2.00E-15	265039
RP44_283K1	6	CL387903	SP6	64869526	2.00E-24	CL387823	T7	65087656	3.00E-04	218130
RP44_411O3	6	CL356266	T7	65147690	0.004	CL356331	SP6	65329246	4.00E-06	181556
RP44_271L6	6	CL347050	SP6	65153185	4.00E-65	CL346969	T7	65329246	6.00E-06	176061
RP44_457L7	6	CL323164	SP6	65727287	4.00E-07	CL373546	T7	65947806	6.00E-31	220519
RP44_254B8	6	CL335919	SP6	69317690	2.00E-18	CL335845	T7	69483741	3.00E-08	166051
RP44_284P3	6	CL388385	SP6	69483665	2.00E-08	CL388301	T7	69635591	e-105	151926
RP44_436O10	6	CL414230	T7	69654582	7.00E-36	CL414308	SP6	69826466	8.00E-04	171884
RP44_403N19	6	CL353762	SP6	70499422	2.00E-12	CL353694	T7	70654692	1.00E-35	155270
RP44_273D4	6	CL347976	T7	70728294	6.00E-09	CL348053	SP6	70870040	1.00E-09	141746
RP44_289I19	6	CL368394	T7	70915185	1.00E-25	CL368480	SP6	71136144	2.00E-18	220959
RP44_289J8	6	CL368879	T7	71366973	6.00E-06	CL368961	SP6	71545571	0.006	178598
RP44_251N19	6	CL334545	SP6	72173065	8.00E-55	CL334468	T7	72408081	0.001	235016
RP44_284L8	6	CL388519	SP6	72654046	3.00E-21	CL388447	T7	72910913	2.00E-70	256867
RP44_396H8	6	CL364538	T7	72911058	5.00E-58	CL364597	SP6	73085034	3.00E-09	173976
RP44_252A21	6	CL334697	T7	73158589	3.00E-10	CL334778	SP6	73351449	4.00E-65	192860
RP44_248A18	6	CL328215	T7	73402969	6.00E-12	CL328298	SP6	73610253	8.00E-36	207284
RP44_430K3	6	CL411799	T7	75017333	1.00E-37	CL411882	SP6	75291478	4.00E-07	274145
RP44_271L20	6	CL346974	T7	79222617	0.001	CL347057	SP6	79471267	1.00E-06	248650
RP44_413A12	6	CL357492	T7	79273168	4.00E-07	CL357576	SP6	79471267	4.00E-07	198099
RP44_334L11	6	CL386613	T7	80473158	9.00E-51	CL386681	SP6	80579338	9.00E-17	106180
RP44_306D20	6	CL372808	SP6	82066433	6.00E-43	CL372726	T7	82232371	6.00E-71	165938
RP44_426H19	6	CL379341	T7	84031469	7.00E-18	CL379422	SP6	84217873	0.001	186404
RP44_274L10	6	CL348558	SP6	84172833	2.00E-11	CL348481	T7	84374735	8.00E-21	201902
RP44_286M21	6	CL389055	T7	85181860	5.00E-26	CL389138	SP6	85408322	3.00E-73	226462
RP44_373B4	6	CL328764	T7	85458292	1.00E-16	CL328765	SP6	85676850	e-102	218558
RP44_358D15	6	CL366245	SP6	85718558	2.00E-46	CL366174	T7	85900965	4.00E-56	182407
RP44_405O3	6	CL354034	SP6	87595499	1.00E-17	CL353959	T7	87811076	2.00E-10	215577
RP44_294J1	6	CL370123	T7	88840785	7.00E-05	CL370193	SP6	89040869	1.00E-52	200084
RP44_253O13	6	CL335280	SP6	89445304	e-117	CL335217	T7	89748064	2.00E-11	302760
RP44_423G16	6	CL378109	T7	90533959	1.00E-11	CL378166	SP6	90738203	1.00E-20	204244
RP44_329I9	6	CL384511	SP6	90806905	4.00E-87	CL384427	T7	90988073	e-132	181168

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_429N13	6	CL411732	SP6	90823230	3.00E-04	CL380733	T7	90989637	1.00E-80	166407
RP44_470E15	6	CL374421	SP6	90854646	5.00E-31	CL374338	T7	91048183	6.00E-12	193537
RP44_334B5	6	CL386639	SP6	90877228	1.00E-22	CL386570	T7	91043961	5.00E-12	166733
RP44_291K14	6	CL369489	T7	91044123	3.00E-45	CL369551	SP6	91231328	3.00E-17	187205
RP44_339I9	6	CL360254	T7	91811561	9.00E-05	CL360314	SP6	91997814	9.00E-11	186253
RP44_309I19	6	CL349384	SP6	91851795	7.00E-24	CL349307	T7	92097981	e-135	246186
RP44_311H1	6	CL350930	SP6	91912407	1.00E-06	CL350848	T7	92137120	0.005	224713
RP44_310P7	6	CL350267	T7	91939972	0	CL350343	SP6	92146004	9.00E-27	206032
RP44_333A14	6	CL386153	T7	92487843	2.00E-55	CL386213	SP6	92692566	2.00E-09	204723
RP44_288K19	6	CL390129	T7	92570857	6.00E-06	CL390215	SP6	92777783	5.00E-06	206926
RP44_308H14	6	CL349146	T7	92577537	e-147	CL349223	SP6	92777421	2.00E-11	199884
RP44_305N15	6	CL372274	T7	92778597	0.002	CL372355	SP6	92992526	5.00E-41	213929
RP44_325B3	6	CL383073	SP6	92793037	7.00E-18	CL382989	T7	92992510	1.00E-12	199473
RP44_332C2	6	CL385779	SP6	93518792	5.00E-37	CL385710	T7	93673253	5.00E-06	154461
RP44_388B10	6	CL363531	T7	93740485	8.00E-17	CL363605	SP6	93933691	2.00E-18	193206
RP44_362H19	6	CL366625	T7	93949662	2.00E-09	CL366700	SP6	94119333	1.00E-56	169671
RP44_281M3	6	CL387208	T7	94029723	3.00E-20	CL387281	SP6	94172040	1.00E-04	142317
RP44_285O11	6	CL388622	T7	94212980	6.00E-62	CL388697	SP6	94449660	4.00E-07	236680
RP44_413H5	6	CL357683	T7	95295268	9.00E-45	CL357763	SP6	95498416	4.00E-04	203148
RP44_409I22	6	CL355264	SP6	96237846	7.00E-15	CL355185	T7	96467809	2.00E-09	229963
RP44_309C9	6	CL349356	SP6	97183835	3.00E-08	CL349275	T7	97323090	0.006	139255
RP44_396N19	6	CL364505	SP6	97891977	1.00E-25	CL364442	T7	98049487	1.00E-07	157510
RP44_429K7	6	CL380380	T7	98107453	5.00E-10	CL380467	SP6	98271580	e-115	164127
RP44_470B20	6	CL374909	SP6	98734733	e-112	CL374833	T7	98948588	6.00E-37	213855
RP44_470B21	6	CL374746	SP6	98734733	e-112	CL374664	T7	98948587	2.00E-36	213854
RP44_244O9	6	CL326685	T7	98844428	1.00E-40	CL326758	SP6	99069850	e-180	225422
RP44_278H15	6	CL344456	SP6	99308593	4.00E-47	CL344372	T7	99513507	e-141	204914
RP44_408G10	6	CL354729	T7	99513688	3.00E-10	CL354798	SP6	99749142	2.00E-08	235454
RP44_262N12	6	CL336478	T7	99846610	0	CL336365	SP6	100040163	1.00E-10	193553
RP44_329G12	6	CL384655	SP6	99865319	4.00E-04	CL384578	T7	100040743	2.00E-12	175424
RP44_276J2	6	CL343524	SP6	100309635	9.00E-08	CL343442	T7	100547715	1.00E-13	238080
RP44_401N15	6	CL352636	T7	101551178	0.005	CL352714	SP6	101792565	7.00E-06	241387
RP44_248N3	6	CL328504	SP6	101702062	2.00E-15	CL328427	T7	101870776	0.006	168714
RP44_246O20	6	CL327773	SP6	102254077	2.00E-09	CL327692	T7	102475151	e-118	221074
RP44_380K3	6	CL362625	SP6	102430111	0.002	CL362550	T7	102611850	2.00E-24	181739
RP44_281H5	6	CL387573	SP6	103561258	2.00E-08	CL387488	T7	103779500	4.00E-10	218242
RP44_323F20	6	CL382311	SP6	104073782	2.00E-15	CL382231	T7	104215486	3.00E-08	141704

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RP44_409F3	6	CL355398	SP6	104783129	8.00E-39	CL355318	T7	104958218	1.00E-34	175089
RP44_243L8	6	CL326599	SP6	104819860	2.00E-15	CL326527	T7	104998839	7.00E-42	178979
RP44_311E11	6	CL350538	T7	104968062	1.00E-08	CL350614	SP6	105141039	2.00E-13	172977
RP44_458M11	6	CL323402	SP6	107846695	1.00E-07	CL323401	T7	107989037	4.00E-93	142342
RP44_253A8	6	CL335286	T7	108237265	3.00E-11	CL335355	SP6	108438012	4.00E-93	200747
RP44_423M6	6	CL378189	SP6	108740821	3.00E-23	CL378127	T7	108903533	0.004	162712
RP44_408H5	6	CL354959	SP6	109292645	6.00E-08	CL354874	T7	109488485	2.00E-21	195840
RP44_275M18	6	CL348900	SP6	111041868	0.005	CL348809	T7	111255914	1.00E-25	214046
RP44_445B15	6	CL376795	SP6	111441307	7.00E-09	CL376711	T7	111621310	6.00E-95	180003
RP44_383G10	6	CL363137	T7	111946976	2.00E-23	CL363216	SP6	112124959	1.00E-15	177983
RP44_383E10	6	CL363130	T7	111947024	5.00E-14	CL363207	SP6	112124959	1.00E-15	177935
RP44_432N2	6	CL413337	SP6	112291168	0.005	CL413260	T7	112454865	3.00E-51	163697
RP44_275J15	6	CL349044	SP6	114290603	0.002	CL348962	T7	114482944	2.00E-64	192341
RP44_255C21	6	CL336083	SP6	114648019	4.00E-41	CL336006	T7	114815722	4.00E-10	167703
RP44_248A9	6	CL328139	SP6	114690023	1.00E-06	CL328068	T7	130840047	3.00E-32	16150024
RP44_422D12	6	CL377966	T7	115863671	e-121	CL378030	SP6	116059851	0.002	196180
RP44_392O16	6	CL363918	SP6	116699310	4.00E-10	CL363848	T7	116875463	e-154	176153
RP44_284D8	6	CL388408	T7	117209515	4.00E-38	CL388486	SP6	117478284	3.00E-24	268769
RP44_424G12	6	CL378435	SP6	117643540	2.00E-43	CL378372	T7	117856586	7.00E-46	213046
RP44_256O19	6	CL339749	T7	119216605	5.00E-28	CL339823	SP6	119443973	1.00E-28	227368
RP44_310O13	6	CL349949	T7	119259190	3.00E-51	CL350030	SP6	119443971	1.00E-28	184781
RP44_328J12	6	CL384347	SP6	119789676	2.00E-08	CL384263	T7	119914512	4.00E-09	124836
RP44_288O5	6	CL390230	SP6	119903878	6.00E-46	CL390144	T7	119939541	9.00E-08	35663
RP44_337C24	6	CL359663	T7	121367374	2.00E-08	CL359725	SP6	121589177	0.005	221803
RP44_470K15	6	CL374366	T7	121934355	4.00E-09	CL374454	SP6	122148721	5.00E-06	214366
RP44_268E16	6	CL339072	T7	122495452	0.001	CL339140	SP6	122680677	3.00E-11	185225
RP44_307F23	6	CL373038	T7	123529599	4.00E-04	CL373123	SP6	123753538	e-108	223939
RP44_470N11	6	CL374722	T7	123693173	1.00E-06	CL374808	SP6	123859963	0.004	166790
RP44_261A24	6	CL341784	T7	123879260	7.00E-39	CL341870	SP6	124071478	1.00E-10	192218
RP44_413E4	6	CL357592	SP6	123932613	6.00E-09	CL357508	T7	124104502	5.00E-06	171889
RP44_394B8	6	CL329660	SP6	124632469	6.00E-12	CL329659	T7	124763679	9.00E-05	131210
RP44_377K18	6	CL362478	SP6	124729629	7.00E-15	CL362398	T7	124873964	7.00E-15	144335
RP44_246I2	6	CL327657	T7	125625844	7.00E-24	CL327734	SP6	125811450	5.00E-28	185606
RP44_401D21	6	CL352664	SP6	125677943	7.00E-49	CL352585	T7	125871963	e-119	194020
RP44_257F21	6	CL340516	SP6	125776895	0.001	CL340451	T7	125997910	4.00E-16	221015
RP44_266A24	6	CL338557	SP6	126558082	2.00E-12	CL338479	T7	126793558	3.00E-14	235476
RP44_314D11	6	CL380971	SP6	127165117	7.00E-09	CL380886	T7	127290527	0.002	125410

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RP44_252K22	6	CL334963	SP6	127262416	9.00E-05	CL334896	T7	127433008	8.00E-17	170592
RP44_431P1	6	CL412881	SP6	127570793	6.00E-43	CL412801	T7	127751081	1.00E-13	180288
RP44_249E2	6	CL333272	T7	128079994	3.00E-04	CL333330	SP6	128220028	5.00E-36	140034
RP44_414G14	6	CL358149	T7	128533743	3.00E-23	CL358225	SP6	128713908	2.00E-11	180165
RP44_429C17	6	CL380343	T7	129513941	1.00E-28	CL380429	SP6	129697313	e-127	183372
RP44_241F10	6	CL325566	T7	130115737	1.00E-55	CL325636	SP6	130300243	1.00E-28	184506
RP44_314O21	6	CL352204	T7	130369678	1.00E-35	CL352272	SP6	130613332	4.00E-04	243654
RP44_457D3	6	CL373507	T7	132393217	5.00E-13	CL323123	SP6	132551677	9.00E-11	158460
RP44_413F19	6	CL357759	SP6	132667698	6.00E-06	CL357680	T7	132845910	1.00E-04	178212
RP44_429C7	6	CL380338	T7	133423236	0.006	CL380424	SP6	133486662	7.00E-09	63426
RP44_401L9	6	CL352701	SP6	134892561	1.00E-10	CL352624	T7	135109748	2.00E-30	217187
RP44_423O20	6	CL378207	SP6	135644537	3.00E-17	CL378141	T7	135897881	1.00E-19	253344
RP44_382J15	6	CL329006	T7	135804420	2.00E-11	CL329007	SP6	135990710	6.00E-18	186290
RP44_251L8	6	CL334665	SP6	136129026	2.00E-08	CL334596	T7	136313929	2.00E-13	184903
RP44_416A21	6	CL408801	T7	136954320	3.00E-05	CL408873	SP6	137146206	9.00E-07	191886
RP44_396F5	6	CL364404	T7	139701815	3.00E-53	CL364467	SP6	139869298	7.00E-05	167483
RP44_430C6	6	CL411925	T7	139708582	4.00E-27	CL412006	SP6	139883489	e-108	174907
RP44_287E21	6	CL389713	SP6	140731683	4.00E-13	CL389636	T7	140924455	8.00E-08	192772
RP44_413M20	6	CL357641	SP6	141703862	3.00E-05	CL357559	T7	141898866	1.00E-87	195004
RP44_304B11	6	CL371819	SP6	141719226	3.00E-14	CL371735	T7	141884848	3.00E-11	165622
RP44_246C17	6	CL327489	T7	141968686	8.00E-17	CL327561	SP6	142243182	1.00E-06	274496
RP44_416F16	6	CL409182	SP6	142653952	1.00E-12	CL409118	T7	142922873	0.007	268921
RP44_418K22	6	CL409993	T7	143542450	3.00E-63	CL410082	SP6	143745276	2.00E-08	202826
RP44_457A2	6	CL377691	T7	144655751	4.00E-47	CL377773	SP6	144825060	4.00E-07	169309
RP44_469D13	6	CL374088	SP6	144845297	8.00E-36	CL374000	T7	145035325	9.00E-85	190028
RP44_367G18	6	CL367404	SP6	144873341	4.00E-13	CL367326	T7	145036864	2.00E-21	163523
RP44_288B4	6	CL368206	T7	144885213	3.00E-04	CL368281	SP6	145062777	3.00E-07	177564
RP44_273F20	6	CL347992	T7	144934702	4.00E-74	CL348066	SP6	145152666	1.00E-13	217964
RP44_314D5	6	CL380968	SP6	145885100	0.005	CL380883	T7	146055271	1.00E-28	170171
RP44_305F15	6	CL372232	T7	146068739	8.00E-15	CL372316	SP6	146244577	2.00E-12	175838
RP44_312A11	6	CL351149	T7	146141071	2.00E-11	CL351235	SP6	146313238	7.00E-97	172167
RP44_248L8	6	CL328580	T7	148202591	1.00E-07	CL333075	SP6	148336833	5.00E-28	134242
RP44_309A6	6	CL349502	SP6	151778902	6.00E-09	CL349422	T7	152005194	9.00E-05	226292
RP44_275N24	6	CL342890	SP6	152022831	0.002	CL342805	T7	152227257	2.00E-06	204426
RP44_415K16	6	CL408447	SP6	152846105	6.00E-09	CL358805	T7	153089972	6.00E-12	243867
RP44_375C15	6	CL362153	SP6	153210330	1.00E-06	CL368008	T7	153347683	2.00E-05	137353
RP44_273O1	6	CL347811	SP6	154332160	8.00E-05	CL347728	T7	154524009	3.00E-23	191849

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RP44_433K12	6	CL413508	SP6	155250023	4.00E-10	CL413422	T7	155473322	7.00E-09	223299
RP44_263F24	6	CL336919	T7	155717400	1.00E-47	CL337000	SP6	155863411	9.00E-11	146011
RP44_414D12	6	CL358521	SP6	155837504	5.00E-31	CL358437	T7	156022112	2.00E-98	184608
RP44_275A15	6	CL348586	T7	156022528	2.00E-55	CL348663	SP6	156222369	4.00E-07	199841
RP44_420P3	6	CL411213	T7	156271904	1.00E-12	CL411298	SP6	156493577	4.00E-84	221673
RP44_469K23	6	CL373709	T7	156812009	e-127	CL373797	SP6	156996267	6.00E-12	184258
RP44_275I12	6	CL348783	T7	157272362	2.00E-12	CL348874	SP6	157427915	4.00E-44	155553
RP44_325G9	6	CL382708	T7	157419407	e-115	CL382789	SP6	157550546	0.001	131139
RP44_436D22	6	CL375662	T7	159317060	2.00E-06	CL375744	SP6	159506000	6.00E-12	188940
RP44_431A6	6	CL412557	T7	162873008	e-119	CL412642	SP6	163070384	1.00E-04	197376
RP44_358C6	6	CL366095	SP6	163508803	2.00E-20	CL366033	T7	163704222	1.00E-12	195419
RP44_264I1	6	CL337093	T7	165696010	5.00E-08	CL337174	SP6	165919088	0.001	223078
RP44_246I24	7	CL327743	SP6	2662138	9.00E-05	CL327664	T7	2865430	2.00E-15	203292
RP44_306D1	7	CL372547	T7	7537801	1.00E-13	CL372633	SP6	7734774	2.00E-70	196973
RP44_396M5	7	CL364127	T7	7997763	5.00E-18	CL364214	SP6	8190728	e-112	192965
RP44_354M13	7	CL365650	SP6	10683409	6.00E-58	CL365590	T7	10860771	1.00E-74	177362
RP44_270N15	7	CL346346	T7	11129059	4.00E-71	CL346422	SP6	11328259	9.00E-23	199200
RP44_313J21	7	CL351931	SP6	11172420	3.00E-14	CL351848	T7	11271411	0.007	98991
RP44_271B21	7	CL346764	T7	12626248	4.00E-07	CL346846	SP6	12778174	6.00E-12	151926
RP44_417K13	7	CL409354	SP6	13073665	7.00E-12	CL409276	T7	13217577	0	143912
RP44_367J19	7	CL367582	SP6	13129920	2.00E-06	CL367500	T7	13282388	5.00E-96	152468
RP44_413B7	7	CL357736	SP6	14766801	6.00E-77	CL357656	T7	14971366	4.00E-84	204565
RP44_433G8	7	CL413399	T7	15332936	3.00E-17	CL413486	SP6	15502551	3.00E-04	169615
RP44_296E19	7	CL370627	T7	15769861	9.00E-07	CL370706	SP6	15965539	7.00E-14	195678
RP44_272H17	7	CL347445	T7	16399334	1.00E-11	CL347520	SP6	16561946	5.00E-06	162612
RP44_367I14	7	CL367335	T7	17172508	7.00E-12	CL367412	SP6	17274693	0.002	102185
RP44_415O4	7	CL358821	T7	17294030	1.00E-10	CL408462	SP6	17473221	1.00E-37	179191
RP44_383I6	7	CL363224	SP6	17657753	3.00E-08	CL363146	T7	17843636	1.00E-71	185883
RP44_272G14	7	CL347274	T7	17799188	4.00E-07	CL347359	SP6	17986501	8.00E-24	187313
RP44_258P23	7	CL340788	T7	18131200	2.00E-06	CL340863	SP6	18287415	1.00E-10	156215
RP44_255A9	7	CL336067	SP6	18367667	0.005	CL335992	T7	18514205	2.00E-06	146538
RP44_301E13	7	CL371012	T7	18681014	3.00E-07	CL371081	SP6	18863465	1.00E-09	182451
RP44_280J2	7	CL387106	SP6	20105557	2.00E-20	CL345824	T7	20256577	7.00E-09	151020
RP44_329F17	7	CL384725	T7	21176831	e-102	CL384802	SP6	21358201	1.00E-07	181370
RP44_398H11	7	CL364755	SP6	21385771	2.00E-66	CL364673	T7	21562231	0.007	176460
RP44_336H17	7	CL359357	SP6	21392733	2.00E-15	CL359279	T7	21556241	e-132	163508
RP44_457O23	7	CL377608	T7	21765887	e-117	CL377690	SP6	21966232	6.00E-12	200345

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_358N5	7	CL366283	SP6	21937258	1.00E-07	CL366216	T7	22114203	5.00E-12	176945
RP44_408D15	7	CL354856	T7	22065897	1.00E-07	CL354943	SP6	22290743	2.00E-08	224846
RP44_402E6	7	CL353142	SP6	22896415	1.00E-09	CL353064	T7	23048921	1.00E-16	152506
RP44_353D21	7	CL362078	SP6	23533384	1.00E-40	CL362006	T7	23791706	1.00E-13	258322
RP44_432P14	7	CL413277	T7	24061308	2.00E-68	CL413355	SP6	24229758	7.00E-12	168450
RP44_254I21	7	CL335741	T7	24450626	2.00E-29	CL335812	SP6	24642437	2.00E-05	191811
RP44_343A1	7	CL360918	SP6	25111956	5.00E-21	CL360846	T7	25298654	e-148	186698
RP44_396L21	7	CL364498	SP6	25595539	1.00E-33	CL364435	T7	25831195	1.00E-16	235656
RP44_280H9	7	CL345734	SP6	25725123	2.00E-23	CL345647	T7	25922620	0.001	197497
RP44_246E3	7	CL327566	SP6	26097487	5.00E-71	CL327493	T7	26276396	0.001	178909
RP44_311J19	7	CL350960	SP6	26159311	1.00E-06	CL350867	T7	26333149	0	173838
RP44_375M15	7	CL362134	T7	26292085	2.00E-26	CL362191	SP6	26486780	5.00E-46	194695
RP44_428N16	7	CL380218	T7	27007205	0.006	CL380308	SP6	27184321	6.00E-09	177116
RP44_314O11	7	CL352200	T7	27084997	0.001	CL352268	SP6	27279339	5.00E-93	194342
RP44_382B12	7	CL329079		27103882	4.00E-83	CL329080	SP6	27285567	0	181685
RP44_271O6	7	CL346672	T7	27940919	5.00E-25	CL346749	SP6	28120566	6.00E-74	179647
RP44_309H21	7	CL349614	T7	27940926	3.00E-23	CL349687	SP6	28068319	4.00E-07	127393
RP44_276I8	7	CL343119	T7	28387390	0.008	CL343208	SP6	28569309	2.00E-23	181919
RP44_311F6	7	CL351084	SP6	28463618	3.00E-17	CL351002	T7	28613942	2.00E-17	150324
RP44_374J17	7	CL367898	SP6	28953127	9.00E-05	CL367966	SP6	29104948	1.00E-12	151821
RP44_382L4	7	CL329173	T7	28963987	8.00E-50	CL329174	SP6	29141303	9.00E-07	177316
RP44_314J18	7	CL381160	SP6	28998130	7.00E-89	CL381077	T7	29192889	4.00E-04	194759
RP44_278G22	7	CL344212	T7	29790660	2.00E-12	CL344292	SP6	30000343	3.00E-22	209683
RP44_281I3	7	CL387188	T7	30076838	3.00E-11	CL387260	SP6	30242297	0.006	165459
RP44_248F1	7	CL328390	T7	30503721	1.00E-10	CL328465	SP6	30723991	3.00E-26	220270
RP44_281F15	7	CL387481	T7	31101882	6.00E-06	CL387566	SP6	31314840	1.00E-04	212958
RP44_305B4	7	CL372454	SP6	32938332	5.00E-37	CL372371	T7	33119765	4.00E-04	181433
RP44_388B15	7	CL363401	T7	32942452	6.00E-09	CL363464	SP6	33119183	7.00E-12	176731
RP44_253G11	7	CL335248	SP6	33123805	1.00E-12	CL335180	T7	33326748	5.00E-37	202943
RP44_245M3	7	CL327107	T7	33123812	9.00E-11	CL327181	SP6	33298628	7.00E-15	174816
RP44_425G14	7	CL378914	T7	33501468	1.00E-06	CL378985	SP6	33682461	3.00E-29	180993
RP44_330N4	7	CL385463	T7	33558305	1.00E-13	CL385544	SP6	33699751	3.00E-08	141446
RP44_356O11	7	CL365834	T7	36073270	e-101	CL365904	SP6	36186005	1.00E-31	112735
RP44_297F23	7	CL439664	T7	36373037	7.00E-11			36618523	0.002	245486
RP44_284L5	7	CL388365	SP6	36600685	7.00E-07	CL388282	T7	36748000	1.00E-18	147315
RP44_269K18	7	CL345978	SP6	38845634	4.00E-09	CL345903	T7	39050442	8.00E-04	204808
RP44_337C22	7	CL359662	T7	38875281	3.00E-30	CL359724	SP6	39048627	4.00E-31	173346

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RP44_332J15	7	CL385890	T7	41247104	2.00E-08	CL385965	SP6	41410908	0.001	163804
RP44_288I6	7	CL390277	T7	44319959	5.00E-49	CL390356	SP6	44613959	9.00E-14	294000
RP44_339O19	7	CL360277	T7	53722846	7.00E-27	CL360341	SP6	54016925	1.00E-04	294079
RP44_269G16	7	CL345883	T7	67490506	2.00E-39	CL345957	SP6	67794197	1.00E-06	303691
RP44_380E15	7	CL362528	T7	67528444	e-107	CL362603	SP6	67794197	1.00E-06	265753
RP44_422C22	7	CL411575	SP6	68459005	1.00E-09	CL411500	T7	68634305	2.00E-18	175300
RP44_287C21	7	CL389628	T7	68487747	2.00E-30	CL389705	SP6	68654098	6.00E-09	166351
RP44_430N3	7	CL412139	SP6	68884978	1.00E-71	CL412215	T7	69055785	4.00E-13	170807
RP44_417G5	7	CL409250	T7	69198165	e-100	CL409333	SP6	69406520	2.00E-11	208355
RP44_251M1	7	CL334153	T7	69239871	2.00E-88	CL334235	SP6	69467609	2.00E-05	227738
RP44_324A3	7	CL382367	T7	76679090	1.00E-10	CL382447	SP6	76885813	7.00E-06	206723
RP44_310M4	7	CL350180	SP6	77116950	7.00E-15	CL350098	T7	77289201	0.007	172251
RP44_416I12	7	CL322679	T7	77267140	1.00E-92	CL322680	SP6	77443457	9.00E-14	176317
RP44_394E6	7	CL329409	T7	78418109	2.00E-14	CL329410	SP6	78630222	0.005	212113
RP44_286A2	7	CL389151	T7	78530431	5.00E-09	CL389227	SP6	78690598	6.00E-18	160167
RP44_327L16	7	CL384043	SP6	79568886	2.00E-21	CL383972	T7	79701949	4.00E-44	133063
RP44_329M4	7	CL384604	T7	79776522	5.00E-96	CL384680	SP6	119967790	0.006	40191268
RP44_287E2	7	CL389775	T7	80033198	6.00E-09	CL389860	SP6	80213681	2.00E-06	180483
RP44_305L12	7	CL372510	SP6	82332375	4.00E-07	CL372428	T7	82516062	2.00E-09	183687
RP44_338G5	7	CL359880	SP6	83316536	3.00E-54	CL359798	T7	83504639	2.00E-09	188103
RP44_443L11	7	CL376263	SP6	83331913	0.006	CL376193	T7	83496342	2.00E-42	164429
RP44_259I12	7	CL341046	T7	83768549	4.00E-07	CL341114	SP6	83916213	9.00E-39	147664
RP44_335B1	7	CL359010	SP6	85529724	6.00E-15	CL358928	T7	85666233	4.00E-16	136509
RP44_401H16	7	CL352769	T7	86022436	1.00E-07	CL352850	SP6	86220472	1.00E-04	198036
RP44_262C10	7	CL342488	SP6	87339120	2.00E-24	CL342408	T7	87556609	0.006	217489
RP44_426G9	7	CL379062	T7	87437516	5.00E-59	CL379149	SP6	87624278	3.00E-05	186762
RP44_436P17	7	CL375640	SP6	87438396	6.00E-46	CL414390	T7	87624278	5.00E-07	185882
RP44_409L3	7	CL355430	SP6	87682881	3.00E-04	CL355349	T7	87899612	2.00E-09	216731
RP44_433M20	7	CL413523	SP6	88086409	2.00E-06	CL413435	T7	88300042	4.00E-04	213633
RP44_257H18	7	CL340664	SP6	88146836	6.00E-09	CL340590	T7	88359253	3.00E-07	212417
RP44_338L11	7	CL359981	T7	89492777	3.00E-51	CL360065	SP6	89706902	4.00E-15	214125
RP44_256H15	7	CL339861	T7	89543674	0.002	CL339938	SP6	89736611	6.00E-12	192937
RP44_332K22	7	CL385825	SP6	89791055	7.00E-21	CL385753	T7	89928827	9.00E-23	137772
RP44_243I20	7	CL326309	T7	89912091	4.00E-06	CL326373	SP6	90085344	3.00E-38	173253
RP44_306H14	7	CL372743	T7	89933883	2.00E-08	CL372826	SP6	90133763	4.00E-31	199880
RP44_290E14	7	CL369279	SP6	90364397	3.00E-22	CL369190	T7	90566693	8.00E-08	202296
RP44_305J22	7	CL372421	T7	90921032	2.00E-18	CL372505	SP6	91182790	4.00E-04	261758

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RP44_330J12	7	CL385526	SP6	91452783	1.00E-28	CL385449	T7	91615628	e-113	162845
RP44_424B19	7	CL378477	T7	91646259	2.00E-20	CL378537	SP6	91848174	2.00E-12	201915
RP44_288J15	7	CL368099	T7	93505133	8.00E-05	CL368172	SP6	93718618	4.00E-13	213485
RP44_410F19	7	CL355982	SP6	94147071	5.00E-06	CL355898	T7	94338985	1.00E-50	191914
RP44_445A13	7	CL376566	T7	95418077	2.00E-82	CL376641	SP6	95656310	1.00E-60	238233
RP44_270O13	7	CL346271	SP6	95676321	2.00E-46	CL346200	T7	95806842	1.00E-81	130521
RP44_426L3	7	CL379434	SP6	95676321	3.00E-47	CL379354	T7	95868600	6.00E-06	192279
RP44_415G24	7	CL358788	T7	95748188	0	CL408429	SP6	95955909	2.00E-30	207721
RP44_405N16	7	CL354190	T7	95883674	3.00E-29	CL354243	SP6	96037506	6.00E-39	153832
RP44_414J18	7	CL358470	T7	96018211	2.00E-05	CL358554	SP6	96224998	e-118	206787
RP44_416P24	7	CL409216	SP6	96018211	1.00E-05	CL409162	T7	96230400	4.00E-25	212189
RP44_431N14	7	CL413035	SP6	96019696	9.00E-14	CL412958	T7	96190300	e-117	170604
RP44_476C22	7	CL324625	T7	96050220	6.00E-61	CL324626	SP6	96225022	e-126	174802
RP44_285A3	7	CL388628	SP6	99381413	2.00E-49	CL388546	T7	99605379	3.00E-26	223966
RP44_404C14	7	CL322239	T7	99605897	4.00E-06	CL322240	SP6	99784022	8.00E-04	178125
RP44_402K13	7	CL352943	T7	100840354	1.00E-25	CL353017	SP6	101093454	2.00E-15	253100
RP44_382H9	7	CL328980	SP6	102763938	2.00E-12	CL328979	T7	102923783	2.00E-58	159845
RP44_353H14	7	CL365489	SP6	102788239	2.00E-08	CL365415	T7	102921807	1.00E-25	133568
RP44_413A5	7	CL357409	SP6	102847425	8.00E-06	CL357331	T7	102998654	6.00E-77	151229
RP44_418I2	7	CL409976	T7	102998708	3.00E-63	CL410062	SP6	103160016	2.00E-14	161308
RP44_283M11	7	CL387839	T7	103134233	9.00E-08	CL387917	SP6	103332015	3.00E-07	197782
RP44_423F2	7	CL378287	SP6	103243826	8.00E-14	CL378221	T7	103456124	0.001	212298
RP44_311C6	7	CL350674	T7	104685749	9.00E-05	CL350749	SP6	104901065	6.00E-21	215316
RP44_275G21	7	CL348693	SP6	105839359	5.00E-07	CL348617	T7	106051210	3.00E-19	211851
RP44_413O5	7	CL357479	SP6	107314603	3.00E-14	CL357400	T7	107467978	4.00E-38	153375
RP44_389P3	7	CL363789	T7	107787102	2.00E-09	CL363724	SP6	108009784	1.00E-13	222682
RP44_469G7	7	CL373768	SP6	108234670	7.00E-49	CL373680	T7	108482382	4.00E-44	247712
RP44_252I22	7	CL334886	T7	109010339	1.00E-10	CL334953	SP6	109184138	2.00E-05	173799
RP44_414H8	7	CL358456	T7	109010339	8.00E-11	CL358540	SP6	109258436	1.00E-40	248097
RP44_335G6	7	CL387009	T7	109141086	4.00E-07	CL358879	SP6	109383409	1.00E-06	242323
RP44_266G8	7	CL338500	T7	109186787	1.00E-10	CL338582	SP6	109438790	2.00E-15	252003
RP44_449L16	7	CL377503	SP6	109450990	4.00E-13	CL377428	T7	109676458	8.00E-14	225468
RP44_364M19	7	CL367085	T7	110392543	5.00E-59	CL367159	SP6	110574458	e-155	181915
RP44_469H17	7	CL374024	T7	110392543	2.00E-46	CL374110	SP6	110574458	e-124	181915
RP44_458L12	7	CL323698	SP6	110439132	8.00E-30	CL323697	T7	110595873	6.00E-28	156741
RP44_412C4	7	CL356883	T7	110737792	3.00E-13	CL356960	SP6	110962138	4.00E-06	224346
RP44_408B23	7	CL354849	T7	111074656	1.00E-10	CL354936	SP6	111279727	7.00E-48	205071

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RP44_469L4	7	CL374203	T7	111327484	0.001	CL374283	SP6	111490813	3.00E-26	163329
RP44_358G12	7	CL366117	SP6	111782188	4.00E-04	CL366055	T7	111954354	e-179	172166
RP44_275M6	7	CL348803	T7	112280214	1.00E-13	CL348894	SP6	112466595	2.00E-06	186381
RP44_309C12	7	CL349433	T7	112387334	8.00E-21	CL349512	SP6	112590274	2.00E-24	202940
RP44_458K2	7	CL323516	SP6	112711696	4.00E-04	CL323515	T7	112902228	3.00E-73	190532
RP44_436N12	7	CL375793	SP6	112843562	8.00E-05	CL375709	T7	113053420	3.00E-17	209858
RP44_422M8	7	CL411541	T7	112865368	3.00E-07	CL411623	SP6	113086099	3.00E-07	220731
RP44_382N4	7	CL329189	T7	113517697	0	CL329190	SP6	113683520	0	165823
RP44_272C8	7	CL347336	SP6	113600083	3.00E-45	CL347250	T7	113805335	2.00E-31	205252
RP44_362E12	7	CL366465	T7	113705825	3.00E-11	CL366538	SP6	113868629	0	162804
RP44_333B8	7	CL386370	SP6	113710188	2.00E-06	CL386286	T7	113877779	0.006	167591
RP44_377K6	7	CL362472	SP6	113785779	7.00E-21	CL362392	T7	113983799	e-138	198020
RP44_267O2	7	CL338848	T7	113965388	2.00E-82	CL338922	SP6	114127597	e-117	162209
RP44_278D9	7	CL344348	T7	114222089	1.00E-10	CL344433	SP6	114380305	0.002	158216
RP44_311K6	7	CL350790	SP6	114260907	4.00E-07	CL350713	T7	114414903	4.00E-35	153996
RP44_457L9	7	CL323165	SP6	114359096	e-130	CL373547	T7	114507349	1.00E-09	148253
RP44_246O8	7	CL327767	SP6	114659516	2.00E-21	CL327686	T7	114826530	1.00E-04	167014
RP44_412I24	7	CL356990	SP6	114864837	3.00E-07	CL356920	T7	115016734	3.00E-07	151897
RP44_279B14	7	CL345125	T7	115050625	3.00E-97	CL345204	SP6	115293651	2.00E-11	243026
RP44_388H11	7	CL363488	SP6	115055327	0	CL363421	T7	115281341	3.00E-91	226014
RP44_337A9	7	CL359520	T7	115092834	3.00E-13	CL359584	SP6	115293657	6.00E-15	200823
RP44_380C5	7	CL362513	T7	115120006	1.00E-07	CL362589	SP6	115286057	4.00E-04	166051
RP44_244I12	7	CL326882	SP6	115374190	e-117	CL326807	T7	115584685	5.00E-06	210495
RP44_276E22	7	CL343191	SP6	115510845	7.00E-06	CL343102	T7	115724734	8.00E-27	213889
RP44_251G7	7	CL334126	T7	115575367	4.00E-13	CL334207	SP6	115773660	2.00E-46	198293
RP44_289A14	7	CL368519	T7	115681340	4.00E-18	CL368600	SP6	115868497	2.00E-05	187157
RP44_311P23	7	CL350983	SP6	115779914	7.00E-27	CL350900	T7	115837453	3.00E-08	57539
RP44_254M15	7	CL335830	SP6	115780848	0.006	CL335758	T7	115959260	4.00E-13	178412
RP44_338P10	7	CL360220	T7	115914136	4.00E-16	CL360157	SP6	116074239	2.00E-33	160103
RP44_271O16	7	CL346751	SP6	116740205	4.00E-84	CL346675	T7	116897048	6.00E-06	156843
RP44_339B3	7	CL360456	T7	116773121	7.00E-60	CL360527	SP6	116931078	5.00E-49	157957
RP44_335J6	7	CL359208	SP6	117504125	5.00E-22	CL359135	T7	117626905	5.00E-06	122780
RP44_471L10	7	CL375600	SP6	117853479	3.00E-44	CL375526	T7	118089762	0.004	236283
RP44_275H15	7	CL349033	SP6	119494461	1.00E-59	CL348950	T7	119682234	3.00E-59	187773
RP44_328F21	7	CL384168	SP6	119539731	0.007	CL384093	T7	119701054	2.00E-46	161323
RP44_430A4	7	CL411914	T7	119694947	1.00E-19	CL411996	SP6	119860124	8.00E-67	165177
RP44_280B6	7	CL387065	SP6	119908320	3.00E-23	CL345783	T7	120148719	4.00E-69	240399

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_274D3	7	CL348364	SP6	120057670	2.00E-37	CL348279	T7	120268195	2.00E-12	210525
RP44_304N12	7	CL371970	T7	120148797	6.00E-15	CL372050	SP6	120346657	3.00E-26	197860
RP44_343H21	7	CL361006	T7	120364007	3.00E-11	CL361069	SP6	120485862	7.00E-43	121855
RP44_295K1	7	CL370265	T7	120555093	2.00E-05	CL370327	SP6	120783484	4.00E-06	228391
RP44_327B4	7	CL383995	SP6	121170868	5.00E-22	CL383921	T7	121191196	7.00E-09	20328
RP44_268L18	7	CL339403	T7	122806338	2.00E-08	CL339478	SP6	122980147	3.00E-04	173809
RP44_408P23	7	CL355009	SP6	123874750	4.00E-56	CL354926	T7	124097728	0.006	222978
RP44_412J8	7	CL357294	SP6	125786373	2.00E-08	CL357221	T7	125950308	2.00E-11	163935
RP44_258L5	7	CL340758	T7	126020760	1.00E-16	CL340837	SP6	126160032	1.00E-05	139272
RP44_271A6	7	CL346682	SP6	126183252	4.00E-10	CL346603	T7	126346463	1.00E-08	163211
RP44_272A7	7	CL347080	T7	126943484	1.00E-07	CL347164	SP6	127125248	1.00E-66	181764
RP44_410P18	7	CL356118	T7	127961444	6.00E-06	CL356201	SP6	128143778	9.00E-11	182334
RP44_265D12	7	CL338247	SP6	129119123	1.00E-13	CL338167	T7	129352155	4.00E-09	233032
RP44_267O7	7	CL338786	SP6	129687332	5.00E-25	CL338707	T7	129815175	1.00E-07	127843
RP44_325H23	7	CL383030	T7	132834048	4.00E-04	CL383116	SP6	132976244	5.00E-53	142196
RP44_270L20	7	CL346497	T7	133786691	1.00E-09	CL346579	SP6	133986172	2.00E-24	199481
RP44_408O16	7	CL354767	T7	136471909	1.00E-13	CL354835	SP6	136667376	5.00E-09	195467
RP44_284E15	7	CL388024	SP6	136490175	7.00E-08	CL387956	T7	136667376	1.00E-05	177201
RP44_409A14	7	CL355221	SP6	138929571	2.00E-18	CL355146	T7	139140282	0.005	210711
RP44_409M18	7	CL355203	T7	138929571	2.00E-18	CL355282	SP6	139132296	2.00E-18	202725
RP44_382F3	7	CL328955	SP6	139634790	5.00E-06	CL328954	T7	139880650	7.00E-52	245860
RP44_405M1	7	CL354023	SP6	140870484	2.00E-11	CL353949	T7	141116943	1.00E-15	246459
RP44_309G20	7	CL349456	T7	143751302	0.001	CL349534	SP6	143909506	1.00E-10	158204
RP44_449C24	7	CL377152	SP6	145268526	3.00E-08	CL377069	T7	145458025	1.00E-13	189499
RP44_335I14	7	CL358890	SP6	145376954	0.001	CL387020	T7	145531824	3.00E-29	154870
RP44_310P9	7	CL350344	SP6	145892820	1.00E-19	CL350268	T7	146102850	0.002	210030
RP44_405K8	7	CL354070	T7	146037696	4.00E-05	CL354113	SP6	146109197	9.00E-13	71501
RP44_417J16	7	CL409699	T7	146279995	2.00E-06	CL409763	SP6	146434850	6.00E-06	154855
RP44_330N24	7	CL385472	T7	146455722	1.00E-53	CL385553	SP6	146655701	2.00E-73	199979
RP44_292C16	7	CL369794	T7	147641463	3.00E-38	CL369719	SP6	147831781	2.00E-07	190318
RP44_469I1	7	CL373688	T7	150659389	3.00E-11	CL373776	SP6	150671762	0.005	12373
RP44_309D19	7	CL349595	T7	156109385	2.00E-11	CL349665	SP6	156351125	8.00E-33	241740
RP44_258F13	8	CL340815	SP6	4258806	1.00E-55	CL340733	T7	4422948	0.001	164142
RP44_290M6	8	CL369231	T7	4990594	0.006	CL369318	SP6	5227497	4.00E-06	236903
RP44_311A17	8	CL350598	SP6	9662021	1.00E-33	CL350519	T7	9853337	2.00E-70	191316
RP44_388N21	8	CL363449	T7	10505464	0.001	CL363516	SP6	10720709	5.00E-20	215245
RP44_413N4	8	CL357875	T7	12941833	7.00E-46	CL357961	SP6	13112120	3.00E-11	170287

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RP44_276G1	8	CL343016	SP6	12990155	3.00E-35	CL342932	T7	13207739	1.00E-47	217584
RP44_253P20	8	CL335629	T7	12990193	9.00E-32	CL335698	SP6	13207647	2.00E-42	217454
RP44_358D14	8	CL366316	T7	13021144	2.00E-06	CL366388	SP6	13171690	2.00E-05	150546
RP44_362J17	8	CL366709	SP6	13021144	2.00E-06	CL366633	T7	13198309	3.00E-05	177165
RP44_413B18	8	CL357902	SP6	17467171	3.00E-04	CL357817	T7	17694591	4.00E-13	227420
RP44_261O17	8	CL341771	SP6	19603788	2.00E-08	CL341692	T7	19880182	7.00E-27	276394
RP44_261N12	8	CL342219	SP6	21724123	e-120	CL342144	T7	21871195	3.00E-25	147072
RP44_302N15	8	CL371353	T7	22133575	3.00E-04	CL371433	SP6	22350007	3.00E-07	216432
RP44_458C1	8	CL323294	SP6	22152319	3.00E-14	CL323293	T7	22365326	4.00E-04	213007
RP44_255N11	8	CL336288	SP6	23115245	7.00E-20	CL336207	T7	23301244	9.00E-10	185999
RP44_261G24	8	CL341814	T7	24681764	2.00E-36	CL341901	SP6	24881469	6.00E-06	199705
RP44_308J22	8	CL349158	T7	24846671	2.00E-09	CL349234	SP6	25020079	0.005	173408
RP44_394H23	8	CL329578	T7	26576106	6.00E-12	CL329579	SP6	26822012	2.00E-09	245906
RP44_289B13	8	CL368680	T7	29181371	1.00E-06	CL368761	SP6	29430389	1.00E-05	249018
RP44_430I11	8	CL411862	SP6	29431481	4.00E-19	CL411791	T7	29690753	5.00E-06	259272
RP44_324O3	8	CL382437	T7	31040374	6.00E-09	CL382522	SP6	31327236	2.00E-09	286862
RP44_416I10	8	CL322678	SP6	31506289	4.00E-09	CL322679	T7	31712666	7.00E-06	206377
RP44_409C20	8	CL355159	T7	31543272	0.005	CL355234	SP6	31742992	2.00E-33	199720
RP44_249B20	8	CL333373	T7	31788511	1.00E-04	CL333451	SP6	31955279	1.00E-28	166768
RP44_457O2	8	CL377762	T7	31826272	1.00E-06	CL377848	SP6	32011359	3.00E-35	185087
RP44_433H14	8	CL413563	T7	32434097	3.00E-51	CL413640	SP6	32634385	2.00E-05	200288
RP44_471L5	8	CL375366	T7	32973109	5.00E-15	CL375448	SP6	33182567	0.005	209458
RP44_255J24	8	CL339643	SP6	35358672	0.001	CL339567	T7	35498594	5.00E-09	139922
RP44_275N23	8	CL348986	T7	35490160	3.00E-09	CL349068	SP6	35760935	1.00E-36	270775
RP44_280E6	8	CL345474	T7	36207810	2.00E-37	CL345558	SP6	36415556	0.001	207746
RP44_284N7	8	CL388292	T7	37883923	0.001	CL388376	SP6	38049353	3.00E-47	165430
RP44_449C1	8	CL376969	SP6	38062376	1.00E-09	CL376888	T7	38315532	4.00E-04	253156
RP44_431N6	8	CL412954	T7	52556388	8.00E-05	CL413031	SP6	52877941	2.00E-17	321553
RP44_422C6	8	CL411493	T7	55800946	1.00E-16	CL411568	SP6	56025923	1.00E-09	224977
RP44_276O16	8	CL343239	SP6	58241579	3.00E-08	CL343155	T7	58540039	4.00E-04	298460
RP44_409G16	8	CL355252	SP6	58287000	3.00E-07	CL355175	T7	58537439	0.001	250439
RP44_414B16	8	CL358513	SP6	58891781	9.00E-79	CL358428	T7	59126024	3.00E-16	234243
RP44_335H15	8	CL359049	SP6	59442025	1.00E-04	CL358965	T7	59588716	9.00E-60	146691
RP44_428D6	8	CL380248	SP6	59557806	1.00E-16	CL380159	T7	59747974	6.00E-40	190168
RP44_286O1	8	CL389140	SP6	61014647	5.00E-09	CL389056	T7	61257883	1.00E-44	243236
RP44_355F9	8	CL365680	T7	61153906	5.00E-28	CL365740	SP6	61337433	0.004	183527
RP44_432J18	8	CL413246	T7	63462354	1.00E-30	CL413323	SP6	63720947	2.00E-04	258593

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RP44_432L24	8	CL413259	T7	63462354	2.00E-30	CL413336	SP6	63720961	3.00E-05	258607
RP44_311E17	8	CL350616	SP6	63865563	7.00E-05	CL350540	T7	64078192	6.00E-24	212629
RP44_277D19	8	CL343891	T7	64610935	2.00E-52	CL343960	SP6	64861707	2.00E-36	250772
RP44_244P20	8	CL326986	T7	64831593	0.002	CL327057	SP6	65023568	2.00E-15	191975
RP44_280C18	8	CL345469	T7	65518063	1.00E-07	CL345553	SP6	65792805	0.002	274742
RP44_278G5	8	CL344042	T7	66772512	2.00E-21	CL344118	SP6	67013958	2.00E-64	241446
RP44_413G11	8	CL357441	SP6	67815213	3.00E-32	CL357360	T7	68007080	2.00E-15	191867
RP44_269I16	8	CL345893	T7	68050639	5.00E-06	CL345967	SP6	68280930	1.00E-10	230291
RP44_400H17	8	CL365189	SP6	68745163	3.00E-07	CL365105	T7	68963190	1.00E-44	218027
RP44_241C3	8	CL325267	T7	68808299	9.00E-39	CL325340	SP6	69021978	1.00E-04	213679
RP44_422D14	8	CL377967	T7	70036293	1.00E-21	CL378031	SP6	70222912	3.00E-14	186619
RP44_283I15	8	CL387819	T7	70374698	7.00E-21	CL387900	SP6	70577979	9.00E-05	203281
RP44_324B13	8	CL382616	SP6	70798127	1.00E-37	CL382538	T7	70970844	4.00E-07	172717
RP44_382B17	8	CL328929	T7	70879686	5.00E-31	CL328930	SP6	70991541	2.00E-05	111855
RP44_394N21	8	CL329629	SP6	71407917	1.00E-09	CL329628	T7	71670736	3.00E-13	262819
RP44_281F1	8	CL387559	SP6	71828243	3.00E-78	CL387474	T7	71975468	0.002	147225
RP44_328D11	8	CL384079	T7	71926679	9.00E-70	CL384154	SP6	71946279	3.00E-08	19600
RP44_265P2	8	CL338306	SP6	72489378	0.002	CL338224	T7	72502075	e-123	12697
RP44_413F2	8	CL357832	T7	73253067	3.00E-07	CL357916	SP6	73452069	e-122	199002
RP44_307G6	8	CL372899	T7	74252692	3.00E-75	CL372965	SP6	74423442	3.00E-09	170750
RP44_241N7	8	CL325531	SP6	75221705	4.00E-10	CL325453	T7	75404925	9.00E-16	183220
RP44_273I17	8	CL347783	SP6	75435425	0.001	CL347704	T7	75604308	8.00E-51	168883
RP44_326L6	8	CL383599	SP6	75654371	2.00E-21	CL383527	T7	75862657	0.001	208286
RP44_409L15	8	CL355435	SP6	75904437	4.00E-16	CL355355	T7	76096373	e-146	191936
RP44_260P4	8	CL341529	T7	76790323	3.00E-05	CL341611	SP6	76987491	e-137	197168
RP44_285O19	8	CL388626	T7	76808010	1.00E-81	CL388701	SP6	77005248	2.00E-52	197238
RP44_401F23	8	CL352677	SP6	77219716	4.00E-04	CL352598	T7	77400737	0	181021
RP44_411E6	8	CL356409	SP6	77256508	e-171	CL356352	T7	77449766	0.004	193258
RP44_257N19	8	CL340486	T7	77443109	9.00E-45	CL340549	SP6	77604374	0	161265
RP44_276G12	8	CL343198	SP6	77501239	0	CL343109	T7	77688426	3.00E-11	187187
RP44_249M19	8	CL333243	SP6	78752473	2.00E-70	CL333169	T7	78960316	2.00E-05	207843
RP44_314B4	8	CL381032	T7	80679547	1.00E-87	CL381115	SP6	80833773	0.001	154226
RP44_276M21	8	CL343058	SP6	82463637	0.002	CL342971	T7	82630421	2.00E-06	166784
RP44_328N21	8	CL384128	T7	84066598	0.007	CL384206	SP6	84195532	2.00E-06	128934
RP44_250F5	8	CL333886	SP6	85393083	2.00E-05	CL333814	T7	85557198	1.00E-40	164115
RP44_433G4	8	CL413484	SP6	86005170	2.00E-09	CL413397	T7	86154870	0.005	149700
RP44_457G10	8	CL377725	T7	87025809	2.00E-14	CL377809	SP6	87148497	e-108	122688

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RP44_329N11	8	CL384761	T7	88448831	4.00E-06	CL384835	SP6	88564985	2.00E-05	116154
RP44_265L1	8	CL338119	SP6	88568341	2.00E-05	CL338038	T7	88738730	2.00E-20	170389
RP44_471H11	8	CL375348	T7	88737215	2.00E-11	CL375430	SP6	88874847	0.005	137632
RP44_309H4	8	CL349830	SP6	88800758	4.00E-04	CL349755	T7	88928360	4.00E-07	127602
RP44_263O15	8	CL336568	SP6	89878829	6.00E-06	CL336351	T7	90002901	3.00E-05	124072
RP44_265G20	8	CL337945	SP6	91304747	1.00E-44	CL337863	T7	91505516	1.00E-04	200769
RP44_310N8	8	CL350420	T7	91515943	4.00E-13	CL350497	SP6	91621208	4.00E-12	105265
RP44_308B10	8	CL349189	SP6	92313119	7.00E-12	CL373493	T7	92433548	e-142	120429
RP44_259K10	8	CL341124	SP6	92779208	2.00E-85	CL341054	T7	92971324	2.00E-51	192116
RP44_287C5	8	CL389700	SP6	93616084	1.00E-09	CL389623	T7	93848213	2.00E-58	232129
RP44_445P17	8	CL376785	T7	95059932	3.00E-10	CL376872	SP6	95209618	2.00E-24	149686
RP44_284P15	8	CL388390	SP6	95615789	7.00E-11	CL388306	T7	95752671	4.00E-12	136882
RP44_399H9	8	CL322041	SP6	97434093	6.00E-18	CL322040	T7	97590403	4.00E-78	156310
RP44_300L23	8	CL370969	SP6	97611057	3.00E-32	CL370884	T7	97810251	9.00E-14	199194
RP44_327M8	8	CL383901	SP6	97611057	2.00E-32	CL383819	T7	97810251	3.00E-16	199194
RP44_314M23	8	CL352194	T7	98632936	0.006	CL352264	SP6	98775227	3.00E-23	142291
RP44_253P8	8	CL335692	SP6	99046523	9.00E-11	CL335623	T7	99210186	3.00E-04	163663
RP44_310A10	8	CL350121	SP6	99133388	2.00E-36	CL350039	T7	99329428	4.00E-07	196040
RP44_291I1	8	CL369417	SP6	99383168	1.00E-06	CL369367	T7	99569605	8.00E-09	186437
RP44_264A7	8	CL337055	T7	100199140	3.00E-57	CL337135	SP6	100385233	7.00E-64	186093
RP44_313H8	8	CL351999	T7	100950703	8.00E-52	CL352084	SP6	101072514	2.00E-09	121811
RP44_313N19	8	CL351868	T7	100950703	1.00E-09	CL351951	SP6	101072514	2.00E-09	121811
RP44_263C19	8	CL336400	T7	101303319	4.00E-06	CL336504	SP6	101478222	4.00E-04	174903
RP44_259E22	8	CL341030	T7	101485853	2.00E-15	CL341103	SP6	101651544	3.00E-07	165691
RP44_271F6	8	CL347020	SP6	101496470	3.00E-12	CL346940	T7	101714431	7.00E-11	217961
RP44_313D17	8	CL351900	SP6	102533346	2.00E-05	CL351816	T7	102704824	2.00E-15	171478
RP44_251B15	8	CL334412	T7	104695294	5.00E-83	CL334486	SP6	104884385	6.00E-09	189091
RP44_419O7	8	CL410387	T7	105180334	1.00E-59	CL410449	SP6	105379279	0	198945
RP44_248H9	8	CL328400	T7	106232711	1.00E-19	CL328476	SP6	106401434	7.00E-21	168723
RP44_330A2	8	CL385113	T7	106591786	4.00E-13	CL385188	SP6	106835772	3.00E-11	243986
RP44_254J8	8	CL335887	T7	107391598	2.00E-76	CL335959	SP6	107548004	2.00E-18	156406
RP44_367D21	8	CL367468	SP6	107827438	1.00E-04	CL367468	T7	107947225	3.00E-11	119787
RP44_383M14	8	CL363168	T7	108176949	3.00E-69	CL363245	SP6	108391615	4.00E-10	214666
RP44_415A9	8	CL358589	T7	109022846	2.00E-14	CL358668	SP6	109157610	2.00E-04	134764
RP44_333H18	8	CL386321	T7	110039939	1.00E-07	CL386400	SP6	110163981	6.00E-06	124042
RP44_277G9	8	CL343584	T7	114106815	1.00E-78	CL343676	SP6	114318355	1.00E-07	211540
RP44_418G20	8	CL409974	T7	114149507	3.00E-17	CL410060	SP6	114388508	3.00E-08	239001

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_431L9	8	CL412784	T7	115992061	6.00E-40	CL412863	SP6	116191638	2.00E-58	199577
RP44_306J21	8	CL372587	T7	115993851	3.00E-14	CL372673	SP6	116203368	2.00E-06	209517
RP44_277E8	8	CL343742	T7	116231753	3.00E-11	CL343819	SP6	116398414	2.00E-09	166661
RP44_362E18	8	CL366468	T7	116298506	e-174	CL366541	SP6	116486434	6.00E-06	187928
RP44_263C13	8	CL336501	SP6	116519103	4.00E-22	CL336397	T7	116735819	2.00E-14	216716
RP44_332B3	8	CL385924	SP6	117151194	1.00E-06	CL385846	T7	117337872	1.00E-12	186678
RP44_323C16	8	CL382058	SP6	117909903	7.00E-77	CL381974	T7	118091804	8.00E-15	181901
RP44_241D8	8	CL325558	T7	117989756	2.00E-08	CL325628	SP6	118195943	1.00E-09	206187
RP44_332F11	8	CL385868	T7	117991251	3.00E-23	CL385947	SP6	118195943	6.00E-21	204692
RP44_382J13	8	CL329004	T7	118471062	2.00E-09	CL329005	SP6	118646781	5.00E-06	175719
RP44_412P3	8	CL357171	SP6	118963640	9.00E-05	CL357089	T7	119125482	7.00E-36	161842
RP44_261P19	8	CL342081	SP6	120268466	9.00E-70	CL342015	T7	120438579	4.00E-10	170113
RP44_263E21	8	CL336516	SP6	120482824	5.00E-93	CL336298	T7	120673684	4.00E-10	190860
RP44_262B23	8	CL342567	T7	121787236	2.00E-09	CL342653	SP6	121967322	4.00E-19	180086
RP44_280H13	8	CL345736	SP6	122321012	1.00E-15	CL345649	T7	122492650	8.00E-21	171638
RP44_429L19	8	CL411726	SP6	123905904	3.00E-04	CL380727	T7	124108204	1.00E-09	202300
RP44_286G1	8	CL389021	T7	123946398	6.00E-11	CL389096	SP6	124188169	4.00E-10	241771
RP44_457M19	8	CL377595	T7	124212927	1.00E-28	CL377677	SP6	124400144	2.00E-05	187217
RP44_415D11	8	CL408484	T7	125822217	3.00E-04	CL408559	SP6	126013115	5.00E-28	190898
RP44_277E5	8	CL343667	SP6	126194037	3.00E-14	CL343575	T7	126439454	6.00E-99	245417
RP44_277K5	8	CL343694	SP6	126194037	9.00E-14	CL343616	T7	126439454	5.00E-99	245417
RP44_270P3	8	CL346428	SP6	126232314	2.00E-20	CL346350	T7	126439483	1.00E-99	207169
RP44_334H21	8	CL386599	T7	127433153	3.00E-06	CL386671	SP6	127648963	1.00E-04	215810
RP44_445A3	8	CL376564	T7	129795414	6.00E-09	CL376636	SP6	129963881	3.00E-29	168467
RP44_449A11	8	CL376881	T7	129898596	6.00E-06	CL376962	SP6	130090923	6.00E-15	192327
RP44_412F15	8	CL357042	T7	135817500	8.00E-14	CL357042	SP6	136082483	7.00E-05	264983
RP44_248C10	8	CL328305	SP6	136084854	4.00E-13	CL328223	T7	136116614	5.00E-99	31760
RP44_281K23	8	CL387207	T7	136995605	2.00E-27	CL387279	SP6	137244732	2.00E-05	249127
RP44_295P24	9	CL370601	SP6	1314609	3.00E-29	CL370533	T7	1530883	0.005	216274
RP44_279B21	9	CL345051	SP6	1938330	2.00E-77	CL344984	T7	2090162	1.00E-07	151832
RP44_425K5	9	CL378769	T7	2138931	6.00E-06	CL378998	SP6	2290531	0.007	151600
RP44_428E10	9	CL379835	T7	2138931	6.00E-06	CL379921	SP6	2282940	1.00E-13	144009
RP44_419J21	9	CL410607	SP6	2312147	3.00E-05	CL410682	SP6	2530682	4.00E-47	218535
RP44_255F4	9	CL339616	SP6	3045998	2.00E-09	CL339537	T7	3250675	5.00E-06	204677
RP44_274N19	9	CL348423	SP6	3493432	6.00E-37	CL348340	T7	3690950	1.00E-10	197518
RP44_261N22	9	CL342148	T7	3725858	0.002	CL342224	SP6	3932545	3.00E-14	206687
RP44_308I16	9	CL373226	T7	3750114	5.00E-34	CL373303	SP6	3922997	9.00E-11	172883

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RP44_270N11	9	CL346344	T7	4028740	4.00E-07	CL346420	SP6	4205715	5.00E-12	176975
RP44_262H5	9	CL342592	T7	4093009	2.00E-64	CL342677	SP6	4290305	2.00E-14	197296
RP44_268J12	9	CL339467	SP6	4093009	2.00E-64	CL339390	T7	4258482	4.00E-04	165473
RP44_253A3	9	CL335149	T7	7294772	2.00E-12	CL335223	SP6	7451974	4.00E-04	157202
RP44_404L20	9	CL322436	SP6	7406192	6.00E-24	CL322435	T7	7554061	1.00E-21	147869
RP44_419M15	9	CL410446	SP6	7502523	3.00E-54	CL410381	T7	7710529	1.00E-93	208006
RP44_251O20	9	CL334404	SP6	7824567	3.00E-57	CL334327	T7	7981545	3.00E-05	156978
RP44_338B17	9	CL360015	SP6	7911892	2.00E-88	CL359933	T7	7988086	6.00E-09	76194
RP44_242L7	9	CL325957	T7	8559366	6.00E-08	CL326009	SP6	8724863	6.00E-23	165497
RP44_306N16	9	CL372774	T7	8895251	1.00E-25	CL372855	SP6	9054361	3.00E-20	159110
RP44_445B13	9	CL376710	T7	9439455	2.00E-07	CL376794	SP6	9560784	4.00E-04	121329
RP44_417P2	9	CL409719	T7	10055198	1.00E-37	CL409786	SP6	10225645	0.001	170447
RP44_457H3	9	CL373527	T7	12309710	4.00E-04	CL323144	SP6	12471878	3.00E-94	162168
RP44_304D23	9	CL371837	SP6	12373935	6.00E-06	CL371750	T7	12390578	0.006	16643
RP44_426G10	9	CL379279	SP6	12638753	1.00E-06	CL379228	T7	12811203	8.00E-05	172450
RP44_408N11	9	CL354992	SP6	12935202	6.00E-06	CL354908	T7	13139050	1.00E-13	203848
RP44_257M21	9	CL340187	T7	13080656	8.00E-15	CL340266	SP6	13302151	2.00E-06	221495
RP44_436L16	9	CL375784	SP6	13259906	1.00E-15	CL375700	T7	13449085	1.00E-12	189179
RP44_388N13	9	CL363513	SP6	13706801	e-173	CL363446	T7	13910160	3.00E-11	203359
RP44_289M16	9	CL368579	T7	13744429	4.00E-44	CL368658	SP6	13932183	8.00E-98	187754
RP44_437E19	9	CL322797	T7	13967141	0.002	CL322798	SP6	14152342	2.00E-07	185201
RP44_411H11	9	CL356552	SP6	14056947	1.00E-53	CL356488	T7	14230907	e-154	173960
RP44_255N23	9	CL336294	SP6	14117699	1.00E-19	CL336213	T7	14253509	4.00E-56	135810
RP44_272D1	9	CL347416	T7	14488689	6.00E-09	CL347491	SP6	14709110	0.001	220421
RP44_261E4	9	CL341794	T7	16542517	3.00E-82	CL341882	SP6	16743559	7.00E-79	201042
RP44_329O21	9	CL384543	SP6	18433484	4.00E-04	CL384464	T7	18588959	1.00E-16	155475
RP44_414O9	9	CL358048	T7	18433484	3.00E-07	CL358114	SP6	18643444	2.00E-04	209960
RP44_286K5	9	CL389119	SP6	19496851	3.00E-20	CL389042	T7	19706907	0.006	210056
RP44_373L6	9	CL328861	SP6	19732582	2.00E-09	CL328860	T7	19925472	7.00E-12	192890
RP44_471G24	9	CL375274	SP6	20122699	5.00E-15	CL375186	T7	20323434	2.00E-20	200735
RP44_431B3	9	CL412731	T7	20511674	9.00E-11	CL412813	SP6	20707736	4.00E-07	196062
RP44_370L20	9	CL328720	SP6	20792605	7.00E-76	CL328719	T7	20943644	4.00E-12	151039
RP44_417H4	9	CL409750	SP6	22001615	1.00E-40	CL409686	T7	22209108	4.00E-07	207493
RP44_327N20	9	CL383983	T7	22143910	4.00E-04	CL384054	SP6	22385201	4.00E-19	241291
RP44_262N5	9	CL342624	T7	23027585	0.002	CL342706	SP6	23220278	e-169	192693
RP44_312I8	9	CL351321	T7	23162282	1.00E-47	CL351365	SP6	23408979	2.00E-12	246697
RP44_268H19	9	CL339304	SP6	24060880	8.00E-27	CL339222	T7	24288781	1.00E-34	227901

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RP44_288N6	9	CL368263	T7	26466283	4.00E-78	CL368324	SP6	26676213	6.00E-06	209930
RP44_383D13	9	CL363273	T7	28686798	2.00E-20	CL363341	SP6	28853754	e-135	166956
RP44_283O1	9	CL387922	SP6	29188056	5.00E-19	CL387844	T7	29312161	7.00E-06	124105
RP44_277K1	9	CL343692	SP6	29773004	5.00E-99	CL343614	T7	30000924	1.00E-04	227920
RP44_276A19	9	CL342992	SP6	32664068	1.00E-25	CL342910	T7	32862366	2.00E-24	198298
RP44_263N19	9	CL336802	T7	34231353	0	CL336880	SP6	34412579	4.00E-10	181226
RP44_432K9	9	CL413104	T7	34553688	2.00E-05	CL413189	SP6	34885045	9.00E-14	331357
RP44_394B3	9	CL329509	SP6	35416783	0.005	CL329508	T7	35601468	3.00E-07	184685
RP44_362J7	9	CL366629	T7	36761247	2.00E-07	CL366704	SP6	36892136	3.00E-11	130889
RP44_261M7	9	CL341679	T7	37647306	2.00E-10	CL341758	SP6	37813042	2.00E-04	165736
RP44_257O14	9	CL340420	SP6	64859196	2.00E-04	CL340346	T7	65020816	5.00E-06	161620
RP44_304D3	9	CL371742	T7	64894623	2.00E-33	CL371827	SP6	65067687	2.00E-30	173064
RP44_362B18	9	CL366820	SP6	65147986	3.00E-13	CL366746	T7	65328509	1.00E-21	180523
RP44_337C16	9	CL359660	T7	66284096	2.00E-24	CL359722	SP6	66490748	9.00E-51	206652
RP44_388D7	9	CL363469	SP6	66576588	1.00E-06	CL363407	T7	66763089	e-107	186501
RP44_469C1	9	CL373743	SP6	66900561	9.00E-05	CL373657	T7	67116279	6.00E-06	215718
RP44_255P15	9	CL336219	T7	66932505	6.00E-06	CL339513	SP6	67116278	3.00E-05	183773
RP44_276I13	9	CL343032	SP6	67919837	8.00E-69	CL342947	T7	68111116	0.002	191279
RP44_355N23	9	CL365771	SP6	68013534	2.00E-08	CL365722	T7	68200686	1.00E-16	187152
RP44_330O21	9	CL385047	T7	68462759	1.00E-04	CL385111	SP6	68653117	4.00E-10	190358
RP44_410G10	9	CL355825	SP6	68601428	4.00E-06	CL355750	T7	68815638	1.00E-12	214210
RP44_474K24	9	CL324313	T7	69872404	2.00E-77	CL324314	SP6	70075507	6.00E-22	203103
RP44_377A16	9	CL362428	SP6	69892823	2.00E-07	CL362350	T7	70075543	9.00E-30	182720
RP44_424E16	9	CL378362	T7	70844774	1.00E-10	CL378425	SP6	71006192	3.00E-04	161418
RP44_310I6	9	CL350159	SP6	72747040	8.00E-51	CL350077	T7	72915077	3.00E-14	168037
RP44_415J12	9	CL408671	T7	73031261	e-158	CL408754	SP6	73210309	1.00E-77	179048
RP44_278C20	9	CL344273	SP6	73955095	0.001	CL344188	T7	74099781	1.00E-10	144686
RP44_413C12	9	CL357503	T7	73979158	6.00E-49	CL357585	SP6	74168242	2.00E-15	189084
RP44_334P19	9	CL386635	T7	74064965	6.00E-12	CL386704	SP6	74212264	2.00E-30	147299
RP44_363C7	9	CL366964	T7	74728479	4.00E-09	CL366964	SP6	74881507	3.00E-10	153028
RP44_263G3	9	CL336301	T7	75241162	e-132	CL336519	SP6	75417985	0.001	176823
RP44_458H12	9	CL323651	SP6	75241162	e-132	CL323650	T7	75417985	0.002	176823
RP44_412D18	9	CL357195	T7	75326502	6.00E-15	CL357269	SP6	75477047	0.001	150545
RP44_258D22	9	CL340884	T7	76080309	e-101	CL340952	SP6	76246803	0	166494
RP44_412M22	9	CL357007	SP6	76138767	5.00E-12	CL356939	T7	76291309	6.00E-24	152542
RP44_428F6	9	CL380170	T7	76148500	1.00E-68	CL380259	SP6	76291155	6.00E-25	142655
RP44_426H5	9	CL379334	T7	77730286	5.00E-14	CL379415	SP6	77939813	0.001	209527

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RP44_375J6	9	CL362234	T7	77996713	1.00E-06	CL362306	SP6	78246775	2.00E-09	250062
RP44_261C6	9	CL341786	T7	78014227	5.00E-13	CL341873	SP6	78243850	5.00E-87	229623
RP44_248L1	9	CL328494	SP6	78054063	9.00E-05	CL328417	T7	78304605	3.00E-26	250542
RP44_287O11	9	CL389752	SP6	78244009	8.00E-42	CL389682	T7	78435449	8.00E-36	191440
RP44_426K5	9	CL379170	SP6	78246710	4.00E-04	CL379081	T7	78377606	1.00E-96	130896
RP44_266O17	9	CL338385	T7	78484100	2.00E-06	CL338468	SP6	78653039	6.00E-71	168939
RP44_433J6	9	CL413647	SP6	78621864	7.00E-09	CL413569	T7	78782621	4.00E-50	160757
RP44_325I9	9	CL382799	SP6	79621936	4.00E-07	CL382719	T7	79695777	8.00E-24	73841
RP44_362M12	9	CL366576	SP6	79811496	2.00E-09	CL366498	T7	79958991	6.00E-07	147495
RP44_326K22	9	CL383391	T7	80321484	e-115	CL383464	SP6	80462716	1.00E-31	141232
RP44_251M5	9	CL334236	SP6	82695896	8.00E-05	CL334154	T7	82892439	5.00E-83	196543
RP44_290A24	9	CL369263	SP6	87457621	5.00E-56	CL369172	T7	87649381	1.00E-04	191760
RP44_307J19	9	CL373141	SP6	88339269	7.00E-24	CL373055	T7	88536321	8.00E-30	197052
RP44_455D6	9	CL323010	T7	90818105	8.00E-08	CL323011	SP6	90957516	0.004	139411
RP44_286K19	9	CL389048	T7	91367371	e-153	CL389126	SP6	91543168	e-126	175797
RP44_246E5	9	CL327567	SP6	92027161	2.00E-27	CL327494	T7	92192123	1.00E-95	164962
RP44_249J22	9	CL333492	SP6	92303265	1.00E-78	CL333414	T7	92491720	4.00E-04	188455
RP44_474B6	9	CL324366	SP6	93562735	5.00E-06	CL324365	T7	93754623	7.00E-09	191888
RP44_417N6	9	CL409779	SP6	93700821	3.00E-07	CL409713	T7	93888369	6.00E-05	187548
RP44_413M8	9	CL357553	T7	94473354	2.00E-05	CL357636	SP6	94675149	2.00E-08	201795
RP44_263D11	9	CL336827	SP6	95184744	1.00E-65	CL336748	T7	95367142	1.00E-10	182398
RP44_263G22	9	CL336691	SP6	95184746	2.00E-64	CL336613	T7	95367142	1.00E-10	182396
RP44_329D7	9	CL384789	SP6	95316165	5.00E-23	CL384713	T7	95481233	2.00E-06	165068
RP44_262D1	9	CL342568	T7	95746162	3.00E-60	CL342654	SP6	95962316	1.00E-34	216154
RP44_470E17	9	CL374422	SP6	96026635	2.00E-09	CL374339	T7	96148455	2.00E-05	121820
RP44_260L12	9	CL341510	T7	96806706	3.00E-07	CL341592	SP6	97064807	3.00E-17	258101
RP44_372E9	9	CL367636	T7	97191836	8.00E-85	CL367698	SP6	97405470	1.00E-61	213634
RP44_429G5	9	CL380443	SP6	101012897	3.00E-54	CL380356	T7	101213625	1.00E-16	200728
RP44_311N7	9	CL350881	T7	101056046	2.00E-54	CL350965	SP6	101264133	3.00E-16	208087
RP44_258H10	9	CL340895	T7	102253793	2.00E-23	CL340965	SP6	102435506	1.00E-04	181713
RP44_327F12	9	CL383942	T7	102629370	7.00E-14	CL384015	SP6	102834425	2.00E-05	205055
RP44_268N16	9	CL339413	T7	102669295	5.00E-16	CL339485	SP6	102842116	3.00E-16	172821
RP44_253C14	9	CL335367	SP6	103864639	3.00E-19	CL335297	T7	104112704	3.00E-06	248065
RP44_404M19	9	CL322211	SP6	104277876	2.00E-17	CL322210	T7	104463288	5.00E-07	185412
RP44_323H6	9	CL382236	T7	104975932	2.00E-35	CL382316	SP6	105101677	1.00E-18	125745
RP44_311B20	9	CL350990	T7	106044275	3.00E-10	CL351069	SP6	106240000	2.00E-09	195725
RP44_330E5	9	CL385063	SP6	106544147	0.006	CL384995	T7	106678826	1.00E-22	134679

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RP44_313F8	9	CL352074	SP6	107400038	1.00E-07	CL351989	T7	107586365	5.00E-41	186327
RP44_411G18	9	CL356420	SP6	108761830	1.00E-52	CL356363	T7	108969788	2.00E-04	207958
RP44_277L13	9	CL343992	SP6	109419107	2.00E-12	CL343924	T7	109623818	4.00E-10	204711
RP44_265N17	9	CL338057	T7	109642391	2.00E-14	CL338138	SP6	109815474	1.00E-10	173083
RP44_336F17	9	CL359270	T7	110441934	2.00E-08	CL359346	SP6	110651541	7.00E-24	209607
RP44_287C4	9	CL389850	SP6	111888838	e-146	CL389768	T7	112086414	1.00E-10	197576
RP44_338B7	9	CL360010	SP6	112154804	0.002	CL359928	T7	112332226	6.00E-15	177422
RP44_265J23	9	CL338118	SP6	115952419	7.00E-46	CL338037	T7	116154266	1.00E-10	201847
RP44_433M8	9	CL413517	SP6	116065515	8.00E-30	CL413429	T7	116279010	4.00E-41	213495
RP44_300D5	9	CL370918	SP6	117358302	6.00E-06	CL370835	T7	117577083	4.00E-13	218781
RP44_327A10	9	CL383841	SP6	117371908	5.00E-05	CL383761	T7	117556160	3.00E-38	184252
RP44_353N1	9	CL362112	SP6	117404100	5.00E-15	CL362043	T7	117577083	4.00E-13	172983
RP44_323O16	9	CL382121	SP6	119337931	e-146	CL382037	T7	119523348	3.00E-20	185417
RP44_263O17	9	CL336482	T7	119852940	1.00E-13	CL336569	SP6	120015102	3.00E-08	162162
RP44_419B20	9	CL410716	T7	119914717	6.00E-05	CL410784	SP6	120083179	5.00E-40	168462
RP44_302P12	9	CL371497	T7	120418524	4.00E-07	CL371573	SP6	120594010	e-146	175486
RP44_409M13	9	CL355129	SP6	121692248	1.00E-06	CL355062	T7	121871860	6.00E-79	179612
RP44_248A24	9	CL328301	SP6	121978437	0	CL328218	T7	122131028	e-133	152591
RP44_358H21	9	CL366261	SP6	122037757	2.00E-73	CL366193	T7	122131028	5.00E-45	93271
RP44_396L19	9	CL364434	T7	123545063	0.004	CL364497	SP6	123749809	5.00E-07	204746
RP44_432N8	9	CL413340	SP6	123641239	1.00E-06	CL413263	T7	123824556	1.00E-09	183317
RP44_293C14	9	CL370042	SP6	124127194	0.002	CL369995	T7	124319245	4.00E-06	192051
RP44_428K4	9	CL379952	SP6	129642240	2.00E-08	CL379865	T7	129926499	5.00E-34	284259
RP44_474C4	10	CL324209	SP6	7961404	1.00E-13	CL324208	T7	8144871	0	183467
RP44_382H17	10	CL328987	T7	9022228	2.00E-14	CL328988	SP6	9204667	4.00E-07	182439
RP44_420G18	10	CL411038	T7	9210909	6.00E-37	CL411108	SP6	9393086	1.00E-41	182177
RP44_314G9	10	CL352161	T7	11720072	8.00E-05	CL352231	SP6	11915727	3.00E-07	195655
RP44_396C11	10	CL364077	T7	14092466	7.00E-39	CL364162	SP6	14292464	7.00E-08	199998
RP44_273I22	10	CL347938	SP6	17080717	8.00E-27	CL347865	T7	17260518	2.00E-30	179801
RP44_470H24	10	CL374865	T7	19465878	5.00E-09	CL374938	SP6	19622436	3.00E-10	156558
RP44_396M18	10	CL364296	T7	21130601	1.00E-10	CL364376	SP6	21338189	4.00E-07	207588
RP44_259O20	10	CL341075	T7	22248388	3.00E-17	CL341141	SP6	22441452	1.00E-06	193064
RP44_382N6	10	CL329191	T7	22856758	2.00E-14	CL329192	SP6	23066202	3.00E-09	209444
RP44_430I17	10	CL411794	T7	23520607	5.00E-06	CL411865	SP6	23730352	8.00E-14	209745
RP44_367L19	10	CL367591	SP6	23963069	4.00E-04	CL367508	T7	24194119	5.00E-10	231050
RP44_307E8	10	CL372891	T7	23970491	1.00E-06	CL372959	SP6	24194119	2.00E-10	223628
RP44_281B11	10	CL387460	T7	26391863	6.00E-06	CL387543	SP6	26608481	1.00E-22	216618

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RP44_421H2	10	CL411429	SP6	27965918	1.00E-37	CL411367	T7	28162573	3.00E-06	196655
RP44_463P22	10	CL324182	SP6	29132235	0.001	CL324181	T7	29319623	2.00E-26	187388
RP44_412M9	10	CL356776	T7	31130885	4.00E-04	CL356853	SP6	31333507	1.00E-06	202622
RP44_276C11	10	CL342916	T7	33461594	3.00E-10	CL343000	SP6	33707223	6.00E-06	245629
RP44_279A7	10	CL344660	T7	33726340	9.00E-42	CL344736	SP6	33934622	2.00E-09	208282
RP44_414N18	10	CL358491	T7	33975085	2.00E-37	CL358573	SP6	34238817	2.00E-18	263732
RP44_343I3	10	CL360948	SP6	34353912	2.00E-23	CL360880	T7	34565265	e-107	211353
RP44_409H9	10	CL355409	SP6	34749259	2.00E-89	CL355330	T7	34926697	0.002	177438
RP44_278J14	10	CL344622	SP6	35622241	6.00E-08	CL344542	T7	36015471	5.00E-15	393230
RP44_257A13	10	CL340127	T7	35635853	1.00E-09	CL340205	SP6	36002808	0.004	366955
RP44_260D22	10	CL341556	SP6	44596647	1.00E-38	CL341477	T7	44859712	2.00E-21	263065
RP44_260F22	10	CL341563	SP6	44596647	8.00E-39	CL341483	T7	44859712	2.00E-21	263065
RP44_270B24	10	CL346527	SP6	44734363	3.00E-60	CL346446	T7	45031768	3.00E-54	297405
RP44_430C1	10	CL411756	T7	44889621	9.00E-73	CL411838	SP6	45107061	5.00E-13	217440
RP44_411A7	10	CL356208	T7	45816258	1.00E-10	CL356279	SP6	46037444	6.00E-06	221186
RP44_268F9	10	CL339290	SP6	45824682	2.00E-09	CL339207	T7	46018197	8.00E-05	193515
RP44_383M2	10	CL363239	SP6	50287426	2.00E-05	CL363163	T7	50489681	0	202255
RP44_314O22	10	CL380869	SP6	50362168	e-167	CL380786	T7	50584402	1.00E-53	222234
RP44_334I18	10	CL386480	T7	51939578	1.00E-13	CL386545	SP6	52150026	2.00E-05	210448
RP44_267E19	10	CL338661	T7	52597945	2.00E-54	CL338741	SP6	52802210	3.00E-29	204265
RP44_429M13	10	CL380393	T7	52940164	8.00E-49	CL380480	SP6	53134273	4.00E-07	194109
RP44_314I4	10	CL352314	T7	53171794	2.00E-23	CL380832	SP6	53339408	3.00E-19	167614
RP44_327L4	10	CL384037	SP6	53174009	1.00E-29	CL383966	T7	53346425	2.00E-29	172416
RP44_245C2	10	CL327270	SP6	54761520	5.00E-06	CL327207	T7	55044413	5.00E-06	282893
RP44_398H19	10	CL364676	T7	56929557	7.00E-43	CL364758	SP6	57104484	5.00E-22	174927
RP44_335M21	10	CL386966	SP6	60696411	5.00E-16	CL386885	T7	60786685	5.00E-99	90274
RP44_300I19	10	CL370792	SP6	60828665	3.00E-29	CL440240	T7	60975339	2.00E-21	146674
RP44_244E9	10	CL326708	SP6	61613998	3.00E-07	CL326637	T7	61775566	1.00E-24	161568
RP44_311M20	10	CL350804	SP6	62824367	2.00E-12	CL350728	T7	63008389	4.00E-72	184022
RP44_407M8	10	CL354498	T7	63273300	e-107	CL354562	SP6	63415248	4.00E-81	141948
RP44_394F5	10	CL329549	SP6	63715547	1.00E-50	CL329548	T7	63869412	1.00E-43	153865
RP44_311N13	10	CL350884	T7	65058143	2.00E-55	CL350968	SP6	65240570	3.00E-20	182427
RP44_406O13	10	CL354338	SP6	65577115	2.00E-04	CL354287	T7	65785679	4.00E-48	208564
RP44_325B17	10	CL382996	T7	65683468	1.00E-06	CL383080	SP6	65858421	4.00E-22	174953
RP44_324A21	10	CL382375	T7	68818222	9.00E-27	CL382456	SP6	68936897	3.00E-17	118675
RP44_314K10	10	CL380761	T7	68833291	7.00E-18	CL380846	SP6	68948718	0.001	115427
RP44_474A24	10	CL324204	T7	68856742	7.00E-06	CL324205	SP6	68972959	2.00E-30	116217

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RP44_271J17	10	CL346802	T7	68952733	7.00E-30	CL346882	SP6	69185734	2.00E-06	233001
RP44_257P3	10	CL340551	SP6	69758039	e-120	CL340488	T7	69762759	8.00E-44	4720
RP44_277A10	10	CL343724	T7	70546075	1.00E-25	CL343803	SP6	70699488	1.00E-07	153413
RP44_241G3	10	CL325355	SP6	73203105	e-164	CL325289	T7	73347248	3.00E-13	144143
RP44_334M14	10	CL386557	SP6	73339826	8.00E-17	CL386494	T7	73509364	5.00E-05	169538
RP44_332C22	10	CL385788	SP6	73462558	1.00E-40	CL385716	T7	73679823	0.005	217265
RP44_386B16	10	CL329237	T7	73660541	2.00E-24	CL329238	SP6	73849178	4.00E-54	188637
RP44_358C8	10	CL366096	SP6	74078035	2.00E-05	CL366034	T7	74121792	1.00E-13	43757
RP44_433D4	10	CL413548	T7	75122094	3.00E-32	CL413619	SP6	75299839	e-170	177745
RP44_469L18	10	CL374287	SP6	75666216	1.00E-07	CL374208	T7	75835094	2.00E-49	168878
RP44_258N17	10	CL340775	T7	76006219	7.00E-12	CL340851	SP6	76280556	4.00E-22	274337
RP44_355L5	10	CL365758	SP6	76068000	1.00E-05	CL365706	T7	76244904	2.00E-11	176904
RP44_398D15	10	CL364737	SP6	76538787	3.00E-23	CL364654	T7	76711155	6.00E-06	172368
RP44_264P20	10	CL337665	SP6	76871298	1.00E-45	CL337585	T7	77104527	4.00E-10	233229
RP44_246K10	10	CL327747	SP6	77126332	6.00E-06	CL327668	T7	77316482	2.00E-33	190150
RP44_399H5	10	CL322036	T7	77182564	5.00E-62	CL322037	SP6	77351631	1.00E-09	169067
RP44_293M22	10	CL370082	SP6	78542108	1.00E-51	CL370026	T7	78721330	3.00E-10	179222
RP44_432D14	10	CL413294	SP6	78542108	3.00E-05	CL413221	T7	78725092	4.00E-94	182984
RP44_274J13	10	CL348398	SP6	79802318	4.00E-10	CL348313	T7	79993700	e-101	191382
RP44_281M7	10	CL387283	SP6	79802318	5.00E-06	CL387210	T7	79988241	5.00E-22	185923
RP44_276O20	10	CL343157	T7	79888233	6.00E-06	CL343241	SP6	80082673	5.00E-22	194440
RP44_330D14	10	CL385497	SP6	80370820	1.00E-28	CL385418	T7	80519554	1.00E-04	148734
RP44_426H2	10	CL379498	T7	81971498	0.005	CL379584	SP6	82168925	7.00E-42	197427
RP44_256P24	10	CL340048	T7	84333105	4.00E-06	CL340122	SP6	84522348	8.00E-13	189243
RP44_377K14	10	CL362396	T7	84865852	4.00E-26	CL362476	SP6	85013426	1.00E-78	147574
RP44_431D7	10	CL412824	SP6	85958032	2.00E-06	CL412744	T7	86221241	4.00E-04	263209
RP44_276M19	10	CL342970	T7	86064743	7.00E-15	CL343057	SP6	86264851	e-104	200108
RP44_250E10	10	CL333671	T7	86145286	5.00E-25	CL333742	SP6	86368615	9.00E-24	223329
RP44_275J21	10	CL348964	T7	89470536	8.00E-21	CL349046	SP6	89658726	8.00E-24	188190
RP44_356A7	10	CL365784	T7	89561050	3.00E-13	CL365840	SP6	89721914	1.00E-06	160864
RP44_356E7	10	CL365794	T7	89561050	2.00E-15	CL365855	SP6	89721914	1.00E-09	160864
RP44_410O15	10	CL355655	T7	89774041	0.002	CL355715	SP6	89997389	6.00E-11	223348
RP44_286E8	10	CL389253	SP6	90633272	7.00E-05	CL389175	T7	90805560	3.00E-07	172288
RP44_402E12	10	CL353067	T7	91116619	6.00E-08	CL353145	SP6	91366930	1.00E-14	250311
RP44_309M9	10	CL349325	T7	91815428	1.00E-77	CL349402	SP6	92032370	2.00E-24	216942
RP44_364G5	10	CL367052	T7	92605957	e-132	CL367125	SP6	92744611	3.00E-04	138654
RP44_304M12	10	CL371637	T7	92818816	8.00E-13	CL371716	SP6	93047090	0.003	228274

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RP44_249G19	10	CL333143	T7	93303872	2.00E-11	CL333214	SP6	93513510	0.005	209638
RP44_279G20	10	CL344850	T7	93710079	1.00E-28	CL344931	SP6	93870794	0.001	160715
RP44_289K8	10	CL368564	T7	94609418	2.00E-05	CL368643	SP6	94804276	9.00E-11	194858
RP44_426F14	10	CL379578	SP6	94723998	2.00E-08	CL379493	T7	94893331	4.00E-10	169333
RP44_254K3	10	CL335743	T7	94773540	2.00E-12	CL335814	SP6	94945564	1.00E-06	172024
RP44_268A24	10	CL339125	SP6	95410661	8.00E-70	CL339056	T7	95591102	3.00E-23	180441
RP44_410A10	10	CL355722	T7	97154871	1.00E-31	CL355800	SP6	97241436	4.00E-06	86565
RP44_413P6	10	CL357885	T7	97313294	2.00E-70	CL357972	SP6	97470578	3.00E-23	157284
RP44_313L14	10	CL352107	SP6	97562229	1.00E-19	CL352024	T7	97790000	1.00E-41	227771
RP44_405H1	10	CL322520	SP6	98156427	3.00E-04	CL322519	T7	98317312	3.00E-10	160885
RP44_256L10	10	CL340099	SP6	98443897	4.00E-64	CL340022	T7	98643708	0.004	199811
RP44_363O21	10	CL367020	SP6	101103920	4.00E-07	CL366953	T7	101317105	0.006	213185
RP44_276A4	10	CL343071	T7	101767877	4.00E-59	CL343160	SP6	101972183	1.00E-06	204306
RP44_330P17	10	CL385328	T7	102426575	4.00E-12	CL385400	SP6	102605011	6.00E-95	178436
RP44_431K7	10	CL412526	SP6	102677877	e-139	CL412447	T7	102884519	1.00E-90	206642
RP44_383L13	10	CL363306	T7	103546271	2.00E-33	CL363375	SP6	103717391	8.00E-17	171120
RP44_276E7	10	CL343007	SP6	103688092	9.00E-48	CL342923	T7	103871113	3.00E-07	183021
RP44_413B14	10	CL357900	SP6	103747457	6.00E-06	CL357815	T7	103925337	3.00E-04	177880
RP44_270A5	10	CL346134	T7	103942873	1.00E-16	CL346207	SP6	104150322	2.00E-29	207449
RP44_435H12	10	CL414080	SP6	104309098	3.00E-47	CL414022	T7	104523695	5.00E-05	214597
RP44_276E24	10	CL343103	T7	105912408	7.00E-64	CL343192	SP6	106105422	2.00E-33	193014
RP44_268P23	10	CL339264	T7	106005153	8.00E-07	CL339343	SP6	106190254	3.00E-37	185101
RP44_244E20	10	CL326793	T7	106059724	6.00E-40	CL326868	SP6	106231268	1.00E-15	171544
RP44_241L14	10	CL325594	T7	106640085	1.00E-18	CL325663	SP6	106839129	2.00E-08	199044
RP44_261F24	10	CL342185	SP6	106875380	3.00E-20	CL342107	T7	107048286	2.00E-79	172906
RP44_388J21	10	CL363434	T7	108428297	e-118	CL363499	SP6	108596923	7.00E-15	168626
RP44_265K4	10	CL337960	SP6	108850142	6.00E-34	CL337878	T7	109057624	5.00E-09	207482
RP44_409J18	10	CL355568	SP6	110950605	4.00E-04	CL355493	T7	111179807	1.00E-10	229202
RP44_433E18	10	CL413393	T7	111850578	1.00E-78	CL413480	SP6	112033230	1.00E-35	182652
RP44_474C22	10	CL324225	SP6	111991533	e-111	CL324224	T7	112194588	3.00E-26	203055
RP44_328J23	10	CL384110	T7	112010330	3.00E-72	CL384188	SP6	112219535	6.00E-09	209205
RP44_276J6	10	CL343526	SP6	112041212	7.00E-15	CL343444	T7	112241913	8.00E-21	200701
RP44_264E13	10	CL337160	SP6	112259110	8.00E-17	CL337079	T7	112470303	3.00E-07	211193
RP44_325C21	10	CL382776	SP6	113130821	3.00E-45	CL382692	T7	113227157	2.00E-26	96336
RP44_249B18	10	CL333372	T7	113978870	4.00E-10	CL333450	SP6	114163221	5.00E-06	184351
RP44_420B23	10	CL411232	SP6	114315626	9.00E-30	CL411153	T7	114500137	4.00E-09	184511
RP44_335P10	10	CL359164	T7	114355535	2.00E-40	CL359241	SP6	114399397	6.00E-12	43862

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RP44_334G8	10	CL386470	T7	115884654	2.00E-58	CL386533	SP6	115943299	3.00E-07	58645
RP44_400O10	10	CL365063	SP6	115972727	2.00E-12	CL364985	T7	116169971	2.00E-24	197244
RP44_302K20	10	CL371186	T7	116336295	4.00E-44	CL371265	SP6	116519581	3.00E-08	183286
RP44_420E4	10	CL411097	SP6	116529007	9.00E-05	CL411024	T7	116709128	2.00E-09	180121
RP44_266I7	10	CL338354	T7	116768223	0.002	CL338437	SP6	116906698	2.00E-06	138475
RP44_266E24	10	CL338496	T7	117496826	3.00E-48	CL338579	SP6	117668328	5.00E-16	171502
RP44_455N4	10	CL323093	SP6	117560655	2.00E-17	CL323092	T7	117718126	3.00E-07	157471
RP44_431M14	10	CL412712	SP6	117735847	5.00E-56	CL412622	T7	117929442	6.00E-06	193595
RP44_413O8	10	CL357645	SP6	117953194	5.00E-09	CL357563	T7	118110164	e-105	156970
RP44_407C22	10	CL354460	T7	118631530	6.00E-15	CL354525	SP6	118859761	3.00E-35	228231
RP44_325L13	10	CL383134	SP6	118731024	5.00E-10	CL383047	T7	118860468	4.00E-35	129444
RP44_309M15	10	CL349328	T7	120095912	1.00E-68	CL349405	SP6	120273348	0.001	177436
RP44_414E21	10	CL358077	SP6	120689235	3.00E-10	CL358008	T7	120926440	3.00E-72	237205
RP44_300N3	10	CL370971	SP6	121433057	6.00E-09	CL370886	T7	121642910	0.007	209853
RP44_250F16	10	CL334038	SP6	121485218	7.00E-23	CL333963	T7	121717644	e-125	232426
RP44_283O13	10	CL387928	SP6	122066161	1.00E-06	CL387850	T7	122283716	1.00E-06	217555
RP44_241L12	10	CL325662	SP6	123116934	2.00E-18	CL325593	T7	123328450	3.00E-04	211516
RP44_374N1	10	CL367912	T7	123663392	5.00E-22	CL367981	SP6	123864344	0.004	200952
RP44_436D24	10	CL375745	SP6	124629399	6.00E-06	CL375663	T7	124865096	9.00E-08	235697
RP44_304J22	10	CL372034	SP6	124845893	e-179	CL371953	T7	125024766	3.00E-78	178873
RP44_428J22	10	CL380290	SP6	127376047	5.00E-22	CL380200	T7	127556310	4.00E-47	180263
RP44_260I11	10	CL341266	T7	130273189	2.00E-04	CL341188	SP6	130461813	4.00E-06	188624
RP44_259C12	10	CL341018	T7	130823379	1.00E-90	CL341091	SP6	131007953	7.00E-58	184574
RP44_413A8	10	CL357491	T7	130892879	e-127	CL357575	SP6	131075916	1.00E-93	183037
RP44_309N9	10	CL349711	SP6	131445178	e-140	CL349633	T7	131688947	4.00E-21	243769
RP44_470H13	10	CL374691	t7	131675395	8.00E-04	CL374775	SP6	131888396	1.00E-31	213001
RP44_266G22	10	CL338506	T7	132954530	3.00E-25	CL338588	SP6	133174321	2.00E-60	219791
RP44_254F2	11	CL335862	T7	8521751	4.00E-59	CL335937	SP6	8811428	9.00E-25	289677
RP44_431H7	11	CL412843	SP6	10115103	1.00E-09	CL412763	T7	10323157	4.00E-07	208054
RP44_471J17	11	CL375361	T7	10741993	3.00E-04	CL375443	SP6	10893107	2.00E-08	151114
RP44_458P20	11	CL323745	SP6	10825417	6.00E-09	CL323744	T7	11033897	5.00E-07	208480
RP44_263M14	11	CL336722	SP6	12172691	2.00E-04	CL336639	T7	12336873	8.00E-23	164182
RP44_338E11	11	CL359871	SP6	12817675	2.00E-06	CL359790	T7	12975823	e-101	158148
RP44_274I11	11	CL348231	SP6	14793935	2.00E-08	CL348156	T7	14905010	8.00E-27	111075
RP44_281I4	11	CL387339	T7	15326060	4.00E-19	CL387418	SP6	15486108	3.00E-05	160048
RP44_280K1	11	CL345432	SP6	15644560	e-146	CL345333	T7	15804184	5.00E-90	159624
RP44_280P16	11	CL387145	SP6	15711712	4.00E-10	CL345864	T7	43245502	2.00E-18	27533790

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_413A21	11	CL357415	SP6	16975046	5.00E-31	CL357336	T7	17173968	7.00E-06	198922
RP44_272L7	11	CL347535	SP6	16993589	0.001	CL347458	T7	17192752	1.00E-59	199163
RP44_280M5	11	CL345444	SP6	17981484	e-111	CL345356	T7	18140072	0.007	158588
RP44_415D1	11	CL408554	SP6	18574365	1.00E-09	CL408480	T7	18775705	3.00E-07	201340
RP44_389N13	11	CL363786	T7	19246847	6.00E-55	CL363719	SP6	19400056	9.00E-08	153209
RP44_338E17	11	CL359792	T7	19756738	2.00E-51	CL359874	SP6	19930104	4.00E-07	173366
RP44_412L19	11	CL357160	SP6	20465823	1.00E-47	CL357076	T7	20654600	7.00E-11	188777
RP44_470A10	11	CL374486	T7	26609790	6.00E-99	CL374572	SP6	26681647	2.00E-08	71857
RP44_431K8	11	CL412698	SP6	26723467	e-101	CL412608	T7	26904578	3.00E-07	181111
RP44_245N11	11	CL327456	SP6	28245860	0.008	CL327386	T7	28460264	1.00E-07	214404
RP44_373F4	11	CL328801	T7	29126462	5.00E-07	CL328802	SP6	29268969	2.00E-18	142507
RP44_292G19	11	CL369669	SP6	29137782	0.002	CL369605	T7	29169678	3.00E-17	31896
RP44_292E17	11	CL369595	T7	29716532	2.00E-17	CL369661	SP6	29986276	6.00E-80	269744
RP44_478H6	11	CL324936	T7	29979388	7.00E-18	CL324937	SP6	30150635	6.00E-09	171247
RP44_430G16	11	CL411949	T7	30233272	3.00E-29	CL412031	SP6	30415672	8.00E-05	182400
RP44_262B13	11	CL342562	T7	30308146	7.00E-09	CL342648	SP6	30473415	3.00E-63	165269
RP44_260H19	11	CL341338	T7	30507348	2.00E-14	CL341416	SP6	30699302	8.00E-69	191954
RP44_420K3	11	CL410895	T7	30987108	8.00E-11	CL410977	SP6	31221332	2.00E-08	234224
RP44_248H1	11	CL328396	T7	31176986	7.00E-09	CL328472	SP6	31349562	7.00E-15	172576
RP44_310E6	11	CL350137	SP6	31349817	1.00E-25	CL350056	T7	31551266	0.002	201449
RP44_458M13	11	CL323403	T7	31514878	4.00E-04	CL323404	SP6	31723876	2.00E-33	208998
RP44_415O10	11	CL408465	SP6	31654749	5.00E-06	CL358824	T7	31868841	3.00E-69	214092
RP44_383E11	11	CL363051	SP6	31686950	8.00E-18	CL362966	T7	31858365	0.006	171415
RP44_420L17	11	CL411283	SP6	31730545	4.00E-06	CL410911	T7	31935909	5.00E-08	205364
RP44_411G19	11	CL356305	SP6	31953827	6.00E-08	CL356234	T7	32155726	5.00E-05	201899
RP44_325P13	11	CL383067	T7	32886748	1.00E-06	CL383155	SP6	33093090	6.00E-09	206342
RP44_398L9	11	CL364771	SP6	32917207	4.00E-10	CL364691	T7	33133363	9.00E-42	216156
RP44_261E19	11	CL341721	SP6	34064385	3.00E-14	CL341646	T7	34242159	2.00E-46	177774
RP44_314N22	11	CL381100	T7	34352548	9.00E-05	CL381185	SP6	34532136	2.00E-11	179588
RP44_257O12	11	CL340419	SP6	35138429	1.00E-12	CL340345	T7	35354291	0.001	215862
RP44_471P13	11	CL375471	SP6	35716103	2.00E-70	CL375389	T7	35899575	2.00E-11	183472
RP44_281O11	11	CL387221	T7	35716109	2.00E-55	CL387293	SP6	35955025	9.00E-20	238916
RP44_388P17	11	CL363458	T7	36013125	4.00E-19	CL363524	SP6	36198391	2.00E-09	185266
RP44_249N12	11	CL333428	T7	37906668	3.00E-10	CL333507	SP6	38120340	8.00E-05	213672
RP44_374D19	11	CL367880	T7	38365883	1.00E-06	CL367938	SP6	38507388	6.00E-06	141505
RP44_430G24	11	CL411952	T7	40278888	4.00E-23	CL412035	SP6	40454387	2.00E-36	175499
RP44_270P21	11	CL346358	T7	41107510	8.00E-15	CL346436	SP6	41298123	0.001	190613

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RP44_428L18	11	CL380209	T7	42403651	1.00E-19	CL380300	SP6	42638616	3.00E-48	234965
RP44_457B5	11	CL377862	T7	42476370	4.00E-35	CL323115	SP6	42624510	1.00E-70	148140
RP44_310H9	11	CL350230	T7	43135024	1.00E-07	CL350306	SP6	43420240	7.00E-52	285216
RP44_325F5	11	CL383098	SP6	43816158	3.00E-14	CL383013	T7	43982623	4.00E-04	166465
RP44_363M3	11	CL366938	T7	44412184	8.00E-08	CL367006	SP6	44598634	2.00E-05	186450
RP44_344H12	11	CL361206	SP6	44720357	3.00E-07	CL361135	T7	44910183	5.00E-06	189826
RP44_330L12	11	CL385536	SP6	45810043	2.00E-05	CL385456	T7	45986979	0	176936
RP44_410K13	11	CL355696	SP6	46461003	6.00E-17	CL355636	T7	46657385	2.00E-05	196382
RP44_363M9	11	CL367008	SP6	47044390	3.00E-41	CL366940	T7	47204960	8.00E-05	160570
RP44_269H21	11	CL346030	T7	47142189	3.00E-13	CL346111	SP6	47334861	2.00E-48	192672
RP44_264D10	11	CL337599	SP6	47596951	6.00E-09	CL337529	T7	47868681	8.00E-14	271730
RP44_249M14	11	CL333354	SP6	57351717	7.00E-35	CL333302	T7	57451455	9.00E-60	99738
RP44_280J6	11	CL387108	SP6	57816945	2.00E-11	CL345826	T7	58001495	8.00E-08	184550
RP44_476G2	11	CL324644	SP6	58336062	3.00E-19	CL324643	T7	58594429	1.00E-49	258367
RP44_260J6	11	CL341577	SP6	58658744	3.00E-19	CL341497	T7	59017058	5.00E-37	358314
RP44_260J7	11	CL341420	SP6	58658744	3.00E-19	CL341343	T7	59017058	7.00E-35	358314
RP44_304P18	11	CL371980	T7	58956149	5.00E-06	CL372062	SP6	59352417	2.00E-24	396268
RP44_418G13	11	CL409901	T7	59636034	1.00E-08	CL409832	SP6	59811874	1.00E-48	175840
RP44_458B2	11	CL323575	T7	61447667	3.00E-15	CL323576	SP6	61647196	2.00E-15	199529
RP44_413J8	11	CL357942	SP6	63921461	1.00E-22	CL357857	T7	64136641	0	215180
RP44_311K8	11	CL350791	SP6	67361669	1.00E-09	CL350714	T7	67517332	5.00E-40	155663
RP44_432G19	11	CL413087	T7	71863792	5.00E-13	CL413174	SP6	72010828	2.00E-15	147036
RP44_304P7	11	CL371893	SP6	73377248	3.00E-20	CL371806	T7	73507314	9.00E-36	130066
RP44_292K20	11	CL369763	SP6	76236091	7.00E-64	CL369832	T7	76469753	1.00E-65	233662
RP44_290M16	11	CL369236	T7	76625335	1.00E-21	CL369323	SP6	76811187	2.00E-05	185852
RP44_290O16	11	CL369248	T7	76625335	2.00E-21	CL369335	SP6	76811187	3.00E-07	185852
RP44_287K22	11	CL389902	SP6	78674363	2.00E-14	CL389817	T7	78862361	4.00E-06	187998
RP44_265O22	11	CL337990	SP6	78719668	2.00E-15	CL337907	T7	78884046	5.00E-53	164378
RP44_287I3	11	CL389723	SP6	79212566	5.00E-15	CL389650	T7	79379756	4.00E-07	167190
RP44_431D3	11	CL412822	SP6	79929610	2.00E-18	CL412742	T7	80081061	2.00E-12	151451
RP44_401N11	11	CL352634	T7	79990972	e-132	CL352712	SP6	80159460	7.00E-09	168488
RP44_257J20	11	CL340676	SP6	83875026	5.00E-06	CL340599	T7	84067195	3.00E-07	192169
RP44_409F18	11	CL355549	SP6	84432476	1.00E-06	CL355476	T7	84629065	0.004	196589
RP44_274M7	11	CL348251	SP6	84647497	6.00E-09	CL348174	T7	84832703	0.004	185206
RP44_274O7	11	CL348260	SP6	84647497	6.00E-09	CL348185	T7	84832703	0.007	185206
RP44_375I7	11	CL368020	T7	84659230	3.00E-12	CL362173	SP6	84851862	2.00E-11	192632
RP44_279P16	11	CL345277	SP6	84872674	1.00E-09	CL345196	T7	85119028	e-145	246354

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RP44_252I20	11	CL334885	T7	86677846	2.00E-05	CL334952	SP6	86890039	9.00E-62	212193
RP44_286J23	11	CL389427	SP6	86729803	1.00E-15	CL389348	T7	86967575	4.00E-06	237772
RP44_353N16	11	CL365523	SP6	86968121	7.00E-09	CL365441	T7	87156648	2.00E-09	188527
RP44_289N4	11	CL368980	SP6	88620774	1.00E-13	CL368898	T7	88819503	7.00E-33	198729
248C16UI	11	CL328226	T7	90544751	0.007	4_248C16	CL328308	SP6	1.00E-22	237758
RP44_260N14	11	CL341523	T7	91167824	2.00E-08	CL341604	SP6	91444924	1.00E-06	277100
RP44_353H17	11	CL362092	SP6	91475923	0.001	CL362024	T7	91681252	1.00E-50	205329
RP44_241P4	11	CL325676	SP6	92045531	7.00E-33	CL325608	T7	92231979	4.00E-13	186448
RP44_413F17	11	CL357758	SP6	92317199	4.00E-04	CL357679	T7	92487680	2.00E-34	170481
RP44_403M7	11	CL353497	SP6	92415030	7.00E-11	CL353446	T7	92592723	2.00E-14	177693
RP44_449N23	11	CL377369	SP6	92789994	2.00E-05	CL377285	T7	93082622	2.00E-08	292628
RP44_261G9	11	CL341652	T7	95621985	3.00E-07	CL341726	SP6	95801029	8.00E-08	179044
RP44_261H22	11	CL342194	SP6	95698985	7.00E-09	CL342116	T7	95838913	0.001	139928
RP44_396A10	11	CL364237	T7	95839653	1.00E-05	CL364314	SP6	96023826	2.00E-35	184173
RP44_281F11	11	CL387564	SP6	95970921	9.00E-90	CL387479	T7	96164674	9.00E-30	193753
RP44_308H9	11	CL373445	SP6	96740856	6.00E-06	CL373371	T7	96933991	2.00E-06	193135
RP44_270H15	11	CL346315	T7	96858534	4.00E-06	CL346389	SP6	97094997	2.00E-09	236463
RP44_474L20	11	CL324448	SP6	98775205	1.00E-24	CL324447	T7	98999182	7.00E-32	223977
RP44_400H20	11	CL365345	T7	100174923	8.00E-15	CL365273	SP6	100448163	0.005	273240
RP44_327M12	11	CL383821	T7	100203400	8.00E-18	CL383903	SP6	100442741	8.00E-15	239341
RP44_265A10	11	CL337828	T7	100548954	4.00E-04	CL337912	SP6	100731277	6.00E-09	182323
RP44_396I23	11	CL364200	SP6	101936045	2.00E-09	CL364113	T7	102165293	2.00E-11	229248
RP44_275M20	11	CL348810	T7	102069269	2.00E-06	CL348901	SP6	102267786	2.00E-30	198517
RP44_414G13	11	CL358013	T7	102656185	5.00E-37	CL358081	SP6	102858271	6.00E-15	202086
RP44_382F9	11	CL328959	T7	102901105	5.00E-27	CL328960	SP6	103039278	2.00E-36	138173
RP44_256P1	11	CL339896	T7	102919190	3.00E-11	CL339967	SP6	103069170	2.00E-08	149980
RP44_405D18	11	CL354212	SP6	102948800	1.00E-15	CL354149	T7	103140802	1.00E-65	192002
RP44_270A19	11	CL346141	T7	102963484	7.00E-06	CL346213	SP6	102996957	1.00E-87	33473
RP44_428H4	11	CL380269	SP6	103684809	0.002	CL380179	T7	103853604	5.00E-28	168795
RP44_290I12	11	CL369300	SP6	104541944	0.006	CL369211	T7	104788547	5.00E-06	246603
RP44_449O13	11	CL376953	T7	106761542	3.00E-08	CL377044	SP6	106921896	1.00E-05	160354
RP44_289L18	11	CL368977	SP6	106804492	3.00E-04	CL368894	T7	106928419	2.00E-58	123927
RP44_403B11	11	CL353650	T7	107490473	4.00E-07	CL353712	SP6	107709318	1.00E-10	218845
RP44_327I7	11	CL383729	SP6	108661134	3.00E-10	CL383660	T7	108818797	9.00E-08	157663
RP44_449N5	11	CL377360	SP6	108661134	7.00E-05	CL377276	T7	108843156	8.00E-15	182022
RP44_265O6	11	CL337901	T7	109692776	2.00E-06	CL337982	SP6	109874542	0.006	181766
RP44_261A14	11	CL341779	T7	110026057	1.00E-10	CL341865	SP6	110255346	3.00E-14	229289

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RP44_287O13	11	CL389683	T7	111379762	2.00E-05	CL389753	SP6	111558459	4.00E-13	178697
RP44_315L5	11	CL381252	T7	114695302	4.00E-13	CL381338	SP6	114833506	3.00E-20	138204
RP44_433B18	11	CL413616	SP6	114971430	3.00E-29	CL413544	T7	115153889	9.00E-17	182459
RP44_409D14	11	CL355464	T7	115131818	3.00E-26	CL355537	SP6	115318962	7.00E-06	187144
RP44_308P11	11	CL373406	T7	115165769	6.00E-06	CL373483	SP6	115325571	e-145	159802
RP44_400D15	11	CL365082	T7	115244846	8.00E-21	CL365167	SP6	115457988	6.00E-06	213142
RP44_428J8	11	CL380283	SP6	115365472	3.00E-38	CL380193	T7	115571871	8.00E-62	206399
RP44_336D9	11	CL359334	SP6	115579140	2.00E-23	CL359408	T7	115749452	0.005	170312
RP44_443F3	11	CL376162	T7	116968113	7.00E-18	CL376233	SP6	117147194	0.002	179081
RP44_324L19	11	CL382665	SP6	117338279	9.00E-05	CL382590	T7	117522721	4.00E-07	184442
RP44_291I18	11	CL369542	SP6	118739417	6.00E-05	CL369483	T7	118951434	2.00E-91	212017
RP44_260L1	11	CL341429	SP6	120297838	6.00E-05	CL341350	T7	120530683	2.00E-20	232845
RP44_382J21	11	CL329013	SP6	120336381	4.00E-31	CL329012	T7	120505162	2.00E-21	168781
RP44_266K16	11	CL338608	SP6	120772460	7.00E-64	CL338525	T7	120977247	4.00E-04	204787
RP44_343N7	11	CL361088	SP6	121382733	1.00E-25	CL361024	T7	121571866	9.00E-17	189133
RP44_474O10	11	CL324347	SP6	121626439	1.00E-13	CL324346	T7	121797322	1.00E-16	170883
RP44_258N21	11	CL340777	T7	121696382	6.00E-12	CL340853	SP6	121849332	1.00E-15	152950
RP44_260M9	11	CL341208	SP6	121746523	e-104	CL341286	T7	121927495	2.00E-27	180972
RP44_419F7	11	CL410580	T7	121746530	2.00E-98	CL410653	SP6	121943451	3.00E-04	196921
RP44_293I2	11	CL370012	T7	123080458	0.005	CL370062	SP6	123264535	3.00E-16	184077
RP44_332H21	11	CL385882	T7	123116439	5.00E-16	CL385960	SP6	123264536	1.00E-18	148097
RP44_250J5	11	CL333907	SP6	124624508	3.00E-22	CL333833	T7	124846903	5.00E-25	222395
RP44_263J3	11	CL336854	SP6	126672398	8.00E-05	CL336776	T7	126886351	4.00E-25	213953
RP44_429I15	11	CL380373	T7	128099822	3.00E-32	CL380460	SP6	128293913	3.00E-04	194091
RP44_280G12	11	CL345488	T7	129267886	3.00E-20	CL345571	SP6	129482144	0.006	214258
RP44_256L5	11	CL339953	SP6	129956040	9.00E-11	CL339877	T7	130136962	3.00E-26	180922
RP44_251B9	11	CL334483	SP6	129956072	3.00E-07	CL334410	T7	130140475	0	184403
RP44_289O11	11	CL368422	T7	131210746	4.00E-10	CL368507	SP6	131386021	1.00E-40	175275
RP44_372P7	12	CL367866	SP6	3072228	2.00E-04	CL367802	T7	3255254	3.00E-13	183026
RP44_276L1	12	CL343371	SP6	3665314	1.00E-06	CL343290	T7	3917326	6.00E-15	252012
RP44_429P17	12	CL380744	T7	3800399	1.00E-96	CL411745	SP6	4073271	1.00E-19	272872
RP44_269G2	12	CL345879	T7	4524354	3.00E-57	CL345953	SP6	4722112	9.00E-08	197758
RP44_367K16	12	CL367423	SP6	6449308	2.00E-12	CL367345	T7	6682243	1.00E-22	232935
RP44_417G6	12	CL409407	T7	9814373	2.00E-14	CL409483	SP6	10068274	1.00E-34	253901
RP44_307D9	12	CL373106	SP6	10464487	1.00E-19	CL373020	T7	10662300	6.00E-46	197813
RP44_307B11	12	CL373096	SP6	10505866	0.001	CL373010	T7	10662300	6.00E-46	156434
RP44_246C22	12	CL327635	T7	12607060	4.00E-04	CL327710	SP6	12842411	1.00E-07	235351

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_250L11	12	CL333844	T7	13611849	4.00E-16	CL333918	SP6	13768446	0.001	156597
RP44_336N12	12	CL359458	T7	13798324	e-100	CL359507	SP6	13945705	8.00E-23	147381
RP44_457M6	12	CL377838	SP6	13825453	2.00E-33	CL377752	T7	13945705	2.00E-33	120252
RP44_436L14	12	CL375783	SP6	15385747	6.00E-08	CL375699	T7	15647367	9.00E-05	261620
RP44_409D4	12	CL355460	T7	15631993	1.00E-43	CL355533	SP6	15801703	2.00E-24	169710
RP44_370H6	12	CL328678	T7	15822746	2.00E-55	CL328679	SP6	15912960	3.00E-07	90214
RP44_343M17	12	CL360967	SP6	15906367	2.00E-06	CL360904	T7	16099903	8.00E-45	193536
RP44_275A14	12	CL348740	T7	16423260	1.00E-96	CL348831	SP6	16640602	e-177	217342
RP44_287H14	12	CL389956	T7	16614862	1.00E-20	CL390027	SP6	16788923	3.00E-07	174061
RP44_305F8	12	CL372392	T7	16800297	1.00E-06	CL372476	SP6	17004319	1.00E-31	204022
RP44_332I3	12	CL385668	SP6	18334366	4.00E-06	CL385603	T7	18507984	3.00E-04	173618
RP44_337A15	12	CL359587	SP6	18884479	3.00E-54	CL359523	T7	19049103	2.00E-04	164624
RP44_406P9	12	CL354437	SP6	20601780	0.004	CL354391	T7	20741926	2.00E-08	140146
RP44_286F23	12	CL389406	SP6	21350594	1.00E-47	CL389330	T7	21562779	8.00E-10	212185
RP44_337K17	12	CL359628	SP6	22075543	1.00E-13	CL359564	T7	22273314	1.00E-07	197771
RP44_248O10	12	CL328366	SP6	22114027	3.00E-91	CL328286	T7	22319617	3.00E-23	205590
RP44_412B3	12	CL357018	T7	22592119	4.00E-06	CL357101	SP6	22763626	1.00E-15	171507
RP44_333G12	12	CL386165	T7	22917317	1.00E-19	CL386240	SP6	23077589	e-173	160272
RP44_251D20	12	CL334572	T7	23099913	4.00E-06	CL334633	SP6	23289381	2.00E-27	189468
RP44_421P8	12	CL411472	SP6	23099913	6.00E-06	CL411393	T7	23289975	3.00E-07	190062
RP44_358G24	12	CL366060	T7	23290588	1.00E-25	CL366122	SP6	23505076	2.00E-21	214488
RP44_329N1	12	CL384830	SP6	23635903	1.00E-37	CL384756	T7	23819300	1.00E-06	183397
RP44_409I17	12	CL355049	T7	23732244	2.00E-06	CL355115	SP6	23939174	2.00E-73	206930
RP44_437C21	12	CL322781	SP6	24369780	3.00E-36	CL322780	T7	24565721	e-107	195941
RP44_271E4	12	CL346699	SP6	24733777	7.00E-09	CL346622	T7	24899617	0.002	165840
RP44_414E24	12	CL358220	SP6	25049360	2.00E-51	CL358143	T7	25204999	5.00E-09	155639
RP44_273L6	12	CL348089	SP6	25119539	9.00E-32	CL348015	T7	25296746	7.00E-70	177207
RP44_249P20	12	CL333516	SP6	25331860	4.00E-44	CL333440	T7	25534931	3.00E-04	203071
RP44_333K22	12	CL386187	T7	26330069	0.006	CL386262	SP6	26490308	4.00E-07	160239
RP44_415A22	12	CL358839	SP6	26335242	6.00E-15	CL358756	T7	26490847	3.00E-38	155605
RP44_265K22	12	CL337887	T7	26862266	3.00E-20	CL337968	SP6	27007991	1.00E-07	145725
RP44_246L22	12	CL327959	T7	27369871	8.00E-20	CL328041	SP6	27490070	3.00E-04	120199
RP44_328N16	12	CL384367	SP6	27572122	2.00E-49	CL384284	T7	27750157	3.00E-84	178035
RP44_280P18	12	CL387146	SP6	27916815	1.00E-10	CL345865	T7	28069108	2.00E-33	152293
RP44_256K17	12	CL339731	T7	29055697	0.001	CL339806	SP6	29219152	3.00E-11	163455
RP44_314A17	12	CL352211	SP6	29124723	3.00E-17	CL352138	T7	29337863	5.00E-22	213140
RP44_469D18	12	CL374248	SP6	29654099	9.00E-08	CL374170	T7	29794261	9.00E-05	140162

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RP44_337I22	12	CL359743	SP6	32038906	8.00E-32	CL359685	T7	32202741	4.00E-10	163835
RP44_268C12	12	CL339061	T7	32241614	1.00E-12	CL339130	SP6	32441336	2.00E-12	199722
RP44_433N22	12	CL413598	T7	33060128	8.00E-18	CL413676	SP6	33202834	4.00E-07	142706
RP44_277I4	12	CL343761	T7	40267943	0.001	CL343838	SP6	40457842	2.00E-24	189899
RP44_474K4	12	CL324296	SP6	40360557	1.00E-59	CL324295	T7	40537776	2.00E-08	177219
RP44_287A17	12	CL389695	SP6	40552415	2.00E-36	CL389618	T7	40778733	2.00E-21	226318
RP44_297N15	12	CL439696	T7	40567503	1.00E-12	CL439771	SP6	40783917	2.00E-17	216414
RP44_257G11	12	CL340153	T7	40771126	2.00E-09	CL340229	SP6	40945272	2.00E-61	174146
RP44_249O10	12	CL333309	T7	41091435	2.00E-79	CL333359	SP6	41319312	4.00E-09	227877
RP44_285K9	12	CL388675	SP6	41091487	3.00E-54	CL388599	T7	41342544	1.00E-10	251057
RP44_291K12	12	CL369488	T7	41100631	0.005	CL369550	SP6	41319261	4.00E-07	218630
RP44_250D4	12	CL334024	SP6	41139183	2.00E-08	CL333950	T7	41380040	2.00E-98	240857
RP44_398J17	12	CL364768	SP6	41177681	1.00E-34	CL364685	T7	41382504	e-104	204823
RP44_420I16	12	CL411112	SP6	41382970	5.00E-31	CL411045	T7	41564311	e-153	181341
RP44_431K12	12	CL412699	SP6	42514733	6.00E-12	CL412610	T7	42716749	8.00E-05	202016
RP44_419C8	12	CL410519	SP6	42925416	5.00E-80	CL410463	T7	43145038	7.00E-05	219622
RP44_330P8	12	CL385556	SP6	44907116	6.00E-43	CL385474	T7	44969788	4.00E-07	62672
RP44_449A19	12	CL376885	T7	45251490	8.00E-05	CL376966	SP6	45436507	2.00E-08	185017
RP44_275C15	12	CL348597	T7	46766985	3.00E-36	CL348673	SP6	46983517	6.00E-06	216532
RP44_338J8	12	CL360131	SP6	47699676	2.00E-11	CL360200	T7	47932002	1.00E-08	232326
RP44_457I3	12	CL377650	SP6	47699676	2.00E-11	CL377567	T7	47922941	1.00E-49	223265
RP44_243N12	12	CL326609	SP6	49186098	e-148	CL326537	T7	49478369	4.00E-18	292271
RP44_280D5	12	CL345621	T7	49604980	1.00E-56	CL345708	SP6	49841679	0.006	236699
RP44_417M9	12	CL409286	T7	50120462	4.00E-13	CL409361	SP6	50298027	9.00E-14	177565
RP44_430J3	12	CL412119	SP6	50174286	0.001	CL412198	T7	50341558	7.00E-13	167272
RP44_433L8	12	CL413658	SP6	52364229	2.00E-18	CL413580	T7	52604245	2.00E-80	240016
RP44_313L16	12	CL352108	SP6	53119060	3.00E-17	CL352025	T7	53333644	2.00E-42	214584
RP44_273L18	12	CL348020	T7	53154655	2.00E-42	CL348094	SP6	53344618	7.00E-38	189963
RP44_251I22	12	CL334297	T7	54249899	9.00E-08	CL334376	SP6	54424993	5.00E-15	175094
RP44_367C6	12	CL367384	SP6	54375693	e-152	CL367302	T7	54529855	2.00E-86	154162
RP44_470E10	12	CL374593	SP6	56565721	2.00E-39	CL374508	T7	56727772	4.00E-07	162051
RP44_429O17	12	CL380406	T7	57444900	1.00E-31	CL380492	SP6	57622409	1.00E-65	177509
RP44_417D8	12	CL409670	T7	57522712	1.00E-10	CL409735	SP6	57691708	e-115	168996
RP44_380D16	12	CL362877	SP6	57721394	5.00E-42	CL362804	T7	57877798	2.00E-19	156404
RP44_313P16	12	CL352128	SP6	57882865	5.00E-12	CL352047	T7	58048594	3.00E-07	165729
RP44_364C21	12	CL367112	SP6	57921542	1.00E-34	CL367038	T7	58064284	4.00E-47	142742
RP44_429G21	12	CL380451	SP6	58366302	1.00E-07	CL380364	T7	58594754	6.00E-18	228452

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RP44_264A17	12	CL337060	T7	58699412	2.00E-08	CL337140	SP6	58873334	2.00E-46	173922
RP44_313D12	12	CL351979	T7	59070854	6.00E-09	CL352065	SP6	59262723	2.00E-06	191869
RP44_250H20	12	CL334051	SP6	59083886	1.00E-06	CL333975	T7	59266265	4.00E-10	182379
RP44_449M10	12	CL377203	SP6	59701390	3.00E-26	CL377115	T7	59899793	1.00E-07	198403
RP44_327I24	12	CL383808	T7	62370238	3.00E-26	CL383887	SP6	62575430	4.00E-10	205192
RP44_431F1	12	CL412832	SP6	63379361	1.00E-06	CL412751	T7	63534276	3.00E-05	154915
RP44_471O3	12	CL375049	T7	63616490	8.00E-05	CL375135	SP6	63963550	2.00E-08	347060
RP44_306H16	12	CL372744	T7	64194483	2.00E-08	CL372827	SP6	64395279	2.00E-30	200796
RP44_436O24	12	CL414313	SP6	64921823	2.00E-08	CL414235	T7	65102929	e-100	181106
RP44_335C20	12	CL358865	SP6	64938050	3.00E-25	CL386997	T7	65126734	5.00E-55	188684
RP44_305N6	12	CL372435	T7	67053623	0.001	CL372518	SP6	67197276	1.00E-13	143653
RP44_422M14	12	CL411542	T7	67092061	1.00E-10	CL411625	SP6	67259108	3.00E-04	167047
RP44_430K17	12	CL411805	T7	67469885	4.00E-09	CL411889	SP6	67647342	7.00E-08	177457
RP44_280H19	12	CL345651	T7	68600826	9.00E-30	CL345738	SP6	68788434	0.005	187608
RP44_478N18	12	CL324998	SP6	69762901	4.00E-25	CL324997	T7	69927650	0.005	164749
RP44_279O17	12	CL344731	T7	70311296	3.00E-11	CL344808	SP6	70453167	3.00E-05	141871
RP44_314D9	12	CL380970	SP6	70718881	1.00E-28	CL380885	T7	70850079	7.00E-05	131198
RP44_297P10	12	CL439859	T7	72644585	4.00E-07	CL439936	SP6	72799022	4.00E-28	154437
RP44_252L15	12	CL335122	SP6	74143365	6.00E-52	CL335038	T7	74370286	e-123	226921
RP44_415F5	12	CL408490	T7	74484653	9.00E-11	CL408568	SP6	74760745	5.00E-56	276092
RP44_431J24	12	CL412942	T7	75238306	8.00E-15	CL413022	SP6	75438486	0.006	200180
RP44_251H6	12	CL334582	T7	77192895	2.00E-29	CL334647	SP6	77398065	3.00E-07	205170
RP44_412J12	12	CL357296	SP6	78475570	2.00E-34	CL357223	T7	78633834	8.00E-87	158264
RP44_255E13	12	CL336090	SP6	79884464	6.00E-89	CL336011	T7	80073810	2.00E-11	189346
RP44_469J3	12	CL374027	T7	81347505	3.00E-14	CL374114	SP6	81581639	7.00E-09	234134
RP44_424A18	12	CL378343	T7	82019292	0.002	CL378410	SP6	82187130	2.00E-09	167838
RP44_260J2	12	CL341495	T7	82366287	0.002	CL341575	SP6	82604829	2.00E-61	238542
RP44_469G19	12	CL373774	SP6	83022251	1.00E-07	CL373686	T7	83207069	6.00E-31	184818
RP44_469I17	12	CL373783	SP6	83022251	9.00E-08	CL373695	T7	83207069	1.00E-16	184818
RP44_284N20	12	CL388533	SP6	84237689	8.00E-08	CL388462	T7	84405563	8.00E-05	167874
RP44_458I24	12	CL323514	SP6	87636996	2.00E-37	CL323513	T7	87913239	9.00E-42	276243
RP44_394D6	12	CL329679	SP6	88372300	7.00E-27	CL329678	T7	88583450	2.00E-11	211150
RP44_422B9	12	CL411643	T7	89100688	1.00E-16	CL377889	SP6	89283819	1.00E-09	183131
RP44_478N20	12	CL324999	T7	89943997	1.00E-18	CL325000	SP6	90167748	3.00E-06	223751
RP44_260F17	12	CL341403	SP6	89944057	4.00E-28	CL341327	T7	90173848	8.00E-14	229791
RP44_245K15	12	CL327176	SP6	90470971	4.00E-10	CL327102	T7	90658996	5.00E-40	188025
RP44_341B6	12	CL360740	T7	90912393	4.00E-04	CL360792	SP6	91096857	8.00E-30	184464

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RP44_374F9	12	CL367886	T7	91321890	1.00E-59	CL367944	SP6	91504273	2.00E-08	182383
RP44_411G23	12	CL356236	T7	91808836	1.00E-17	CL356307	SP6	92004462	4.00E-54	195626
RP44_411H23	12	CL356492	T7	91808836	2.00E-17	CL356556	SP6	92004462	5.00E-56	195626
RP44_302F5	12	CL371308	T7	92278510	5.00E-06	CL371388	SP6	92494140	2.00E-05	215630
RP44_261I12	12	CL341819	T7	93502252	1.00E-53	CL341906	SP6	93700176	3.00E-19	197924
RP44_265O9	12	CL337817	SP6	93548745	4.00E-07	CL337737	T7	93748932	4.00E-10	200187
RP44_417A2	12	CL409377	T7	94119997	3.00E-05	CL409452	SP6	94284495	4.00E-56	164498
RP44_400H15	12	CL365104	T7	95990457	6.00E-43	CL365188	SP6	96245675	7.00E-15	255218
RP44_311H16	12	CL351015	T7	96129060	3.00E-32	CL351098	SP6	96353201	2.00E-18	224141
RP44_425I5	12	CL378760	T7	97581288	7.00E-61	CL378841	SP6	97781589	4.00E-07	200301
RP44_262D15	12	CL342658	SP6	97845997	2.00E-09	CL342573	T7	98048427	2.00E-15	202430
RP44_311O2	12	CL350731	T7	97845997	2.00E-09	CL350806	SP6	98046258	2.00E-15	200261
RP44_433M24	12	CL413525	SP6	97845997	2.00E-09	CL413437	T7	98085190	4.00E-04	239193
RP44_262N21	12	CL342714	SP6	97890295	e-176	CL342632	T7	98112020	2.00E-09	221725
RP44_292M24	12	CL369773	SP6	98504722	7.00E-49	CL369842	T7	98688989	4.00E-19	184267
RP44_405J19	12	CL322551	SP6	99417094	4.00E-13	CL354011	T7	99593419	6.00E-05	176325
RP44_470K4	12	CL374623	SP6	99552764	1.00E-07	CL374537	T7	99788845	0.001	236081
RP44_311G14	12	CL350772	SP6	100655286	2.00E-12	CL350696	T7	100840796	9.00E-05	185510
RP44_338H14	12	CL360125	SP6	100661556	9.00E-08	CL360193	T7	100819906	3.00E-07	158350
RP44_373L14	12	CL328867	T7	100661556	9.00E-08	CL328868	SP6	100820078	4.00E-07	158522
RP44_405C12	12	CL354054	T7	100661556	5.00E-08	CL354095	SP6	100827820	3.00E-10	166264
RP44_309B19	12	CL349585	T7	101691455	6.00E-06	CL349654	SP6	101910194	4.00E-10	218739
RP44_353M7	12	CL361907	T7	101757261	4.00E-59	CL361974	SP6	101947759	1.00E-06	190498
RP44_392I8	12	CL363821	T7	101910834	4.00E-09	CL363885	SP6	102056944	6.00E-09	146110
RP44_257E9	12	CL340142	T7	102354684	2.00E-11	CL340219	SP6	102525118	3.00E-13	170434
RP44_382B7	12	CL328922	T7	102704121	2.00E-20	CL328923	SP6	102890044	2.00E-09	185923
RP44_324I13	12	CL382413	T7	102726867	5.00E-06	CL382497	SP6	102869514	2.00E-70	142647
RP44_265N9	12	CL338135	SP6	102943383	1.00E-07	CL338054	T7	103150395	0.001	207012
RP44_275F3	12	CL349019	SP6	104062209	9.00E-11	CL348936	T7	104242793	4.00E-69	180584
RP44_250J2	12	CL334054	SP6	105819914	1.00E-86	CL333977	T7	106052242	1.00E-05	232328
RP44_305N16	12	CL372521	SP6	105999685	9.00E-05	CL372439	T7	106187630	2.00E-55	187945
RP44_305P18	12	CL372532	SP6	105999685	9.00E-05	CL372450	T7	106187591	3.00E-38	187906
RP44_380P19	12	CL362788	SP6	106423084	1.00E-52	CL362712	T7	106634363	2.00E-05	211279
RP44_253P4	12	CL335622	T7	106431409	2.00E-08	CL335690	SP6	106667478	7.00E-11	236069
RP44_262J5	12	CL342686	SP6	106609578	4.00E-04	CL342601	T7	106815560	3.00E-20	205982
RP44_251H17	12	CL334442	T7	106737529	1.00E-71	CL334516	SP6	106957466	e-132	219937
RP44_445G11	12	CL376593	T7	106754584	1.00E-34	CL376662	SP6	106957499	7.00E-82	202915

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_264L24	12	CL337648	SP6	114978693	9.00E-08	CL337571	T7	115195830	1.00E-65	217137
RP44_246N5	12	CL327821	T7	115196060	3.00E-35	CL327888	SP6	115373631	6.00E-92	177571
RP44_400K12	12	CL364969	T7	115322201	4.00E-16	CL365048	SP6	115524800	1.00E-27	202599
RP44_243H18	12	CL326513	T7	116514118	7.00E-83	CL326586	SP6	116755714	e-130	241596
RP44_410P15	12	CL356035	SP6	116520361	6.00E-80	CL355950	T7	116749981	e-104	229620
RP44_402F21	12	CL353266	T7	117010740	1.00E-09	CL353212	SP6	117167049	3.00E-35	156309
RP44_315B7	12	CL381201	T7	117839109	1.00E-04	CL381285	SP6	118051810	3.00E-35	212701
RP44_403M16	12	CL353567	T7	118264813	2.00E-11	CL353633	SP6	118457046	e-133	192233
RP44_278J4	12	CL344537	T7	119429372	6.00E-12	CL344617	SP6	119614282	2.00E-36	184910
RP44_418O9	12	CL409932	T7	119429400	8.00E-06	CL409868	SP6	119664385	3.00E-10	234985
RP44_278P11	12	CL344496	SP6	119529883	8.00E-12	CL344412	T7	119731871	2.00E-12	201988
RP44_279C22	12	CL344911	SP6	120881592	8.00E-88	CL344831	T7	121056593	2.00E-33	175001
RP44_429J11	12	CL411714	SP6	122609778	1.00E-31	CL380715	T7	122797827	3.00E-50	188049
RP44_471B5	12	CL375397	SP6	122616136	6.00E-89	CL375319	T7	122798684	0	182548
RP44_341J24	12	CL360772	T7	124035170	4.00E-52	CL360824	SP6	124196747	3.00E-10	161577
RP44_436A10	12	CL414160	T7	128220573	6.00E-06	CL414239	SP6	128510345	2.00E-11	289772
RP44_398J9	12	CL364682	T7	131211737	4.00E-10	CL364764	SP6	131364598	4.00E-07	152861
RP44_264N21	12	CL337505	SP6	133008732	1.00E-07	CL337432	T7	133404355	0	395623
RP44_286F6	13	CL389552	SP6	21392483	3.00E-60	CL389478	T7	21724736	2.00E-08	332253
RP44_260M11	13	CL341287	T7	25724853	6.00E-08	CL341209	SP6	26002479	4.00E-56	277626
RP44_279H6	13	CL345232	SP6	26259965	3.00E-07	CL345153	T7	26599831	6.00E-33	339866
RP44_358K2	13	CL366066	T7	30012724	6.00E-30	CL366131	SP6	30218417	5.00E-06	205693
RP44_329P19	13	CL384849	SP6	31481570	6.00E-27	CL384775	T7	31671452	3.00E-04	189882
RP44_424C4	13	CL378346	T7	32520595	1.00E-10	CL378413	SP6	32697630	1.00E-07	177035
RP44_244L16	13	CL327039	SP6	32914113	2.00E-18	CL326966	T7	33099382	5.00E-71	185269
RP44_413K11	13	CL357381	T7	32997763	9.00E-05	CL357463	SP6	33201868	4.00E-19	204105
RP44_413L11	13	CL357707	T7	32997763	9.00E-05	CL357786	SP6	33201868	4.00E-19	204105
RP44_396M4	13	CL364369	SP6	34336425	2.00E-09	CL364293	T7	34560418	1.00E-07	223993
RP44_246C14	13	CL327632	T7	35234980	e-113	CL327707	SP6	35455048	2.00E-08	220068
RP44_305J11	13	CL372252	T7	35475239	1.00E-12	CL372336	SP6	35651440	3.00E-04	176201
RP44_272I12	13	CL347370	SP6	35621323	8.00E-10	CL347283	T7	35825200	7.00E-61	203877
RP44_364O15	13	CL367091	T7	35761965	3.00E-42	CL367164	SP6	35794481	1.00E-25	32516
RP44_328P5	13	CL384210	SP6	36954319	2.00E-27	CL384132	T7	37136559	8.00E-15	182240
RP44_305D6	13	CL372381	T7	37061831	1.00E-07	CL372465	SP6	37192762	4.00E-56	130931
RP44_310B23	13	CL350208	T7	37294930	4.00E-04	CL350284	SP6	37506297	1.00E-75	211367
RP44_309M14	13	CL349483	T7	38293823	1.00E-25	CL349560	SP6	38670770	5.00E-06	376947
RP44_264D13	13	CL337381	T7	38909916	6.00E-07	CL337457	SP6	39169905	3.00E-04	259989

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RP44_393E18	13	CL363942	T7	38934888	6.00E-06	CL364010	SP6	39120784	6.00E-46	185896
RP44_474I8	13	CL324275	T7	39169995	2.00E-73	CL324276	SP6	39406981	1.00E-22	236986
RP44_458B4	13	CL323578	SP6	40978021	7.00E-43	CL323577	T7	41175898	8.00E-58	197877
RP44_256M15	13	CL339739	T7	41752433	8.00E-33	CL339814	SP6	41924478	2.00E-29	172045
RP44_314E6	13	CL352296	T7	43023057	9.00E-67	CL380812	SP6	43171620	4.00E-16	148563
RP44_243N24	13	CL326614	SP6	43105072	3.00E-38	CL326543	T7	43257594	3.00E-08	152522
RP44_315D12	13	CL381463	SP6	43105143	4.00E-22	CL381384	T7	43258520	1.00E-06	153377
RP44_264D18	13	CL337533	T7	43157104	6.00E-09	CL337603	SP6	43322639	3.00E-10	165535
RP44_310G21	13	CL349995	SP6	43203403	1.00E-06	CL349918	T7	43322633	6.00E-09	119230
RP44_470H9	13	CL374773	SP6	43300054	1.00E-15	CL374690	T7	43503180	1.00E-37	203126
RP44_333H16	13	CL386399	SP6	43626365	2.00E-12	CL386320	T7	43763702	7.00E-09	137337
RP44_243C16	13	CL326283	T7	43780605	6.00E-05	CL326351	SP6	43958944	3.00E-34	178339
RP44_252H3	13	CL335096	SP6	44082573	1.00E-06	CL335011	T7	44451553	2.00E-08	368980
RP44_315H8	13	CL381398	T7	44093210	6.00E-09	CL381481	SP6	44429712	3.00E-04	336502
RP44_353H4	13	CL365486	SP6	45456441	1.00E-06	CL365412	T7	45636976	3.00E-10	180535
RP44_315H24	13	CL381488	SP6	48989088	3.00E-07	CL381405	T7	49125269	3.00E-10	136181
RP44_307B13	13	CL373011	T7	49537401	8.00E-24	CL373097	SP6	49779356	2.00E-52	241955
RP44_458K11	13	CL323380	T7	49646936	3.00E-04	CL323381	SP6	49667235	2.00E-15	20299
RP44_275F24	13	CL342846	SP6	49846914	5.00E-06	CL349106	T7	49978687	2.00E-45	131773
RP44_330D24	13	CL385422	T7	49940055	3.00E-11	CL385501	SP6	50101612	7.00E-12	161557
RP44_278C23	13	CL344106	SP6	50701582	3.00E-08	CL344030	T7	50855211	8.00E-24	153629
RP44_272I21	13	CL347204	SP6	52465778	9.00E-66	CL347129	T7	52631443	9.00E-85	165665
RP44_267O17	13	CL338791	SP6	53508063	1.00E-13	CL338710	T7	53685569	1.00E-65	177506
RP44_394D24	13	CL329692	SP6	53666933	3.00E-10	CL329691	T7	53896704	1.00E-06	229771
RP44_404I24	13	CL322305	T7	54256372	1.00E-38	CL322306	SP6	54456975	e-102	200603
RP44_275G14	13	CL348773	T7	55681488	1.00E-41	CL348863	SP6	55840746	5.00E-62	159258
RP44_273A19	13	CL347745	SP6	59422154	1.00E-41	CL347676	T7	59633347	1.00E-05	211193
RP44_276D16	13	CL343499	SP6	59883469	4.00E-07	CL343419	T7	60078951	1.00E-06	195482
RP44_396G16	13	CL364344	SP6	63267643	0.002	CL364269	T7	63599336	7.00E-06	331693
RP44_401M1	13	CL352426	SP6	66020924	0.001	CL352367	T7	66200341	2.00E-34	179417
RP44_241F20	13	CL325639	SP6	66568503	1.00E-16	CL325570	T7	66727017	9.00E-64	158514
RP44_409F15	13	CL355322	T7	66620840	9.00E-11	CL355402	SP6	66815136	e-147	194296
RP44_403J20	13	CL353872	SP6	66671638	e-143	CL353807	T7	66841672	9.00E-61	170034
RP44_412A16	13	CL356955	SP6	70207647	3.00E-32	CL356878	T7	70378498	3.00E-35	170851
RP44_311D19	13	CL350916	SP6	70207922	4.00E-07	CL350835	T7	70366098	0.001	158176
RP44_413B13	13	CL357738	SP6	70410278	4.00E-59	CL357659	T7	70553525	3.00E-78	143247
RP44_271N14	13	CL346982	T7	70840070	3.00E-76	CL347062	SP6	71027184	2.00E-05	187114

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RP44_457B1	13	CL323114	SP6	71027121	1.00E-09	CL377860	T7	71156331	2.00E-24	129210
RP44_415N21	13	CL408531	T7	71035083	8.00E-70	CL408617	SP6	71193512	0	158429
RP44_262N24	13	CL336409	T7	71174634	e-111	CL336369	SP6	71372669	2.00E-11	198035
RP44_377M24	13	CL362412	T7	71202869	6.00E-65	CL362491	SP6	71359248	0.002	156379
RP44_254C7	13	CL335713	T7	71751164	8.00E-04	CL335783	SP6	71948689	2.00E-60	197525
RP44_266C5	13	CL338325	T7	71827363	0	CL338401	SP6	72027672	4.00E-16	200309
RP44_304C6	13	CL371666	SP6	71910005	1.00E-34	CL371592	T7	72081353	2.00E-36	171348
RP44_304H9	13	CL371764	T7	73593375	2.00E-33	CL371852	SP6	73739478	6.00E-22	146103
RP44_396E8	13	CL364256	T7	73994722	0.006	CL364332	SP6	74160114	2.00E-12	165392
RP44_364I3	13	CL367133	SP6	74142574	3.00E-07	CL367059	T7	74281401	3.00E-04	138827
RP44_425G12	13	CL378984	SP6	74162266	1.00E-09	CL378913	T7	74336880	2.00E-12	174614
RP44_310B7	13	CL350202	T7	74527232	1.00E-07	CL350277	SP6	74707615	1.00E-75	180383
RP44_264C20	13	CL337307	SP6	74643468	7.00E-12	CL337234	T7	74816286	3.00E-17	172818
RP44_290I2	13	CL369207	T7	74660389	7.00E-09	CL369296	SP6	74847868	6.00E-55	187479
RP44_383P15	13	CL363323	T7	74660389	6.00E-09	CL363395		74823076	0.005	162687
RP44_400C5	13	CL364811	SP6	77376338	3.00E-04	CL364880	T7	77550576	1.00E-17	174238
RP44_270H11	13	CL346387	SP6	78126825	e-162	CL346313	T7	78286394	4.00E-49	159569
RP44_413B19	13	CL357661	T7	78337741	9.00E-88	CL357741	SP6	78562193	0.001	224452
RP44_329K9	13	CL384520	SP6	78407955	0.001	CL384438	T7	78572525	4.00E-10	164570
RP44_382H13	13	CL328984	SP6	78609550	0.005	CL328983	T7	78834170	3.00E-23	224620
RP44_382L17	13	CL329028	T7	78666887	2.00E-06	CL329029	SP6	78844468	2.00E-12	177581
RP44_413P10	13	CL357887	T7	78859114	6.00E-09	CL357974	SP6	79056185	6.00E-06	197071
RP44_409L20	13	CL355577	SP6	79220307	7.00E-77	CL355502	T7	79468292	7.00E-15	247985
RP44_288P12	13	CL368335	SP6	79255655	1.00E-24	CL368274	T7	79510256	4.00E-59	254601
RP44_283E15	13	CL387801	T7	79504606	5.00E-09	CL387881	SP6	79705919	3.00E-04	201313
RP44_402K8	13	CL353165	SP6	79504606	5.00E-09	CL353093	T7	79710371	3.00E-22	205765
RP44_337C9	13	CL359593	SP6	81960387	5.00E-31	CL359529	T7	82159583	2.00E-05	199196
RP44_252L1	13	CL335032	T7	83346028	1.00E-04	CL335116	SP6	83546496	2.00E-06	200468
RP44_262C23	13	CL342254	T7	83351896	2.00E-30	CL342332	SP6	83557293	2.00E-12	205397
RP44_401L8	13	CL352864	SP6	87177629	8.00E-52	CL352787	T7	87393889	1.00E-07	216260
RP44_458G22	13	CL323489	T7	87272793	1.00E-53	CL323490	SP6	87455790	2.00E-12	182997
RP44_294F17	13	CL370109	T7	90705194	4.00E-06	CL370179	SP6	91644575	1.00E-16	939381
RP44_416G3	13	CL408820	T7	90880528	1.00E-37	CL408892	SP6	91154242	e-130	273714
RP44_273N10	13	CL348100	SP6	91305456	1.00E-12	CL348026	T7	91517550	1.00E-40	212094
RP44_262K20	13	CL342536	SP6	92040335	2.00E-11	CL342455	T7	92222461	1.00E-15	182126
RP44_274F17	13	CL348294	T7	93322520	8.00E-18	CL348379	SP6	93486101	0.006	163581
RP44_417B6	13	CL409726	SP6	93520521	9.00E-05	CL409664	T7	93700614	2.00E-07	180093

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RP44_309M24	13	CL349488	T7	93676200	2.00E-21	CL349565	SP6	93855244	9.00E-07	179044
RP44_304M18	13	CL371718	SP6	94185421	3.00E-17	CL371640	T7	94368607	6.00E-06	183186
RP44_324H15	13	CL382642	SP6	95259546	0.001	CL382567	T7	95488218	2.00E-43	228672
RP44_415E18	13	CL358773	T7	96737658	3.00E-48	CL408416	SP6	96917664	2.00E-36	180006
RP44_401A2	13	CL352506	SP6	96882912	9.00E-23	CL352445	T7	97143589	2.00E-08	260677
RP44_415L6	13	CL408761	SP6	99612892	2.00E-05	CL408679	T7	99819739	4.00E-47	206847
RP44_412P17	13	CL357178	SP6	99883117	2.00E-88	CL357096	T7	100115085	1.00E-27	231968
RP44_336F12	13	CL359418	T7	99988803	1.00E-06	CL359483	SP6	100146109	8.00E-17	157306
RP44_276L21	13	CL343380	SP6	101063961	4.00E-19	CL343299	T7	101334456	2.00E-21	270495
RP44_268G16	13	CL339150	SP6	101403632	2.00E-05	CL339082	T7	101594177	9.00E-17	190545
RP44_457G4	13	CL377723	T7	102505873	6.00E-09	CL377806	SP6	102690735	2.00E-14	184862
RP44_256M9	13	CL339737	T7	102520784	2.00E-08	CL339813	SP6	102694524	3.00E-04	173740
RP44_449O21	13	CL376956	T7	102680396	9.00E-08	CL377047	SP6	102877088	4.00E-07	196692
RP44_279I11	13	CL344699	T7	103203192	2.00E-20	CL344775	SP6	103402323	4.00E-13	199131
RP44_279I12	13	CL344856	T7	103203192	2.00E-33	CL344937	SP6	103402672	2.00E-15	199480
RP44_307N1	13	CL373156	SP6	105269526	1.00E-07	CL373070	T7	105498226	2.00E-27	228700
RP44_279G15	13	CL344690	T7	105416930	3.00E-05	CL344766	SP6	105634121	7.00E-06	217191
RP44_423D12	13	CL378283	SP6	105507619	3.00E-04	CL378217	T7	105698767	3.00E-08	191148
RP44_333I8	13	CL386246	SP6	105783180	3.00E-23	CL386169	T7	105917445	7.00E-58	134265
RP44_248A3	13	CL328065	T7	106408239	6.00E-86	CL328136	SP6	106608025	3.00E-32	199786
RP44_430F21	14	CL412106	SP6	19717092	1.00E-06	CL412187	T7	19859254	2.00E-33	142162
RP44_323N24	14	CL382356	SP6	19940544	5.00E-09	CL382275	T7	20084274	9.00E-05	143730
RP44_362E2	14	CL366461	T7	21364667	2.00E-72	CL366534	SP6	21534729	3.00E-07	170062
RP44_362K18	14	CL366492	T7	21364667	6.00E-83	CL366567	SP6	21534729	4.00E-07	170062
RP44_457E20	14	CL377719	T7	21746052	0.001	CL377802	SP6	21937424	2.00E-45	191372
RP44_333E18	14	CL386232	SP6	22210745	3.00E-11	CL386147	T7	22537458	9.00E-44	326713
RP44_401G21	14	CL352411	SP6	23180741	1.00E-21	CL352355	T7	23365639	1.00E-05	184898
RP44_246A10	14	CL327622	T7	23291979	8.00E-39	CL327698	SP6	23462438	2.00E-15	170459
RP44_388D24	14	CL363619	SP6	23706677	1.00E-77	CL363548	T7	23930127	3.00E-25	223450
RP44_273I12	14	CL347934	SP6	24021737	2.00E-05	CL347861	T7	24211575	3.00E-07	189838
RP44_291C21	14	CL369354	T7	24663491	5.00E-08	CL369402	SP6	24850626	1.00E-50	187135
RP44_241B15	14	CL325404	T7	25253113	3.00E-13	CL325474	SP6	25378406	1.00E-50	125293
RP44_324B11	14	CL382537	T7	25495364	4.00E-10	CL382615	SP6	25588725	2.00E-37	93361
RP44_285C15	14	CL388562	T7	26456396	5.00E-10	CL388639	SP6	26596966	2.00E-30	140570
RP44_266E23	14	CL338421	SP6	26867839	3.00E-11	CL338340	T7	27062218	5.00E-07	194379
RP44_289G24	14	CL368630	SP6	27648911	3.00E-39	CL368550	T7	27804437	0	155526
RP44_260F20	14	CL341482	T7	27702851	e-124	CL341562	SP6	27845726	4.00E-16	142875

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_307M10	14	CL372925	T7	28062596	2.00E-10	CL372990	SP6	28258462	3.00E-24	195866
RP44_408O18	14	CL354836	SP6	28064028	9.00E-05	CL354768	T7	28258466	1.00E-34	194438
RP44_258L2	14	CL340982	SP6	28215297	e-104	CL340909	T7	28369942	7.00E-06	154645
RP44_411H13	14	CL356553	SP6	28458161	7.00E-18	CL356489	T7	28660355	3.00E-11	202194
RP44_278H22	14	CL344535	T7	29842842	2.00E-33	CL344615	SP6	30037999	7.00E-98	195157
RP44_420K8	14	CL411052	T7	29995108	3.00E-04	CL411119	SP6	30203714	4.00E-28	208606
RP44_335H13	14	CL358964	T7	30995226	0.007	CL359048	SP6	31194365	5.00E-99	199139
RP44_433L18	14	CL413585	T7	31074464	6.00E-09	CL413663	SP6	31271896	5.00E-25	197432
RP44_252K13	14	CL334746	T7	31276960	7.00E-18	CL334825	SP6	31444609	2.00E-11	167649
RP44_261F8	14	CL342179	SP6	31473111	7.00E-18	CL342101	T7	31653196	2.00E-24	180085
RP44_270L19	14	CL346412	SP6	31546608	4.00E-06	CL346337	T7	31700368	e-123	153760
RP44_275H23	14	CL348954	T7	31939879	e-118	CL349036	SP6	32085223	6.00E-06	145344
RP44_262K9	14	CL342286	T7	31996160	5.00E-28	CL342364	SP6	32168706	6.00E-09	172546
RP44_335P11	14	CL359088	SP6	32045760	5.00E-12	CL359003	T7	32210297	0.005	164537
RP44_476A8	14	CL324591	SP6	32102138	0	CL324590	T7	32254588	6.00E-79	152450
RP44_275B15	14	CL348921	T7	32606987	5.00E-19	CL349003	SP6	32773971	6.00E-12	166984
RP44_422B12	14	CL378023	SP6	34397613	8.00E-33	CL377958	T7	34584758	8.00E-08	187145
RP44_325F1	14	CL383011	T7	34455135	1.00E-09	CL383096	SP6	34623813	8.00E-33	168678
RP44_367G16	14	CL367403	SP6	34745440	2.00E-08	CL367325	T7	34931320	1.00E-04	185880
RP44_284M9	14	CL388054	SP6	35060251	8.00E-08	CL387985	T7	35209700	2.00E-05	149449
RP44_436E4	14	CL414255	SP6	35072623	1.00E-09	CL414177	T7	35251104	e-169	178481
RP44_273I2	14	CL347856	T7	35138104	2.00E-42	CL347930	SP6	35309023	1.00E-09	170919
RP44_304D13	14	CL371746	T7	35150173	0.006	CL371832	SP6	35309023	2.00E-21	158850
RP44_413N14	14	CL357966	SP6	36084841	9.00E-05	CL357879	T7	36272234	2.00E-06	187393
RP44_248M3	14	CL328191	SP6	36211875	8.00E-08	CL328116	T7	36427887	1.00E-18	216012
RP44_286P2	14	CL389602	SP6	36324339	e-113	CL389525	T7	36502177	2.00E-23	177838
RP44_412O20	14	CL357015	SP6	36812119	8.00E-08	CL356947	T7	37012390	7.00E-09	200271
RP44_266G17	14	CL338348	T7	37751799	2.00E-18	CL338430	SP6	38041588	9.00E-08	289789
RP44_330G14	14	CL385147	T7	42449481	1.00E-10	CL385222	SP6	42610767	e-157	161286
RP44_286A7	14	CL389071	SP6	43392023	2.00E-18	CL388995	T7	43597740	6.00E-06	205717
RP44_248M18	14	CL328359	SP6	43417926	6.00E-09	CL328278	T7	43618576	5.00E-25	200650
RP44_255J9	14	CL336192	T7	44653134	1.00E-07	CL336267	SP6	44830165	1.00E-10	177031
RP44_449D20	14	CL377398	T7	45175980	2.00E-08	CL377466	SP6	45344538	0.004	168558
RP44_449K14	14	CL377105	T7	45455383	4.00E-10	CL377193	SP6	45609806	1.00E-28	154423
RP44_284F9	14	CL388334	SP6	47087474	5.00E-08	CL388250	T7	47357667	1.00E-15	270193
RP44_358O20	14	CL366155	SP6	48237017	6.00E-27	CL366083	T7	48429551	3.00E-07	192534
RP44_358O22	14	CL366156	SP6	48237017	3.00E-29	CL366084	T7	48429551	4.00E-10	192534

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RP44_260D21	14	CL341320	T7	48775234	1.00E-06	CL341396	SP6	48944357	0.003	169123
RP44_414H5	14	CL358303	T7	48885905	3.00E-31	CL358375	SP6	49077261	8.00E-05	191356
RP44_280J14	14	CL345829	T7	48891017	5.00E-96	CL387110	SP6	49057956	0.002	166939
RP44_324D17	14	CL382624	SP6	49898622	1.00E-10	CL382549	T7	50052892	5.00E-13	154270
RP44_408O23	14	CL354704	SP6	50938206	3.00E-04	CL354637	T7	51157697	7.00E-18	219491
RP44_402D23	14	CL353207	SP6	50951754	1.00E-10	CL353264	T7	51140212	3.00E-07	188458
RP44_270H7	14	CL346385	SP6	52085595	3.00E-90	CL346311	T7	52267450	5.00E-05	181855
RP44_269A16	14	CL339498	T7	52225787	0.001	CL345932	SP6	52405308	6.00E-09	179521
RP44_245B1	14	CL327403	SP6	52642140	e-154	CL327321	T7	52858337	2.00E-20	216197
RP44_362N18	14	CL366876	SP6	52748215	4.00E-59	CL366799	T7	52979358	5.00E-76	231143
RP44_408G8	14	CL354728	T7	55106903	1.00E-43	CL354797	SP6	55269975	e-162	163072
RP44_431B9	14	CL412816	SP6	55260913	9.00E-88	CL412734	T7	55462973	2.00E-08	202060
RP44_284F23	14	CL388256	T7	55360798	8.00E-54	CL388340	SP6	55581276	8.00E-14	220478
RP44_400E19	14	CL364829	SP6	55436676	7.00E-43	CL364890	T7	55659387	3.00E-18	222711
RP44_262K6	14	CL342448	T7	55463382	5.00E-10	CL342529	SP6	55659324	1.00E-09	195942
RP44_380J6	14	CL362826	T7	55542521	e-138	CL362901	SP6	55689850	0.006	147329
RP44_287E8	14	CL389863	SP6	56436794	9.00E-08	CL389778	T7	56596272	3.00E-57	159478
RP44_410D4	14	CL356050	T7	56468339	4.00E-13	CL356132	SP6	56643294	8.00E-05	174955
RP44_276P1	14	CL343393	SP6	56728601	8.00E-21	CL343312	T7	56915368	8.00E-24	186767
RP44_288O4	14	CL368045	SP6	56754551	2.00E-14	CL390302	T7	56932500	1.00E-25	177949
RP44_414D14	14	CL358438	T7	56955789	3.00E-04	CL358522	SP6	57121381	2.00E-17	165592
RP44_415C12	14	CL408403	SP6	57496949	4.00E-13	CL358762	T7	57588877	2.00E-06	91928
RP44_469O12	14	CL373980	SP6	58539956	2.00E-05	CL373900	T7	58741084	4.00E-16	201128
RP44_300F19	14	CL370851	T7	58802823	4.00E-07	CL370936	SP6	58993151	4.00E-16	190328
RP44_300H19	14	CL370862	T7	58802823	1.00E-04	CL370948	SP6	58993151	5.00E-12	190328
RP44_326P8	14	CL383542	T7	58809262	9.00E-05	CL383615	SP6	59018213	3.00E-17	208951
RP44_290K15	14	CL369136	SP6	58954029	2.00E-12	CL369056	T7	59134926	3.00E-87	180897
RP44_291O11	14	CL369438	SP6	58954077	3.00E-10	CL369381	T7	59127579	7.00E-04	173502
RP44_416N14	14	CL409208	SP6	60440668	2.00E-04	CL409150	T7	60595867	1.00E-25	155199
RP44_248L16	14	CL328583	T7	61776970	2.00E-12	CL333078	SP6	61914621	2.00E-09	137651
RP44_399D17	14	CL322004	T7	62254707	3.00E-04	CL322005	SP6	62411696	2.00E-82	156989
RP44_324E9	14	CL382389	T7	62802612	1.00E-06	CL382472	SP6	62951087	0.005	148475
RP44_276D11	14	CL343335	SP6	64745184	7.00E-15	CL343253	T7	64947382	8.00E-05	202198
RP44_449I12	14	CL377181	SP6	66018661	9.00E-18	CL377094	T7	66148778	0.009	130117
RP44_474E18	14	CL324238	T7	66272195	1.00E-62	CL324239	SP6	66467304	2.00E-06	195109
RP44_432H4	14	CL413309	SP6	66475511	3.00E-04	CL413230	T7	66700707	7.00E-36	225196
RP44_432N4	14	CL413338	SP6	66475511	3.00E-04	CL413261	T7	66700707	5.00E-21	225196

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RP44_388N20	14	CL363658	SP6	66686206	2.00E-10	CL363591	T7	66849661	6.00E-05	163455
RP44_431O18	14	CL412636	T7	66940582	1.00E-34	CL412726	SP6	67139132	5.00E-12	198550
RP44_443L3	14	CL376259	SP6	67744533	2.00E-24	CL376189	T7	67911799	7.00E-55	167266
RP44_471P21	14	CL375393	T7	67821389	1.00E-24	CL375475	SP6	68063809	7.00E-08	242420
RP44_471E5	14	CL374997	T7	67912483	1.00E-52	CL375082	SP6	68150306	4.00E-13	237823
RP44_246M18	14	CL327761	SP6	68043263	3.00E-17	CL327681	T7	68222368	7.00E-18	179105
RP44_313P21	14	CL351879	T7	68350038	4.00E-04	CL351962	SP6	68509709	7.00E-86	159671
RP44_457E16	14	CL377717	T7	68514419	9.00E-20	CL377800	SP6	68683368	3.00E-07	168949
RP44_248E20	14	CL328238	T7	70514656	0.006	CL328319	SP6	70699483	1.00E-13	184827
RP44_264O3	14	CL337206	SP6	71014471	3.00E-14	CL337122	T7	71183538	2.00E-21	169067
RP44_250O12	14	CL333717	T7	71135302	5.00E-83	CL333788	SP6	71345841	6.00E-48	210539
RP44_262G2	14	CL342427	T7	71231250	7.00E-15	CL342507	SP6	71391454	3.00E-07	160204
RP44_287K16	14	CL389899	SP6	72574607	6.00E-09	CL389814	T7	72781793	4.00E-07	207186
RP44_305J17	14	CL372255	T7	72646970	0.002	CL372338	SP6	72848994	2.00E-06	202024
RP44_414H21	14	CL358382	SP6	73996045	2.00E-05	CL358310	T7	74190975	5.00E-65	194930
RP44_469N11	14	CL374137	SP6	74024537	3.00E-04	CL374054	T7	74119630	2.00E-67	95093
RP44_405D14	14	CL354148	T7	74765921	9.00E-05	CL354210	SP6	74953649	1.00E-06	187728
RP44_310A22	14	CL350044	T7	75321259	3.00E-04	CL350126	SP6	75539967	6.00E-06	218708
RP44_335A24	14	CL386988	T7	75617298	6.00E-05	CL358855	SP6	75783299	1.00E-10	166001
RP44_419J11	14	CL410678	SP6	76259608	0.002	CL410604	T7	76446677	3.00E-97	187069
RP44_457O3	14	CL377599	T7	77061856	6.00E-45	CL377681	SP6	77232432	0.004	170576
RP44_367A6	14	CL367291	T7	77360864	2.00E-09	CL367374	SP6	77519510	2.00E-61	158646
RP44_288G21	14	CL390111	T7	77465821	2.00E-21	CL390193	SP6	77631357	9.00E-08	165536
RP44_471O15	14	CL375141	SP6	77890737	8.00E-17	CL375055	T7	78071230	2.00E-54	180493
RP44_257D20	14	CL340645	SP6	78115325	8.00E-23	CL340570	T7	78277361	4.00E-16	162036
RP44_380K19	14	CL362632	SP6	78196597	2.00E-15	CL362557	T7	78372612	6.00E-34	176015
RP44_284I8	14	CL388190	SP6	78754802	8.00E-57	CL388114	T7	78875956	1.00E-42	121154
RP44_266I8	14	CL338510	T7	79890787	6.00E-12	CL338593	SP6	80034905	4.00E-28	144118
RP44_388N23	14	CL363517	SP6	81145387	3.00E-14	CL363450	T7	81359722	4.00E-10	214335
RP44_411C6	14	CL356400	SP6	82544748	8.00E-08	CL356346	T7	82755447	5.00E-24	210699
RP44_309L17	14	CL349627	T7	82719459	2.00E-23	CL349705	SP6	82891626	5.00E-12	172167
RP44_332L20	14	CL386116	SP6	83699798	e-123	CL386052	T7	83841864	3.00E-05	142066
RP44_265H5	14	CL338019	T7	84185730	6.00E-28	CL338101	SP6	84400046	7.00E-46	214316
RP44_457D22	14	CL373591	T7	84312959	3.00E-51	CL323215	SP6	84507066	e-114	194107
RP44_255P20	14	CL339596	T7	84379588	4.00E-07	CL339673	SP6	84613049	5.00E-06	233461
RP44_458B16	14	CL323589	T7	84466500	2.00E-15	CL323590	SP6	84613049	1.00E-07	146549
RP44_268H1	14	CL339296	SP6	85787180	3.00E-05	CL339214	T7	85962247	7.00E-18	175067

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RP44_304L4	14	CL371956	T7	85833879	0.005	CL372037	SP6	86023747	3.00E-20	189868
RP44_274H15	14	CL348303	T7	87010208	2.00E-17	CL348388	SP6	87183078	6.00E-65	172870
RP44_265M24	14	CL337979	SP6	87250523	0.001	CL337898	T7	87416174	6.00E-09	165651
RP44_262L16	14	CL336357	SP6	88092741	2.00E-08	CL336471	T7	88296881	2.00E-08	204140
RP44_332P7	14	CL385915	T7	88283057	0.001	CL385987	SP6	88450929	3.00E-07	167872
RP44_276N24	14	CL343475	T7	89097639	2.00E-70	CL343554	SP6	89304307	3.00E-10	206668
RP44_421L16	14	CL411456	SP6	89327361	4.00E-26	CL411378	T7	89514599	3.00E-40	187238
RP44_290A6	14	CL369163	T7	90737310	1.00E-07	CL369254	SP6	90901978	3.00E-07	164668
RP44_279L14	14	CL345252	SP6	90769395	1.00E-06	CL345173	T7	90938471	5.00E-13	169076
RP44_263H16	14	CL337007	SP6	92693914	1.00E-12	CL336926	T7	92892299	7.00E-04	198385
RP44_343O13	14	CL360972	SP6	93793561	3.00E-25		T7	93979557	2.00E-04	185996
RP44_356E19	14	CL365860	SP6	95181593	4.00E-34	CL365799	T7	95360245	8.00E-42	178652
RP44_266C11	14	CL338404	SP6	95250541	1.00E-11	CL338328	T7	95461959	0.009	211418
RP44_286G17	14	CL389103	SP6	95396228	0.005	CL389028	T7	95587927	e-117	191699
RP44_428I10	14	CL379944	SP6	95767424	e-157	CL379857	T7	95960748	3.00E-04	193324
RP44_412L7	14	CL357154	SP6	96216545	1.00E-22	CL357070	T7	96405403	1.00E-21	188858
RP44_287M16	14	CL389826	T7	97968426	2.00E-42	CL389910	SP6	98174507	1.00E-20	206081
RP44_373D12	14	CL328790	SP6	98748713	6.00E-85	CL328789	T7	98849420	5.00E-09	100707
RP44_278I17	14	CL344134	SP6	100819327	2.00E-45	CL344056	T7	101050442	2.00E-19	231115
RP44_469D11	14	CL374087	SP6	100819327	2.00E-45	CL373999	T7	101050442	4.00E-17	231115
RP44_271N13	15	CL346820	T7	30637183	4.00E-28	CL346900	SP6	30783148	7.00E-51	145965
RP44_325H19	15	CL383028	T7	31225146	3.00E-42	CL383114	SP6	31367974	4.00E-04	142828
RP44_383M18	15	CL363247	SP6	31917148	6.00E-09	CL363170	T7	32103572	3.00E-05	186424
RP44_367D13	15	CL367464	T7	32514535	0.007	CL367546	SP6	32693355	1.00E-06	178820
RP44_474I16	15	CL324283	T7	32695133	8.00E-14	CL324284	SP6	32875484	3.00E-69	180351
RP44_243A5	15	CL326113	T7	32785065	4.00E-83	CL326188	SP6	32901284	2.00E-76	116219
RP44_255P10	15	CL339592	T7	32791636	3.00E-51	CL339669	SP6	33009710	5.00E-05	218074
RP44_276B5	15	CL343243	T7	32899795	0	CL343322	SP6	33057607	7.00E-09	157812
RP44_469J24	15	CL374281	SP6	33594801	1.00E-16	CL374201	T7	33735445	3.00E-04	140644
RP44_264F22	15	CL337543	T7	33631897	1.00E-50	CL337616	SP6	33776362	2.00E-89	144465
RP44_251E18	15	CL334278	T7	33865599	1.00E-41	CL334355	SP6	34006859	4.00E-04	141260
RP44_256H22	15	CL340085	SP6	34236883	2.00E-06	CL340009	T7	34387502	1.00E-07	150619
RP44_403K19	15	CL353495	SP6	34385734	e-152	CL353443	T7	34608647	2.00E-08	222913
RP44_286L21	15	CL389356	T7	34709616	5.00E-06	CL389436	SP6	34895875	1.00E-28	186259
RP44_416F9	15	CL408960	SP6	34709616	5.00E-06	CL409039	T7	34857249	3.00E-38	147633
RP44_343K11	15	CL360892	T7	35292857	e-104	CL360958	SP6	35507764	e-100	214907
RP44_325N13	15	CL383143	SP6	35464397	1.00E-31	CL383056	T7	35658649	4.00E-13	194252

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_353G15	15	CL361955	SP6	36613942	1.00E-10	CL361885	T7	36791726	3.00E-20	177784
RP44_262N15	15	CL342629	T7	36760036	7.00E-67	CL342711	SP6	37019814	1.00E-10	259778
RP44_264J5	15	CL337478	SP6	36911012	1.00E-10	CL337404	T7	37083526	4.00E-13	172514
RP44_372I17	15	CL367715	SP6	36945111	9.00E-05	CL367651	T7	37083526	3.00E-13	138415
RP44_474G2	15	CL324246	T7	36953709	3.00E-07	CL324247	SP6	37083526	4.00E-13	129817
RP44_370F24	15	CL328673	SP6	38212288	2.00E-30	CL328672	T7	38365239	2.00E-48	152951
RP44_254O7	15	CL335765	T7	38788834	3.00E-09	CL335837	SP6	38976435	1.00E-10	187601
RP44_412B15	15	CL357021	T7	38905691	3.00E-13	CL357105	SP6	39124204	3.00E-10	218513
RP44_243I6	15	CL326369	SP6	39375764	9.00E-16	CL326304	T7	39540808	e-152	165044
RP44_267G24	15	CL338897	SP6	39728183	3.00E-44	CL338830	T7	39907161	0.002	178978
RP44_425A19	15	CL378725	T7	40371541	1.00E-16	CL378805	SP6	40558260	4.00E-47	186719
RP44_426P22	15	CL379549	T7	41173521	6.00E-14	CL379637	SP6	41305386	1.00E-10	131865
RP44_332H3	15	CL385954	SP6	41754744	2.00E-04	CL385875	T7	41932749	8.00E-20	178005
RP44_287P2	15	CL390058	SP6	41813044	1.00E-12	CL389984	T7	41983673	6.00E-06	170629
RP44_248D12	15	CL328540	T7	42785611	5.00E-16	CL328617	SP6	43024806	5.00E-31	239195
RP44_422G16	15	CL411516	T7	42969804	1.00E-09	CL411595	SP6	43148188	6.00E-21	178384
RP44_396A19	15	CL364070	T7	45138979	6.00E-05	CL364156	SP6	45348869	2.00E-17	209890
RP44_311N16	15	CL351047	T7	45387646	1.00E-34	CL351130	SP6	45546183	2.00E-30	158537
RP44_263F2	15	CL336990	SP6	45415477	9.00E-05	CL336909	T7	45608148	4.00E-10	192671
RP44_246O16	15	CL327771	SP6	45447608	0.006	CL327690	T7	45632778	3.00E-54	185170
RP44_457E11	15	CL377633	SP6	45640923	1.00E-27	CL377552	T7	45795098	4.00E-26	154175
RP44_403P23	15	CL353706	T7	46506487	6.00E-34	CL353774	SP6	46637483	2.00E-18	130996
RP44_266G2	15	CL338580	SP6	46830988	0.002	CL338497	T7	47039575	6.00E-18	208587
RP44_263O21	15	CL336484	T7	49347426	6.00E-06	CL336571	SP6	49551403	3.00E-11	203977
RP44_260P21	15	CL341456	SP6	50280174	0.005	CL341375	T7	50481466	e-126	201292
RP44_260F14	15	CL341479	T7	50948290	8.00E-14	CL341559	SP6	51106943	2.00E-43	158653
RP44_253D14	15	CL335574	T7	50948989	0.004	CL335643	SP6	51128434	3.00E-10	179445
RP44_248P1	15	CL328514	SP6	51045704	4.00E-07	CL328438	T7	51216297	5.00E-25	170593
RP44_412L8	15	CL357304	SP6	51128964	2.00E-10	CL357229	T7	51265150	5.00E-24	136186
RP44_426H3	15	CL379414	SP6	53001025	4.00E-06	CL379333	T7	53238278	3.00E-07	237253
RP44_251E20	15	CL334356	SP6	53609051	6.00E-28	CL334279	T7	53791056	0.002	182005
RP44_367O18	15	CL367368	T7	55274026	4.00E-07	CL367446	SP6	55467218	4.00E-47	193192
RP44_332H23	15	CL385883	T7	57071069	7.00E-13	CL385961	SP6	57261360	0.008	190291
RP44_410H17	15	CL355909	T7	57630025	0.001	CL355993	SP6	57781279	3.00E-35	151254
RP44_433C22	15	CL413383	T7	58019553	2.00E-06	CL413471	SP6	58163122	e-133	143569
RP44_433I22	15	CL413415	T7	58019553	2.00E-06	CL413501	SP6	58163122	e-131	143569
RP44_383A11	15	CL362946	T7	58477860	5.00E-18	CL363033	SP6	58640870	3.00E-34	163010

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RP44_445P23	15	CL376788	T7	58779431	1.00E-34	CL376875	SP6	58961214	0.001	181783
RP44_256P23	15	CL339975	SP6	59153721	2.00E-08	CL339906	T7	59367358	9.00E-08	213637
RP44_422N15	15	CL377877	T7	59211541	1.00E-05	CL377943	SP6	59391395	4.00E-31	179854
RP44_246B24	15	CL327912	T7	59806874	2.00E-04	CL327992	SP6	60019415	7.00E-14	212541
RP44_326M2	15	CL383465	SP6	59878342	4.00E-78	CL383392	T7	60020388	4.00E-16	142046
RP44_356C7	15	CL365847	SP6	60941129	4.00E-19	CL365788	T7	61089692	2.00E-26	148563
RP44_243I10	15	CL326305	T7	61085805	2.00E-07	CL326371	SP6	61250737	2.00E-10	164932
RP44_445L23	15	CL376853	SP6	63027061	4.00E-41	CL376765	T7	63216933	3.00E-04	189872
RP44_416B4	15	CL409097	T7	63608604	0.001	CL409163	SP6	63762535	3.00E-22	153931
RP44_257G13	15	CL340154	T7	64189907	1.00E-96	CL340230	SP6	64392446	1.00E-46	202539
RP44_289O21	15	CL368512	SP6	64721064	2.00E-46	CL368427	T7	64896011	7.00E-89	174947
RP44_426J21	15	CL379431	SP6	64721306	2.00E-51	CL379351	T7	64897344	2.00E-15	176038
RP44_457M20	15	CL377759	T7	64956019	3.00E-78	CL377845	SP6	65120718	4.00E-06	164699
RP44_377I10	15	CL362383	T7	65181563	4.00E-10	CL362464	SP6	65339554	2.00E-40	157991
RP44_330L13	15	CL385313	T7	65226930	2.00E-12	CL385381	SP6	65392841	5.00E-74	165911
RP44_437M11	15	CL322861	SP6	65279831	2.00E-58	CL322860	T7	65479952	5.00E-04	200121
RP44_291M11	15	CL369433	SP6	65382509	1.00E-09	CL369378	T7	65550891	4.00E-22	168382
RP44_267K1	15	CL338684	T7	65449430	2.00E-06	CL338763	SP6	65614983	3.00E-10	165553
RP44_292G18	15	CL369815	T7	65490824	1.00E-10	CL369742	SP6	65665652	2.00E-58	174828
RP44_265J10	15	CL338196	T7	66300855	2.00E-23	CL338276	SP6	66470829	3.00E-13	169974
RP44_341H2	15	CL360757	T7	67570234	0.005	CL360810	SP6	67592870	1.00E-46	22636
RP44_396C16	15	CL364326	SP6	68832031	2.00E-12	CL364249	T7	69065715	0.001	233684
RP44_313H14	15	CL352087	SP6	69197279	1.00E-53	CL352002	T7	69370741	e-112	173462
RP44_250I7	15	CL333552	T7	69203872	5.00E-77	CL333619	SP6	69381058	3.00E-84	177186
RP44_261H3	15	CL342038	SP6	69480793	5.00E-43	CL341970	T7	69673472	1.00E-07	192679
RP44_362L22	15	CL366793	T7	70171941	8.00E-05	CL366868	SP6	70390894	8.00E-08	218953
RP44_257G15	15	CL340155	T7	70944247	2.00E-14	CL340231	SP6	71118368	3.00E-44	174121
RP44_280I6	15	CL345578	SP6	71858596	3.00E-45	CL345496	T7	72138348	3.00E-13	279752
RP44_433O22	15	CL413535	SP6	72063562	4.00E-35	CL413447	T7	72290078	6.00E-71	226516
RP44_312O13	15	CL351294	SP6	72686975	9.00E-32	CL351224	T7	72833876	2.00E-27	146901
RP44_261P2	15	CL342226	SP6	73976413	8.00E-21	CL342150	T7	74154009	5.00E-34	177596
RP44_263D12	15	CL336984	SP6	76858450	2.00E-24	CL336904	T7	77021145	9.00E-05	162695
RP44_296I17	15	CL370724	SP6	77277109	4.00E-16	CL370646	T7	77492436	4.00E-21	215327
RP44_323G4	15	CL382075	SP6	78558012	5.00E-19	CL381990	T7	78687800	5.00E-10	129788
RP44_269A20	15	CL345934	SP6	78573510	3.00E-04	CL339500	T7	78739374	4.00E-19	165864
RP44_268H20	15	CL339382	T7	79385790	7.00E-06	CL339461	SP6	79631435	2.00E-05	245645
RP44_275J18	15	CL342784	T7	81808532	1.00E-25	CL342865	SP6	82014972	3.00E-45	206440

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RP44_292H6	15	CL369877	T7	84256391	4.00E-22	CL369944	SP6	84413287	1.00E-83	156896
RP44_420P19	15	CL411221	T7	84527442	1.00E-49	CL411305	SP6	84760600	4.00E-38	233158
RP44_436B7	15	CL414397	SP6	84671483	7.00E-27	CL414317	T7	84813801	5.00E-10	142318
RP44_250M10	15	CL333706	T7	84993222	3.00E-04	CL333776	SP6	85275540	3.00E-20	282318
RP44_470B14	15	CL374830	T7	85000721	6.00E-09	CL374906	SP6	85253943	1.00E-43	253222
RP44_367K8	15	CL367341	T7	86205784	1.00E-19	CL367419	SP6	86374261	8.00E-58	168477
RP44_256B21	15	CL339914	SP6	86436870	1.00E-19	CL339836	T7	86595538	8.00E-36	158668
RP44_263J5	15	CL336777	T7	86817608	0.005	CL336855	SP6	86923749	6.00E-21	106141
RP44_309B14	15	CL349730	T7	86969114	e-139	CL349806	SP6	87224125	8.00E-08	255011
RP44_332F18	15	CL386019	T7	87751893	3.00E-21	CL386095	SP6	87928398	7.00E-05	176505
RP44_432H8	15	CL413311	SP6	89871270	9.00E-05	CL413232	T7	90026879	3.00E-10	155609
RP44_333K12	15	CL386258	SP6	90308580	2.00E-92	CL386182	T7	90461883	1.00E-87	153303
RP44_304F11	15	CL371842	SP6	91130861	2.00E-60	CL371755	T7	91301339	9.00E-23	170478
RP44_273N6	15	CL348024	T7	91618530	2.00E-05	CL348099	SP6	91837704	6.00E-21	219174
RP44_257B4	15	CL340556	T7	92592011	1.00E-13	CL340629	SP6	92790333	0.005	198322
RP44_411P14	15	CL356651	T7	92713014	6.00E-09	CL356715	SP6	92916763	0	203749
RP44_429A21	15	CL380333	T7	93096223	5.00E-16	CL380419	SP6	93321380	0.007	225157
RP44_334J21	15	CL386609	T7	93209472	4.00E-16	CL386677	SP6	93361327	4.00E-07	151855
RP44_289F6	15	CL368856	T7	93395375	2.00E-76	CL368939	SP6	93610820	9.00E-05	215445
RP44_431G8	15	CL412591	T7	93536608	4.00E-09	CL412678	SP6	93740864	2.00E-18	204256
RP44_285A9	15	CL388549	T7	93610058	1.00E-10	CL388631	SP6	93789434	9.00E-05	179376
RP44_431G15	15	CL412510	SP6	93742462	0.005	CL412433	T7	93924018	4.00E-13	181556
RP44_353G11	15	CL361953	SP6	94431312	4.00E-07	CL361883	T7	94579682	2.00E-52	148370
RP44_277L9	15	CL343990	SP6	94471622	8.00E-76	CL343922	T7	94671045	6.00E-15	199423
RP44_272P2	15	CL347665	SP6	94828954	1.00E-09	CL347606	T7	95011039	7.00E-64	182085
RP44_334B17	15	CL386573	T7	94829460	7.00E-11	CL386643	SP6	95030122	7.00E-05	200662
RP44_431N16	15	CL413036	SP6	95789313	5.00E-06	CL412959	T7	95965669	7.00E-06	176356
RP44_278L6	15	CL344549	T7	97174145	4.00E-04	CL344629	SP6	97341725	3.00E-23	167580
RP44_278L5	15	CL344387	T7	97174236	4.00E-07	CL344473	SP6	97341725	3.00E-23	167489
RP44_457A10	15	CL377695	T7	97636945	3.00E-08	CL377776	SP6	97807580	2.00E-98	170635
RP44_266M18	15	CL338619	SP6	98828082	4.00E-10	CL338535	T7	98994565	e-102	166483
RP44_251C22	15	CL334269	T7	98901960	3.00E-11	CL334345	SP6	99093724	3.00E-07	191764
RP44_332G2	15	CL385802	SP6	99198362	e-113	CL385729	T7	99366233	2.00E-08	167871
RP44_309H18	16	CL349837	SP6	1340803	4.00E-18	CL349762	T7	1495605	5.00E-08	154802
RP44_270D10	16	CL346450	T7	6452787	1.00E-06	CL346532	SP6	6640908	7.00E-86	188121
RP44_274N15	16	CL348338	T7	7283222	0.006	CL348421	SP6	7472841	4.00E-47	189619
RP44_275F22	16	CL349105	T7	7283222	0.006	CL342845	SP6	7472841	4.00E-47	189619

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RP44_278F9	16	CL344359	T7	8031005	1.00E-07	CL344443	SP6	8246608	6.00E-05	215603
RP44_443L7	16	CL376261	SP6	13869285	5.00E-06	CL376191	T7	14020234	0.001	150949
RP44_281E12	16	CL387322	T7	17244186	3.00E-31	CL387403	SP6	17430356	8.00E-45	186170
RP44_412C20	16	CL356889	T7	17483083	4.00E-18	CL356966	SP6	17690556	3.00E-28	207473
RP44_278A13	16	CL344093	SP6	18922703	4.00E-10	CL344016	T7	19114109	6.00E-06	191406
RP44_375C19	16	CL362154	SP6	20963175	1.00E-38	CL368009	T7	21166860	3.00E-11	203685
RP44_420M20	16	CL411067	T7	24574670	6.00E-09	CL411134	SP6	24755716	1.00E-81	181046
RP44_362C24	16	CL366460	T7	27853390	3.00E-20	CL366533	SP6	27964066	0.006	110676
RP44_274G7	16	CL348146	T7	27888759	2.00E-95	CL348220	SP6	28116231	4.00E-04	227472
RP44_274K7	16	CL348164	T7	27888759	e-104	CL348241	SP6	28116245	2.00E-05	227486
RP44_412L24	16	CL357310	SP6	28050398	3.00E-55	CL357236	T7	28262162	5.00E-16	211764
RP44_308F14	16	CL349135	T7	30967316	1.00E-65	CL349213	SP6	31195447	e-135	228131
RP44_253D21	16	CL335505	SP6	46759846	3.00E-05	CL335429	T7	46947888	5.00E-06	188042
RP44_307C20	16	CL372886	T7	49116401	2.00E-73	CL372955	SP6	49317729	2.00E-04	201328
RP44_458C19	16	CL323311	T7	50509079	8.00E-30	CL323312	SP6	50675023	3.00E-05	165944
RP44_394J8	16	CL329736	SP6	50910623	e-107	CL329735	T7	51128619	2.00E-13	217996
RP44_365E3	16	CL367248	SP6	51569411	1.00E-86	CL367183	T7	51727079	1.00E-13	157668
RP44_414P18	16	CL358502	T7	52295527	e-156	CL358582	SP6	52481290	8.00E-14	185763
RP44_432G17	16	CL413173	SP6	54621763	0.005	CL413086	T7	54868307	4.00E-60	246544
RP44_265P3	16	CL338143	SP6	54647344	3.00E-23	CL338062	T7	54871198	1.00E-15	223854
RP44_333J6	16	CL386327	T7	55145368	7.00E-10	CL386405	SP6	55341593	2.00E-05	196225
RP44_266A16	16	CL338553	SP6	55782497	2.00E-18	CL338475	T7	55973145	0.001	190648
RP44_474H24	16	CL324424	T7	57029247	1.00E-06	CL324425	SP6	57231373	1.00E-33	202126
RP44_281G13	16	CL387255	SP6	57658399	4.00E-37	CL387182	T7	57895738	3.00E-29	237339
RP44_380L17	16	CL362765	SP6	58932078	9.00E-79	CL362695	T7	59116302	1.00E-06	184224
RP44_256K3	16	CL339725	T7	59689890	6.00E-40	CL339800	SP6	59893599	2.00E-11	203709
RP44_430N21	16	CL412147	SP6	60417224	7.00E-89	CL412222	T7	60602418	7.00E-54	185194
RP44_279N15	16	CL345034	T7	61494489	2.00E-86	CL345106	SP6	61647534	4.00E-13	153045
RP44_386P14	16	CL329354	SP6	63227168	4.00E-25	CL329353	T7	63414055	2.00E-14	186887
RP44_358B15	16	CL366163	T7	64072618	2.00E-77	CL366237	SP6	64231372	0.002	158754
RP44_429C21	16	CL380344	T7	64094091	2.00E-05	CL380431	SP6	64302267	7.00E-15	208176
RP44_396O8	16	CL364301	T7	67134967	0.001	CL364382	SP6	67358965	5.00E-06	223998
RP44_327A8	16	CL383760	T7	68065728	1.00E-58	CL383840	SP6	68227742	0.004	162014
RP44_418H4	16	CL410194	T7	69037323	1.00E-22	CL410274	SP6	69211671	4.00E-10	174348
RP44_433M18	16	CL413522	SP6	69070122	3.00E-39	CL413434	T7	69235590	9.00E-58	165468
RP44_313D24	16	CL351985	T7	69330972	2.00E-07	CL352070	SP6	69479013	6.00E-06	148041
RP44_270B21	16	CL346363	SP6	69484266	7.00E-51	CL346285	T7	69631222	2.00E-08	146956

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_333O14	16	CL386278	SP6	70400884	2.00E-09	CL386204	T7	70561680	1.00E-06	160796
RP44_437I20	16	CL322954	T7	72159178	0	CL322955	SP6	72329934	0.002	170756
RP44_475K17	16	CL324507	T7	72162328	4.00E-06	CL324508	SP6	72329414	2.00E-13	167086
RP44_353C19	16	CL361938	SP6	72584034	2.00E-09	CL361868	T7	72753251	0.004	169217
RP44_400N18	16	CL352319	T7	72959666	4.00E-22	CL365299	SP6	73172286	3.00E-04	212620
RP44_474O6	16	CL324342	T7	73006293	1.00E-07	CL324343	SP6	73172483	7.00E-04	166190
RP44_262C2	16	CL342485	SP6	73038237	9.00E-30	CL342405	T7	73210772	3.00E-11	172535
RP44_241N23	16	CL325458	T7	73161402	6.00E-18	CL325536	SP6	73341753	6.00E-30	180351
RP44_281F5	16	CL387476	T7	73173030	1.00E-47	CL387561	SP6	73385235	2.00E-18	212205
RP44_280N22	16	CL387136	SP6	73553456	1.00E-81	CL345855	T7	73781716	6.00E-06	228260
RP44_332K10	16	CL385748	T7	73719614	1.00E-07	CL385821	SP6	73939361	2.00E-49	219747
RP44_367C16	16	CL367387	SP6	73926928	2.00E-09	CL367305	T7	74071798	1.00E-04	144870
RP44_410A22	16	CL355726	T7	76941778	2.00E-15	CL355804	SP6	77097421	0.003	155643
RP44_305B2	16	CL372453	SP6	78177864	1.00E-06	CL372370	T7	78401794	2.00E-84	223930
RP44_284C14	16	CL388162	SP6	78490560	2.00E-40	CL388086	T7	78700538	6.00E-04	209978
RP44_266K14	16	CL338524	T7	79961973	1.00E-34	CL338607	SP6	80176661	6.00E-09	214688
RP44_253F13	16	CL335434	T7	82190453	9.00E-08	CL335509	SP6	82386195	5.00E-06	195742
RP44_334C8	16	CL386513	SP6	82683823	2.00E-08	CL386448	T7	82882577	6.00E-46	198754
RP44_330F2	16	CL385423	T7	85348554	4.00E-04	CL385502	SP6	85554783	2.00E-23	206229
RP44_458K5	16	CL323374	T7	85348554	4.00E-04	CL323375	SP6	85554783	5.00E-06	206229
RP44_417P9	17	CL409576	T7	299201	8.00E-14	CL409655	SP6	571629	6.00E-05	272428
RP44_362H11	17	CL366696	SP6	1681881	9.00E-36	CL366621	T7	1969234	2.00E-11	287353
RP44_251I9	17	CL334218	SP6	2250774	6.00E-08	CL334137	T7	2521706	1.00E-99	270932
RP44_289F14	17	CL368859	T7	5559216	2.00E-57	CL368943	SP6	5909479	3.00E-07	350263
RP44_335O11	17	CL386891	T7	5964281	3.00E-07	CL386972	SP6	6196815	6.00E-18	232534
RP44_253J16	17	CL335669	SP6	6472238	0.004	CL335602	T7	6667490	2.00E-35	195252
RP44_363A19	17	CL366959	SP6	8283768	2.00E-26	CL366893	T7	8480139	2.00E-17	196371
RP44_242B19	17	CL325928	T7	10157456	4.00E-34	CL325980	SP6	10350396	4.00E-06	192940
RP44_274N18	17	CL348495	T7	14408494	1.00E-16	CL348570	SP6	14789126	1.00E-25	380632
RP44_314L11	17	CL381008	SP6	14506470	0.002	CL380929	T7	14789126	3.00E-24	282656
RP44_457D15	17	CL373512	T7	15859981	4.00E-04	CL323127	SP6	16060928	1.00E-33	200947
RP44_474O14	17	CL324351	SP6	19168144	1.00E-12	CL324350	T7	19549045	2.00E-08	380901
RP44_285E20	17	CL388728	T7	25979134	8.00E-21	CL388803	SP6	26223821	3.00E-11	244687
RP44_245N17	17	CL327388	T7	26153730	7.00E-05	CL327458	SP6	26330260	e-163	176530
RP44_295H9	17	CL370412	SP6	26600839	8.00E-07	CL370362	T7	26798929	1.00E-45	198090
RP44_336F3	17	CL359341	SP6	29698826	1.00E-37	CL359265	T7	29917663	4.00E-07	218837
RP44_412K16	17	CL356997	SP6	30346402	2.00E-04	CL356927	T7	30550896	1.00E-12	204494

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RP44_241G19	17	CL325297	T7	30367912	3.00E-29	CL325362	SP6	30554193	1.00E-43	186281
RP44_415P24	17	CL408709	T7	32891202	1.00E-06	CL408792	SP6	33116319	2.00E-43	225117
RP44_383M19	17	CL363014	T7	35309663	2.00E-08	CL363094	SP6	35539356	1.00E-05	229693
RP44_383O20	17	CL363180	T7	35309663	7.00E-06	CL363258	SP6	35539208	3.00E-16	229545
RP44_244D6	17	CL326928	T7	36632281	2.00E-10	CL327000	SP6	36807041	1.00E-52	174760
RP44_416H2	17	CL409185	SP6	37458006	4.00E-06	CL409122	T7	37701220	5.00E-09	243214
RP44_250I20	17	CL333691	T7	37481571	9.00E-64	CL333763	SP6	37701220	4.00E-09	219649
RP44_307P17	17	CL373088	T7	37486703	4.00E-04	CL373173	SP6	37701220	6.00E-09	214517
RP44_300H21	17	CL370863	T7	37584260	7.00E-20	CL370949	SP6	37777142	5.00E-15	192882
RP44_284F6	17	CL388416	T7	38276169	2.00E-06	CL388495	SP6	38478555	2.00E-66	202386
RP44_374D21	17	CL367881	T7	38473592	7.00E-24	CL367939	SP6	38608345	6.00E-15	134753
RP44_284H19	17	CL388350	SP6	39642550	9.00E-04	CL388266	T7	39892514	2.00E-17	249964
RP44_252G12	17	CL334940	SP6	40764464	1.00E-37	CL334873	T7	40964824	2.00E-30	200360
RP44_426F17	17	CL379328	T7	40837669	2.00E-39	CL379410	SP6	41045408	3.00E-07	207739
RP44_248B13	17	CL328454	SP6	41994343	1.00E-31	CL328379	T7	42219146	5.00E-09	224803
RP44_279F10	17	CL345144	T7	44062055	3.00E-08	CL345224	SP6	44232800	6.00E-12	170745
RP44_422D21	17	CL377903	SP6	45052060	3.00E-11	CL411654	T7	45255531	5.00E-12	203471
RP44_280H22	17	CL345822	T7	46076302	2.00E-89	CL387104	SP6	46255227	1.00E-43	178925
RP44_343P15	17	CL361102	SP6	47741330	5.00E-09	CL361035	T7	47899504	2.00E-06	158174
RP44_428F20	17	CL380176	T7	48370962	3.00E-38	CL380265	SP6	48554727	9.00E-60	183765
RP44_414G4	17	CL358221	SP6	48906835	2.00E-21	CL358145	T7	49095856	1.00E-06	189021
RP44_309P9	17	CL349721	SP6	53356685	9.00E-54	CL349642	T7	53521215	3.00E-07	164530
RP44_314M21	17	CL352193	T7	53356961	1.00E-19	CL352263	SP6	53486643	1.00E-13	129682
RP44_404L6	17	CL322425	T7	53964296	2.00E-08	CL322426	SP6	54119069	2.00E-20	154773
RP44_274L8	17	CL348480	T7	54521397	0.002	CL348557	SP6	54750709	1.00E-13	229312
RP44_403O22	17	CL353579	T7	54680604	5.00E-16	CL353645	SP6	54873516	3.00E-05	192912
RP44_386B6	17	CL329234	SP6	54740169	4.00E-49	CL329233	T7	54928399	6.00E-13	188230
RP44_299P24	17	CL440134	T7	55199569	1.00E-46			55380520	1.00E-61	180951
RP44_279M19	17	CL344724	T7	55603938	2.00E-06	CL344800	SP6	55823665	0.002	219727
RP44_410H4	17	CL356153	SP6	55824128	9.00E-26	CL356070	T7	56009739	6.00E-52	185611
RP44_404E12	17	CL322258	T7	56704057	1.00E-09	CL322259	SP6	56885837	2.00E-06	181780
RP44_333P20	17	CL386364	T7	60212486	7.00E-06	CL386438	SP6	60445247	4.00E-04	232761
RP44_362A4	17	CL366445	T7	60455534	9.00E-05	CL366516	SP6	60617645	3.00E-08	162111
RP44_295D7	17	CL370397	SP6	61378257	2.00E-20	CL370352	T7	61539844	4.00E-05	161587
RP44_353F8	17	CL365403	T7	61784499	2.00E-33	CL365476	SP6	61807720	2.00E-79	23221
RP44_267G15	17	CL338750	SP6	63645540	4.00E-18	CL338670	T7	63861683	4.00E-07	216143
RP44_272G23	17	CL347195	SP6	64017938	0.001	CL347121	T7	64259835	e-129	241897

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RP44_259C22	17	CL341095	SP6	64902546	3.00E-69	CL341021	T7	65098643	1.00E-12	196097
RP44_449K22	17	CL377197	SP6	66841917	0.002	CL377109	T7	67076145	1.00E-13	234228
RP44_343L7	17	CL361016	T7	67415342	2.00E-24	CL361080	SP6	67662295	3.00E-38	246953
RP44_301M15	17	CL371046	T7	67784790	6.00E-05	CL371116	SP6	67996365	1.00E-06	211575
RP44_423P4	17	CL378325	SP6	67880031	3.00E-07	CL378266	T7	68069971	4.00E-19	189940
RP44_269E2	17	CL345946	SP6	67926055	1.00E-04	CL345869	T7	68012787	1.00E-28	86732
RP44_290G3	17	CL369112	SP6	68438873	3.00E-05	CL369031	T7	68620040	1.00E-34	181167
RP44_258F1	17	CL340809	SP6	68453105	7.00E-64	CL340728	T7	68629556	9.00E-51	176451
RP44_424G10	17	CL378434	SP6	68629451	1.00E-37	CL378371	T7	68833726	0.006	204275
RP44_424I10	17	CL378444	SP6	68629451	6.00E-46	CL378380	T7	68833726	0.006	204275
RP44_416G4	17	CL322651	T7	68855270	1.00E-64	CL322652	SP6	69087256	8.00E-08	231986
RP44_286G22	17	CL389191	T7	69021490	1.00E-28	CL389267	SP6	69211616	8.00E-55	190126
RP44_255O5	17	CL336055	T7	69946260	6.00E-49	CL336139	SP6	70163391	8.00E-30	217131
RP44_401C16	17	CL352517	SP6	70133639	2.00E-49	CL352456	T7	70343032	3.00E-07	209393
RP44_261H24	17	CL342195	SP6	70465167	e-101	CL342117	T7	70644067	2.00E-57	178900
RP44_417I22	17	CL409498	SP6	70679081	7.00E-12	CL409422	T7	70751792	6.00E-09	72711
RP44_292E22	17	CL369733	SP6	70694342	6.00E-06	CL369807	T7	70924267	3.00E-20	229925
RP44_416B16	17	CL409103	T7	71858668	3.00E-57	CL409168	SP6	72039379	2.00E-08	180711
RP44_422P14	17	CL378015	T7	77659014	4.00E-04	CL378080	SP6	77907179	4.00E-32	248165
RP44_412E6	17	CL356970	SP6	78379395	2.00E-06	CL356893	T7	78596948	0.005	217553
RP44_458E23	18	CL323332	T7	984575	1.00E-06	CL323333	SP6	1340182	4.00E-07	355607
RP44_248N7	18	CL328429	T7	1829215	0.001	CL328506	SP6	2031473	3.00E-23	202258
RP44_268F21	18	CL339212	T7	4044887	4.00E-10	CL339294	SP6	4244854	3.00E-05	199967
RP44_268G21	18	CL338957	T7	4044888	1.00E-09	CL339018	SP6	4244854	2.00E-05	199966
RP44_287G16	18	CL389877	SP6	4446220	3.00E-56	CL389793	T7	4709393	0.006	263173
RP44_290O17	18	CL369079	T7	5812647	2.00E-27	CL369158	SP6	6042804	7.00E-15	230157
RP44_269C8	18	CL339504	T7	12454862	2.00E-09	CL345938	SP6	12714628	6.00E-40	259766
RP44_269E6	18	CL345871	T7	12454862	1.00E-09	CL345948	SP6	12714628	5.00E-40	259766
RP44_428M12	18	CL379880	T7	22480618	4.00E-47	CL379967	SP6	22649012	1.00E-52	168394
RP44_394N20	18	CL329785	T7	22535479	6.00E-52	CL329786	SP6	22779836	4.00E-65	244357
RP44_433E8	18	CL413388	T7	22701641	e-110	CL413475	SP6	22904660	7.00E-67	203019
RP44_269A18	18	CL339499	T7	23108643	1.00E-19	CL345933	SP6	23337245	1.00E-16	228602
RP44_396O14	18	CL364385	SP6	23893689	1.00E-06	CL364304	T7	24123728	5.00E-43	230039
RP44_251B7	18	CL334482	SP6	24044513	7.00E-15	CL334409	T7	24225302	1.00E-13	180789
RP44_277J13	18	CL343982	SP6	24541704	0.006	CL343915	T7	24718639	4.00E-13	176935
RP44_409A24	18	CL355151	T7	24620006	6.00E-27	CL355226	SP6	24812562	1.00E-07	192556
RP44_367K14	18	CL367344	T7	25278356	2.00E-06	CL367422	SP6	25470012	2.00E-06	191656

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RP44_330N15	18	CL385390	SP6	25912061	9.00E-05	CL385320	T7	26143544	3.00E-69	231483
RP44_324E15	18	CL382475	SP6	27894901	1.00E-06	CL382392	T7	28089397	9.00E-05	194496
RP44_418F14	18	CL410270	SP6	28534691	6.00E-18	CL410187	T7	28711576	2.00E-09	176885
RP44_471I10	18	CL375191	T7	29957792	4.00E-16	CL375277	SP6	29977512	4.00E-16	19720
RP44_270D13	18	CL346293	T7	30059326	0.001	CL346369	SP6	30242421	2.00E-63	183095
RP44_288K9	18	CL390125	T7	30188336	1.00E-05	CL390210	SP6	30401107	1.00E-14	212771
RP44_285M7	18	CL388685	SP6	30692109	1.00E-49	CL388610	T7	30913817	1.00E-10	221708
RP44_285O15	18	CL388699	SP6	30692109	6.00E-65	CL388624	T7	30913817	1.00E-10	221708
RP44_478P12	18	CL325008	T7	30840706	4.00E-10	CL325009	SP6	31009297	5.00E-05	168591
RP44_274A5	18	CL348193	SP6	31041016	e-108	CL348117	T7	31200045	1.00E-80	159029
RP44_289B1	18	CL368755	SP6	31491008	2.00E-15	CL368674	T7	31634299	6.00E-06	143291
RP44_412A11	18	CL356799	SP6	32017316	3.00E-07	CL356725	T7	32183290	5.00E-10	165974
RP44_377M4	18	CL362402	T7	32112250	1.00E-50	CL362482	SP6	32280074	9.00E-73	167824
RP44_261E1	18	CL341713	SP6	32447213	2.00E-06	CL341637	T7	32629399	1.00E-07	182186
RP44_337C10	18	CL359657	T7	32721950	2.00E-12	CL359719	SP6	32905076	1.00E-09	183126
RP44_431C3	18	CL412409	T7	33991535	2.00E-06	CL412490	SP6	34156484	6.00E-43	164949
RP44_310H6	18	CL350389	T7	34902072	9.00E-08	CL350468	SP6	35040561	3.00E-39	138489
RP44_311H9	18	CL350851	T7	35137184	2.00E-21	CL350933	SP6	35265412	2.00E-45	128228
RP44_329H20	18	CL384944	SP6	35987642	2.00E-04	CL384881	T7	36158514	2.00E-22	170872
RP44_272E7	18	CL347103	T7	36096211	6.00E-06	CL347178	SP6	36273625	6.00E-09	177414
RP44_404H14	18	CL322396	T7	36810351	4.00E-24	CL322397	SP6	36989231	7.00E-08	178880
RP44_309P13	18	CL349722	SP6	36845105	0.006	CL349643	T7	37000167	e-128	155062
RP44_326M4	18	CL383393	T7	38172677	e-101	CL383466	SP6	38322698	1.00E-31	150021
RP44_330O6	18	CL385179	T7	38174341	4.00E-04	CL385257	SP6	38322698	7.00E-24	148357
RP44_400K14	18	CL364970	T7	38323265	2.00E-29	CL365049	SP6	38505927	0.004	182662
RP44_242F3	18	CL325989	SP6	38886502	4.00E-96	CL325936	T7	39054683	e-116	168181
RP44_394H18	18	CL329724	SP6	39331499	1.00E-34	CL329723	T7	39472993	5.00E-49	141494
RP44_405I17	18	CL354010	SP6	43010430	6.00E-21	CL353937	T7	43194079	0.003	183649
RP44_362G22	18	CL366481	T7	43586172	2.00E-39	CL366553	SP6	43732094	1.00E-47	145922
RP44_249L16	18	CL333422	T7	44469966	6.00E-18	CL333500	SP6	44645245	e-145	175279
RP44_449I14	18	CL377095	T7	44692489	1.00E-42	CL377182	SP6	44847403	4.00E-19	154914
RP44_449K12	18	CL377104	T7	44692489	8.00E-43	CL377192	SP6	44847403	2.00E-04	154914
RP44_449G14	18	CL377084	T7	44692491	2.00E-41	CL377170	SP6	44847403	4.00E-19	154912
RP44_403M8	18	CL353563	T7	50226066	1.00E-31	CL353630	SP6	50399522	3.00E-05	173456
RP44_426L5	18	CL379435	SP6	50231805	5.00E-09	CL379355	T7	50404000	0.006	172195
RP44_252G18	18	CL334943	SP6	50366009	4.00E-13	CL334876	T7	50508612	4.00E-19	142603
RP44_458A4	18	CL323435	SP6	51316652	2.00E-12	CL323434	T7	51482849	6.00E-09	166197

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RP44_335A19	18	CL386905	SP6	51569234	e-169	CL386830	T7	51688457	5.00E-59	119223
RP44_333F8	18	CL386385	SP6	51569246	e-160	CL386304	T7	51706621	2.00E-92	137375
RP44_415P17	18	CL408540	T7	51637954	6.00E-45	CL408626	SP6	51822180	3.00E-17	184226
RP44_268J5	18	CL339309	SP6	51851782	3.00E-04	CL339227	T7	52047978	6.00E-06	196196
RP44_358A16	18	CL366028	T7	52332863	5.00E-55	CL366090	SP6	52537722	0.001	204859
RP44_246N4	18	CL328043	SP6	52593811	4.00E-59	CL327962	T7	52798240	5.00E-06	204429
RP44_324I3	18	CL382408	T7	52618315	3.00E-26	CL382493	SP6	52755065	e-120	136750
RP44_388L23	18	CL363507	SP6	52631823	6.00E-43	CL363441	T7	52796047	1.00E-31	164224
RP44_430K5	18	CL411800	T7	52708083	4.00E-13	CL411883	SP6	52916897	3.00E-63	208814
RP44_335E14	18	CL387003	T7	52709986	3.00E-23	CL358871	SP6	52864525	4.00E-04	154539
RP44_282M13	18	CL387760	SP6	53218811	5.00E-06	CL387683	T7	53401199	1.00E-05	182388
RP44_327G3	18	CL383717	SP6	54134202	0.005	CL383649	T7	54316986	4.00E-93	182784
RP44_409F17	18	CL355323	T7	54646260	3.00E-87	CL355403	SP6	54840612	2.00E-08	194352
RP44_358G10	18	CL366054	T7	54938322	e-131	CL366116	SP6	55065911	6.00E-21	127589
RP44_469A14	18	CL373827	T7	55255202	3.00E-69	CL373910	SP6	55433402	2.00E-05	178200
RP44_289D21	18	CL368694	T7	55967192	2.00E-30	CL368773	SP6	56163960	1.00E-28	196768
RP44_335G3	18	CL386853	T7	57870121	2.00E-08	CL386930	SP6	58196153	0.001	326032
RP44_408D17	18	CL354944	SP6	58458785	4.00E-65	CL354857	T7	58652081	2.00E-15	193296
RP44_262L1	18	CL342611	T7	58714728	2.00E-06	CL342694	SP6	58904596	9.00E-11	189868
RP44_262G18	18	CL342433	T7	58796662	2.00E-36	CL342512	SP6	58982085	2.00E-23	185423
RP44_469F7	18	CL374009	T7	58941140	4.00E-13	CL374095	SP6	59090199	2.00E-08	149059
RP44_470N6	18	CL374958	SP6	59545524	2.00E-78	CL374885	T7	59758432	e-139	212908
RP44_315P24	18	CL381525	SP6	59560208	2.00E-13	CL381449	T7	59768401	0.005	208193
RP44_400B3	18	CL365152	SP6	59672359	3.00E-20	CL365070	T7	59891074	1.00E-13	218715
RP44_300H13	18	CL370945	SP6	60291407	1.00E-25	CL370859	T7	60506414	1.00E-16	215007
RP44_435F12	18	CL414016	T7	60725692	1.00E-04	CL414072	SP6	60883927	2.00E-10	158235
RP44_251K22	18	CL334384	SP6	61473594	3.00E-05	CL334306	T7	61709999	2.00E-18	236405
RP44_458O9	18	CL323421	SP6	63839301	7.00E-39	CL323420	T7	64115363	e-107	276062
RP44_416D12	18	CL409175	SP6	64356577	0.001	CL409109	T7	64583931	2.00E-73	227354
RP44_420G6	18	CL411035	T7	65382445	7.00E-08	CL411105	SP6	65640609	2.00E-18	258164
RP44_268L4	18	CL339474	SP6	65527217	4.00E-07	CL339397	T7	65725940	3.00E-17	198723
RP44_297H14	18	CL439900	SP6	66392427	4.00E-16	CL439818	T7	66574487	2.00E-09	182060
RP44_248P21	18	CL328448	T7	66663259	4.00E-07	CL328524	SP6	66880438	2.00E-05	217179
RP44_281C6	18	CL387389	SP6	67808155	0.006	CL387307	T7	68009903	1.00E-96	201748
RP44_362D6	18	CL366823	SP6	67948030	2.00E-06	CL366749	T7	68112574	0.002	164544
RP44_364C7	18	CL367105	SP6	67948725	2.00E-30	CL367032	T7	68139060	1.00E-19	190335
RP44_323O8	18	CL382117	SP6	68704095	4.00E-41	CL382033	T7	68907196	2.00E-06	203101

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RP44_268F13	18	CL339209	T7	68830169	2.00E-17	CL339291	SP6	69062724	2.00E-06	232555
RP44_277I11	18	CL343686	SP6	68910239	2.00E-06	CL343607	T7	69095705	1.00E-07	185466
RP44_262F12	18	CL336443	SP6	70817612	3.00E-14	CL342752	T7	71107794	2.00E-05	290182
RP44_324P17	18	CL382607	T7	72341147	1.00E-90	CL382658	SP6	72501623	4.00E-04	160476
RP44_401M10	18	CL352556	SP6	72423773	2.00E-08	CL352495	T7	72678299	3.00E-16	254526
RP44_299P2	18	CL440125	T7	72675240	6.00E-06	CL440196	SP6	72858033	7.00E-27	182793
RP44_332E1	18	CL385584	T7	75314129	e-156	CL385657	SP6	75563907	3.00E-13	249778
RP44_353D1	18	CL362071	SP6	75374387	3.00E-04	CL361998	T7	75563907	5.00E-12	189520
RP44_269E18	18	CL345876	SP6	75602898	3.00E-20	CL345950	SP6	75846586	e-124	243688
RP44_333C20	18	CL386223	SP6	76309355	2.00E-24	CL386140	T7	76537891	4.00E-19	228536
RP44_314C23	19	CL352219	SP6	5634766	1.00E-43	CL352149	T7	5871549	1.00E-09	236783
RP44_297P2	19	CL439933	SP6	12896321	9.00E-45	CL439856	T7	13110208	1.00E-40	213887
RP44_425G20	19	CL378916	T7	19304904	2.00E-09	CL378987	SP6	19521121	7.00E-36	216217
RP44_326I16	19	CL383450	SP6	33322085	2.00E-67	CL383378	T7	33512528	7.00E-09	190443
RP44_372E19	19	CL367703	SP6	37277727	4.00E-16	CL367639	T7	37509536	8.00E-08	231809
RP44_410I8	19	CL355759	T7	37277727	3.00E-16	CL355832	SP6	37507273	1.00E-14	229546
RP44_280J22	19	CL345833	T7	40710723	5.00E-35	CL345749	SP6	40908057	2.00E-04	197334
RP44_250M2	19	CL333773	SP6	43860279	2.00E-58	CL333702	T7	44066376	7.00E-14	206097
RP44_422E16	19	CL411584	SP6	50813624	8.00E-63	CL411509	T7	51055922	9.00E-14	242298
RP44_251O19	20	CL334168	T7	1166807	5.00E-25	CL334249	SP6	1403083	6.00E-09	236276
RP44_383L1	20	CL363302	T7	2051620	2.00E-38	CL363371	SP6	2239879	2.00E-42	188259
RP44_373J8	20	CL328843	T7	2924897	9.00E-05	CL328844	SP6	3100774	9.00E-11	175877
RP44_332H12	20	CL386104	SP6	7749474	4.00E-09	CL386028	T7	7912264	2.00E-05	162790
RP44_268G23	20	CL339019	SP6	7779647	3.00E-10	CL338958	T7	7967032	1.00E-06	187385
RP44_479P1	20	CL325240	SP6	8296389	9.00E-11	CL325239	T7	8444242	4.00E-04	147853
RP44_470N13	20	CL374723	T7	9330107	7.00E-36	CL374809	SP6	9501988	3.00E-07	171881
RP44_323B10	20	CL382206	T7	10682743	8.00E-11	CL382287	SP6	10851502	5.00E-65	168759
RP44_310O5	20	CL350026	SP6	10851468	3.00E-97	CL349946	T7	11004697	2.00E-09	153229
RP44_414C14	20	CL358207	SP6	10857459	4.00E-28	CL358134	T7	11023270	9.00E-16	165811
RP44_389H13	20	CL363694	SP6	11559204	6.00E-40	CL363760	T7	11587889	2.00E-67	28685
RP44_419F23	20	CL410588	T7	13341206	2.00E-09	CL410661	SP6	13552423	1.00E-22	211217
RP44_288P8	20	CL368272	T7	13444440	4.00E-81	CL368333	SP6	13665187	2.00E-04	220747
RP44_478J2	20	CL324951	T7	13612880	3.00E-07	CL324952	SP6	13651014	1.00E-06	38134
RP44_284O17	20	CL388068	SP6	14072310	5.00E-22	CL387999	T7	14237060	6.00E-34	164750
RP44_333O12	20	CL386203	T7	14272254	2.00E-17	CL386277	SP6	14464754	6.00E-06	192500
RP44_243K16	20	CL326315	T7	14461224	0.004	CL326381	SP6	14640611	4.00E-71	179387
RP44_471H4	20	CL375505	T7	14484048	5.00E-65	CL375579	SP6	14634471	9.00E-14	150423

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RP44_402E11	20	CL352989	SP6	15164251	4.00E-65	CL352914	T7	15310483	2.00E-05	146232
RP44_449M5	20	CL377028	SP6	15583376	2.00E-18	CL376939	T7	15765537	3.00E-20	182161
RP44_414F22	20	CL358453	T7	15583383	1.00E-16	CL358537	SP6	15781311	3.00E-13	197928
RP44_408A20	20	CL354711	T7	16128748	6.00E-06	CL354778	SP6	16323337	2.00E-58	194589
RP44_330A24	20	CL385121	T7	19453196	3.00E-10	CL385196	SP6	19579672	3.00E-04	126476
RP44_449M19	20	CL376945	T7	30839438	1.00E-09	CL377035	SP6	31094057	2.00E-14	254619
RP44_404O18	20	CL322354	SP6	31078964	1.00E-80	CL322353	T7	31317119	2.00E-13	238155
RP44_426N5	20	CL379444	SP6	31293752	5.00E-18	CL379365	T7	31492299	2.00E-11	198547
RP44_311J15	20	CL350866	T7	31770923	3.00E-91	CL350959	SP6	31966369	2.00E-05	195446
RP44_417N19	20	CL409649	SP6	34408404	2.00E-08	CL409575	T7	34587361	5.00E-12	178957
RP44_256B17	20	CL339912	SP6	34996211	1.00E-46	CL339834	T7	35183587	2.00E-08	187376
RP44_304C12	20	CL371669	SP6	36152469	1.00E-07	CL371594	T7	36451340	9.00E-06	298871
RP44_425E23	20	CL378748	T7	36983308	4.00E-44	CL378829	SP6	37150012	2.00E-30	166704
RP44_425E1	20	CL378738	T7	38252898	4.00E-34	CL378819	SP6	38491057	1.00E-18	238159
RP44_337O10	20	CL359704	T7	39178800	9.00E-17	CL359760	SP6	39398062	4.00E-19	219262
RP44_332E19	20	CL385661	SP6	40573834	4.00E-09	CL385591	T7	40679818	1.00E-06	105984
RP44_326A18	20	CL383337	T7	42586117	0.006	CL383415	SP6	42835131	5.00E-28	249014
RP44_295D20	20	CL370476	T7	43263763	1.00E-06	CL370553	SP6	43473628	4.00E-59	209865
RP44_302A14	20	CL371134	T7	44320157	5.00E-36	CL371211	SP6	44537202	2.00E-04	217045
RP44_358P12	20	CL366437	SP6	45317650	3.00E-04	CL366369	T7	45494732	3.00E-69	177082
RP44_333K20	20	CL386261	SP6	46718944	4.00E-07	CL386186	T7	46923850	5.00E-28	204906
RP44_424J21	20	CL378506	T7	48406539	1.00E-68	CL378566	SP6	48593206	2.00E-09	186667
RP44_436G18	20	CL414192	T7	48634074	2.00E-11	CL414271	SP6	48889893	4.00E-37	255819
RP44_411C17	20	CL356291	SP6	49289564	2.00E-08	CL356218	T7	49483136	9.00E-05	193572
RP44_429E21	20	CL380353	T7	49863341	8.00E-33	CL380440	SP6	50126468	6.00E-09	263127
RP44_422J18	20	CL378059	SP6	50647751	4.00E-04	CL377994	T7	50849588	3.00E-78	201837
RP44_469M17	20	CL373717	T7	50787006	6.00E-06	CL373806	SP6	50959198	4.00E-16	172192
RP44_353L19	20	CL362110	SP6	50837598	e-150	CL362042	T7	51019417	1.00E-10	181819
RP44_470D17	20	CL374756	SP6	51652361	3.00E-04	CL374674	T7	51832625	1.00E-52	180264
RP44_449P20	20	CL377447	T7	52166130	e-148	CL377522	SP6	52343642	4.00E-07	177512
RP44_383J13	20	CL363298	T7	52393928	1.00E-25	CL363367	SP6	52552014	1.00E-46	158086
RP44_244I15	20	CL326658	T7	52448901	1.00E-06	CL326731	SP6	52655307	1.00E-06	206406
RP44_274L18	20	CL348485	T7	52465840	4.00E-07	CL348562	SP6	52476966	e-113	11126
RP44_469J6	20	CL374193	T7	53220329	3.00E-35	CL374274	SP6	53387836	1.00E-06	167507
RP44_258F9	20	CL340731	T7	53239950	5.00E-18	CL340813	SP6	53467363	6.00E-05	227413
RP44_275M8	20	CL348895	SP6	54467139	6.00E-15	CL348804	T7	54673263	4.00E-10	206124
RP44_399N1	20	CL322100	SP6	57811369	8.00E-11	CL322099	T7	58023208	1.00E-06	211839

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RP44_431M20	20	CL412715	SP6	57905269	2.00E-05	CL412625	T7	58111315	8.00E-15	206046
RP44_277L19	21	CL343927	T7	14787085	1.00E-93	CL343995	SP6	15043325	0.007	256240
RP44_344F20	21	CL361203	SP6	14986033	1.00E-22	CL361131	T7	15172522	0	186489
RP44_287H4	21	CL389952	T7	15171388	e-105	CL390023	SP6	15361632	2.00E-20	190244
RP44_402A10	21	CL353045	T7	15260977	0	CL353122	SP6	15435230	e-174	174253
RP44_285P6	21	CL388983	SP6	15299400	3.00E-49	CL388917	T7	15493408	2.00E-04	194008
RP44_412H5	21	CL357047	T7	16157414	4.00E-06	CL357130	SP6	16361089	7.00E-14	203675
RP44_311L17	21	CL350876	T7	18090067	7.00E-12	CL350946	SP6	18254001	3.00E-11	163934
RP44_380D1	21	CL362661	T7	19634670	1.00E-75	CL362723	SP6	19735810	1.00E-28	101140
RP44_334P16	21	CL386764	T7	20097950	3.00E-41	CL386819	SP6	20318241	6.00E-05	220291
RP44_478H11	21	CL324838	SP6	20400705	1.00E-58	CL324837	T7	20430054	e-130	29349
RP44_470A4	21	CL374483	T7	27183152	1.00E-62	CL374569	SP6	27302709	1.00E-22	119557
RP44_246H17	21	CL327799	T7	27212049	8.00E-27	CL327869	SP6	27355191	5.00E-06	143142
RP44_245G17	21	CL327091	T7	27426449	1.00E-17	CL327163	SP6	27560905	1.00E-41	134456
RP44_266A19	21	CL338396	SP6	29716058	3.00E-88	CL338320	T7	29865125	2.00E-30	149067
RP44_258N9	21	CL340848	SP6	29824114	5.00E-37	CL340771	T7	29969153	2.00E-08	145039
RP44_309B5	21	CL349649	SP6	29845975	1.00E-50	CL349578	T7	29936905	8.00E-12	90930
RP44_420D21	21	CL411164	T7	30666046	1.00E-06	CL411243	SP6	30821512	3.00E-05	155466
RP44_263K17	21	CL336330	T7	31023803	4.00E-10	CL336547	SP6	31061602	3.00E-04	37799
RP44_418O5	21	CL409867	SP6	35548621	4.00E-22	CL409930	T7	35740350	0.001	191729
RP44_335C6	21	CL386990	T7	36363612	1.00E-06	CL358858	SP6	36516048	6.00E-32	152436
RP44_457E2	21	CL377712	T7	36667820	3.00E-07	CL377795	SP6	36825758	3.00E-11	157938
RP44_278M9	22	CL344073	T7	24670871	1.00E-43	CL344152	SP6	24915686	6.00E-27	244815
RP44_334E2	22	CL386457	T7	25831368	e-149	CL386522	SP6	26004404	0.005	173036
RP44_433D16	22	CL413624	SP6	25995754	5.00E-06	CL413552	T7	26231927	3.00E-04	236173
RP44_304F5	22	CL371752	T7	26268676	3.00E-23	CL371839	SP6	26525389	3.00E-23	256713
RP44_270M17	22	CL346191	T7	26357737	3.00E-13	CL346261	SP6	26586488	4.00E-10	228751
RP44_276H6	22	CL343433	T7	26608685	1.00E-07	CL343514	SP6	26798927	3.00E-63	190242
RP44_401L16	22	CL352791	T7	27750390	1.00E-44	CL352868	SP6	27976021	5.00E-25	225631
RP44_314J12	22	CL381075	T7	28513937	8.00E-24	CL381157	SP6	28693552	4.00E-07	179615
RP44_314P19	22	CL380954	T7	28513955	1.00E-21	CL381030	SP6	28693552	3.00E-07	179597
RP44_268H18	22	CL339460	SP6	29660153	4.00E-28	CL339381	T7	29882085	7.00E-18	221932
RP44_419L1	22	CL410684	SP6	29685349	1.00E-12	CL410609	T7	29900160	4.00E-06	214811
RP44_253N3	22	CL335468	T7	31581035	4.00E-50	CL335546	SP6	31791167	0.002	210132
RP44_275O4	22	CL348814	T7	33426913	4.00E-07	CL348904	SP6	33625263	3.00E-05	198350
RP44_335D20	22	CL359111	T7	34248871	6.00E-08	CL359186	SP6	34503532	2.00E-05	254661
RP44_424N10	22	CL378703	SP6	35476155	5.00E-22	CL378636	T7	35643110	1.00E-06	166955

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RP44_241P18	22	CL325683	SP6	35951081	2.00E-14	CL325615	T7	36156345	3.00E-07	205264
RP44_469M15	22	CL373716	T7	37307046	3.00E-26	CL373805	SP6	37505295	2.00E-08	198249
RP44_268N9	22	CL339248	T7	37854060	3.00E-07	CL339329	SP6	38044740	8.00E-04	190680
RP44_270P10	22	CL346511	T7	38342279	0.006	CL346595	SP6	38565991	e-117	223712
RP44_362H17	22	CL366699	SP6	40899041	1.00E-10	CL366624	T7	41088460	9.00E-08	189419
RP44_459N13	22	CL323852	SP6	41444653	6.00E-49	CL323851	T7	41637909	2.00E-17	193256
RP44_469A21	X	CL373655	T7	8422676	3.00E-08	CL373741	SP6	8564135	6.00E-15	141459
RP44_400A18	X	CL364924	T7	10930041	4.00E-19	CL364999	SP6	11134088	2.00E-30	204047
RP44_297B4	X	CL439784	T7	11131046	1.00E-09	CL439866	SP6	11316025	1.00E-28	184979
RP44_262M4	X	CL342457	T7	13366205	3.00E-11	CL342539	SP6	13574989	4.00E-44	208784
RP44_401J20	X	CL352781	T7	14510942	6.00E-25	CL352860	SP6	14702260	1.00E-04	191318
RP44_309L14	X	CL349855	SP6	14889663	3.00E-20	CL349777	T7	15038506	2.00E-15	148843
RP44_394C18	X	CL329400	T7	15328724	5.00E-18	CL329401	SP6	15458858	4.00E-09	130134
RP44_289J3	X	CL368797	SP6	17299792	0.005	CL368716	T7	17513707	2.00E-15	213915
RP44_267C9	X	CL338648	T7	18224512	8.00E-36	CL338727	SP6	18416339	0.006	191827
RP44_276D17	X	CL343256	T7	18526798	7.00E-05	CL343338	SP6	18699069	8.00E-17	172271
RP44_304J5	X	CL371774	T7	18826683	8.00E-09	CL371861	SP6	18996163	2.00E-42	169480
RP44_315L14	X	CL381501	SP6	19672406	1.00E-04	CL381421	T7	19933773	9.00E-11	261367
RP44_329G20	X	CL384582	T7	19864152	3.00E-11	CL384659	SP6	20073710	e-127	209558
RP44_370N18	X	CL328736	T7	22771846	2.00E-20	CL328737	SP6	22952954	4.00E-22	181108
RP44_414L11	X	CL358325	T7	23968472	7.00E-73	CL358396	SP6	24135525	2.00E-32	167053
RP44_353D20	X	CL365399	T7	24014492	1.00E-12	CL365471	SP6	24181598	3.00E-04	167106
RP44_308J2	X	CL349229	SP6	24078390	1.00E-16	CL349151	T7	24293028	8.00E-24	214638
RP44_243A16	X	CL326341	SP6	24198286	3.00E-07	CL326272	T7	24378006	4.00E-19	179720
RP44_286D4	X	CL389544	SP6	24600831	9.00E-08	CL389469	T7	24766421	2.00E-36	165590
RP44_274O5	X	CL348259	SP6	25561762	5.00E-32	CL348184	T7	25751392	1.00E-12	189630
RP44_307C14	X	CL372883	T7	25958870	4.00E-50	CL372952	SP6	26191521	4.00E-27	232651
RP44_353B8	X	CL365456	SP6	26175634	2.00E-06	CL365384	T7	26314201	3.00E-08	138567
RP44_311H21	X	CL350857	T7	28100560	4.00E-10	CL350951	SP6	28241818	2.00E-06	141258
RP44_268C15	X	CL338941	T7	28682498	e-130	CL339001	SP6	28847339	0.005	164841
RP44_469C4	X	CL373916	SP6	30898909	1.00E-22	CL373832	T7	31074576	6.00E-06	175667
RP44_383K7	X	CL363079	SP6	38228099	3.00E-07	CL362997	T7	38453598	2.00E-67	225499
RP44_469H13	X	CL374108	SP6	38239971	2.00E-18	CL374022	T7	38431159	e-123	191188
RP44_313B14	X	CL352055	SP6	38682237	4.00E-99	CL351969	T7	38872943	6.00E-39	190706
RP44_471G15	X	CL375099	SP6	39293424	8.00E-04	CL375014	T7	39421940	8.00E-11	128516
RP44_330H2	X	CL385433	T7	40510085	8.00E-05	CL385512	SP6	40680275	3.00E-08	170190
RP44_417I16	X	CL409496	SP6	41447635	1.00E-37	CL409420	T7	41693749	3.00E-07	246114

Clone ID	HSA	Genbank Accession #	BAC insert end	First BAC end hit	E value	Genbank Accession #	BAC insert end	Pared BAC end hit	E value	Relative BAC insert length
RP44_458M7	X	CL323397	T7	42509167	1.00E-04	CL323398	SP6	42655626	e-109	146459
RP44_410H16	X	CL356158	SP6	43944997	8.00E-14	CL356075	T7	44250312	3.00E-14	305315
RP44_326O8	X	CL383403	T7	44903430	6.00E-31	CL383475	SP6	45092809	3.00E-13	189379
RP44_396K11	X	CL364119	T7	45482691	4.00E-06	CL364206	SP6	45650311	2.00E-27	167620
RP44_388L9	X	CL363501	SP6	47934663	7.00E-12	CL363435	T7	48313336	4.00E-13	378673
RP44_254P20	X	CL335987	SP6	48738438	0.006	CL335915	T7	48849431	2.00E-15	110993
RP44_255C17	X	CL336004	T7	48740702	2.00E-09	CL336081	SP6	48858812	5.00E-25	118110
RP44_328B17	X	CL384146	SP6	67030761	5.00E-22	CL384073	T7	67242552	0.005	211791
RP44_285B6	X	CL388857	T7	67876239	4.00E-70	CL388928	SP6	68043328	8.00E-06	167089
RP44_471J23	X	CL375364	T7	69695070	8.00E-14	CL375446	SP6	69838757	7.00E-21	143687
RP44_272J7	X	CL347452	T7	69988973	2.00E-36	CL347527	SP6	70162662	5.00E-31	173689
RP44_437I15	X	CL322829	SP6	83677647	2.00E-05	CL322828	T7	83866201	7.00E-39	188554
RP44_354K17	X	CL365583	T7	86164466	9.00E-14	CL365643	SP6	86501803	1.00E-06	337337
RP44_249H10	X	CL333477	T7	93197290	0.003	CL333398	T7	93428951	1.00E-18	231661
RP44_401P14	X	CL352808	T7	98000808	6.00E-09	CL352889	SP6	98219825	0.002	219017
RP44_271O18	X	CL346752	SP6	101449205	8.00E-08	CL346676	T7	101632337	1.00E-13	183132
RP44_433O4	X	CL413526	SP6	101762867	1.00E-62	CL413438	T7	101940190	3.00E-14	177323
RP44_455L8	X	CL323085	SP6	102097463	1.00E-19	CL323084	T7	102260599	1.00E-22	163136
RP44_309G12	X	CL349452	T7	102330920	9.00E-09	CL349531	SP6	102601675	0.002	270755
RP44_306F6	X	CL372812	SP6	103017461	6.00E-74	CL372730	T7	103177011	0.002	159550
RP44_373N18	X	CL328887	T7	109641864	0.002	CL328887	SP6	109907365	7.00E-24	265501
RP44_266C19	X	CL338331	T7	110766038	7.00E-18	CL338408	SP6	110935596	3.00E-11	169558
RP44_394L18	X	CL329764	SP6	110971379	0.001	CL329763	T7	111180142	6.00E-42	208763
RP44_302F6	X	CL371461	T7	112489715	6.00E-05	CL371523	SP6	112676468	6.00E-06	186753
RP44_277A24	X	CL343810	SP6	112629953	8.00E-30	CL343730	T7	112829323	3.00E-26	199370
RP44_264F24	X	CL337544	T7	115652852	1.00E-38	CL337617	SP6	115835672	1.00E-10	182820
RP44_308G4	X	CL373287	SP6	116009865	4.00E-04	CL373209	T7	116203460	2.00E-09	193595
RP44_308D3	X	CL373424	SP6	116009898	3.00E-04	CL373349	T7	116203460	1.00E-07	193562
RP44_272F7	X	CL347429	T7	119982898	9.00E-39	CL347504	SP6	120239533	3.00E-14	256635
RP44_244B10	X	CL326992	SP6	120305839	5.00E-77	CL326919	T7	120487493	1.00E-10	181654
RP44_332C17	X	CL385653	SP6	121203459	2.00E-08	CL385580	T7	121349620	4.00E-16	146161
RP44_325N15	X	CL383057	T7	121317400	2.00E-90	CL383144	SP6	121505410	3.00E-45	188010
RP44_289A1	X	CL368429	SP6	125718359	2.00E-04	CL368340	T7	125947416	2.00E-08	229057
RP44_289E11	X	CL368457	SP6	125718359	4.00E-04	CL368369	T7	125947416	2.00E-08	229057
RP44_292G7	X	CL369600	T7	125818358	4.00E-05	CL369667	SP6	126045723	1.00E-16	227365
RP44_436F18	X	CL375672	T7	126275487	7.00E-21	CL375754	SP6	126544763	e-119	269276
RP44_404O12	X	CL322348	SP6	126583689	6.00E-52	CL322347	T7	126741806	7.00E-08	158117

Supplementary Table S2b. Mate-paired BESSs from CHORI-242 with human chromosome positions and predicted insert sizes.

Clone ID	HSA	First BAC end				Second BAC end				Relative BAC insert length
		Genbank Accession #	BAC insert end	BAC end hit	e-value	Genbank Accession #	BAC insert end	BAC end hit	e-value	
CH10A6UI	4	CL332223	SP6	100359103	7.00E-09	CL332129	T7	100666218	6.00E-09	307115
CH10B11UI	18	CL332311	T7	33412470	7.00E-06	CL332394	SP6	33597368	5.00E-09	184898
CH10B14UI	6	CL320482	SP6	98023317	2.00E-45	CL320481	T7	98177083	8.00E-21	153766
CH10B16UI	X	CL320484	SP6	107425674	5.00E-12	CL320483	T7	107609614	4.00E-10	183940
CH10B3UI	18	CL332391	SP6	35097445	6.00E-06	CL332308	T7	35242929	6.00E-15	145484
CH10B7UI	3	CL332393	SP6	102880113	2.00E-12	CL332310	T7	103079720	2.00E-06	199607
CH10C15UI	18	CL332055	SP6	65647368	8.00E-14	CL331969	T7	65865279	4.00E-07	217911
CH10C18UI	16	CL332147	T7	79708802	8.00E-76	CL332239	SP6	79895169	e-122	186367
CH10C1UI	4	CL332048	SP6	124486409	3.00E-66	CL331962	T7	124716908	0	230499
CH10C21UI	11	CL331972	T7	104146121	2.00E-09	CL332058	SP6	104400932	2.00E-70	254811
CH10C7UI	6	CL332051	SP6	139706550	2.00E-21	CL331965	T7	139952656	3.00E-60	246106
CH10C8UI	3	CL332142	T7	50189255	3.00E-53	CL332235	SP6	50404216	2.00E-24	214961
CH10D19UI	11	CL332408	SP6	79203441	8.00E-79	CL332323	T7	79371672	1.00E-21	168231
CH10D6UI	1	CL320496	T7	113018640	4.00E-19	CL320497	SP6	113256170	7.00E-12	237530
CH10E15UI	2	CL331979	T7	164841896	1.00E-13	CL332067	SP6	165003062	4.00E-47	161166
CH10E19UI	16	CL331981	T7	64017129	5.00E-08	CL332069	SP6	64233248	4.00E-22	216119
CH10E24UI	3	CL332162	T7	158588513	2.00E-27	CL332252	SP6	158809661	7.00E-58	221148
CH10E8UI	6	CL332245	SP6	116699167	4.00E-19	CL332154	T7	116914564	e-119	215397
CH10F21UI	14	CL332333	T7	48107518	7.00E-40	CL332417	SP6	48271962	7.00E-12	164444
CH10F24UI	8	CL320538	SP6	94471295	3.00E-05	CL320537	T7	94664161	1.00E-28	192866
CH10G1UI	1	CL332072	SP6	73987445	1.00E-04	CL331983	T7	74112020	6.00E-06	124575
CH10G2UI	9	CL332163	T7	8446540	0.002	CL332253	SP6	8608042	3.00E-26	161502
CH10G4UI	2	CL332254	SP6	212340491	6.00E-12	CL332164	T7	212592483	2.00E-68	251992
CH10H11UI	17	CL332340	T7	33795192	2.00E-08	CL332423	SP6	34002741	2.00E-05	207549
CH10H12UI	3	CL320548	T7	101556563	7.00E-43	CL320549	SP6	101760239	0.001	203676
CH10H4UI	16	CL320541	T7	88961554	4.00E-25	CL320542	SP6	89331797	3.00E-13	370243
CH10I1UI	8	CL332083	SP6	103745276	4.00E-07	CL331994	T7	103987194	0.001	241918
CH10J13UI	10	CL332433	SP6	19194906	3.00E-38	CL332351	T7	19470769	2.00E-06	275863
CH10J16UI	3	CL320574	SP6	154437784	e-152	CL320573	T7	154695410	9.00E-33	257626
CH10J4UI	2	CL320564	T7	104150307	1.00E-16	CL320565	SP6	104340749	7.00E-06	190442
CH10L10UI	5	CL320586	SP6	49684858	4.00E-04	CL320585	T7	49971628	8.00E-30	286770
CH10L12UI	X	CL320588	SP6	136646082	0.003	CL320587	T7	136852881	2.00E-06	206799
CH10L16UI	13	CL320592	SP6	47840329	4.00E-07	CL320591	T7	48054734	4.00E-10	214405
CH10L21UI	11	CL332447	SP6	92003981	2.00E-12	CL332365	T7	92222619	0.001	218638
CH10L8UI	11	CL320584	SP6	47126996	1.00E-10	CL320583	T7	47324397	5.00E-49	197401
CH10M19UI	3	CL332024	T7	141965258	3.00E-20	CL332113	SP6	142232404	0.001	267146
CH10M2UI	5	CL332198	T7	93277521	2.00E-09	CL332286	SP6	93455609	2.00E-05	178088
CH10M5UI	9	CL332017	T7	75126773	5.00E-19	CL332106	SP6	75250638	4.00E-04	123865
CH10N22UI	14	CL320614	T7	36361558	1.00E-10	CL320615	SP6	36537539	0.006	175981
CH10N24UI	5	CL320617	SP6	24668010	8.00E-06	CL320616	T7	24858360	3.00E-05	190350
CH10O21UI	12	CL332037	T7	119665076	4.00E-07	CL332126	SP6	119931287	2.00E-29	266211
CH10P19UI	1	CL332387	T7	96304024	5.00E-04	CL332468	SP6	96540204	4.00E-10	236180
CH10P3UI	2	CL332379	T7	192763031	1.00E-04	CL332460	SP6	192912586	7.00E-09	149555
CH10P5UI	13	CL332461	SP6	100726722	8.00E-58	CL332380	T7	100939527	1.00E-10	212805
CH12A24UI	11	CL332657	T7	43823061	6.00E-09	CL332745	SP6	44053426	4.00E-07	230365
CH12B20UI	9	CL332895	T7	111910031	1.00E-16	CL332976	SP6	112132334	3.00E-07	222303
CH12B8UI	8	CL332889	T7	62043662	6.00E-06	CL332970	SP6	62270526	9.00E-08	226864
CH12C15UI	6	CL332490	T7	15838472	3.00E-14	CL332578	SP6	16023791	2.00E-05	185319
CH12C17UI	4	CL332491	T7	120289406	1.00E-07	CL332579	SP6	120452673	7.00E-12	163267
CH12D12UI	7	CL332900	T7	27914630	2.00E-45	CL332984	SP6	28110595	0.005	195965
CH12E3UI	3	CL332495	T7	116415622	4.00E-66	CL332584	SP6	116635462	1.00E-13	219840
CH12E7UI	13	CL332586	SP6	59372170	7.00E-55	CL332497	T7	59404244	2.00E-21	32074
CH12E8UI	12	CL332759	SP6	19241836	1.00E-07	CL332671	T7	19440973	4.00E-04	199137

Clone ID	HSA	Genbank Accession #	BAC insert end	BAC end hit	e-value	Genbank Accession #	BAC insert end	BAC end hit	e-value	Relative BAC insert length
CH12F2UI	2	CL332905	T7	235417963	9.00E-19	CL332990	SP6	235638501	1.00E-10	220538
CH12F4UI	3	CL332991	SP6	138341000	2.00E-08	CL332906	T7	138566554	0.001	225554
CH12G11UI	1	CL332610	SP6	173753891	0.001	CL332509	T7	173982128	6.00E-09	228237
CH12G14UI	16	CL332772	SP6	24181166	4.00E-04	CL332684	T7	24340394	4.00E-50	159228
CH12G18UI	10	CL332774	SP6	22902706	2.00E-21	CL332686	T7	23087929	6.00E-15	185223
CH12G19UI	14	CL332614	SP6	31305671	9.00E-76	CL332513	T7	31466617	2.00E-15	160946
CH12G2UI	2	CL332679	T7	18439047	4.00E-19	CL332767	SP6	18704665	0	265618
CH12G9UI	16	CL332508	T7	60779876	3.00E-63	CL332609	SP6	61047502	2.00E-27	267626
CH12H8UI	6	CL333002	SP6	86767343	2.00E-24	CL332918	T7	87043290	1.00E-04	275947
CH12I14UI	5	CL332784	SP6	80847695	2.00E-79	CL332695	T7	81043659	2.00E-15	195964
CH12I3UI	2	CL332517	T7	224115771	1.00E-04	CL332618	SP6	224288285	2.00E-12	172514
CH12I4UI	2	CL332779	SP6	13563923	3.00E-11	CL332691	T7	13841456	2.00E-61	277533
CH12I6UI	18	CL332780	SP6	33844193	6.00E-15	CL332692	T7	33994826	5.00E-31	150633
CH12K17UI	2	CL332622	SP6	119163367	2.00E-05	CL332535	T7	119351368	3.00E-32	188001
CH12K23UI	3	CL332624	SP6	189744284	1.00E-44	CL332538	T7	189954352	5.00E-10	210068
CH12K6UI	12	CL332703	T7	23393327	4.00E-10	CL332791	SP6	23618052	0	224725
CH12L18UI	1	CL332942	T7	110427878	7.00E-12	CL333027	SP6	110765085	1.00E-22	337207
CH12L8UI	3	CL332937	T7	169239129	2.00E-36	CL333022	SP6	169443042	1.00E-06	203913
CH12M14UI	X	CL332805	SP6	29059249	4.00E-10	CL332718	T7	29250502	2.00E-08	191253
CH12M1UI	7	CL332625	SP6	84590342	2.00E-33	CL332517	T7	84816656	1.00E-04	226314
CH12M24UI	14	CL332810	SP6	88155131	1.00E-13	CL332723	T7	88378728	2.00E-36	223597
CH12M3UI	4	CL332626	SP6	135666908	4.00E-07	CL332540	T7	135883794	5.00E-28	216886
CH12N22UI	4	CL332956	T7	144312154	1.00E-06	CL333040	SP6	144599056	2.00E-09	286902
CH12O14UI	2	CL332817	SP6	220871743	1.00E-13	CL332728	T7	221070525	2.00E-83	198782
CH12O24UI	1	CL332821	SP6	18428013	e-109	CL332821	SP6	18633640	9.00E-48	205627
CH12O3UI	X	CL332550	T7	37931912	5.00E-25	CL332637	SP6	38174813	1.00E-27	242901
CH12O8UI	5	CL332725	T7	95420742	4.00E-13	CL332814	SP6	95615158	0.007	194416
CH12P12UI	5	CL333047	SP6	166949248	4.00E-62	CL332962	T7	167179354	4.00E-13	230106
CH13A22UI	5	CL321640	SP6	44646280	e-108	CL321553	T7	44861899	4.00E-41	215619
CH13A4UI	12	CL321632	SP6	96367540	4.00E-04	CL321546	T7	96548565	4.00E-08	181025
CH13A5UI	3	CL320641	T7	148897216	e-166	CL320642	SP6	149040867	2.00E-05	143651
CH13A7UI	18	CL320643	T7	48255314	3.00E-11	CL320644	SP6	48402327	2.00E-06	147013
CH13B17UI	6	CL321721	T7	146341917	7.00E-09	CL320813	SP6	146551919	9.00E-08	210002
CH13B19UI	18	CL320814	SP6	52871228	4.00E-47	CL321722	T7	53099805	3.00E-17	228577
CH13C10UI	X	CL321559	T7	109168333	6.00E-12	CL321644	SP6	109355139	5.00E-25	186806
CH13C16UI	6	CL321562	T7	155246698	6.00E-06	CL321647	SP6	155434626	2.00E-30	187928
CH13E8UI	4	CL321570	T7	23565556	0	CL321653	SP6	23730910	e-132	165354
CH13G23UI	3	CL320725	SP6	57506523	1.00E-75	CL320724	T7	57734688	2.00E-70	228165
CH13G8UI	5	CL321664	SP6	50792829	8.00E-14	CL321582	T7	50969726	3.00E-26	176897
CH13I18UI	X	CL321598	T7	104467146	5.00E-25	CL321678	SP6	104623407	1.00E-28	156261
CH13I6UI	2	CL321674	SP6	26289939	3.00E-10	CL321593	T7	26548881	2.00E-05	258942
CH13I7UI	2	CL320731	T7	171769902	1.00E-90	CL320732	SP6	171946643	4.00E-07	176741
CH13J19UI	6	CL321766	T7	52605680	8.00E-27	CL320855	SP6	52946811	1.00E-26	341131
CH13K11UI	6	CL320753	T7	123643354	8.00E-05	CL320754	SP6	123832281	3.00E-20	188927
CH13K12UI	18	CL321605	T7	75250868	6.00E-05	CL321686	SP6	75461011	e-165	210143
CH13K21UI	15	CL320762	SP6	31261148	5.00E-62	CL320761	T7	31432665	1.00E-10	171517
CH13L19UI	6	CL321774	T7	70655293	2.00E-21	CL320865	SP6	70823260	e-104	167967
CH13M13UI	5	CL320774	SP6	86529689	2.00E-33	CL320773	T7	86706742	9.00E-30	177053
CH13M19UI	5	CL320780	SP6	121346407	8.00E-15	CL320779	T7	121554630	6.00E-06	208223
CH13M4UI	3	CL321612	T7	166461288	1.00E-04	CL321694	SP6	166615375	7.00E-15	154087
CH13M6UI	14	CL321613	T7	86122325	2.00E-27	CL321695	SP6	86355233	9.00E-51	232908
CH13M9UI	12	CL320770	SP6	32734423	1.00E-04	CL320769	T7	32926227	6.00E-06	191804
CH13O10UI	8	CL321624	T7	125623840	4.00E-12	CL321706	SP6	125800431	2.00E-79	176591
CH13O7UI	7	CL320791	T7	93311608	1.00E-34	CL320792	SP6	93501332	1.00E-84	189724
CH13P15UI	22	CL321793	T7	41255083	2.00E-49	CL320885	SP6	41503909	1.00E-27	248826

Clone ID	HSA	Genbank Accession #	BAC insert end	BAC end hit	e-value	Genbank Accession #	BAC insert end	BAC end hit	e-value	Relative BAC insert length
CH13P7UI	10	CL320882	SP6	103228896	2.00E-05	CL321790	T7	103426875	3.00E-08	197979
CH15B10UI	5	CL321895	T7	82441823	6.00E-25	CL321312	SP6	82627035	1.00E-19	185212
CH15B20UI	14	CL321316	SP6	52152811	1.00E-70	CL321899	T7	52423264	1.00E-16	270453
CH15B3UI	9	CL321146	SP6	8532433	7.00E-06	CL321145	T7	8577710	8.00E-15	45277
CH15B5UI	2	CL321147	T7	55011586	4.00E-10	CL321148	SP6	55212016	e-113	200430
CH15C16UI	3	CL321016	SP6	139350567	7.00E-24	CL321015	T7	139495071	1.00E-56	144504
CH15C23UI	14	CL321821	T7	76401465	8.00E-30	CL320913	SP6	76582141	2.00E-82	180676
CH15D10UI	2	CL321906	T7	168873530	3.00E-17	CL321321	SP6	169011093	9.00E-11	137563
CH15E12UI	6	CL321035	SP6	87484268	2.00E-39	CL321034	T7	87699411	5.00E-06	215143
CH15E17UI	3	CL320921	SP6	31362555	6.00E-11	CL321830	T7	31525334	e-143	162779
CH15E19UI	11	CL321831	T7	29254685	0.007	CL320922	SP6	29276063	e-100	21378
CH15E21UI	5	CL321832	T7	67210904	1.00E-07	CL320923	SP6	67449418	0.001	238514
CH15E24UI	8	CL321043	SP6	122354669	4.00E-10	CL321042	SP6	122600281	8.00E-05	245612
CH15F21UI	1	CL321200	SP6	213858709	3.00E-20	CL321199	T7	214046732	6.00E-43	188023
CH15G21UI	4	CL321842	T7	158700458	4.00E-07	CL320933	SP6	158853630	2.00E-18	153172
CH15H19UI	19	CL321220	SP6	35552926	1.00E-04	CL321219	T7	35745138	e-159	192212
CH15H1UI	12	CL321203	T7	14477820	1.00E-25	CL321204	SP6	14680708	2.00E-05	202888
CH15I15UI	5	CL320942	SP6	9789675	2.00E-08	CL321851	T7	9955256	4.00E-07	165581
CH15I1UI	7	CL321844	T7	98384459	4.00E-04	CL320935	SP6	98628651	7.00E-29	244192
CH15I2UI	8	CL321063	T7	91930418	4.00E-69	CL321064	SP6	92102990	5.00E-16	172572
CH15J14UI	3	CL321940	T7	118118760	1.00E-41	CL321351	SP6	118286422	3.00E-44	167662
CH15J24UI	5	CL321356	SP6	158771723	1.00E-06	CL321942	T7	158995665	2.00E-33	223942
CH15J9UI	12	CL321231	T7	40024143	4.00E-07	CL321232	SP6	40174238	1.00E-53	150095
CH15K13UI	13	CL321862	T7	86201038	1.00E-06	CL320953	SP6	86516557	4.00E-60	315519
CH15K14UI	22	CL321098	SP6	33628779	6.00E-12	CL321097	T7	33832033	3.00E-20	203254
CH15K21UI	14	CL320957	SP6	58560054	1.00E-10	CL321866	T7	58740160	0	180106
CH15K7UI	15	CL321859	T7	77201484	5.00E-18	CL320950	SP6	77441601	8.00E-11	240117
CH15K9UI	2	CL320951	SP6	179227693	2.00E-49	CL321860	T7	179377121	0	149428
CH15L12UI	2	CL321361	SP6	34921539	6.00E-06	CL321947	T7	35183867	1.00E-06	262328
CH15L15UI	X	CL321257	T7	18765722	8.00E-11	CL321258	SP6	18960238	1.00E-19	194516
CH15L1UI	16	CL321246	T7	49802742	3.00E-36	CL321247	SP6	49994684	e-134	191942
CH15L23UI	5	CL321266	SP6	165882572	0	CL321265	T7	166092257	5.00E-68	209685
CH15M13UI	3	CL320963	SP6	143158220	2.00E-09	CL321874	T7	143375769	2.00E-09	217549
CH15M15UI	1	CL320964	SP6	106267412	3.00E-08	CL321875	T7	106515766	4.00E-23	248354
CH15N20UI	2	CL321960	T7	69265583	0.004	CL321375	SP6	69482151	8.00E-07	216568
CH15N22UI	4	CL321376	SP6	182044251	6.00E-12	CL321961	T7	182206557	0	162306
CH15O13UI	17	CL320974	SP6	26504415	1.00E-16	CL321885	T7	26708419	8.00E-21	204004
CH15O19UI	9	CL321888	T7	108258591	4.00E-16	CL320977	SP6	108472526	1.00E-55	213935
CH15O6UI	19	CL321126	SP6	14037377	1.00E-12	CL321125	T7	14306831	9.00E-29	269454
CH15O7UI	10	CL321882	T7	113124608	1.00E-07	CL320971	SP6	113301024	2.00E-20	176416
CH15P11UI	15	CL321298	T7	58922804	9.00E-39	CL321299	SP6	59066683	2.00E-24	143879
CH15P16UI	18	CL321385	SP6	51522940	2.00E-08	CL321969	T7	51584245	7.00E-12	61305
CH15P18UI	12	CL321386	SP6	20404428	2.00E-48	CL321970	T7	20584222	6.00E-09	179794
CH15P4UI	12	CL321379	SP6	107183638	0.006	CL321964	T7	107331538	2.00E-06	147900
CH20B16UI	5	CL321437	SP6	87658408	0.003	CL321436	T7	87825104	9.00E-07	166696
CH20D2UI	12	CL321443	T7	59999532	3.00E-04	CL321444	SP6	60173643	2.00E-08	174111
CH20L12UI	9	CL321498	T7	3634215	0.003	CL321499	SP6	3845049	7.00E-08	210834
CH20L4UI	20	CL321492	T7	43528367	2.00E-20	CL321493	SP6	43773083	1.00E-09	244716
CH20P2UI	7	CL321529	SP6	42202886	2.00E-24	CL321528	T7	42439262	3.00E-66	236376
CH3A10UI	14	CL330069	SP6	35731232	5.00E-06	CL329984	T7	35983169	9.00E-05	251937
CH3A7UI	10	CL329899	SP6	68266013	6.00E-18	CL329813	T7	68427058	2.00E-24	161045
CH3C18UI	4	CL330084	SP6	142962082	2.00E-08	CL329999	T7	143214557	6.00E-06	252475
CH3D21UI	2	CL330254	SP6	236518387	0.001	CL330173	T7	236737423	5.00E-12	219036
CH3D2UI	7	CL330329	T7	18808461	3.00E-11	CL330409	SP6	18965809	e-154	157348
CH3D4UI	3	CL330330	T7	81780772	1.00E-07	CL330410	SP6	81943898	6.00E-06	163126

Clone ID	HSA	Genbank Accession #	BAC insert end	BAC end hit	e-value	Genbank Accession #	BAC insert end	BAC end hit	e-value	Relative BAC insert length
CH3D7UI	X	CL330166	T7	115629819	4.00E-31	CL330248	SP6	115837743	1.00E-04	207924
CH3E5UI	8	CL329920	SP6	104012398	2.00E-24	CL329833	T7	104169880	1.00E-06	157482
CH3E7UI	7	CL329921	SP6	110850979	5.00E-34	CL329834	T7	111007264	2.00E-12	156285
CH3G15UI	22	CL329933	SP6	31233228	5.00E-16	CL329850	T7	31482422	1.00E-22	249194
CH3G18UI	7	CL330105	SP6	8086694	2.00E-05	CL330017	T7	8294986	5.00E-19	208292
CH3G19UI	8	CL329852	T7	10406638	4.00E-04	CL329935	SP6	10626043	e-109	219405
CH3G21UI	2	CL329853	T7	150331087	4.00E-13	CL329936	SP6	150522328	5.00E-99	191241
CH3G2UI	12	CL330011	T7	94057756	4.00E-10	CL330099	SP6	94248119	8.00E-11	190363
CH3G7UI	1	CL329846	T7	161001093	e-102	CL329931	SP6	161275790	1.00E-34	274697
CH3H1UI	1	CL330268	SP6	172395893	9.00E-05	CL330184	T7	172696888	6.00E-15	300995
CH3H21UI	X	CL330276	SP6	69027617	6.00E-46	CL330191	T7	69360397	2.00E-21	332780
CH3I11UI	7	CL329941	SP6	36760528	2.00E-51	CL329857	T7	36990202	9.00E-04	229674
CH3J10UI	9	CL330368	T7	91790090	3.00E-47	CL330446	SP6	91989972	1.00E-06	199882
CH3J11UI	13	CL330198	T7	37157714	4.00E-19	CL330283	SP6	37377514	6.00E-12	219800
CH3J19UI	4	CL330287	SP6	26772009	5.00E-37	CL330202	T7	27005870	7.00E-15	233861
CH3J23UI	1	CL330203	T7	49506131	4.00E-04	CL330288	SP6	49792706	7.00E-12	286575
CH3J24UI	2	CL330453	SP6	144902499	5.00E-10	CL330374	T7	145052601	7.00E-52	150102
CH3J5UI	20	CL330280	SP6	15194196	9.00E-27	CL330195	T7	153711728	5.00E-12	177532
CH3J6UI	1	CL330366	T7	162054793	9.00E-05	CL330444	SP6	162217248	e-100	162455
CH3J8UI	1	CL330445	SP6	167124912	6.00E-34	CL330367	T7	167369764	2.00E-86	244852
CH3J9UI	1	CL330282	SP^	146414696	2.00E-12	CL330197	T7	146530535	1.00E-09	115839
CH3K21UI	3	CL329957	SP6	5927650	9.00E-08	CL329873	T7	6131380	5.00E-28	203730
CH3L21UI	2	CL330213	T7	210557896	1.00E-10	CL330298	SP6	210749434	7.00E-06	191538
CH3L5UI	9	CL330291	SP6	119281644	1.00E-07	CL330206	T7	119478664	1.00E-99	197020
CH3M23UI	11	CL329970	SP6	128996163	8.00E-12	CL329884	T7	129187422	1.00E-19	191259
CH3N8UI	X	CL330387	T7	12555375	0.004	CL330468	SP6	12736060	3.00E-32	180685
CH3O14UI	2	CL330146	SP6	176109164	3.00E-05	CL330059	T7	176339595	2.00E-27	230431
CH3O20UI	10	CL330062	T7	75104270	8.00E-08	CL330149	SP6	75397030	5.00E-21	292760
CH3O9UI	1	CL329975	SP6	160996032	e-127	CL329889	T7	161257951	6.00E-12	261919
CH3P22UI	2	CL330485	SP6	203439802	9.00E-21	CL330401	T7	203650350	1.00E-53	210548
CH3P9UI	13	CL330227	T7	52533371	1.00E-37	CL330314	SP6	52708863	9.00E-35	175492
CH4B16UI	17	CL330782	SP6	37240892	2.00E-23	CL330701	T7	37478767	7.00E-08	237875
CH4E11UI	6	CL330541	SP6	147956182	2.00E-33	CL330492	T7	148130408	6.00E-23	174226
CH4E19UI	5	CL330545	SP6	87913764	4.00E-55	CL330494	T7	88114028	6.00E-42	200264
CH4F14UI	2	CL330717	T7	50332090	1.00E-06	CL330799	SP6	50464185	1.00E-16	132095
CH4F23UI	12	CL330655	SP6	99155875	e-131	CL330595	T7	99335252	3.00E-10	179377
CH4G5UI	X	CL330497	T7	119745076	8.00E-07	CL330548	SP6	119982815	2.00E-06	237739
CH4H14UI	4	CL330809	SP6	134546495	2.00E-06	CL330729	T7	134765070	8.00E-05	218575
CH4J21UI	12	CL330670	SP6	59919991	7.00E-09	CL330609	T7	60104558	1.00E-56	184567
CH4J9UI	4	CL330666	SP6	78137408	1.00E-09	CL330605	T7	78323039	2.00E-08	185631
CH4L12UI	4	CL330830	SP6	183508988	1.00E-19	CL330751	T7	183713821	1.00E-43	204833
CH4P13UI	1	CL330694	SP6	24234208	5.00E-14	CL330631	T7	24437259	3.00E-04	203051
CH6A9UI	7	CL330941	SP6	127903408	2.00E-39	CL330864	T7	128116652	0.001	213244
CH6B21UI	11	CL331018	T7	19706798	1.00E-04	CL331101	SP6	19895600	2.00E-09	188802
CH6C13UI	21	CL330953	SP6	15157550	1.00E-19	CL330877	T7	15379076	1.00E-37	221526
CH6F1UI	10	CL331030	T7	111406838	9.00E-30	CL331113	SP6	111771907	4.00E-35	365069
CH6F22UI	1	CL320366	SP6	144362595	7.00E-48	CL320365	T7	144572418	5.00E-09	209823
CH6H10UI	17	CL320377	T7	46468695	1.00E-26	CL320378	SP6	46666522	1.00E-05	197827
CH6H22UI	14	CL320388	SP6	57022654	1.00E-40	CL320387	T7	57200845	1.00E-19	178191
CH6H24UI	2	CL320389	T7	36547274	7.00E-24	CL320390	SP6	36732150	2.00E-89	184876
CH6H9UI	2	CL331044	T7	154280769	2.00E-26	CL331126	SP6	154478541	3.00E-78	197772
CH6J2UI	5	CL320391	T7	38478442	2.00E-08	CL320392	SP6	38671554	9.00E-14	193112
CH6L7UI	9	CL331146	SP6	24117064	9.00E-85	CL331063	T7	24326293	1.00E-22	209229
CH6N15UI	2	CL331159	SP6	80873516	4.00E-22	CL331078	T7	81138775	2.00E-05	265259
CH6N3UI	16	CL331154	SP6	59204277	4.00E-04	CL331073	T7	59459043	6.00E-06	254766

