

Supplementary Table 1: Distribution of luminal tumors analysed by aCGH according to histoclinical parameters

Parameters	n	Luminal A	Luminal B	p-value	odds ratio
Age	100	54(30-82)	61(24-85)	0.86	
Histological type*	87			0.58	
Other		11(19%)	6(20%)		
IDC		41(71%)	22(76%)		
ILC		6(10%)	1(3%)		
Tumor size	99			0.48	
pT1		16(27%)	7(18%)		
pT2		31(53%)	22(55%)		
pT3		12(20%)	11(28%)		
Lymph node metastasis	100			0.51	1,39 (0.54-3.75)
negative		20(34%)	11(27%)		
positive		39(66%)	30(73%)		
SBR Grade	96			1.00E-05	
I		21(36%)	0(0%)		
II		30(52%)	15(39%)		
III		7(12%)	23(61%)		
ERBB2	81			0.27	3,93 (0.2-240.04)
negative		52(98%)	26(93%)		
positive		1(2%)	2(7%)		
ER	100			1	1,41 (0.19-16.35)
negative		4(7%)	2(5%)		
positive		55(93%)	39(95%)		
PR	100			0.24	0,56 (0.19-1.58)
negative		11(19%)	12(29%)		
positive		48(81%)	29(71%)		
p53	72			1	0,97 (0.15-4.69)
negative		44(85%)	17(85%)		
positive		8(15%)	3(15%)		
Ki67	69			0.000122259	20,72 (2.85-921.5)
negative		33(92%)	9(56%)		
positive		3(8%)	7(44%)		
MFS (5y)	95	57 (91%)	38 (60%)	0.000487	
OSS (5y)	76	53 (91%)	23 (57%)	5.92E-06	

IDC, Invasive Ductal Carcinoma ; ILC, Invasive Lobular Carcinoma

Supplementary Table 2: Results of aCGH supervised analysis between 59 Luminal A and 41 Luminal B breast tumors.

* Genomic segments corresponding to minimal chromosomal regions of equal copy number (see supplementary methods section)
 Genomic segments are classified according to supervised analysis results, with the mostly amplified segment in luminal B tumors on the top.
 ‡ For each genomic segments, we mentioned "chromosomal start location-chromosomal end location" as defined on hg17 human genome mapping
 § Genes mapped in the defined genomic segments
 † Association of segment amplification with Luminal B Vs Luminal A phenotype was evaluated by fisher exact test

Segment Names*	Chromo some Name	* Amplified chromosomal Region (bp)	Region Length (bp)	Genes §	Amplifications.o dds ratio	Amplificatons.p value †	Amplifications.fre quency.Luminal A tumors	Amplifications.freque ncy.Luminal B tumors
8q#115064_115075	8	101266092-101361665	95574	SPAG1, RNF19	0.159775784	0.002113563	0.07	0.32
20q#216892_216905	20	51618614-51876925	258312	ZNF217	0	0.003771972	0.00	0.15
8p#110487_110488	8	37347478-37371028	23551		0.202896431	0.003865205	0.08	0.32
8p#110489_110490	8	37400895-37428562	27668		0.202896431	0.003865205	0.08	0.32
8p#110493_110494	8	37484171-37507866	23696		0.202896431	0.003865205	0.08	0.32
8p#110495_110503	8	37538466-37676801	138336	ZNF703	0.202896431	0.003865205	0.08	0.32
8q#117013_117033	8	127316683-127707850	391168	BC038572, FAM84B	0.179013656	0.004441223	0.07	0.29
8q#117034_117050	8	127737351-128108257	370907		0.179013656	0.004441223	0.07	0.29
8q#115314_115332	8	104114999-104301218	186220	ATP6V1C1, AK001351, BAALC	0.179013656	0.004441223	0.07	0.29
8q#114802_114845	8	99023286-99348302	325017	ATN2, RPL30, C8orf47, HRSP12, POP1, D31765, NPAL	0.179013656	0.004441223	0.07	0.29
8q#114861_114872	8	99532186-99627381	95196	STK3	0.179013656	0.004441223	0.07	0.29
8q#114922_115063	8	100082337-101259311	1176975	VPS13B, COX6C, RGS22, FBXO43, POLR2K, SPAG1	0.179013656	0.004441223	0.07	0.29
8q#115076_115109	8	101369605-101780026	410422	RNF19, BC050396, ANKRD46, MGC39715	0.179013656	0.004441223	0.07	0.29
8q#115137_115171	8	102206991-102641029	434039	G65598, BC035156, ZNF706, AF315951, GRHL2	0.179013656	0.004441223	0.07	0.29
8q#115172_115208	8	102651707-102937387	285681	GRHL2, NCALD	0.179013656	0.004441223	0.07	0.29
8q#115308_115313	8	104033015-104103365	70351	ATP6V1C1	0.179013656	0.004441223	0.07	0.29
8q#115333_115352	8	104310836-104475441	164606	BAALC, AK129733, FZD6, CTHRC1	0.179013656	0.004441223	0.07	0.29
8q#117090_117102	8	128838501-128971933	133433	M34429, M34428	0.179013656	0.004441223	0.07	0.29
8q#117113_117128	8	129052196-129252382	200187	BC033263	0.179013656	0.004441223	0.07	0.29
8q#114873_114921	8	99635783-100064842	429060	STK3, AK131363, OSR2	0.179013656	0.004441223	0.07	0.29
8q#117051_117064	8	128132928-128409924	276997		0.179013656	0.004441223	0.07	0.29
8q#117103_117112	8	128989029-129046591	57563	M34428, BC033263	0.179013656	0.004441223	0.07	0.29
8q#117065_117082	8	128427683-128797848	370166	BC042052	0.179013656	0.004441223	0.07	0.29
8p#110842_110843	8	41074444-41096183	21740		0.169174277	0.006523086	0.05	0.24
8p#110844_110845	8	41131457-41160106	28650		0.169174277	0.006523086	0.05	0.24
8q#118079_118092	8	142377477-142475211	97735	BC029463, AK026750, GPR20	0.12735588	0.006697841	0.03	0.22
8q#118094_118117	8	142492050-142688797	196748	PTP4A3, FLJ43860	0.12735588	0.006697841	0.03	0.22
8q#118118_118132	8	142696391-142921838	225448		0.12735588	0.006697841	0.03	0.22
8q#118492_118507	8	145718225-145830148	111924	LRRRC14, LRRRC24, KIAA1688	0.085635985	0.007641457	0.02	0.17
8q#118508_118509	8	145836115-145843808	7694		0.085635985	0.007641457	0.02	0.17
8q#118535_118541	8	146024157-146071002	46846	ZNF7, COMMD5, Z28407, BC107579	0.085635985	0.007641457	0.02	0.17
8q#118510_118527	8	145855624-145985998	130375	AK130913, ZNF34, RPL8	0.085635985	0.007641457	0.02	0.17
8q#118454_118460	8	145534919-145568219	33301	FBXL6, GPR172A	0.085635985	0.007641457	0.02	0.17
8q#118475_118491	8	145641165-145713062	71898	K094514, CYHR1, KIFC2, AK090471, PPP1R16A, BC013	0.085635985	0.007641457	0.02	0.17
17q#199159_199168	17	63281223-63357149	75927	FALZ	0.085635985	0.007641457	0.02	0.17
8q#118377_118453	8	144918431-145533436	615006	SPATC1, OPLAH, BC023010, GPAA1, CYC1, SHARPIN,	0.085635985	0.007641457	0.02	0.17
8q#118529_118534	8	145993077-146018556	25480	AK130913, ZNF517, Z28407	0.085635985	0.007641457	0.02	0.17
17q#199150_199158	17	63162505-63273149	110645	NOL11, FALZ	0.085635985	0.007641457	0.02	0.17
8q#118365_118376	8	144840048-144910167	70120	ZNF707, BC035363, MAPK15, FAM83H, AK124079	0.085635985	0.007641457	0.02	0.17
17q#199169_199170	17	63372480-63386411	13932	FALZ	0.085635985	0.007641457	0.02	0.17
8q#118152_118164	8	143177905-143309437	131533	BC008253, TSNARE1	0.085635985	0.007641457	0.02	0.17
8q#116793_116821	8	124855553-125109803	254251	FAM91A1, C8ORFK23	0.201743795	0.009126747	0.07	0.27

8q#116767_116785	8	124589960-124794223	204264	FBX032, AB196636, ANXA13	0.201743795	0.009126747	0.07	0.27
8q#116693_115895	8	108926406-112296204	3369799	TMEM74, TRHR, NUDCD1, ENY2, AK095651, PKHD1L	0.201743795	0.009126747	0.07	0.27
8q#116137_116145	8	116410618-116542099	131482	TRPS1	0.201743795	0.009126747	0.07	0.27
8q#116969_117012	8	126589494-127274759	685266	AK093407	0.201743795	0.009126747	0.07	0.27
8q#114787_114801	8	98873477-99014727	141251	LAPTM4B, MATN2	0.201743795	0.009126747	0.07	0.27
8q#114846_114860	8	99354333-99524544	170212	NPAL2	0.201743795	0.009126747	0.07	0.27
8q#115110_115116	8	101784749-101813187	28439	PABPC1	0.201743795	0.009126747	0.07	0.27
8q#115122_115128	8	101968666-102022397	53732	AF074984, YWHAZ	0.201743795	0.009126747	0.07	0.27
8q#115135_115136	8	102155549-102175145	19597	AK124959	0.201743795	0.009126747	0.07	0.27
8q#115209_115246	8	102943705-103289369	345665	NCALD, RRM2B	0.201743795	0.009126747	0.07	0.27
8q#115292_115307	8	103833419-103991919	158501	FLJ45248, AZIN1, BC037349	0.201743795	0.009126747	0.07	0.27
8q#115353_115372	8	104480609-104646562	165954	SLC25A32, WDSOF1, AK126939	0.201743795	0.009126747	0.07	0.27
8q#115381_115511	8	104738909-106258113	1519205	AK126939, RIMS2, TM7SF4, DPYS, LRP12	0.201743795	0.009126747	0.07	0.27
8q#116786_116791	8	124801419-124840858	39440	ANXA13	0.201743795	0.009126747	0.07	0.27
8q#117207_117210	8	130833296-130968099	34804	MLZE	0.201743795	0.009126747	0.07	0.27
8q#115896_115898	8	112334894-112386137	51244		0.201743795	0.009126747	0.07	0.27
8q#117151_117206	8	129948567-130823912	875346	CR593328, CCDC26	0.201743795	0.009126747	0.07	0.27
8q#115930_115954	8	113334775-113554014	219240	CSMD3	0.201743795	0.009126747	0.07	0.27
8q#115899_115929	8	112428669-113325815	897147	CSMD3	0.201743795	0.009126747	0.07	0.27
8q#117129_117131	8	129302340-129381779	79440		0.201743795	0.009126747	0.07	0.27
8q#114043_114067	8	88907073-89193540	286488	WDR21C, AL136588, MMP16	0.201743795	0.009126747	0.07	0.27
8q#114036_114042	8	88712289-88871128	158840		0.201743795	0.009126747	0.07	0.27
11q#145751_145753	11	74405542-74446516	40975		0	0.00953814	0.00	0.12
11q#145754_145760	11	74461940-74522516	60577		0	0.00953814	0.00	0.12
20q#216906_216914	20	51903443-52008335	104893	CR749643, BCAS1	0	0.00953814	0.00	0.12
20q#216916_216919	20	52027394-52053944	26551	BCAS1	0	0.00953814	0.00	0.12
8p#110545_110547	8	37957721-37983735	26015		0.227348395	0.012979219	0.08	0.29
8p#110504_110523	8	37682968-37823649	140682	BC031939, SPFH2, PROSC, GPR124, BRF2	0.227348395	0.012979219	0.08	0.29
8p#110524_110531	8	37829886-37868676	38791	RAB11FIP1	0.227348395	0.012979219	0.08	0.29
8p#110533_110537	8	37882239-37913593	31355	GOT1L1	0.227348395	0.012979219	0.08	0.29
8p#110539_110544	8	37936616-37951757	15142	ADRB3	0.227348395	0.012979219	0.08	0.29
8p#110548_110566	8	37998344-38140275	141932	EIF4EBP1, ASH2L, STAR, LSM1	0.227348395	0.012979219	0.08	0.29
8p#110491_110492	8	37443238-37461459	18222		0.227348395	0.012979219	0.08	0.29
8q#117084_117089	8	128812188-128829126	16939	BC042052, M13930, MYC	0.227348395	0.012979219	0.08	0.29
8p#110840_110841	8	40986955-41025189	38235		0.19375398	0.013919479	0.05	0.22
8p#110787_110793	8	40291498-40419776	128279		0.19375398	0.013919479	0.05	0.22
8p#110794_110806	8	40462162-40597631	135470	ZMAT4	0.19375398	0.013919479	0.05	0.22
8q#117956_117972	8	141310698-141456935	146238	NIBP	0.19375398	0.013919479	0.05	0.22
8q#117973_117979	8	141473079-141531064	57986	NIBP	0.19375398	0.013919479	0.05	0.22
8q#118033_118049	8	141936333-142072345	136013	PTK2	0.19375398	0.013919479	0.05	0.22
8q#118050_118062	8	142077364-14223436	146073	PTK2, DENND3	0.19375398	0.013919479	0.05	0.22
8q#118077_118078	8	142359106-142368636	9531		0.19375398	0.013919479	0.05	0.22
8q#118064_118068	8	142238969-142274992	36024	DENND3	0.19375398	0.013919479	0.05	0.22
8q#118072_118076	8	142300511-142339717	39207	AK128212	0.19375398	0.013919479	0.05	0.22
8q#118069_118071	8	142274933-142287495	12563	DENND3, BC007262	0.19375398	0.013919479	0.05	0.22
8p#110773_110776	8	40018285-40094811	76527		0.147539395	0.01433266	0.03	0.20
8p#110720_110726	8	39511632-39599507	87876	ADAM18	0.147539395	0.01433266	0.03	0.20
8p#110777_110782	8	40107557-40137654	30098	C8orf4	0.147539395	0.01433266	0.03	0.20
8p#110708_110719	8	39435320-39505315	69996	X89654	0.147539395	0.01433266	0.03	0.20
8p#110967_110971	8	42386243-42416328	30086	AK023965, SLC20A2	0.147539395	0.01433266	0.03	0.20
8p#110961_110966	8	42353370-42379452	26083	DKK4, AK023965, VDACC3	0.147539395	0.01433266	0.03	0.20
8q#118133_118142	8	142935476-143041822	106347		0.147539395	0.01433266	0.03	0.20
11q#145256_145258	11	69721335-69728537	7203	FADD	0.315906696	0.017976693	0.15	0.37
11q#145234_145242	11	69370206-69580819	210614	BC039105	0.315906696	0.017976693	0.15	0.37
11q#145243_145255	11	69599341-69711968	112628	TMEM16A	0.315906696	0.017976693	0.15	0.37

8q#113009_113147	8	73603188-74991383	1388196	P, AK097340, RPL7, RDH10, AK128216, AK056720, AK0	0.228990649	0.018258399	0.07	0.24
8q#113825_113852	8	86194621-86433041	238421	LRRCC1, BC039099, E2F5, AK093753, CA13, CA1	0.228990649	0.018258399	0.07	0.24
8q#113591_113604	8	82439287-82566189	126903	PMP2, FABP4	0.228990649	0.018258399	0.07	0.24
8q#114068_114111	8	89200169-89780047	579879	MMP16	0.228990649	0.018258399	0.07	0.24
8q#114150_114214	8	90862445-91872333	1009889	2, C8orf1, NBN, DECR1, CALB1, S46006, TMEM64, BC1	0.228990649	0.018258399	0.07	0.24
8q#114249_114292	8	92155231-92612951	457721	OTUD6B, AK097393, BC060784, SLC26A7	0.228990649	0.018258399	0.07	0.24
8p#110480_110483	8	37121842-37192999	71158		0.228990649	0.018258399	0.07	0.24
8q#112986_113008	8	73168719-73585983	417265		0.228990649	0.018258399	0.07	0.24
8q#113245_113254	8	76344164-76514054	169891	BC062758, BC054009	0.228990649	0.018258399	0.07	0.24
8q#113683_113684	8	83730313-83753923	23611		0.228990649	0.018258399	0.07	0.24
8q#113674_113682	8	83493595-83707357	213763		0.228990649	0.018258399	0.07	0.24
8q#113685_113687	8	83805547-83869371	63825		0.228990649	0.018258399	0.07	0.24
8q#113717_113737	8	84732171-85258857	526687	LOC138046	0.228990649	0.018258399	0.07	0.24
8q#113654_113673	8	83038864-83435568	396705		0.228990649	0.018258399	0.07	0.24
8q#114034_114035	8	88673876-88691167	17292		0.228990649	0.018258399	0.07	0.24
8q#112973_112985	8	73033160-73158623	125464	AK123315, TRPA1	0.228990649	0.018258399	0.07	0.24
8q#113706_113716	8	84443374-84707075	263702		0.228990649	0.018258399	0.07	0.24
8q#113934_113981	8	87548390-88014696	466307	WWP1, FAM82B, CPNE3, CNGB3, CNBD1	0.228990649	0.018258399	0.07	0.24
8q#112895_112900	8	71779510-71862451	82942	XKR9	0.228990649	0.018258399	0.07	0.24
8q#112969_112972	8	72949261-73020051	70791	AK123315	0.228990649	0.018258399	0.07	0.24
8q#112955_112968	8	72758345-72940978	182634	MSC, AK123315	0.228990649	0.018258399	0.07	0.24
8p#110567_110573	8	38146564-38185996	39433	LSM1, BAG4	0.256230183	0.02429638	0.08	0.27
8p#110584_110586	8	38252325-38266148	13824	WHSC1L1	0.256230183	0.02429638	0.08	0.27
8p#110574_110583	8	38195486-38245162	49677	DDHD2, PPAPDC1B	0.256230183	0.02429638	0.08	0.27
8q#113467_113468	8	80915570-80934348	18779	AK055332	0.256230183	0.02429638	0.08	0.27
8q#113490_113499	8	81155170-81232913	77744	TPD52	0.256230183	0.02429638	0.08	0.27
8q#113787_113796	8	85698213-85783705	85493	LOC138046	0.256230183	0.02429638	0.08	0.27
8q#113874_113878	8	86598194-86726033	127840		0.256230183	0.02429638	0.08	0.27
8q#113500_113511	8	81242892-81514651	271760	TPD52	0.256230183	0.02429638	0.08	0.27
8q#113887_113906	8	87021041-87244388	223348	PSKH2, ATP6V0D2	0.256230183	0.02429638	0.08	0.27
11q#145281_145282	11	69929054-69939945	10892	CTTN	0.306404335	0.025677666	0.14	0.34
11q#145491_145497	11	72071908-72122420	50513	CENTD2, AB209473	0	0.025826113	0.00	0.10
11q#145606_145609	11	73097162-73119489	22328	RAB6A	0	0.025826113	0.00	0.10
11q#145761_145764	11	74533488-74557894	24407	SLCO2B1	0	0.025826113	0.00	0.10
11q#145739_145750	11	74308723-74396411	87689	AK056364, SPCS2, CR607144, BC065746, NEU3	0	0.025826113	0.00	0.10
11q#145735_145738	11	74265911-74300233	34323	AK056364	0	0.025826113	0.00	0.10
20q#216931_216937	20	52190285-52229938	39654	CYP24A1	0	0.025826113	0.00	0.10
17q#199236_199247	17	64231936-64425234	193299	ABCA8	0	0.025826113	0.00	0.10
20q#216920_216925	20	52062957-52101367	38411	BCAS1	0	0.025826113	0.00	0.10
20q#216929_216930	20	52146958-52175954	28997		0	0.025826113	0.00	0.10
20q#216926_216928	20	52108626-52130381	21756	BCAS1	0	0.025826113	0.00	0.10
11q#146470_146472	11	83505923-83523031	17109	DLG2	0	0.025826113	0.00	0.10
8p#110738_110745	8	39693726-39746308	52583	ADAM18, AY358321, ADAM2	0.173456259	0.029975296	0.03	0.17
8p#110729_110737	8	39625172-39683452	58281	ADAM18	0.173456259	0.029975296	0.03	0.17
8p#110727_110728	8	39605695-39614031	8337	ADAM18	0.173456259	0.029975296	0.03	0.17
8p#110769_110772	8	39971727-40003806	32080	AK128691	0.173456259	0.029975296	0.03	0.17
11q#145373_145374	11	70849757-70855490	5734	NADSYN1	0.173456259	0.029975296	0.03	0.17
11q#145358_145365	11	70748178-70803966	55789	FLJ42102	0.173456259	0.029975296	0.03	0.17
11q#145375_145376	11	70866286-70876131	9846	NADSYN1	0.173456259	0.029975296	0.03	0.17
8p#110972_110988	8	4242880-42532970	110091	SLC20A2, C8orf40	0.173456259	0.029975296	0.03	0.17
8q#118555_118562	8	146193476-146264902	71427	BC065734, C8orf77, C8orf33	0.173456259	0.029975296	0.03	0.17
8q#118550_118554	8	146144778-146189034	44257	ZNF16, BC016287	0.173456259	0.029975296	0.03	0.17
11q#145345_145350	11	70534691-70581405	46715	DQ152234, AK096045	0.173456259	0.029975296	0.03	0.17
11q#145366_145369	11	70810008-70827784	17777	FLJ42102, DHCR7	0.173456259	0.029975296	0.03	0.17
11q#145370_145372	11	70833309-70843794	10486	DHCR7, NADSYN1	0.173456259	0.029975296	0.03	0.17

8q#118461_118474	8	145571760-145635884	64125	ADCK5, CPSF1, AK056900, SLC39A4, VPS28, NFKBIL2	0.173456259	0.029975296	0.03	0.17
8q#118542_118549	8	146077440-146131902	54463	ZNF250, ZNF16	0.173456259	0.029975296	0.03	0.17
11q#145351_145355	11	70592909-70668708	75800	AK096045	0.173456259	0.029975296	0.03	0.17
8p#110959_110960	8	42341996-42348409	6414	POLB	0.173456259	0.029975296	0.03	0.17
8q#118143_118151	8	143051242-143155389	104148		0.173456259	0.029975296	0.03	0.17
11q#145127_145130	11	68260570-68278894	18325	MTL5, CPT1A	0.173456259	0.029975296	0.03	0.17
11q#145274_145280	11	69873295-69916904	43610	PPFIA1, AK125463	0.35105655	0.032275262	0.15	0.34
11q#145272_145273	11	69859410-69867355	7946	PPFIA1	0.35105655	0.032275262	0.15	0.34
11q#145195_145203	11	69104365-69187704	83340	CCND1	0.35105655	0.032275262	0.15	0.34
11q#145224_145229	11	69315768-69339391	23624	FGF3	0.35105655	0.032275262	0.15	0.34
11q#145204_145209	11	69191919-69205108	13190	ORAOV1	0.35105655	0.032275262	0.15	0.34
11q#145213_145223	11	69230956-69311422	80467	FGF4	0.35105655	0.032275262	0.15	0.34
11q#145230_145233	11	69339332-69357439	18108	FGF3	0.35105655	0.032275262	0.15	0.34
11q#145210_145212	11	69214528-69223664	9137	FGF19	0.35105655	0.032275262	0.15	0.34
11q#145259_145266	11	69730962-69797458	66497	FADD, PPFIA1	0.357660872	0.034744842	0.17	0.37
8q#114726_114772	8	98196004-98753988	557985	PGCP, AK091342, TSPYL5, MTDH	0.262254808	0.035402659	0.07	0.22
8q#114675_114725	8	97729387-98182574	453188	PGCP	0.262254808	0.035402659	0.07	0.22
8q#116680_116694	8	123922055-124039391	117337	ZHX2	0.262254808	0.035402659	0.07	0.22
8q#117891_117894	8	140752080-140777621	25542	KCNK9	0.262254808	0.035402659	0.07	0.22
8q#117895_117898	8	140782694-140810425	27732	KCNK9	0.262254808	0.035402659	0.07	0.22
8q#116007_116062	8	114019199-114462092	442894	CSMD3	0.262254808	0.035402659	0.07	0.22
8q#114652_114674	8	97515515-97719105	203591	SDC2	0.262254808	0.035402659	0.07	0.22
8q#117903_117929	8	140858949-141084242	225294	NIBP	0.262254808	0.035402659	0.07	0.22
8q#117899_117902	8	140815701-140851180	35480	NIBP	0.262254808	0.035402659	0.07	0.22
8q#117930_117938	8	141093485-141153033	59549	NIBP	0.262254808	0.035402659	0.07	0.22
8q#117241_117287	8	131157726-131579047	421322	DDEF1, AX721314	0.262254808	0.035402659	0.07	0.22
8q#117288_117305	8	131610146-131919396	309251	ADCY8	0.262254808	0.035402659	0.07	0.22
8q#117534_117551	8	134541526-134781502	239977	ST3GAL1, CR619813	0.262254808	0.035402659	0.07	0.22
8q#117648_117679	8	136535220-137027478	492259	KHDRBS3	0.262254808	0.035402659	0.07	0.22
8q#117693_117699	8	137301071-137501751	200681		0.262254808	0.035402659	0.07	0.22
8q#117702_117707	8	137607312-137737865	130554		0.262254808	0.035402659	0.07	0.22
8q#117715_117738	8	137952089-138585982	633894		0.262254808	0.035402659	0.07	0.22
8q#114297_114629	8	92719509-97249316	4529808	67, PPM2C, CDH17, GEM, RAD54B, KIAA1429, RBM35, MTERFD1, PTDSS1	0.262254808	0.035402659	0.07	0.22
8q#114636_114648	8	97327227-97423471	96245		0.262254808	0.035402659	0.07	0.22
8q#117700_117701	8	137538646-137579719	41074		0.262254808	0.035402659	0.07	0.22
8q#117939_117955	8	141159454-141303124	143671	NIBP	0.262254808	0.035402659	0.07	0.22
8p#110622_110623	8	38667707-38687938	20232		0.262254808	0.035402659	0.07	0.22
8q#117708_117714	8	137762418-137919367	156950		0.262254808	0.035402659	0.07	0.22
8q#114112_114117	8	89796449-89973673	177225		0.262254808	0.035402659	0.07	0.22
8q#114120_114149	8	90087089-90851298	764210	CR590356, RIPK2	0.262254808	0.035402659	0.07	0.22
8q#114630_114635	8	97270632-97321078	50447	UQCRB, MTERFD1	0.262254808	0.035402659	0.07	0.22
8q#114649_114651	8	97435814-97472867	37054		0.262254808	0.035402659	0.07	0.22
8q#114118_114119	8	90000352-90028689	28338		0.262254808	0.035402659	0.07	0.22
8q#114031_114033	8	88599436-88649344	49909		0.262254808	0.035402659	0.07	0.22
8q#113982_114030	8	88021017-88563034	542018	CNBD1	0.262254808	0.035402659	0.07	0.22
8q#112901_112921	8	71898193-72299092	400900	EYA1	0.262254808	0.035402659	0.07	0.22
8q#112923_112954	8	72314292-72714795	400504	EYA1, BC035138	0.262254808	0.035402659	0.07	0.22
8q#112882_112894	8	71663553-71762912	99360	TRAM1, AL833348, LACTB2, XKR9	0.262254808	0.035402659	0.07	0.22
8q#112869_112880	8	71454673-71648465	193793	NCOA2, AK024336, TRAM1	0.262254808	0.035402659	0.07	0.22
11q#145138_145139	11	68351507-68358181	6675	CPT1A	0.262254808	0.035402659	0.07	0.22
11q#145294_145299	11	70045289-70105109	59821	SHANK2	0.329204016	0.038706637	0.12	0.29
11q#145285_145290	11	69968689-70012823	44135	SHANK2	0.329204016	0.038706637	0.12	0.29
11q#145522_145524	11	72318677-72335322	16646	FCHSD2	0.12655916	0.040863027	0.02	0.12
11q#145525_145535	11	72341966-72432083	90118	FCHSD2	0.12655916	0.040863027	0.02	0.12
17q#199178_199184	17	63587647-63709512	121866	CR595591, AK126078	0.12655916	0.040863027	0.02	0.12

8p#110766	110768	8	39950926-39962394	11469	AK128691	0.207958431	0.060900114	0.03	0.15
8p#110465	110467	8	36835421-36850864	15444	BC028701	0.207958431	0.060900114	0.03	0.15
11q#145871	145877	11	75357518-75421585	64068	UVRAG	0.207958431	0.060900114	0.03	0.15
11q#145852	145855	11	75200505-75224419	23915	UVRAG	0.207958431	0.060900114	0.03	0.15
11q#145865	145867	11	75315081-75330505	15425	UVRAG	0.207958431	0.060900114	0.03	0.15
11q#145868	145870	11	75337802-75350249	12448	UVRAG	0.207958431	0.060900114	0.03	0.15
11q#145115	145126	11	68142018-68254945	112928	GAL, MTL5	0.207958431	0.060900114	0.03	0.15
11q#146201	146202	11	78565177-78576218	11042	AF009227	0.207958431	0.060900114	0.03	0.15
11q#145485	145490	11	72024096-72061883	37788	PDE2A	0	0.065924552	0.00	0.07
11q#145610	145613	11	73133700-73169890	36191	RAB6A	0	0.065924552	0.00	0.07
11q#145483	145484	11	72016501-72020078	3578	PDE2A	0	0.065924552	0.00	0.07
11q#145614	145616	11	73177047-73193751	16705	MRPL48	0	0.065924552	0.00	0.07
11q#145617	145632	11	73200297-73316373	116077	MRPL48, CHCHD8, WDR71	0	0.065924552	0.00	0.07
11q#145662	145664	11	73543893-73561471	17579	DKFZP586P0123, PPME1	0	0.065924552	0.00	0.07
11q#145639	145643	11	73368746-73392407	23662	UCP2, UCP3	0	0.065924552	0.00	0.07
11q#145477	145482	11	71992354-72013123	20770	PDE2A	0	0.065924552	0.00	0.07
11q#145470	145472	11	71947143-71965329	18187	PDE2A	0	0.065924552	0.00	0.07
11q#145473	145476	11	71971569-71988430	16862	PDE2A	0	0.065924552	0.00	0.07
11q#145658	145661	11	73511652-73537538	25887	DKFZP586P0123	0	0.065924552	0.00	0.07
11q#145665	145667	11	73568889-73586636	17748	PPME1	0	0.065924552	0.00	0.07
11q#145645	145647	11	73406120-73419703	13584	BC035599	0	0.065924552	0.00	0.07
20q#216938	216940	20	52234424-52247247	12824		0	0.065924552	0.00	0.07
20q#216941	216953	20	52253876-52490986	237111	PFDN4	0	0.065924552	0.00	0.07
17q#199268	199289	17	64632594-64817098	184505	ABCA6, ABCA10, ABCA5	0	0.065924552	0.00	0.07
11q#145721	145734	11	74123286-74251692	128407	AB082522, AK056364	0	0.065924552	0.00	0.07
11q#145648	145657	11	73426111-73502453	76343	DKFZP586P0123	0	0.065924552	0.00	0.07
20q#216954	216958	20	52501284-52543408	42125	DOK5	0	0.065924552	0.00	0.07
17q#199248	199267	17	64440930-64619913	178984	ABCA8, ABCA9, ABCA6	0	0.065924552	0.00	0.07
17q#199965	199967	17	72402560-72417588	15029	MGAT5B	0	0.065924552	0.00	0.07
17q#199909	199910	17	71951534-71963300	11767	UBE2O, BC092430	0	0.065924552	0.00	0.07
8p#110179	110193	8	32349470-32462973	113504	NRG1	0	0.065924552	0.00	0.07
6q#89609	89637	6	112713377-113370881	657505	LOC442247	0	0.065924552	0.00	0.07
6q#89727	89737	6	115160607-115754878	594272		0	0.065924552	0.00	0.07
6q#89758	89763	6	116427569-116469311	41743	FRK	0	0.065924552	0.00	0.07
6q#89155	89186	6	108146960-108528752	381793	SCML4, AK093571, SEC63, OSTM1	0	0.065924552	0.00	0.07
6q#89748	89757	6	116232190-116414338	182149	FRK	0	0.065924552	0.00	0.07
6q#89764	89784	6	116481339-116656631	175293	FRK, NT5DC1	0	0.065924552	0.00	0.07
6q#89638	89647	6	113408190-113685756	277567		0	0.065924552	0.00	0.07
6q#89243	89292	6	109118180-109659815	541636	927446, CR627448, ARMC2, SESN1, BC064365, C6orf	0	0.065924552	0.00	0.07
6q#89589	89608	6	112536988-112695796	158809	LAMA4	0	0.065924552	0.00	0.07
6q#89187	89242	6	108561453-109106330	544878	AF520419, BC031282, NR2E1, SNX3, LACE1, FOXO3A	0	0.065924552	0.00	0.07
11q#146473	146481	11	83534566-83617818	83253	DLG2	0	0.065924552	0.00	0.07
8q#117552	117600	8	134815800-135771727	955928	ZNF406	0.303775269	0.066242529	0.07	0.20
8q#117610	117647	8	135868705-136525223	656519	AL833303, AK057402, BC045817	0.303775269	0.066242529	0.07	0.20
8q#117739	117740	8	138606515-138653365	46851		0.303775269	0.066242529	0.07	0.20
8q#117601	117609	8	135779861-135860602	80742	ZNF406	0.303775269	0.066242529	0.07	0.20
8p#110808	110820	8	40619934-40735617	115684	ZMAT4	0.303775269	0.066242529	0.07	0.20
8p#110830	110834	8	40832253-40863334	31082	ZMAT4	0.303775269	0.066242529	0.07	0.20
8p#110821	110829	8	40744369-40823546	79178	ZMAT4	0.303775269	0.066242529	0.07	0.20
8q#112520	112529	8	67823437-67897203	73767	SGK3	0.303775269	0.066242529	0.07	0.20
8q#112518	112519	8	67807035-67817648	10614	SGK3	0.303775269	0.066242529	0.07	0.20
8q#112813	112868	8	70890705-71444457	553753	SLCO5A1, BC038549, PRDM14, NCOA2	0.303775269	0.066242529	0.07	0.20
8q#112424	112471	8	66840555-67407537	566983	PDE7A, DNAJC5B, TRIM55, CRH	0.303775269	0.066242529	0.07	0.20
8q#112491	112517	8	67596813-67801738	204926	37, BC101187, VCIPI1, AK123514, BX649057, C8orf44,	0.303775269	0.066242529	0.07	0.20
8q#112799	112812	8	70779833-70880440	100608	SLCO5A1	0.303775269	0.066242529	0.07	0.20

8q#112141_112156	8	62726192-62949565	22374	ASPH	0.303775269	0.066242529	0.07	0.20
8q#112096_112140	8	62284280-62718547	434268	MGC34646, ASPH	0.303775269	0.066242529	0.07	0.20
8q#112157_112158	8	62969998-63008458	38461		0.303775269	0.066242529	0.07	0.20
8q#111676_111689	8	56309637-56422182	112546	XKR4	0.303775269	0.066242529	0.07	0.20
11q#145300_145306	11	70110393-70161915	51523	SHANK2	0.371015271	0.067423806	0.12	0.27
11q#145291_145293	11	70020742-70035125	14384	SHANK2	0.382969231	0.074897159	0.14	0.29
8q#117795_117890	8	139407719-140741532	1333814	BC037288, AB196635, COL22A1, AK090707, KCNK9	0.333061339	0.078727269	0.08	0.22
8q#116063_116073	8	114473389-114590226	116838	CSMD3	0.333061339	0.078727269	0.08	0.22
8q#117757_117794	8	138978739-139399223	420485	AK127771, CR936831, LOC51059, BC037288	0.333061339	0.078727269	0.08	0.22
8q#117680_117692	8	137053745-137259260	205516		0.333061339	0.078727269	0.08	0.22
8q#117753_117756	8	138914259-138954401	40143	AK127771	0.333061339	0.078727269	0.08	0.22
8q#117352_117364	8	132805726-133031467	225742	BC071611, KIAA0143	0.333061339	0.078727269	0.08	0.22
8q#117365_117416	8	133041050-133446674	405625	KIAA0143, HHLA1, KCNQ3	0.333061339	0.078727269	0.08	0.22
8q#117417_117428	8	133453608-133555655	102048	KCNQ3	0.333061339	0.078727269	0.08	0.22
8q#117459_117480	8	133881400-134042501	161102	PHF20L1, TG	0.333061339	0.078727269	0.08	0.22
8q#117528_117533	8	134459068-134535159	76092		0.333061339	0.078727269	0.08	0.22
8q#117481_117527	8	134050867-134439180	388314	TG, WISP1, NDRG1	0.333061339	0.078727269	0.08	0.22
8q#112710_112736	8	69645163-69884558	239396	C8orf34	0.333061339	0.078727269	0.08	0.22
8q#112737_112746	8	69893426-70046493	153068	C8orf34, AK055514	0.333061339	0.078727269	0.08	0.22
11q#145144_145156	11	68417608-68508223	90616	MRPL21, IGHMBP2	0.333061339	0.078727269	0.08	0.22
8p#110897_110905	8	41723484-41803657	80174	ANK1, AB209418	0.263800435	0.086316232	0.05	0.17
8p#110906_110909	8	41813726-41854855	41130	AB209418	0.263800435	0.086316232	0.05	0.17
8p#110910_110923	8	41878081-41996369	118289	MYST3	0.263800435	0.086316232	0.05	0.17
8p#110924_110929	8	42008140-42062378	54239	MYST3	0.263800435	0.086316232	0.05	0.17
8p#110666_110672	8	39047989-39094812	46824	ADAM9, ADAM32	0.263800435	0.086316232	0.05	0.17
8p#110700_110702	8	39356595-39368568	11974	LOC651362	0.263800435	0.086316232	0.05	0.17
11q#145337_145344	11	70490787-70530781	39995	DQ152234	0.263800435	0.086316232	0.05	0.17
8p#110930_110940	8	42079983-42167003	87021	AP3M2, FLAT	0.263800435	0.086316232	0.05	0.17
8p#110681_110690	8	39198153-39268650	70498	ADAM32	0.263800435	0.086316232	0.05	0.17
8p#110942_110958	8	42191493-42337801	146309	AK023965, KBKB, POLB	0.263800435	0.086316232	0.05	0.17
11q#145953_145966	11	76228831-76364976	136146	PHCA	0.263800435	0.086316232	0.05	0.17
11q#145967_145975	11	76374332-76437795	63464	PHCA, B3GNT6	0.263800435	0.086316232	0.05	0.17
11q#145135_145137	11	68323254-68339379	16126	CPT1A	0.263800435	0.086316232	0.05	0.17
11q#145943_145952	11	76093938-76218173	124236	LRRCS4	0.263800435	0.086316232	0.05	0.17
11q#145909_145914	11	75760172-75806457	46286	PRKRIR, AK125821	0.263800435	0.086316232	0.05	0.17
11q#145131_145134	11	68280954-68305936	24983	CPT1A	0.263800435	0.086316232	0.05	0.17
11q#145937_145942	11	76046219-76076071	29853	LRRCS2	0.263800435	0.086316232	0.05	0.17
11q#145934_145935	11	76031497-76036856	5360		0.263800435	0.086316232	0.05	0.17
8q#113419_113425	8	79883564-79991669	108106		0.354815471	0.09388675	0.10	0.24
8q#113559_113586	8	82033723-82359793	326071	PAG1, FABP5, G36744	0.354815471	0.09388675	0.10	0.24
8q#113587_113589	8	82367852-82385787	17936		0.354815471	0.09388675	0.10	0.24
8q#113359_113375	8	78626594-79217110	590517		0.354815471	0.09388675	0.10	0.24
8q#113697_113704	8	84160967-84360760	199794		0.354815471	0.09388675	0.10	0.24
8q#112641_112683	8	68995515-69413194	417680	DEPDC2, BC041480, BC041961	0.357077272	0.119063003	0.07	0.17
8q#112684_112689	8	69419424-69468258	48835	BC041961	0.357077272	0.119063003	0.07	0.17
8q#111134_111136	8	48585086-48599105	14020	D63480	0.357077272	0.119063003	0.07	0.17
8q#111192_111198	8	49079208-49140620	61413	UBE2V2	0.357077272	0.119063003	0.07	0.17
8q#112008_112011	8	61159379-61251016	91638		0.357077272	0.119063003	0.07	0.17
8q#111137_111182	8	48616582-49019194	402613	D63480, CEBPD, AK095778, PRKDC	0.357077272	0.119063003	0.07	0.17
8q#112012_112027	8	61258314-61413809	155496	CA8	0.357077272	0.119063003	0.07	0.17
8q#112378_112380	8	65883275-65917776	34502		0.357077272	0.119063003	0.07	0.17
8q#112375_112377	8	65854781-65870043	15263	CYP7B1	0.357077272	0.119063003	0.07	0.17
8q#112422_112423	8	66820229-66825817	5589	PDE7A	0.357077272	0.119063003	0.07	0.17
8q#112472_112490	8	67425127-67591305	166179	AK125958, RRS1, ADHFE1, C8orf46	0.357077272	0.119063003	0.07	0.17
8q#111925_111937	8	59698838-59880762	181925	NSMAF, TOX	0.357077272	0.119063003	0.07	0.17

8q#111979_111988	8	60262331-60525999	263669			0.357077272	0.119063003	0.07	0.17
8q#111989_112001	8	60560440-60942512	382073			0.357077272	0.119063003	0.07	0.17
8q#111183_111191	8	49032342-49066854	34513	PRKDC, MCM4		0.357077272	0.119063003	0.07	0.17
8q#112304_112360	8	64751965-65726496	974532	AK124256, AK124231, AK097150, BHLHB5, CYP7B1		0.357077272	0.119063003	0.07	0.17
8q#112361_112374	8	65734459-65846691	112233	CYP7B1		0.357077272	0.119063003	0.07	0.17
8q#112381_112382	8	65961271-65993951	32681			0.357077272	0.119063003	0.07	0.17
8q#112383_112394	8	66052639-66434359	381721			0.357077272	0.119063003	0.07	0.17
8q#112412_112421	8	66744638-66809693	65056	MTFR1, BC043498, PDE7A		0.357077272	0.119063003	0.07	0.17
11q#146005_146032	11	76695269-77000072	304804	PAK1, AQP11		0.357077272	0.119063003	0.07	0.17
8q#111268_111269	8	50522918-50546949	24032			0.357077272	0.119063003	0.07	0.17
8q#111200_111202	8	49161294-49214163	52870			0.357077272	0.119063003	0.07	0.17
8q#111891_111924	8	59351398-59682981	331584	AK126300, CYP7A1, SDCBP, NSMAF		0.357077272	0.119063003	0.07	0.17
8q#112395_112411	8	66462399-66733001	270603	AK094960, ARMC1, MTFR1		0.357077272	0.119063003	0.07	0.17
11q#145995_146004	11	76603764-76688001	84238	MYO7A, GPPD4		0.357077272	0.119063003	0.07	0.17
8q#111690_111809	8	56435183-57771894	1336712	PIP, LYN, AK094652, RPS20, MOS, PLAG1, CHCHD7, R		0.357077272	0.119063003	0.07	0.17
8q#111810_111814	8	57804199-57940061	135863			0.357077272	0.119063003	0.07	0.17
8q#111384_111388	8	52021211-52205221	184011			0.357077272	0.119063003	0.07	0.17
8q#111426_111436	8	52893111-53005574	112464	PCMTD1, BC010693		0.357077272	0.119063003	0.07	0.17
8q#111422_111425	8	52802571-52885780	83210			0.357077272	0.119063003	0.07	0.17
8q#111230_111250	8	49785579-50058332	272754	EFCAB1, SNAI2		0.357077272	0.119063003	0.07	0.17
8q#111203_111210	8	49253853-49516944	263092			0.357077272	0.119063003	0.07	0.17
8q#111815_111829	8	57974100-58212461	238362	BC009639, IMPAD1		0.357077272	0.119063003	0.07	0.17
8q#111596_111616	8	55115869-55406596	290728	LYPLA1, MRPL15		0.357077272	0.119063003	0.07	0.17
8q#111389_111417	8	52236520-52630832	394313	PXDNL		0.357077272	0.119063003	0.07	0.17
8q#111437_111514	8	53038645-53928977	890333	ST18, UNQ9433, RB1CC1		0.357077272	0.119063003	0.07	0.17
8q#111556_111595	8	54642612-55106223	463612	ATP6V1H, RGS20, TCEA1		0.357077272	0.119063003	0.07	0.17
8q#111418_111421	8	52669136-52769686	100551			0.357077272	0.119063003	0.07	0.17
11q#145921_145933	11	75867701-76004522	136822	C11orf30		0.357077272	0.119063003	0.07	0.17
11q#145982_145992	11	76485299-76566536	81238	CAPN5, MYO7A		0.357077272	0.119063003	0.07	0.17
11q#145915_145920	11	75813321-75858688	45368	C11orf30		0.357077272	0.119063003	0.07	0.17
8q#111211_111229	8	49554940-49774065	219126	AK092055, FLJ46365		0.357077272	0.119063003	0.07	0.17
11q#145378_145381	11	70896315-70926016	29702	KRTAP5-8		0.256169021	0.119389723	0.03	0.12
11q#145802_145807	11	74812434-74851525	39092	FLJ33790, X61598, GPPD5		0.256169021	0.119389723	0.03	0.12
8p#110989_110994	8	42552555-42663066	110512			0.256169021	0.119389723	0.03	0.12
11q#145783_145790	11	74714333-74737763	23431	ARRB1		0.256169021	0.119389723	0.03	0.12
11q#145793_145801	11	74753980-74807375	53396	X61598, RPS3		0.256169021	0.119389723	0.03	0.12
17q#198503_198512	17	56433141-56515261	82121	BCAS3		0.256169021	0.119389723	0.03	0.12
8p#110995_111010	8	42671789-42785257	113469	CHRN3, X67513, CHRNA6		0.256169021	0.119389723	0.03	0.12
17q#198358_198359	17	55045844-55053609	7766	GLTC		0.256169021	0.119389723	0.03	0.12
11q#145808_145821	11	74863075-74970226	107152	GPPD5, X61598, SERPINH1		0.256169021	0.119389723	0.03	0.12
11q#145823_145844	11	74980612-75135039	154428	MAP6, MOGAT2		0.256169021	0.119389723	0.03	0.12
17q#198488_198502	17	56278487-56422793	144307	BCAS3		0.256169021	0.119389723	0.03	0.12
17q#198513_198514	17	56522082-56533410	11329	BCAS3		0.256169021	0.119389723	0.03	0.12
17q#199125_199128	17	62922435-62953823	31389	PITPNC1		0.256169021	0.119389723	0.03	0.12
11q#145845_145851	11	75146464-75190202	43739	BC039351, DGAT2		0.256169021	0.119389723	0.03	0.12
11q#145856_145861	11	75232076-75277615	45540	UVRAG		0.256169021	0.119389723	0.03	0.12
11q#145862_145864	11	75284097-75303183	19087	UVRAG		0.256169021	0.119389723	0.03	0.12
11q#145791_145792	11	74742410-74748665	6256			0.256169021	0.119389723	0.03	0.12
17q#199129_199145	17	62968913-63119183	150271	PITPNC1		0.256169021	0.119389723	0.03	0.12
11q#145882_145883	11	75472932-75486607	13676	UVRAG		0.256169021	0.119389723	0.03	0.12
11q#145878_145881	11	75437149-75466964	29816	UVRAG		0.256169021	0.119389723	0.03	0.12
11q#145884_145888	11	75496709-75536446	39738	UVRAG		0.256169021	0.119389723	0.03	0.12
11q#145889_145893	11	75547939-75582688	34750	WNT11		0.256169021	0.119389723	0.03	0.12
11q#146159_146169	11	78137964-78240296	102333	AB037723		0.256169021	0.119389723	0.03	0.12
11q#146186_146189	11	78411830-78431953	20124	AF009227		0.256169021	0.119389723	0.03	0.12

11q#146170_146185	11	78249277-78400611	151335	AF009227	0.256169021	0.119389723	0.03	0.12
11q#146190_146200	11	78440129-78549012	108884	AF009227	0.256169021	0.119389723	0.03	0.12
11q#145187_145188	11	68913061-68943607	30547		0.431615069	0.122174291	0.14	0.27
8q#117741_117752	8	138686235-138905097	218863	AK127771	0.385787372	0.134951498	0.08	0.20
11q#145319_145320	11	70324966-70348666	23701	DQ152234	0.385787372	0.134951498	0.08	0.20
11q#145317_145318	11	70304714-70313682	8969	DQ152234	0.385787372	0.134951498	0.08	0.20
8q#112558_112559	8	68144856-68149271	4416	AM156947	0.385787372	0.134951498	0.08	0.20
8q#112550_112557	8	68092487-68137051	44565	LOC286187, COPS5	0.385787372	0.134951498	0.08	0.20
8q#112534_112549	8	67934862-68080032	145171	SGK3, C8orf45, AL83526, LOC286187	0.385787372	0.134951498	0.08	0.20
8q#112530_112533	8	67903083-67926622	23540	SGK3	0.385787372	0.134951498	0.08	0.20
8q#112560_112634	8	68159060-68829190	670131	CSPP1, AB209324, ARFGEF1, BC030256, CPA6	0.385787372	0.134951498	0.08	0.20
8q#112697_112709	8	69545824-69639571	93748	C8orf34	0.385787372	0.134951498	0.08	0.20
8q#112766_112787	8	70506883-70673086	166204	SULF1	0.385787372	0.134951498	0.08	0.20
8q#112747_112765	8	70062624-70474461	411838	AK055514, BC039348	0.385787372	0.134951498	0.08	0.20
8q#112788_112798	8	70679590-70768243	88654	SULF1, SLC05A1	0.385787372	0.134951498	0.08	0.20
8q#112085_112095	8	62130039-62262289	132251		0.385787372	0.134951498	0.08	0.20
8q#112070_112084	8	61898964-62102422	203459	CHD7	0.385787372	0.134951498	0.08	0.20
11q#145157_145158	11	68513562-68520214	6653		0.385787372	0.134951498	0.08	0.20
8q#111674_111675	8	56293534-56299596	6063	XKR4	0.385787372	0.134951498	0.08	0.20
8q#111662_111673	8	56179058-56286841	107784	XKR4	0.385787372	0.134951498	0.08	0.20
11q#145160_145162	11	68533317-68555958	22642	MARGPRF, BC039516	0.385787372	0.134951498	0.08	0.20
15q#177993_177998	15	19860116-19882770	22655	AY941978	Inf	0.141893413	0.07	0.00
15q#177990_177991	15	19819961-19833601	13641	AY941978	Inf	0.141893413	0.07	0.00
15q#177953_177955	15	18864582-18884495	19914	LOC283755	Inf	0.141893413	0.07	0.00
15q#178000_178001	15	19910867-19927311	16445	AY941978	Inf	0.141893413	0.07	0.00
15q#177987_177988	15	19537035-19786714	249680	AB066967, AY941978	Inf	0.141893413	0.07	0.00
15q#177985_177986	15	19435500-19465418	29919	AB066967	Inf	0.141893413	0.07	0.00
1q#14138_14173	1	180515497-180902984	387488	RGL1, GLT25D2, C1orf19	Inf	0.141893413	0.07	0.00
11q#144780_144796	11	65512162-65583078	70917	1102, BANF1, CST6, CATSPER1, AK090761, GAL3ST3,	Inf	0.141893413	0.07	0.00
14q#169705_169708	14	19402284-19420791	18508	BC020999, OR4K2	Inf	0.141893413	0.07	0.00
14q#169701_169704	14	19362145-19397768	35624	BC020999	Inf	0.141893413	0.07	0.00
14q#169686_169689	14	18864561-19216417	351857	BC020999	Inf	0.141893413	0.07	0.00
14q#169709_169712	14	19433191-19456335	23145	BC020999	Inf	0.141893413	0.07	0.00
14q#169713_169714	14	19459171-19462030	2860	OR4K5, BC020999	Inf	0.141893413	0.07	0.00
14q#169715_169718	14	19467512-19484072	16561	BC020999, OR4K1	Inf	0.141893413	0.07	0.00
14q#169680_169685	14	18149473-18642311	492839	POTE14	Inf	0.141893413	0.07	0.00
14q#169691_169700	14	19273289-19350289	77001	BC020999	Inf	0.141893413	0.07	0.00
8p#110468_110475	8	36859035-36912314	53280	BC028701, FKSG2	0.316261426	0.154612789	0.05	0.15
17q#198376_198404	17	55197142-55388366	191225	TMEM49, TUBD1, RPS6KB1, LOC51136	0.316261426	0.154612789	0.05	0.15
11q#145899_145905	11	75609104-75736478	127375		0.316261426	0.154612789	0.05	0.15
11q#145976_145978	11	76444567-76462778	18212	CAPN5	0.316261426	0.154612789	0.05	0.15
11q#145906_145908	11	75744308-75755084	10777	PRKRIR	0.316261426	0.154612789	0.05	0.15
11q#146204_146209	11	78598731-78732765	134035	AF009227	0.316261426	0.154612789	0.05	0.15
11q#145601_145602	11	73056101-73063044	6944		0.162293368	0.155812198	0.02	0.10
11q#145498_145505	11	72128981-72187554	58574	AB209473, STARD10	0.162293368	0.155812198	0.02	0.10
11q#145586_145592	11	72927117-72984404	57288	D87470	0.162293368	0.155812198	0.02	0.10
11q#145593_145600	11	72990527-73051012	60486	PLEKHB1	0.162293368	0.155812198	0.02	0.10
11q#145603_145605	11	73068323-73084752	16430	RAB6A	0.162293368	0.155812198	0.02	0.10
11q#145512_145521	11	72233710-72310640	76931	FCHSD2	0.162293368	0.155812198	0.02	0.10
11q#145765_145774	11	74563431-74656697	93267	SLCO2B1, ARRB1	0.162293368	0.155812198	0.02	0.10
11q#145385_145386	11	70945811-70954964	9154	KRTAP5-10	0.162293368	0.155812198	0.02	0.10
11q#145383_145384	11	70937887-70940843	2957	KRTAP5-9	0.162293368	0.155812198	0.02	0.10
11q#145546_145554	11	72559987-72643043	83057	P2RY2, BX641058	0.162293368	0.155812198	0.02	0.10
11q#145583_145585	11	72906498-72919903	13406	D87470	0.162293368	0.155812198	0.02	0.10
11q#145555_145564	11	72650860-72729878	79019	P2RY6, ARHGEF17	0.162293368	0.155812198	0.02	0.10

17q#198303_198336	17	54473493-54705077	231585	TRIM37, FAM33A, PRR11, AK001891, C17orf71, GDDP1	0.162293368	0.155812198	0.02	0.10
11q#145536_145545	11	72444744-72547688	102945	FCHSD2	0.162293368	0.155812198	0.02	0.10
8p#111042_111051	8	43069739-43143851	74113	FLJ23356, AF338195	0.162293368	0.155812198	0.02	0.10
17q#198292_198302	17	54367713-54464198	96486	PPM1E, TRIM37	0.162293368	0.155812198	0.02	0.10
11q#145565_145566	11	72744231-72757753	13523	ARHGEF17	0.162293368	0.155812198	0.02	0.10
11q#145567_145581	11	72766437-72885763	119327	TNFRSF19L, D87470	0.162293368	0.155812198	0.02	0.10
17q#199185_199193	17	63719627-63774096	54470	AMZ2, AY358380	0.162293368	0.155812198	0.02	0.10
17q#199810_199817	17	71241737-71283327	41591	ITGB4, GALK1	0.162293368	0.155812198	0.02	0.10
20q#216791_216799	20	50193263-50295580	102318	ZFP64	0.162293368	0.155812198	0.02	0.10
8p#111035_111040	8	43017901-43051302	33402	AF338195, FN1A	0.162293368	0.155812198	0.02	0.10
8p#111052_111057	8	43155815-43202333	46519	CR749838	0.162293368	0.155812198	0.02	0.10
17q#199194_199200	17	63780439-63829913	49475	SLC16A6, AY358380, ARSG	0.162293368	0.155812198	0.02	0.10
17q#199229_199235	17	64109807-64205908	96102	AL117652	0.162293368	0.155812198	0.02	0.10
8p#111060_111069	8	43254441-43353273	98833	POTE8	0.162293368	0.155812198	0.02	0.10
8p#111058_111059	8	43229651-43245732	16082		0.162293368	0.155812198	0.02	0.10
20q#216825_216835	20	50962989-51085814	122826	TSHZ2	0.162293368	0.155812198	0.02	0.10
20q#216800_216803	20	50316928-50409506	92579		0.162293368	0.155812198	0.02	0.10
8p#110435_110446	8	36213800-36448955	235156		0.162293368	0.155812198	0.02	0.10
17q#199997_2e+05	17	72885023-72909755	24733	Sep-09	0.162293368	0.155812198	0.02	0.10
17q#199992_199996	17	72827808-72879595	51788	Sep-09	0.162293368	0.155812198	0.02	0.10
11q#145065_145073	11	67680190-67777143	96954	SUV420H1	0.162293368	0.155812198	0.02	0.10
11q#145063_145064	11	67658535-67668668	10134		0.162293368	0.155812198	0.02	0.10
11q#145041_145042	11	67399793-67414817	15025	AK091996	0.162293368	0.155812198	0.02	0.10
11q#145074_145079	11	67786891-67819156	32266	C11orf24	0.162293368	0.155812198	0.02	0.10
11q#145087_145092	11	67903640-67933531	29892	LRP5	0.162293368	0.155812198	0.02	0.10
11q#145080_145086	11	67826000-67890010	64011	LRP5	0.162293368	0.155812198	0.02	0.10
11q#145093_145103	11	67941109-68028927	87819	LRP5, SAPS3	0.162293368	0.155812198	0.02	0.10
11q#146235_146238	11	79702101-79810665	108565		0.162293368	0.155812198	0.02	0.10
11q#146233_146234	11	79627135-79670419	43285		0.162293368	0.155812198	0.02	0.10
11q#146468_146469	11	83474457-83490171	15715	DLG2	0.162293368	0.155812198	0.02	0.10
17q#199402_199404	17	67056332-67099873	43542		0	0.165656566	0.00	0.05
17q#199389_199391	17	66634964-66662657	27694	BC039327	0	0.165656566	0.00	0.05
17q#199382_199384	17	66421144-66477362	56219		0	0.165656566	0.00	0.05
17q#199385_199388	17	66493468-66619160	125693	BC039327	0	0.165656566	0.00	0.05
11q#145633_145637	11	73323918-73358348	34431	DNAJB13	0	0.165656566	0.00	0.05
11q#145716_145717	11	74070265-74080363	10099		0	0.165656566	0.00	0.05
11q#145692_145715	11	73824406-74060682	236277	KCNE3, POLD3	0	0.165656566	0.00	0.05
11q#145679_145683	11	73687771-73731321	43551	P4HA3, BC039366, PGM2L1	0	0.165656566	0.00	0.05
7q#103985_104056	7	122065264-122917363	852100	C13A1, BC036121, FLJ35834, CR933664, NDUFA5, AS	0	0.165656566	0.00	0.05
11q#145674_145677	11	73642970-73667847	24878	PPME1, P4HA3	0	0.165656566	0.00	0.05
11q#145669_145673	11	73611054-73635809	24756	PPME1	0	0.165656566	0.00	0.05
11q#145690_145691	11	73803134-73817344	14211		0	0.165656566	0.00	0.05
11q#145684_145687	11	73740065-73769592	29528	PGM2L1	0	0.165656566	0.00	0.05
20q#216959_216961	20	52550079-52577183	27105	DOK5	0	0.165656566	0.00	0.05
11q#145718_145720	11	74087184-74109385	22202	CHRD2	0	0.165656566	0.00	0.05
18q#205060_205110	18	56967277-57840691	873415	CDH20, AK094366, AK054836, AK096495, RNF152	0	0.165656566	0.00	0.05
18q#205126_205140	18	57993059-58109797	116739	PIGN, AK091160, KIAA1468	0	0.165656566	0.00	0.05
17q#200087_200100	17	73905851-73993807	87957	PGS1, DNAH17, BC034158	0	0.165656566	0.00	0.05
17q#199935_199964	17	72121536-72393836	272301	MXRA7, AB011157, PTDSR, CR599912, SFRS2, ET, AK0	0	0.165656566	0.00	0.05
17q#200102_200104	17	74023782-74051461	27680	BC034158, DNAHL1	0	0.165656566	0.00	0.05
11q#145688_145689	11	73782850-73789431	6582	PGM2L1	0	0.165656566	0.00	0.05
8p#110326_110327	8	34299546-34312094	12549		0	0.165656566	0.00	0.05
8p#110194_110218	8	32471583-32690233	218651	NRG1	0	0.165656566	0.00	0.05
8p#110233_110243	8	32928099-33103391	175293	BC034319	0	0.165656566	0.00	0.05
18q#205313_205360	18	59753335-60317878	564544	SERPINB10, SERPINB8, C18orf20, BC036306	0	0.165656566	0.00	0.05

17q#199911_199934	17	71971517-72113347	141831	92430, AANAT, RHDF2, CYGB, AK125617, ST6GALN	0	0.165656566	0.00	0.05
6q#90988_91033	6	131958837-132430553	471717	CRSP3, ENPP3, ENPP1, CTGF, AY927639	0	0.165656566	0.00	0.05
14q#172861_172896	14	55460670-55888987	428318	PEL12	0	0.165656566	0.00	0.05
14q#172582_172603	14	52571960-52788270	216311	DDHD1, AK096400	0	0.165656566	0.00	0.05
8p#110167_110178	8	32240870-32340225	99356	NRG1	0	0.165656566	0.00	0.05
18q#205246_205300	18	59218766-59648333	429568	RPINB12, SERPINB13, SERPINB4, U19557, SERPINB3,	0	0.165656566	0.00	0.05
18q#204907_205014	18	55086713-56065523	978811	X, BC065562, CPLX4, LMAN1, CCBE1, BC019072, PMA	0	0.165656566	0.00	0.05
18q#205194_205210	18	58689055-58849292	160238	PHLPP	0	0.165656566	0.00	0.05
8p#110302_110306	8	33834120-33921065	86946		0	0.165656566	0.00	0.05
8p#110244_110245	8	33148505-33181859	33355		0	0.165656566	0.00	0.05
8p#110309_110311	8	33964205-33992248	28044		0	0.165656566	0.00	0.05
18q#205015_205054	18	56096496-56733145	636650	MC4R	0	0.165656566	0.00	0.05
18q#205211_205245	18	58873708-59209105	335398	BCL2, FVT1, VPS4B	0	0.165656566	0.00	0.05
18q#205301_205312	18	59664687-59746080	81394	SERPINB2, SERPINB10	0	0.165656566	0.00	0.05
8p#110299_110301	8	33746859-33806013	59155		0	0.165656566	0.00	0.05
8p#110307_110308	8	33936298-33949618	13321		0	0.165656566	0.00	0.05
18q#205055_205059	18	56783312-56910827	127516		0	0.165656566	0.00	0.05
20q#217508_217510	20	59721605-59737252	15648	CDH4	0	0.165656566	0.00	0.05
8p#110334_110346	8	34493633-34715128	221496		0	0.165656566	0.00	0.05
18q#205373_205377	18	60627321-60769213	141893		0	0.165656566	0.00	0.05
18q#205361_205372	18	60343270-60599828	256559		0	0.165656566	0.00	0.05
18q#205378_205431	18	60825367-62102784	1277418	CDH7	0	0.165656566	0.00	0.05
6q#86556_86563	6	68602261-68795899	193639		0	0.165656566	0.00	0.05
6q#86551_86554	6	68383776-68518420	134645		0	0.165656566	0.00	0.05
6q#92556_92565	6	151447006-151508877	61872	MTHFD1L	0	0.165656566	0.00	0.05
14q#172897_172963	14	55915554-56787250	871697	BC037850, C14orf101, OTX2, BC041486, EXOC5	0	0.165656566	0.00	0.05
8p#110390_110400	8	35536715-35622799	86085	UNC5D	0	0.165656566	0.00	0.05
8p#110407_110418	8	35694285-35817762	123478	UNC5D	0	0.165656566	0.00	0.05
8p#110388_110389	8	35520381-35526361	5981	AY358147, UNC5D	0	0.165656566	0.00	0.05
8p#110401_110406	8	35632573-35676199	43627	UNC5D	0	0.165656566	0.00	0.05
8p#110419_110426	8	35838871-35980618	141748		0	0.165656566	0.00	0.05
8p#110356_110366	8	34955423-35166896	211474		0	0.165656566	0.00	0.05
8p#110386_110387	8	35499408-35515125	15718	AY358147	0	0.165656566	0.00	0.05
8p#110368_110369	8	35227148-35246464	19317	AY358147	0	0.165656566	0.00	0.05
14q#172964_172983	14	56799264-56965699	166436	EXOC5, C14orf108, BX648929, NAT12	0	0.165656566	0.00	0.05
6q#89656_89659	6	113987577-114075140	87564		0	0.165656566	0.00	0.05
6q#89689_89726	6	114450348-115119838	669491		0	0.165656566	0.00	0.05
6q#89738_89742	6	115808160-115960675	152516	BC042098, HS3ST5	0	0.165656566	0.00	0.05
6q#88997_89010	6	105962270-106294551	332282		0	0.165656566	0.00	0.05
6q#89743_89747	6	116030317-116201303	170987		0	0.165656566	0.00	0.05
6q#89804_89821	6	116804816-116953994	149179	SART2, LOC441168, AK002042, C6orf188	0	0.165656566	0.00	0.05
14q#173046_173050	14	57576219-57609829	33611	C14orf37	0	0.165656566	0.00	0.05
14q#172984_172993	14	56980833-57044324	63492	C14orf105	0	0.165656566	0.00	0.05
14q#173051_173061	14	57622979-57711240	88262	C14orf37	0	0.165656566	0.00	0.05
14q#172994_173021	14	57056430-57292494	236065		0	0.165656566	0.00	0.05
6q#86564_86577	6	68842844-69133108	290265	BC031312	0	0.165656566	0.00	0.05
18q#202442_202521	18	22544280-23552457	1008178	AQP4, C18orf16, CHST9, BC043377, AK127888	0	0.165656566	0.00	0.05
6q#89293_89348	6	109667383-110089068	421686	164, PPII6, SMPD2, MICAL1, ZBTB24, FLJ25791, FLJ4,	0	0.165656566	0.00	0.05
6q#89130_89154	6	107887258-108134382	247125	PDSS2, FLJ10159, AK093571	0	0.165656566	0.00	0.05
6q#90550_90588	6	126803137-127362368	59232	AL832235, AK127472	0	0.165656566	0.00	0.05
6q#90047_90111	6	119499582-120851930	1352349	BX538186, MAN1A1, AK097101	0	0.165656566	0.00	0.05
5p#70555_70559	5	44542173-44675076	132904		0	0.165656566	0.00	0.05
6q#88889_88920	6	104155189-104967237	812049		0	0.165656566	0.00	0.05
6q#89023_89038	6	106650236-106791323	141088	PRDM1, ATG5	0	0.165656566	0.00	0.05
6q#89648_89655	6	113720536-113957692	237157		0	0.165656566	0.00	0.05

6q#88870	88880	6	103401321-103810670	409350			0	0.165656566	0.00	0.05
6q#88921	88922	6	104996149-105056537	60389			0	0.165656566	0.00	0.05
6q#88946	88996	6	105444080-105952440	508361	LIN28B, BVES, AL137368, POPDC3, PREP		0	0.165656566	0.00	0.05
6q#89011	89022	6	106320563-106645949	325387	PRDM1		0	0.165656566	0.00	0.05
18q#202358	202440	18	21837169-22492676	655508	SS18, PSMA8, AY888048, KC1D1		0	0.165656566	0.00	0.05
11q#146271	146272	11	80976809-81018972	42164			0	0.165656566	0.00	0.05
11q#146510	146514	11	83866493-83900896	34404	DLG2		0	0.165656566	0.00	0.05
11q#146291	146294	11	81469909-81502079	32171	BC041900		0	0.165656566	0.00	0.05
11q#146295	146299	11	81515157-81564378	49222	BC041900		0	0.165656566	0.00	0.05
5p#70560	70564	5	44702946-44799315	96370			0	0.165656566	0.00	0.05
6q#89039	89054	6	106802724-106992409	189686	ATG5, AK125137		0	0.165656566	0.00	0.05
6q#89055	89129	6	107004805-107873237	868433	AIM1, RTN4IP1, QRSL1, AJ420564, AK025967, C6orf2		0	0.165656566	0.00	0.05
6q#88923	88945	6	105085620-105423847	338228	HACE1		0	0.165656566	0.00	0.05
6q#89562	89587	6	112243219-112523927	280709	FYN, WISP3, TUBE1, LOC619208		0	0.165656566	0.00	0.05
11q#147369	147390	11	94557205-95142024	584820	SESN3, FAM76B		0	0.165656566	0.00	0.05
11q#146288	146290	11	81410435-81446243	35809	BC041900		0	0.165656566	0.00	0.05
11q#147391	147481	11	95146810-96005776	858967	CEP57, MTMR2, MAML2, CCDC82, JRKL, BC031306, E		0	0.165656566	0.00	0.05
11q#146516	146558	11	83917249-84268654	351406	DLG2		0	0.165656566	0.00	0.05
6q#90189	90220	6	122622439-122972641	350203	HSF2, SERINC1, PKIB		0	0.165656566	0.00	0.05
11q#146300	146302	11	81579737-81599234	19498	BC041900		0	0.165656566	0.00	0.05
5p#69917	69928	5	36351212-36654505	303294	SLC1A3		0	0.165656566	0.00	0.05
5p#69929	69932	5	36663960-36691596	27637	SLC1A3		0	0.165656566	0.00	0.05
17p#194649	194654	17	17104943-17155849	50907	COPS3, NT5M		0	0.165656566	0.00	0.05
17p#194632	194648	17	16994115-17099025	104911	M-RIP, AK021594, LOC201164, FLCN, COPS3		0	0.165656566	0.00	0.05
17p#194609	194631	17	16752847-16981224	228378	AK024458, TNFRSF13B, M-RIP		0	0.165656566	0.00	0.05
11q#145183	145186	11	68842430-68894968	52539			0.489919154	0.19241348	0.14	0.24
11q#145189	145191	11	68972488-69008917	36430	AK000473		0.49454018	0.204748984	0.15	0.27
8q#112635	112639	8	68837982-68929534	91553			0.453470116	0.222439439	0.08	0.17
8q#112690	112696	8	69480728-69533450	52723	BC041961, C8orf34		0.453470116	0.222439439	0.08	0.17
8q#111856	111886	8	58815947-59238758	422812	T1560, C8orf72		0.453470116	0.222439439	0.08	0.17
8q#111938	111978	8	59893563-60222591	329029	TOX		0.453470116	0.222439439	0.08	0.17
8q#112002	112007	8	60971208-61134103	162896			0.453470116	0.222439439	0.08	0.17
8q#112028	112051	8	61447156-61734294	287139	RAB2, CR605346		0.453470116	0.222439439	0.08	0.17
8q#112247	112303	8	63986091-64717079	730989	FAM77D, GGH, TTPA, YTHDF3, AK172857, AK093370		0.453470116	0.222439439	0.08	0.17
8q#112052	112069	8	61745496-61891565	146070	CHD7		0.453470116	0.222439439	0.08	0.17
8q#112160	112246	8	63098816-63979627	880812	FAM77D		0.453470116	0.222439439	0.08	0.17
8q#111849	111855	8	58651500-58794636	143137			0.453470116	0.222439439	0.08	0.17
8q#111887	111890	8	59246576-59333344	86769	BC032030		0.453470116	0.222439439	0.08	0.17
8q#111277	111282	8	50798054-50871732	73679			0.453470116	0.222439439	0.08	0.17
8q#111270	111276	8	50578403-50776429	198027			0.453470116	0.222439439	0.08	0.17
8q#111643	111659	8	55736642-56132692	396051	AK098176		0.453470116	0.222439439	0.08	0.17
8q#111831	111848	8	58268169-58630484	362316	CR749704, AL080200, BC039330		0.453470116	0.222439439	0.08	0.17
8q#111636	111642	8	55683873-55729638	45766	AK098176, RP1		0.453470116	0.222439439	0.08	0.17
8q#111283	111293	8	50929121-51045294	116174	SNTG1		0.453470116	0.222439439	0.08	0.17
8q#111324	111341	8	51311239-51484953	173715	SNTG1		0.453470116	0.222439439	0.08	0.17
8q#111294	111297	8	51056175-51084619	28445	SNTG1		0.453470116	0.222439439	0.08	0.17
8q#111660	111661	8	56153684-56166255	12572			0.453470116	0.222439439	0.08	0.17
8q#111515	111555	8	53971447-54620672	649226	BC033145, OPRK1		0.453470116	0.222439439	0.08	0.17
11q#145163	145164	11	68568578-68575349	6772	TPCN2		0.453470116	0.222439439	0.08	0.17
11q#145775	145777	11	74664596-74681977	17382	ARRB1		0.328304985	0.2240181	0.03	0.10
11q#145778	145782	11	74687951-74709469	21519	ARRB1		0.328304985	0.2240181	0.03	0.10
17q#198337	198354	17	54717870-54991615	273746	YPEL2		0.328304985	0.2240181	0.03	0.10
17q#199097	199114	17	62637579-62820126	182548	HELZ, PSMD12, PITPNC1		0.328304985	0.2240181	0.03	0.10
17q#198861	198869	17	59947990-60025359	77370	CCDC45, SMURF2		0.328304985	0.2240181	0.03	0.10
17q#198515	198533	17	56550904-56697967	147064	BCAS3		0.328304985	0.2240181	0.03	0.10

8p#111012_111018	8	42809641-42849186	39546	THAP1, BC032393, RNF170	0.328304985	0.2240181	0.03	0.10
8p#111022_111026	8	42899872-42940819	40948	HOOK3	0.328304985	0.2240181	0.03	0.10
8p#111027_111034	8	42947603-43008531	60929	HOOK3, AF338195	0.328304985	0.2240181	0.03	0.10
17q#198356_198357	17	55018353-55035253	16901	DHX40	0.328304985	0.2240181	0.03	0.10
17q#199115_199124	17	62826330-62909231	82902	PITPNC1	0.328304985	0.2240181	0.03	0.10
17q#199765_199809	17	70874675-71233434	358760	95, CASKIN2, TSEN54, LGLL2, AF418286, RECQL5, SA	0.328304985	0.2240181	0.03	0.10
17q#199980_199982	17	72684954-72708727	23774	SEC14L1	0.328304985	0.2240181	0.03	0.10
11q#144999_145005	11	66985541-67015870	30330	TMEM134, AIP, PITPNM1	0.328304985	0.2240181	0.03	0.10
17q#199984_199986	17	72734511-72756314	21804		0.328304985	0.2240181	0.03	0.10
17q#199987_199988	17	72770159-72788231	18073	AF189712	0.328304985	0.2240181	0.03	0.10
17q#199989_199991	17	72799476-72815416	15941	AF189712	0.328304985	0.2240181	0.03	0.10
11q#145034_145038	11	67199932-67267842	67911	ALDH3B2, BX647252	0.328304985	0.2240181	0.03	0.10
11q#145039_145040	11	67316044-67330978	14935	CR602694	0.328304985	0.2240181	0.03	0.10
11q#145109_145113	11	68093207-68125955	32749	SAPS3	0.328304985	0.2240181	0.03	0.10
11q#145104_145108	11	68043550-68078233	34684	SAPS3	0.328304985	0.2240181	0.03	0.10
11q#146156_146158	11	78109852-78127207	17356	AB037723	0.328304985	0.2240181	0.03	0.10
11q#146224_146227	11	79297187-79424735	127549		0.328304985	0.2240181	0.03	0.10
11q#146230_146232	11	79528774-79590983	62210		0.328304985	0.2240181	0.03	0.10
11q#146228_146229	11	79470314-79496288	25975		0.328304985	0.2240181	0.03	0.10
1q#15563_15653	1	200792135-201645004	852870	DLT1A, PLEKHA6, PPP1R15B, PIK3C2B, MDM4, CR749	0.328304985	0.2240181	0.03	0.10
1q#15654_15760	1	201654529-202485667	831139	748, AK090497, LEMD1, AK026628, AK095633, PCTK3	0.328304985	0.2240181	0.03	0.10
1q#15761_15800	1	202489972-202874349	384378	SLC41A1, FLJ32569, SLC26A9, C1orf186, CTSE	0.328304985	0.2240181	0.03	0.10
11q#145312_145313	11	70230497-70248364	17868	DQ152234	0.470677477	0.243676351	0.10	0.20
11q#145315_145316	11	70278677-70287720	9044	DQ152234	0.470677477	0.243676351	0.10	0.20
16p#186745_186753	16	5024702-5067292	42591	AK055222, MGC45438, BC031873, ALG1	Inf	0.266969697	0.05	0.00
15q#178012_178013	15	20060061-20079994	19934		Inf	0.266969697	0.05	0.00
16p#186718_186744	16	4812901-5020511	207611	N-PAC, UBN1, PPL, AB007880, NAGPA	Inf	0.266969697	0.05	0.00
16p#186528_186569	16	3338698-3646301	307604	4, ZNF597, AL833594, FLJ14154, CLUAP1, NOD3, BTB4	Inf	0.266969697	0.05	0.00
16p#186601_186619	16	3911187-4074810	163624	ADCY9	Inf	0.266969697	0.05	0.00
16p#186570_186600	16	3651283-3903139	251857	TRAP1, CREBBP	Inf	0.266969697	0.05	0.00
16p#186754_186769	16	5132553-5422466	289914	BC108660	Inf	0.266969697	0.05	0.00
16p#186770_186784	16	5466877-5771851	304975	BC108660	Inf	0.266969697	0.05	0.00
15q#178008_178009	15	19982333-19988363	6031		Inf	0.266969697	0.05	0.00
16p#186785_186788	16	5791437-5856947	65511		Inf	0.266969697	0.05	0.00
16p#187288_187292	16	11574595-11627481	52887	LITAF	Inf	0.266969697	0.05	0.00
16p#187330_187336	16	11979550-12030609	51060	RUNDC2A	Inf	0.266969697	0.05	0.00
1q#14600_14608	1	187958899-188274684	315786		Inf	0.266969697	0.05	0.00
15q#178003_178004	15	19943194-19952254	9061	AY941978	Inf	0.266969697	0.05	0.00
16p#186938_186988	16	7235861-7688734	452874	A2BP1	Inf	0.266969697	0.05	0.00
16p#186989_187005	16	7700974-8231284	530311	A2BP1	Inf	0.266969697	0.05	0.00
16p#187048_187052	16	8847684-8870903	23220	PMM2, CARHSP1, BC108283	Inf	0.266969697	0.05	0.00
16p#187337_187440	16	12051520-13407716	1356197	RUNDC2A, AK074072, FLJ11151, CR627300	Inf	0.266969697	0.05	0.00
16p#186794_186865	16	5957777-6581837	624061	A2BP1	Inf	0.266969697	0.05	0.00
16p#186790_186793	16	5901278-5931728	30451		Inf	0.266969697	0.05	0.00
16p#187293_187297	16	11653077-11678358	25282	SNN	Inf	0.266969697	0.05	0.00
1q#14461_14474	1	184780831-185250610	469780		Inf	0.266969697	0.05	0.00
1q#14475_14534	1	185306100-186832088	1525989	FAM5C	Inf	0.266969697	0.05	0.00
15q#178005_178007	15	19963175-19976330	13156	AY941978	Inf	0.266969697	0.05	0.00
16p#187006_187009	16	8263539-8334951	71413		Inf	0.266969697	0.05	0.00
16p#187298_187316	16	11681873-11846489	164617	DC11, AK025430, ZC3H7A, BC046363, CR606007, RSL	Inf	0.266969697	0.05	0.00
16p#187013_187047	16	8440386-8833406	393021	C16orf68, AK092846, L32961, ABAT, C16orf51, PMM2	Inf	0.266969697	0.05	0.00
16p#186315_186334	16	1942266-2021477	79212	RPS2, RNF151, TBL3, BC033227, GFER, SYNGR3, ZNF	Inf	0.266969697	0.05	0.00
16p#186335_186354	16	2028439-2168036	139598	SLC9A3R2, NTHL1, TSC2, PKD1, RAB26, TRAF7	Inf	0.266969697	0.05	0.00
1q#14020_14129	1	179342655-180417059	1074405	HX9, C1orf14, LAMC1, LAMC2, NMNAT2, BC032873, SNA	Inf	0.266969697	0.05	0.00
1q#14130_14137	1	180431766-180507259	75494	RGL1	Inf	0.266969697	0.05	0.00

16p#186243	186245	16	1468171-1475715	7545					Inf	0.266969697	0.05	0.00
16p#186234	186242	16	1409935-1463794	53860		LOC283951, CLCN7			Inf	0.266969697	0.05	0.00
16p#186226	186233	16	1370178-1406079	35902		AF175522, UNKL			Inf	0.266969697	0.05	0.00
1q#17151_17216		1	221098708-221883005	784298		CNIH3, BC042869, CR936804			Inf	0.266969697	0.05	0.00
1q#16996_17041		1	217395427-218500357	1104931		HLX1, DUSP10			Inf	0.266969697	0.05	0.00
1q#17077_17135		1	220228115-220900376	672262		228, AB007952, CR602386, DEGS1, CR623303, BC0080			Inf	0.266969697	0.05	0.00
1q#17429_17461		1	223924596-224219309	294714		BC039356, ZNF678, BC007286			Inf	0.266969697	0.05	0.00
15q#177971_177982		15	19291749-19407644	115896		AB066967, POTE15			Inf	0.266969697	0.05	0.00
1q#17136_17150		1	220905910-221078810	172901		WDR26, CR625980			Inf	0.266969697	0.05	0.00
1q#17217_17218		1	221896564-221907939	11376		LBR			Inf	0.266969697	0.05	0.00
1q#17407_17428		1	223730742-223917056	186315		CDC42BPA, BC039356			Inf	0.266969697	0.05	0.00
1q#16972_16995		1	217165775-217381982	216208		MARK1, C1orf115, MOSC2, BC010366, MOSC1			Inf	0.266969697	0.05	0.00
1q#17042_17076		1	218525816-220222131	1696316		23608, C1orf80, FLJ43505, DISP1, SUSD4, C1orf65, CA			Inf	0.266969697	0.05	0.00
15q#177956_177970		15	19109124-19281933	172810		AB066967			Inf	0.266969697	0.05	0.00
11q#144806_144807		11	65669021-65684281	15261		PACS1			Inf	0.266969697	0.05	0.00
11q#144808_144813		11	65700403-65749007	48605		PACS1			Inf	0.266969697	0.05	0.00
11q#144814_144836		11	65762712-65873560	110849		2, RAB1B, CNIH2, Y1F1A, TMEI151, CD248, RIN1, BRN			Inf	0.266969697	0.05	0.00
15q#177983_177984		15	19418600-19427409	8810		AB066967			Inf	0.266969697	0.05	0.00
1q#11189_11208		1	150912847-151050497	137651		NUP210L, AK128000, TPM3, C1orf43, D63478, UBAP2L			Inf	0.266969697	0.05	0.00
1q#17219_17406		1	221909704-223720801	1811098		Y2, C1orf55, H3F3A, ACBD3, BC033346, MIXL1, LIN9, F			Inf	0.266969697	0.05	0.00
1q#17576_17590		1	225186793-225465450	278658		RHO, AL832503			Inf	0.266969697	0.05	0.00
1q#17591_18025		1	225519102-230718004	5198903		458, FAM89A, TRIM67, C1orf131, GNPAT, EXOC8, C1o			Inf	0.266969697	0.05	0.00
1q#19318_19319		1	245009770-245014702	4933					Inf	0.266969697	0.05	0.00
1q#17567_17572		1	225112915-225169622	56708					Inf	0.266969697	0.05	0.00
1q#17573_17574		1	225174410-225179328	4919		RHO			Inf	0.266969697	0.05	0.00
1q#19311_19317		1	244936269-244972834	36566		OR2T2			Inf	0.266969697	0.05	0.00
11q#144798_144805		11	65597430-65658894	61465		PACS1			Inf	0.266969697	0.05	0.00
1q#11345_11350		1	151998352-152014736	16385		BC000349, AK056250			Inf	0.266969697	0.05	0.00
1q#18026_18050		1	230730234-230930976	200743		SLC35F3, C1orf31, CR602593, TARBP1			Inf	0.266969697	0.05	0.00
17q#198360_198364		17	55063370-55098988	35619		CLTC			0.38951731	0.266981799	0.05	0.12
17q#198373_198375		17	55170958-55188899	17942		TMEM49			0.38951731	0.266981799	0.05	0.12
17q#198405_198406		17	55395410-55399182	3773		LOC51136, BC029885			0.38951731	0.266981799	0.05	0.12
17q#198430_198455		17	55687335-55926771	239437		USP32, C1orf64, AK090983, APPBP2			0.38951731	0.266981799	0.05	0.12
17q#198466_198487		17	56056516-56269345	212830		PPM1D, BCAS3			0.38951731	0.266981799	0.05	0.12
17q#198407_198416		17	55470922-55561077	90156		ABC1, AF086204			0.38951731	0.266981799	0.05	0.12
17q#198456_198465		17	55937097-56044119	107023		APPBP2, AK131012, PPM1D			0.38951731	0.266981799	0.05	0.12
17q#198417_198429		17	55566824-55677404	110581		CA4, USP32			0.38951731	0.266981799	0.05	0.12
11q#144963_144964		11	66798759-66804669	5911		ADRBK1			0.38951731	0.266981799	0.05	0.12
11q#145894_145898		11	75587318-75599956	12639		WNT11			0.38951731	0.266981799	0.05	0.12
11q#146212_146220		11	78859178-79135023	275846					0.38951731	0.266981799	0.05	0.12
11q#145177_145182		11	68804860-68834356	29497		MYEOV, AK000473			0.561086816	0.291670815	0.14	0.22
11q#145507_145509		11	72201249-72214237	12989		ATG16L2			0.221667176	0.302287168	0.02	0.07
11q#145510_145511		11	72218278-72227085	8808		ATG16L2, FCHSD2			0.221667176	0.302287168	0.02	0.07
11q#145387_145388		11	70961186-70964483	3298					0.221667176	0.302287168	0.02	0.07
17q#198573_198584		17	57142673-57248536	105864		BRIP1			0.221667176	0.302287168	0.02	0.07
17q#197713_197715		17	46280230-46296315	16086		TOB1			0.221667176	0.302287168	0.02	0.07
17q#197716_197717		17	46303822-46308493	4672					0.221667176	0.302287168	0.02	0.07
17q#198555_198561		17	56893435-56966361	72927		TBX4			0.221667176	0.302287168	0.02	0.07
17q#197718_197719		17	46315250-46329740	14491					0.221667176	0.302287168	0.02	0.07
17q#197579_197583		17	45278938-45318400	39463		TAC4			0.221667176	0.302287168	0.02	0.07
17q#197836_197839		17	47703816-47823452	119637					0.221667176	0.302287168	0.02	0.07
11q#145466_145469		11	71844216-71937634	93419					0.221667176	0.302287168	0.02	0.07
17q#197584_197610		17	45337121-45564110	226990		DLX4, DLX3, AK096761, ITGA3, PDK2, SAMD14			0.221667176	0.302287168	0.02	0.07
17q#197624_197626		17	45629769-45644247	14479		COL1A1			0.221667176	0.302287168	0.02	0.07
17q#197694_197695		17	46137552-46142387	4836		ANKRD40			0.221667176	0.302287168	0.02	0.07

17q#197611_197623	17	45567673-45624628	56956	PPP1R9B, SGCA, BC033456, Z74615, COL1A1	0.221667176	0.302287168	0.02	0.07
17q#197840_197841	17	47869349-47884858	15510		0.221667176	0.302287168	0.02	0.07
17q#198542_198544	17	56783601-56799591	15991	BCAS3	0.221667176	0.302287168	0.02	0.07
17q#198545_198554	17	56808969-56878984	70016	BCAS3, TBX2	0.221667176	0.302287168	0.02	0.07
17q#197702_197711	17	46196405-46267941	71537	C17orf73, WFIKKN2	0.221667176	0.302287168	0.02	0.07
17q#197830_197835	17	47576950-47664234	87285	CA10	0.221667176	0.302287168	0.02	0.07
20q#216745_216748	20	49615267-49649372	34106	ATP9A	0.221667176	0.302287168	0.02	0.07
17q#197696_197699	17	46148078-46176219	28142	CROP	0.221667176	0.302287168	0.02	0.07
17q#199303_199317	17	64994851-65126348	131498	MAP2K6, BC037328, BC068583	0.221667176	0.302287168	0.02	0.07
17q#197818_197820	17	47461114-47480544	19431	CA10	0.221667176	0.302287168	0.02	0.07
17q#197682_197693	17	46043118-46127392	84275	CACNA1G, AK000454, ABCC3, CR627413	0.221667176	0.302287168	0.02	0.07
17q#197821_197829	17	47494260-47566592	72333	CA10	0.221667176	0.302287168	0.02	0.07
17q#199623_199665	17	69977776-70250203	272428	B, CD300C, AY358148, C17orf77, AK097103, BX648376	0.221667176	0.302287168	0.02	0.07
20q#216749_216790	20	49657466-50184720	527255	ATP9A, SALL4, AK096285, AK222712, ZFP64	0.221667176	0.302287168	0.02	0.07
17q#198283_198289	17	54270077-54333338	63262	PPM1E	0.221667176	0.302287168	0.02	0.07
17q#199290_199302	17	64830300-64988656	158357	ABCA5, MAP2K6	0.221667176	0.302287168	0.02	0.07
17q#199201_199228	17	63836252-64100163	263912	ARSG, WPI1, PRKAR1A, CR626462, FAM20A	0.221667176	0.302287168	0.02	0.07
17q#199818_199820	17	71291475-71303862	12388	AK096931, BC046175, AB051540	0.221667176	0.302287168	0.02	0.07
17q#197670_197681	17	45962192-46028255	66064	CBPAP, EPN3, AK125807, SPATA20, BC041476, CACN	0.221667176	0.302287168	0.02	0.07
17q#197659_197669	17	45899383-45954732	55350	FLJ20920, RSAD1, MYCBPAP	0.221667176	0.302287168	0.02	0.07
17q#198277_198282	17	54212062-54264283	52222	PPM1E	0.221667176	0.302287168	0.02	0.07
17q#199821_199857	17	71316393-71540785	224393	47, AK123944, TRIM65, MRPL38, AK024058, AB058766	0.221667176	0.302287168	0.02	0.07
17q#197648_197658	17	45827278-45892943	65666	LRRCS9, FLJ20920	0.221667176	0.302287168	0.02	0.07
17q#199898_199908	17	71876932-71935447	58516	SPHK1, BC036820, UBE2O	0.221667176	0.302287168	0.02	0.07
20q#216804_216824	20	50437323-50931576	494254	BC045652	0.221667176	0.302287168	0.02	0.07
17q#200019_200022	17	73165986-73261860	95875		0.221667176	0.302287168	0.02	0.07
8p#110433_110434	8	36153626-36181038	27413		0.221667176	0.302287168	0.02	0.07
1q#16454_16492	1	209960599-210635511	674913	AK092251, U44060, PROX1	0.221667176	0.302287168	0.02	0.07
11q#146462_146467	11	83415984-83457659	41676	DLG2	0.221667176	0.302287168	0.02	0.07
11q#146443_146461	11	83241792-83409573	167782	DLG2	0.221667176	0.302287168	0.02	0.07
11q#146482_146490	11	83630296-83694235	63940	DLG2	0.221667176	0.302287168	0.02	0.07
8p#110476_110477	8	36941945-36973352	31408		0.428018853	0.309579117	0.07	0.15
8q#111093_111133	8	47993944-48573881	579938	D63480	0.428018853	0.309579117	0.07	0.15
8q#111076_111082	8	47062121-47718913	656793		0.428018853	0.309579117	0.07	0.15
11q#146075_146077	11	77391902-77404965	13064	KCTD14	0.428018853	0.309579117	0.07	0.15
8q#111087_111092	8	47857974-47981050	123077	AK097475	0.428018853	0.309579117	0.07	0.15
11q#146033_146034	11	77005356-77013633	8278	CLNS1A	0.428018853	0.309579117	0.07	0.15
11q#146049_146058	11	77135734-77231283	95550	HBXAP, C11orf67	0.428018853	0.309579117	0.07	0.15
11q#146059_146064	11	77236210-77275117	38908	C11orf67, BC016854, INTS4	0.428018853	0.309579117	0.07	0.15
8q#111264_111267	8	50369945-50469163	99219		0.428018853	0.309579117	0.07	0.15
11q#146035_146048	11	77018418-77129460	111043	CLNS1A, HBXAP	0.428018853	0.309579117	0.07	0.15
8q#111251_111263	8	50106229-50336962	230734	C8orf22	0.428018853	0.309579117	0.07	0.15
8q#111382_111383	8	51919678-51970743	51066		0.428018853	0.309579117	0.07	0.15
11q#145979_145981	11	76470060-76479821	9762	CAPN5	0.428018853	0.309579117	0.07	0.15
11q#146065_146074	11	77295422-77379834	84413	INTS4	0.543551099	0.350755085	0.08	0.15
8q#111342_111349	8	51491849-51557693	65845	SNTG1	0.543551099	0.350755085	0.08	0.15
8q#111368_111377	8	51753324-51850433	97110	SNTG1	0.543551099	0.350755085	0.08	0.15
8q#111618_111634	8	55489555-55663906	174352	SOX17, AK098176	0.543551099	0.350755085	0.08	0.15
8q#111378_111380	8	51866050-51878236	12187	SNTG1, AL161971	0.543551099	0.350755085	0.08	0.15
8q#111303_111323	8	51146956-51296042	149087	SNTG1	0.553252015	0.371604285	0.10	0.17
8q#111298_111302	8	51095234-51141003	45770	SNTG1	0.553252015	0.371604285	0.10	0.17
11q#145308_145311	11	70182708-70212681	29974	SHANK2, DQ152234	0.558651729	0.394341348	0.12	0.20
1q#19324_19329	1	245082256-245118297	36042	OR2T10	3.663701487	0.396210049	0.08	0.02
17q#198538_198541	17	56752850-56776618	23769	BCAS3	0.448156585	0.398073598	0.03	0.07
17q#198535_198537	17	56730021-56745295	15275	BCAS3	0.448156585	0.398073598	0.03	0.07

20q#217439_217448	20	58971383-59105025	133643			0.448156585	0.398073598	0.03	0.07
17q#199069_199096	17	62410244-62627770	217527	CACNG4, CACNG1, HELZ		0.448156585	0.398073598	0.03	0.07
17q#198877_198880	17	60108569-60175042	66474	BC016458		0.448156585	0.398073598	0.03	0.07
17q#198853_198860	17	59900205-59940933	40729	POLG2, DDX5, CCDC45		0.448156585	0.398073598	0.03	0.07
17q#198870_198876	17	60032772-60085406	52635	SMURF2		0.448156585	0.398073598	0.03	0.07
8p#111019_111020	8	42866053-42874663	8611	RNF170, HOOK3		0.448156585	0.398073598	0.03	0.07
17q#199715_199739	17	70548672-70676285	127614	ATP5H, KCTD2, SLC16A5, ARMC7, NT5C, HN1, SUMO4		0.448156585	0.398073598	0.03	0.07
17q#199698_199714	17	70454103-70546589	92487	OTOP3, C17orf28, CDR2L, ICT1, ATP5H		0.448156585	0.398073598	0.03	0.07
17q#199666_199677	17	70251769-70320225	68457	RAB37, SLC9A3R1, NAT9, TMEM104		0.448156585	0.398073598	0.03	0.07
17q#197812_197817	17	47403266-47451791	48526	CA10		0.448156585	0.398073598	0.03	0.07
17q#199056_199068	17	62264201-62397506	133306	CACNG5, CACNG4		0.448156585	0.398073598	0.03	0.07
17q#199032_199055	17	62031227-62252002	220776	PRKCA		0.448156585	0.398073598	0.03	0.07
17q#199678_199697	17	70325731-70445859	120129	EM104, GRIN2C, FDXR, FADS6, USH1G, OTOP2, OTO		0.448156585	0.398073598	0.03	0.07
17q#199762_199764	17	70835387-70859750	24364	GRB2		0.448156585	0.398073598	0.03	0.07
17q#199889_199892	17	71791958-71818674	26717	QRICH2, PRPSAP1		0.448156585	0.398073598	0.03	0.07
17q#199969_199979	17	72440665-72670162	229498	MGAT5B, SEC14L1		0.448156585	0.398073598	0.03	0.07
17q#199893_199897	17	71835912-71869539	33628	PRPSAP1		0.448156585	0.398073598	0.03	0.07
17q#199010_199031	17	61798874-62021457	222584	PRKCA		0.448156585	0.398073598	0.03	0.07
17q#195130_195141	17	23426354-23519834	93481	NLK		0.448156585	0.398073598	0.03	0.07
17q#200002_200007	17	72931418-72962800	31383	Sep-09		0.448156585	0.398073598	0.03	0.07
17q#200008_200018	17	72968609-73136901	168293	SEPT9, AK027069, BC010635		0.448156585	0.398073598	0.03	0.07
17q#195121_195129	17	23290659-23413436	122778	BC034720, NLK		0.448156585	0.398073598	0.03	0.07
11q#145006_145010	11	67023651-67051091	27441	PITPNM1, CDK2AP2, CABP2		0.448156585	0.398073598	0.03	0.07
11q#144945_144947	11	66606092-66623319	17228	EFCAB5		0.448156585	0.398073598	0.03	0.07
17q#195392_195395	17	25351076-25377408	26333	RHOD		0.448156585	0.398073598	0.03	0.07
11q#144940_144944	11	66579177-66600121	20945	SSH2		0.448156585	0.398073598	0.03	0.07
17q#195356_195380	17	24999107-25242570	243464	ALDH3B2		0.448156585	0.398073598	0.03	0.07
11q#145011_145013	11	67059787-67082203	22417	NDUFV1, AK124982, X15675, TBX10, ACY3, ALDH3B2		0.448156585	0.398073598	0.03	0.07
11q#145032_145033	11	67191388-67194934	3547	CFHR1, CFHR4, CFHR2, CFHR5, F13B, BX648804		0.448156585	0.398073598	0.03	0.07
11q#145021_145031	11	67131604-67187961	56358	AK02969, LOC148696, CD34		0.448156585	0.398073598	0.03	0.07
1q#14883_14913	1	193532798-193785112	252315	ASPM		0.448156585	0.398073598	0.03	0.07
1q#15970_15982	1	204367189-204472972	105784	CR1, BC109190, AY114160, CD46, AK123264		0.448156585	0.398073598	0.03	0.07
1q#14914_14920	1	193785182-193843291	58110	SYT2, AF093822		0.448156585	0.398073598	0.03	0.07
1q#15944_15969	1	204128081-204364978	236898	30A1, CR605189, NEK2, LPGAT1, BC009918, INTS7, D		0.448156585	0.398073598	0.03	0.07
1q#15983_15987	1	204486728-204571597	84870	SNFT, AK124596		0.448156585	0.398073598	0.03	0.07
1q#15402_15407	1	199386490-199428214	41725	RPS6KC1		0.448156585	0.398073598	0.03	0.07
1q#16188_16364	1	207295021-209142435	1847415	JARID1B, AF093822, RAB1F, KLHL12		0.448156585	0.398073598	0.03	0.07
1q#16378_16385	1	209239553-209289265	49713	CNTNAP2		0.448156585	0.398073598	0.03	0.07
1q#16420_16440	1	209579787-209756921	177135	CADPS2		0.448156585	0.398073598	0.03	0.07
1q#16452_16453	1	209871089-209911676	40588	WASL, AF149304, HYAL4, SPAM1, L13779		0.448156585	0.398073598	0.03	0.07
1q#15408_15434	1	199430442-199631188	200747	AF279773, G36901, PTN		0.448156585	0.398073598	0.03	0.07
17q#199398_199399	17	66912694-66940737	28044	MAGI2		0.448156585	0.398073598	0.03	0.07
17q#199400_199401	17	66970478-67022021	51544	CNTNAP2		0.448156585	0.398073598	0.03	0.07
7q#106303_106321	7	146434932-146578819	143888	CADPS2		0.448156585	0.398073598	0.03	0.07
7q#103976_103984	7	121988075-122058089	70015	WASL, AF149304, HYAL4, SPAM1, L13779		0.448156585	0.398073598	0.03	0.07
7q#104057_104094	7	122930682-123361547	430866	AF279773, G36901, PTN		0.448156585	0.398073598	0.03	0.07
7q#99020_99025	7	62286991-62694059	407069	MAGI2		0.448156585	0.398073598	0.03	0.07
7q#105263_105278	7	136191538-136401979	210442	CNTNAP2		0.448156585	0.398073598	0.03	0.07
7q#106294_106302	7	146348249-146418735	70487	CHRM2, AF279773		0.448156585	0.398073598	0.03	0.07
7q#100173_100218	7	77435117-77806874	371758	MAGI2		0.448156585	0.398073598	0.03	0.07
7q#106322_106392	7	146584614-147189186	604573	CNTNAP2		0.448156585	0.398073598	0.03	0.07
7q#105255_105262	7	136106953-136174150	67198	CHRM2, AF279773		0.448156585	0.398073598	0.03	0.07
7q#99018_99019	7	62272745-62277792	5048	MAGI2		0.448156585	0.398073598	0.03	0.07
7q#100219_100223	7	77816994-77845466	28473	MAGI2		0.448156585	0.398073598	0.03	0.07
7q#100224_100328	7	77855519-78745781	890263	MAGI2, CR749529		0.448156585	0.398073598	0.03	0.07

7q#104232_104261	7	125724372-126004041	279670	GRM8	0	0.41	0.00	0.02
7q#104262_104265	7	126015597-126038894	23298	GRM8	0	0.41	0.00	0.02
20q#216512_216519	20	47098987-47163407	64421	CSE1L, STAU1	0	0.41	0.00	0.02
20q#216023_216037	20	42390514-42504464	113951	AK027041, R3HDM, HNF4A	0	0.41	0.00	0.02
17q#197923_197936	17	50328173-50439859	111687	TOM1L1, COX11, STXBP4	0	0.41	0.00	0.02
20q#216177_216180	20	43588657-43607459	18803	WFDC6, SPINLW1	0	0.41	0.00	0.02
20q#216962_216973	20	52585318-52700729	115412	DOK5	0	0.41	0.00	0.02
20q#216636_216651	20	48249501-48416394	166894	CR620996, LOC284751, BC039367	0	0.41	0.00	0.02
8p#110022_110043	8	30680346-30829662	149317	GSR, UBXD6, PPP2CB, TEX15	0	0.41	0.00	0.02
8p#110045_110054	8	30852365-30999475	147111	PURG	0	0.41	0.00	0.02
22q#222105_222107	22	22672513-22681298	8786		0	0.41	0.00	0.02
8p#110055_110070	8	31004316-31109593	105278	PURG, WRN	0	0.41	0.00	0.02
22q#222096_222104	22	22606654-22665976	59323	AK123996, DDT, HS322B1A	0	0.41	0.00	0.02
8p#110071_110078	8	31118674-31173415	54742	WRN	0	0.41	0.00	0.02
7q#100409_100421	7	80032221-80151252	119032	SEMA3C	0	0.41	0.00	0.02
18q#205147_205162	18	58170669-58363063	192395	TNFRSF11A, BC006340, AL832323, ZCCHC2	0	0.41	0.00	0.02
7q#100329_100354	7	78762654-79427824	665171	GNAI1	0	0.41	0.00	0.02
7q#100355_100407	7	79435245-80016551	581307	GNAI1, AK096858, CD36, SEMA3C	0	0.41	0.00	0.02
7q#100422_100488	7	80162478-81288442	1125965	EMA3C, AY927634, AY927633, X16323, HGF, CACNA2I	0	0.41	0.00	0.02
7q#100489_100558	7	81293497-82173385	879889	CACNA2D1, AB011131	0	0.41	0.00	0.02
7q#104223_104231	7	125619554-125713199	93646	GRM8	0	0.41	0.00	0.02
18q#205141_205146	18	58123648-58163568	39921	KIAA1468, TNFRSF11A	0	0.41	0.00	0.02
21q#221145_221209	21	45883083-46436828	553746	K123852, AK094301, PCBP3, COL6A1, COL6A2, FTCD,	0	0.41	0.00	0.02
21q#221216_221279	21	46479772-46914745	434974	P, C21orf57, C21orf58, PCNT, AK127572, DIP2A, S100B	0	0.41	0.00	0.02
20q#216012_216017	20	42288577-42341650	53074	GDAP1L1	0	0.41	0.00	0.02
20q#216018_216022	20	42351544-42383722	32179	BC029662, AK027041	0	0.41	0.00	0.02
20q#216038_216176	20	42510864-43580745	1069882	21304, TOMM34, STK4, KCNS1, WFDC5, WFDC12, PI3,	0	0.41	0.00	0.02
17q#197217_197231	17	42166852-42281676	114825	NSF, WNT3, BC006271	0	0.41	0.00	0.02
20q#216181_216185	20	43614202-43638166	23965	WFDC8	0	0.41	0.00	0.02
20q#216974_216975	20	52707330-52714694	7365		0	0.41	0.00	0.02
20q#217029_217036	20	54231515-54279785	48271	MC3R	0	0.41	0.00	0.02
20q#217038_217057	20	54344575-54492558	147984	C20orf108, AURKA, CSTF1, C20orf32, C20orf43	0	0.41	0.00	0.02
20q#217083_217089	20	54785817-54982448	196632		0	0.41	0.00	0.02
20q#216630_216635	20	48215177-48242634	27458	CEBPB	0	0.41	0.00	0.02
14q#172566_172568	14	52429314-52441877	12564	PLEKHC1	0	0.41	0.00	0.02
17q#197937_197951	17	50453912-50580072	126161	STXBP4	0	0.41	0.00	0.02
18q#202720_202732	18	27523876-27636981	113106		0	0.41	0.00	0.02
7q#106047_106061	7	143214581-143290680	76100	AK125680	0	0.41	0.00	0.02
7q#106150_106266	7	144943887-146142978	1199092	CNTNAP2	0	0.41	0.00	0.02
7q#106286_106293	7	146303858-146342562	38705	CNTNAP2	0	0.41	0.00	0.02
8p#110220_110232	8	32705506-32903155	197650	NRG1	0	0.41	0.00	0.02
7q#100167_100172	7	77376590-77427999	51410	MAGI2	0	0.41	0.00	0.02
7q#106011_106032	7	142863310-143134939	271630	AK125680, KIAA0738	0	0.41	0.00	0.02
7q#106039_106046	7	143171819-143210013	38195	AK125680	0	0.41	0.00	0.02
7q#106267_106285	7	146154410-146296792	142383	CNTNAP2	0	0.41	0.00	0.02
7q#106393_106412	7	147195466-147365887	170422	CNTNAP2	0	0.41	0.00	0.02
7q#106062_106063	7	143302267-143308585	6319	AK125680	0	0.41	0.00	0.02
7q#106413_106452	7	147375967-147832419	456453	CNTNAP2, BC025670, C7orf33, CR591679	0	0.41	0.00	0.02
17q#200271_200281	17	75778652-75850449	71798	CARD14, SGSH, SLC26A11, KIAA1618	0	0.41	0.00	0.02
20q#216186_216197	20	43644486-43740519	96034	WFDC9, WFDC11	0	0.41	0.00	0.02
20q#217151_217169	20	55639669-56042184	402516	TMEPAI	0	0.41	0.00	0.02
6q#86528_86535	6	67553100-67846096	292997		0	0.41	0.00	0.02
6q#90887_90902	6	130566621-130716411	149791	SAMD3, AK091351	0	0.41	0.00	0.02
8p#109985_110021	8	30363499-30675293	311795	RBPM5, GTF2E2, GSR	0	0.41	0.00	0.02
8p#109972_109984	8	30141183-30345882	204700	DCTN6	0	0.41	0.00	0.02

8p#110124_110132	8	31877599-31954619	77021	NRG1	0	0.41	0.00	0.02
8p#110082_110105	8	31260826-31720110	459285	NRG1	0	0.41	0.00	0.02
22q#222108_222114	22	22690716-22719907	29192	GSTT1, AK127991	0	0.41	0.00	0.02
8p#110080_110081	8	31219902-31235616	15715		0	0.41	0.00	0.02
22q#221446_221476	22	16959358-17351512	392155	TUBA8, CR620426, USP18, AK129567, DGCR6, PRODH	0	0.41	0.00	0.02
7q#102355_102361	7	101698472-101707862	9391	ALKBH4, DKFZp434K1815, POLR2J	0	0.41	0.00	0.02
18q#205111_205125	18	57854866-57981752	126887	PIGN	0	0.41	0.00	0.02
22q#222075_222095	22	22493376-22597747	104372	SMARCB1, DERL3, SLC2A11, AK126983	0	0.41	0.00	0.02
7q#100559_100670	7	82182474-83578724	1396251	011131, BX649041, AF131772, Y19188, SEMA3E, SEMA	0	0.41	0.00	0.02
21q#221143_221144	21	45858095-45889500	11406		0	0.41	0.00	0.02
21q#221210_221215	21	46440982-46472497	31516	LSS	0	0.41	0.00	0.02
20q#216976_217028	20	52723474-54206554	1483081	CBLN4	0	0.41	0.00	0.02
20q#217136_217150	20	55517134-55634581	117448	CTCF, AK124277, PCK1, ZBP1	0	0.41	0.00	0.02
20q#217058_217082	20	54510611-54738205	227595	TF43, AK131203, C20orf106, AK097528, LOC388799, TF	0	0.41	0.00	0.02
14q#172823_172860	14	54970184-55424328	454145	TBPL2, AB075499, AK124927, KTN1	0	0.41	0.00	0.02
14q#172536_172565	14	52194468-52417940	223473	ERO1L, PSMC6, STYX, GNPAT1, PLEKHC1	0	0.41	0.00	0.02
14q#172813_172822	14	54903305-54965163	61859	KIAA0831, TBPL2	0	0.41	0.00	0.02
14q#172401_172402	14	50946632-50969150	22519		0	0.41	0.00	0.02
14q#172569_172581	14	52448166-52567040	118875	PLEKHC1	0	0.41	0.00	0.02
14q#172604_172617	14	52801333-53000564	199232	AK096400	0	0.41	0.00	0.02
14q#172654_172659	14	53430713-53479201	48489	AK096400	0	0.41	0.00	0.02
12q#157232_157246	12	74516920-74714831	197912	PHLDA1	0	0.41	0.00	0.02
17q#200541_200568	17	77941295-78154478	213184	9297, FLJ22222, HEXDC, C17orf62, NARF, FOXK2, AL8	0	0.41	0.00	0.02
17q#200309_200319	17	76101927-76204237	102311	KIAA1303	0	0.41	0.00	0.02
17q#200307_200308	17	76080242-76090701	10460		0	0.41	0.00	0.02
17q#200173_200181	17	74612265-74706668	94404		0	0.41	0.00	0.02
17q#200303_200306	17	76058764-76074761	15998	NPTX1	0	0.41	0.00	0.02
7q#99074_99081	7	63341967-63452149	110183	ZNF680	0	0.41	0.00	0.02
18q#202582_202614	18	24650677-25625984	975308		0	0.41	0.00	0.02
18q#202680_202719	18	27173827-27517734	343908	, DSG4, DSG3, DSG2, BC017410, BC042986, TTR, B4G	0	0.41	0.00	0.02
7q#100051_100057	7	75966125-76135099	168975	BC013192	0	0.41	0.00	0.02
7q#99046_99073	7	62989857-63295255	305399	AX721100, ZNF679, AK123141	0	0.41	0.00	0.02
18q#202615_202616	18	25657020-25713183	56164		0	0.41	0.00	0.02
8p#110319_110325	8	34170791-34289369	118579		0	0.41	0.00	0.02
18q#205173_205193	18	58540712-58679285	138574	PHLPP	0	0.41	0.00	0.02
7q#100065_100166	7	76397166-77366480	969315	LOC54103, PTPN12, AK027141, BC037783, RSBN1L, T	0	0.41	0.00	0.02
7q#102255_102260	7	100703439-100748154	44716	EMID2	0	0.41	0.00	0.02
18q#205163_205172	18	58376865-58531534	154670	ZCCHC2, AL832323	0	0.41	0.00	0.02
12q#157953_157956	12	85230255-85266077	35823	MGAT4C	0	0.41	0.00	0.02
6q#86508_86512	6	66949287-67086471	137185		0	0.41	0.00	0.02
6q#86536_86539	6	67868204-67948562	80359		0	0.41	0.00	0.02
6q#86540_86550	6	67978300-68328349	350050		0	0.41	0.00	0.02
6q#86513_86524	6	67113676-67425381	311706		0	0.41	0.00	0.02
6q#86526_86527	6	67485611-67530232	44622		0	0.41	0.00	0.02
6q#90875_90886	6	130467272-130555008	87737	L3MBTL3, SAMD3	0	0.41	0.00	0.02
6q#90903_90987	6	130722514-131947162	1224649	851, AB067500, KIAA1913, AK091900, EPB41L2, AKAP7	0	0.41	0.00	0.02
6q#91034_91057	6	132460153-132777114	316962	AF086187, MOXD1	0	0.41	0.00	0.02
8p#109969_109971	8	30117657-30136234	18578	DCTN6	0	0.41	0.00	0.02
18p#201891_201892	18	14091869-14092527	659	BC037787	0	0.41	0.00	0.02
18p#201875_201890	18	13861404-14091582	230179	MC2R, BC037787	0	0.41	0.00	0.02
6q#92609_92628	6	151910707-152117957	207251	C6orf97, X86816	0	0.41	0.00	0.02
18q#203739_203765	18	41653674-41845183	191510	CD33L3, KIAA1632, PSTPIP2	0	0.41	0.00	0.02
22q#221723_221731	22	19431676-19477438	45763	PIK4CA	0	0.41	0.00	0.02
22q#221856_221893	22	20716203-21053024	336822	AK131325, BC089413, VPREB1	0	0.41	0.00	0.02
22q#222001_222008	22	21978717-22064039	85323	BCR, FLJ31568	0	0.41	0.00	0.02

22q#221417_221445	22	16716207-16951898	235692	47382, AK127487, AK122725, AK123935, PEX26, CR62	0	0.41	0.00	0.02
22q#221477_221559	22	17359014-17931009	571996	593487, SLC25A1, CLTCL1, HIRA, MRPL40, BC030758	0	0.41	0.00	0.02
22q#221732_221787	22	19485145-20126215	641071	C026248, AIFL, LZTR1, THAP7, CR597525, MGC16703,	0	0.41	0.00	0.02
22q#221804_221855	22	20325510-20709364	383855	L2, YPEL1, AL157438, MAPK1, PPM1F, TOP3B, AK131	0	0.41	0.00	0.02
22q#221328_221364	22	15925191-16329722	404532	865, IL17RA, CECR6, BC021738, CECR5, CECR1, AF2	0	0.41	0.00	0.02
22q#222032_222074	22	22249883-22489950	240068	8, BC050388, Rgr, ZINF70, VPREB3, C22orf15, AK12591	0	0.41	0.00	0.02
22q#221788_221803	22	20136533-20323156	186624	UBE2L3, FLJ36046, SDF2L1	0	0.41	0.00	0.02
7q#100671_100673	7	83617616-83683408	65793		0	0.41	0.00	0.02
20q#217567_217599	20	6021621-60412256	194636	H3, FLJ44790, OSBPL2, ADRM1, LAMA5, RPS21, CABL	0	0.41	0.00	0.02
20q#217704_217715	20	61264602-61321213	56612	AK124784, YTHDF1	0	0.41	0.00	0.02
14q#172100_172107	14	47111238-47163723	52486	AY369208	0	0.41	0.00	0.02
18q#202733_202756	18	27648207-27893887	245681	KIAA1012, RNF125	0	0.41	0.00	0.02
7q#100059_100064	7	76172097-76282123	110027	BC013192, U38980	0	0.41	0.00	0.02
7p#97507_97520	7	37923687-38065921	142235	STARD3NL, AK026401, M16804	0	0.41	0.00	0.02
7p#97534_97676	7	38154547-39509760	1355214	9452, AK125646, AMPH, VPS41, AK023033, POU6F2, C	0	0.41	0.00	0.02
14q#172458_172495	14	51471422-51843834	372413	GNG2, C14orf166, PTGDR	0	0.41	0.00	0.02
14q#172504_172534	14	51944718-52179024	234307	KIAA1344, AK123953, BX647179, ERO1L	0	0.41	0.00	0.02
7p#97530_97533	7	38119615-38149800	30186	M16804, BC017861, M13231	0	0.41	0.00	0.02
7q#105661_105737	7	139987665-140656682	669018	BRAF, MRPS33, BC015911, LOC401410	0	0.41	0.00	0.02
14q#170804_170839	14	30587723-30935743	348021	AP4S1, AB030654, HECTD1, CR749444	0	0.41	0.00	0.02
14q#172403_172423	14	50997672-51142024	144353	AL833158	0	0.41	0.00	0.02
14q#172447_172452	14	51376334-51413951	37618	BC041446	0	0.41	0.00	0.02
14q#172618_172653	14	53008218-53419533	411316	AK096400	0	0.41	0.00	0.02
7p#97522_97529	7	38077657-38112153	34497	TARP, M16804	0	0.41	0.00	0.02
7q#105937_105940	7	142299248-142333027	33780		0	0.41	0.00	0.02
7q#105953_106010	7	142412450-142863125	450676	CASP2, CLCN1, KIAA0773, ZYX, EPHA1, AL833583, T	0	0.41	0.00	0.02
7q#106033_106038	7	143138980-143159814	20835	OR6B1, AK125680	0	0.41	0.00	0.02
7q#104978_105005	7	132969810-133173961	204152	EXOC4	0	0.41	0.00	0.02
18q#205432_205433	18	62144047-62185652	41606		0	0.41	0.00	0.02
7q#105941_105952	7	142342680-142407505	64826	PIP, TAS2R39	0	0.41	0.00	0.02
18q#205434_205457	18	62216466-62608487	392022	CDH19	0	0.41	0.00	0.02
20q#217544_217566	20	60064800-60211508	146709	TAF4, LSM14B, PSMA7, SS18L1, GTPBP5	0	0.41	0.00	0.02
6q#87273_87275	6	76990217-77057542	67326		0	0.41	0.00	0.02
6q#87276_87279	6	77079694-77193932	114239		0	0.41	0.00	0.02
8p#110133_110166	8	31968872-32235224	266353	NRG1	0	0.41	0.00	0.02
18q#202570_202581	18	24329250-24624560	295311		0	0.41	0.00	0.02
18q#202617_202679	18	25742236-27162322	1420087	DSC3, DSC2, DSC1, DSG1	0	0.41	0.00	0.02
8p#110106_110123	8	31727599-31867388	139790	NRG1	0	0.41	0.00	0.02
12q#157957_158021	12	85275646-86300151	1024506	MGAT4C	0	0.41	0.00	0.02
8p#110312_110317	8	34017074-34121894	104821		0	0.41	0.00	0.02
18q#204769_204906	18	53771154-55082036	1310883	, BC047525, HAK, BX647796, MALT1, ZNF532, SEC11	0	0.41	0.00	0.02
8p#110246_110298	8	33211353-33715832	504480	FUT10, RBM13, C8orf41, RNF122, DUSP26	0	0.41	0.00	0.02
20q#215483_215517	20	35519684-35896113	376430	AK093009, BLCAP, FLJ42133, CTNNDL1	0	0.41	0.00	0.02
20q#215526_215546	20	35991806-36190301	198496	C20orf102, KIAA0406, C20orf77	0	0.41	0.00	0.02
12q#157230_157231	12	74486263-74501917	15655		0	0.41	0.00	0.02
14q#171384_171493	14	36400747-37289374	868628	SLC25A21, AK057476, MIPOL1, FOXA1, BC038110	0	0.41	0.00	0.02
14q#171503_171636	14	37362898-38970150	1607253	, AK125018, SEC23A, SIP1, TRAPPC6B, PNN, Y09703,	0	0.41	0.00	0.02
14q#171976_171981	14	45847806-45940143	92338		0	0.41	0.00	0.02
14q#172052_172099	14	46741296-47096346	355051	MAMDC1, AY369208	0	0.41	0.00	0.02
7p#97319_97506	7	35949586-37896597	1947012	C028678, ANLN, AOA, ELMO1, BC043356, GPR141, T	0	0.41	0.00	0.02
14q#172453_172457	14	51431366-51464305	32940	GNG2	0	0.41	0.00	0.02
14q#171160_171295	14	34217577-35386556	1168980	f10, CR602202, KIAA0391, BC050339, PSMA6, NFKBIA	0	0.41	0.00	0.02
14q#171637_171651	14	38979316-39308088	328773		0	0.41	0.00	0.02
14q#171982_172051	14	45975157-46732144	756988	MAMDC1	0	0.41	0.00	0.02
14q#170793_170803	14	30511768-30579482	67715	STRN3, AP4S1	0	0.41	0.00	0.02

14q#170840_170885	14	30941409-31362181	420773	BC062720, BC041327, C14orf126, NUBPL	0	0.41	0.00	0.02
14q#171366_171383	14	36264559-36390668	126110	SLC25A21	0	0.41	0.00	0.02
14q#171494_171502	14	37278626-37357932	79307	BC038110, TTC6	0	0.41	0.00	0.02
7p#97272_97318	7	35140486-35941042	800557	AL832092, HERPUD2, CR595224, SEPT17	0	0.41	0.00	0.02
14q#171920_171974	14	44720634-45778750	1058117	FANCM, C14orf106	0	0.41	0.00	0.02
18q#205459_205489	18	62677750-63391952	714203	AL831865, C18orf4, BC053410	0	0.41	0.00	0.02
20q#215435_215445	20	35058120-35154942	96823	RBL1	0	0.41	0.00	0.02
6q#89660_89688	6	114100612-114425153	324542	MARCKS, BC037331, FLJ34503, HDAC2, BC042098	0	0.41	0.00	0.02
6q#89786_89803	6	116673147-116797697	124551	5DC1, TSPYL4, AK093256, AB075478, TSPYL1, AK095	0	0.41	0.00	0.02
6q#86600_86604	6	69518293-69551226	32934	BAI3	0	0.41	0.00	0.02
6q#86605_86613	6	69558891-69649447	90557	BAI3	0	0.41	0.00	0.02
6q#86614_86649	6	69661501-69979365	317865	BAI3	0	0.41	0.00	0.02
6q#91166_91192	6	133915088-134240915	325828	BC041459	0	0.41	0.00	0.02
6q#90728_90874	6	128760422-130459610	1699189	PRK, LAMA2, BC035400, ARHGAP18, C6orf191, L3MB1	0	0.41	0.00	0.02
6q#86650_86668	6	69987895-70149525	161631	BAI3	0	0.41	0.00	0.02
6q#86669_86676	6	70155509-70324640	169132	BAI3	0	0.41	0.00	0.02
6q#92525_92555	6	151181936-151435017	253082	PLEKHG1, MTHFD1L	0	0.41	0.00	0.02
6q#92566_92598	6	151515031-151840878	325848	THFD1L, BC031960, AKAP12, ZBTB2, AK023412, C6orf	0	0.41	0.00	0.02
6q#92486_92524	6	150649950-151173420	523471	PPP1R14C, C6orf71, PLEKHG1	0	0.41	0.00	0.02
6q#92599_92608	6	151846390-151904796	58407	C6orf96, C6orf211	0	0.41	0.00	0.02
6q#92629_92652	6	152138403-152366253	227851	X86816, ESR1	0	0.41	0.00	0.02
22q#22152_222268	22	22992246-23930113	937868	AF163312, C22orf13, SNRPD3, GGT1, AL832738, PIWIL	0	0.41	0.00	0.02
2p#24084_24092	2	60794596-60910398	115803	PAPOLG	0	0.41	0.00	0.02
2p#24530_24563	2	65590296-65920743	330448	FLJ16124	0	0.41	0.00	0.02
22q#221311_221326	22	15768270-15903055	134786	GAB4, AY026052	0	0.41	0.00	0.02
22q#221400_221416	22	16591905-16710480	118576	BID, AK097861, AB020626, BX647382	0	0.41	0.00	0.02
22q#225003_225016	22	46032724-46205884	168611	BC043000, BC037972	0	0.41	0.00	0.02
6p#86103_86129	6	56637763-56898637	260875	DST, U31851	0	0.41	0.00	0.02
22q#221302_221310	22	15638990-15743760	104771	XKR3, AY026053	0	0.41	0.00	0.02
22q#221365_221399	22	16340285-16586185	245901	5133, AK095590, SLC25A18, ATP6V1E1, AF075073, BC	0	0.41	0.00	0.02
22q#224982_224984	22	45843532-45858166	14635	TBC1D22A	0	0.41	0.00	0.02
22q#224992_225002	22	45916409-46021833	105425		0	0.41	0.00	0.02
22q#224894_224974	22	45183605-45783740	602136	CELSR1, AK092202, AB018310, DIP, CERK, TBC1D22A	0	0.41	0.00	0.02
22q#224975_224981	22	45792845-45836801	43957	TBC1D22A	0	0.41	0.00	0.02
22q#224985_224991	22	45864537-45907843	43307	TBC1D22A	0	0.41	0.00	0.02
7q#105890_105891	7	141965869-141971010	5142	LOC647353	0	0.41	0.00	0.02
7q#105892_105893	7	141974616-141978380	3765	LOC647353	0	0.41	0.00	0.02
7q#105894_105895	7	141984935-141985512	578	LOC647353	0	0.41	0.00	0.02
5q#70836_70891	5	53044957-53610064	565108	AF130091, ARL15	0	0.41	0.00	0.02
20q#215518_215525	20	35901505-35979942	78438	CTNBL1, C20orf102	0	0.41	0.00	0.02
7q#104976_104977	7	132949869-132959501	9633	EXOC4	0	0.41	0.00	0.02
12q#157058_157062	12	71189970-71229119	39150	TRHDE	0	0.41	0.00	0.02
14q#170892_170967	14	31459353-32253930	794578	BC007251, ARHGAP5, AB032969, AKAP6	0	0.41	0.00	0.02
14q#170987_171100	14	32420386-33386133	965748	AK126681, NPAS3	0	0.41	0.00	0.02
14q#170756_170762	14	30147001-30197760	50760	KIAA1333, SCFD1	0	0.41	0.00	0.02
14q#170763_170792	14	30209271-30503369	294099	SCFD1, COCH, STRN3	0	0.41	0.00	0.02
14q#170887_170891	14	31373492-31415488	41997	NUBPL	0	0.41	0.00	0.02
14q#170968_170986	14	32258731-32398506	139776	AKAP6	0	0.41	0.00	0.02
7p#95078_95107	7	8884507-9475366	590860	BC039511, AY423624	0	0.41	0.00	0.02
7p#97194_97271	7	34264703-35118245	853543	AAA1, NPSR1, AJ011911, DQ287932, BX648666, TBX20	0	0.41	0.00	0.02
11q#144578_144585	11	64292027-64320729	28703	SF1, MAP4K2	0	0.41	0.00	0.02
17q#196083_196086	17	32069339-32176737	107399		0	0.41	0.00	0.02
3q#53685_53686	3	196982148-196991452	9305	MUC4	0	0.41	0.00	0.02
3q#53687_53706	3	197004892-197189517	184626	MUC4, TNK2, BC071730	0	0.41	0.00	0.02
5q#70908_70962	5	53807612-54489157	681546	SNAG1, BC060791, ESM1, GZMK, GZMA, FLJ37927	0	0.41	0.00	0.02

5q#70892_70907	5	53617956-53801264	183309	ARL15, HSPB3	0	0.41	0.00	0.02
14q#173291_173302	14	59953799-60046885	93087	C14orf39, SIX6	0	0.41	0.00	0.02
14q#173038_173045	14	57468798-57567849	99052	C14orf37	0	0.41	0.00	0.02
14q#173023_173031	14	57305568-57378302	72735		0	0.41	0.00	0.02
7p#95613_95989	7	16423526-21614019	5190494	AK097178, HDAC9, Y11180, TWIST1, BC043576, TWIS	0	0.41	0.00	0.02
6q#87314_87349	6	78236135-78769807	533673		0	0.41	0.00	0.02
6q#87360_87373	6	79161515-79578827	417313		0	0.41	0.00	0.02
6q#87280_87282	6	77230101-77289192	59092		0	0.41	0.00	0.02
18q#203720_203738	18	41500698-41651311	150614	SLC14A2, SLC14A1	0	0.41	0.00	0.02
18q#203612_203719	18	40178935-41493602	1314668	51727, BC031271, BC062338, SETBP1, AK122698, SLC	0	0.41	0.00	0.02
18q#202564_202568	18	24151036-24265743	114708		0	0.41	0.00	0.02
18q#204646_204650	18	52521372-52559969	38598	WDR7	0	0.41	0.00	0.02
18q#204651_204678	18	52565785-52800292	234508	WDR7	0	0.41	0.00	0.02
22q#221945_221960	22	21454949-21607669	152721	BC089413, AF076199, AF054650	0	0.41	0.00	0.02
22q#221994_222000	22	21917032-21967777	50746	BCR	0	0.41	0.00	0.02
22q#222116_222136	22	22731544-22881679	150136	CABIN1	0	0.41	0.00	0.02
18q#204679_204768	18	52812903-53741507	928605	5, ST8SIA3, ONECUT2, FECH, NARS, BC040476, ATP8	0	0.41	0.00	0.02
22q#221691_221693	22	19156500-19168877	12378	KLHL22	0	0.41	0.00	0.02
22q#221707_221722	22	19278964-19426560	147597	BC035867, PIK4CA	0	0.41	0.00	0.02
22q#221894_221944	22	21061198-21447101	385904	BC089413, SUHW2, SUHW1, PRAME	0	0.41	0.00	0.02
22q#221961_221993	22	21625980-21905043	279064	RTDR1, RAB36, BCR	0	0.41	0.00	0.02
22q#222010_222014	22	22075712-22119091	43380		0	0.41	0.00	0.02
22q#221685_221690	22	19120346-19148442	28097	KLHL22	0	0.41	0.00	0.02
22q#221560_221564	22	17959312-18064879	105568		0	0.41	0.00	0.02
22q#221694_221706	22	19173622-19267416	93795	KLHL22, PCQAP	0	0.41	0.00	0.02
22q#222015_222031	22	22126490-22245035	118546	LOC388882, IGLL1	0	0.41	0.00	0.02
22q#221664_221671	22	18654320-18984160	329841	X91348, DGCR6L	0	0.41	0.00	0.02
22q#221673_221684	22	19057981-19112551	54571	AJ583822, ZNF74, SCARF2	0	0.41	0.00	0.02
12q#155365_155370	12	52685553-52704958	19406	HOXC8, HOXC4	0	0.41	0.00	0.02
9q#126454_126462	9	125087720-125154365	66646	GAPVD1	0	0.41	0.00	0.02
18p#201191_201206	18	6212615-6355459	142845	L3MBTL4	0	0.41	0.00	0.02
9q#126463_126469	9	125162290-125202384	40095	GAPVD1	0	0.41	0.00	0.02
9q#126553_126559	9	126108286-126197561	89276	C9orf28	0	0.41	0.00	0.02
18p#201207_201224	18	6366938-6735432	368495	L3MBTL4	0	0.41	0.00	0.02
9q#126418_126453	9	124780680-125081287	300608	SOLGA1, BC037940, C9orf126, PPP6C, RABEPK, HSPA	0	0.41	0.00	0.02
9q#126567_126681	9	126263153-127312975	1049823	3, AB007874, AB082524, RALGPS1, AK025650, GARNL	0	0.41	0.00	0.02
9q#126682_126684	9	127320760-127337144	16385	LRSAM1	0	0.41	0.00	0.02
6q#89822_89825	6	116960813-116981553	20741	C6orf78	0	0.41	0.00	0.02
6q#90154_90158	6	121697093-121773544	76452	C6orf170	0	0.41	0.00	0.02
18p#201225_201232	18	6747445-6827424	79980	AB037735, ARHGAP28	0	0.41	0.00	0.02
9q#126356_126417	9	124357110-124773170	416061	R6A1, AK074709, OLFML2A, RPL35, AK056174, ARPC5	0	0.41	0.00	0.02
9q#126470_126552	9	125211929-126066617	854689	MAPKAP1, AF159054, PBX3	0	0.41	0.00	0.02
9q#126560_126566	9	126205052-126255080	50029	C9orf28	0	0.41	0.00	0.02
6q#89826_89931	6	116997404-118309698	1312295	NA5, BC038997, GPRC6A, RFXDC1, VGLL2, ROS1, X5	0	0.41	0.00	0.02
6q#89969_90034	6	118671528-119379653	708126	84, C6orf204, BC064835, AK000177, AF151856, ASF1A,	0	0.41	0.00	0.02
6q#90533_90549	6	126547645-126791519	243875	C6orf173, AL832235	0	0.41	0.00	0.02
6q#90589_90604	6	127376817-127541657	164841	AK127472, RSPO3	0	0.41	0.00	0.02
6q#92287_92305	6	148247915-148727508	479594	SASH1	0	0.41	0.00	0.02
6q#90035_90046	6	119392025-119487560	95536	C6orf60, BX538186	0	0.41	0.00	0.02
6q#90112_90116	6	120891462-120999047	107586		0	0.41	0.00	0.02
6q#90122_90153	6	121197515-121689527	492013	C6orf170	0	0.41	0.00	0.02
6q#90228_90276	6	123037949-123641219	603271	PKIB, FABP7, SMPDL3A, C6orf213, AK055705, TRDN	0	0.41	0.00	0.02
6q#90529_90532	6	126454543-126533180	78638		0	0.41	0.00	0.02
6q#91193_91198	6	134248093-134287513	39421	BC041459, TCF21, AK093019	0	0.41	0.00	0.02
6q#91225_91245	6	134560881-134814159	253279	AK055077, AY944074	0	0.41	0.00	0.02

6q#91979_91984	6	144501760-144551029	49270	STX11	0	0.41	0.00	0.02
6q#92239_92286	6	147568864-148215549	646686	STXBP5, LOC389432	0	0.41	0.00	0.02
6q#90277_90289	6	123650030-123766388	116359	TRDN	0	0.41	0.00	0.02
6q#91216_91224	6	134489652-134553809	64158	SGK, AK055077	0	0.41	0.00	0.02
6q#92068_92074	6	145684223-145862825	178603		0	0.41	0.00	0.02
6q#92449_92463	6	150355245-150444265	89021	ULBP2, ULBP1, AF425244	0	0.41	0.00	0.02
6q#91962_91978	6	144318226-144488720	170495	PLAGL1, SF3B5	0	0.41	0.00	0.02
6q#91985_92065	6	144557082-145593146	1036065	UTRN	0	0.41	0.00	0.02
6q#92473_92480	6	150528056-150598386	70331	PPP1R14C	0	0.41	0.00	0.02
6q#92066_92067	6	145632460-145660165	27706		0	0.41	0.00	0.02
6q#92404_92448	6	149905776-150350029	444254	KATNA1, LATS1, NUP43, PCMT1, LRP11, BC016788, R	0	0.41	0.00	0.02
6q#92464_92472	6	150450577-150502692	52116	ULBP3	0	0.41	0.00	0.02
6q#92481_92485	6	150606240-150641213	34974	PPP1R14C	0	0.41	0.00	0.02
17p#194400_194417	17	13786136-14014324	228189	AK123100, COX10	0	0.41	0.00	0.02
17p#194364_194373	17	12972864-13286144	313281		0	0.41	0.00	0.02
17p#194127_194131	17	10111950-10149523	37574	MYH13	0	0.41	0.00	0.02
17p#194347_194363	17	12749735-12921252	171518	KIAA0672, ELAC2	0	0.41	0.00	0.02
2p#24377_24529	2	63852424-65580376	1727953	HSPC159, BC036082, AFTIPHILIN, BC041356, SERTAF	0	0.41	0.00	0.02
2p#24564_24585	2	65931236-66113670	182435	FLJ16124	0	0.41	0.00	0.02
22q#225017_225040	22	46213854-46494462	280609	FLJ46257, AK093107	0	0.41	0.00	0.02
22q#221294_221298	22	15523118-15563731	40614	AK001299	0	0.41	0.00	0.02
22q#221299_221301	22	15579496-15630962	51467		0	0.41	0.00	0.02
22q#225041_225086	22	46509294-47026340	517047	AK093107, LOC388915	0	0.41	0.00	0.02
3q#52099_52116	3	177929805-178247856	318052	BX640629, TBL1XR1	0	0.41	0.00	0.02
3q#53707_53719	3	197220266-197363137	142872	TFRC, FLJ25996	0	0.41	0.00	0.02
3q#53882_53950	3	198753910-199383538	629629	D86979, FYT1D1, LRCH3, AK055819, IQCG, LMLN, ALB	0	0.41	0.00	0.02
14q#170685_170710	14	29258368-29451984	193617	PRKD1	0	0.41	0.00	0.02
14q#170639_170684	14	28396216-29252295	856080	PRKD1	0	0.41	0.00	0.02
14q#170711_170749	14	29462365-30082541	620177	PRKD1, BC034639	0	0.41	0.00	0.02
17p#194848_194936	17	19371812-20551151	1179340	A2, FLJ31196, BX648861, ALDH3A1, ULK2, AKAP10, A	0	0.41	0.00	0.02
17p#194835_194847	17	19223764-19357768	134005	MAPK7, MFAP4, ZNF179	0	0.41	0.00	0.02
17p#194937_194943	17	20569693-20607766	38074		0	0.41	0.00	0.02
14q#170618_170638	14	28125412-28375291	249880	AK124763, FOXG1B, BX248251	0	0.41	0.00	0.02
14q#170750_170751	14	30090617-30097883	7267		0	0.41	0.00	0.02
17p#194824_194834	17	19174477-19217289	42813	EPN2, EPPB9, CR606056	0	0.41	0.00	0.02
14q#170610_170617	14	27921570-28093210	171641		0	0.41	0.00	0.02
17p#194822_194823	17	19154096-19162563	8468	EPN2	0	0.41	0.00	0.02
14q#170752_170755	14	30112263-30140992	28730	KIAA1333	0	0.41	0.00	0.02
22q#221579_221585	22	18135213-18172199	36987	TBX1, AB051432, GNB1L	0	0.41	0.00	0.02
22q#221586_221639	22	18179221-18487228	308008	RD2, COMT, ARVCF, CR591827, C22orf25, DGCR8, HT	0	0.41	0.00	0.02
22q#225308_225309	22	49015853-49019515	3663	AK056543	0	0.41	0.00	0.02
22q#225288_225299	22	48929857-48973995	44139	PP2447, SELO, TUBGCP6	0	0.41	0.00	0.02
22q#221565_221567	22	18074295-18081656	7362	Sep-05	0	0.41	0.00	0.02
22q#225310_225314	22	49025025-49070652	45628	AB002313	0	0.41	0.00	0.02
22q#225300_225307	22	48978668-49009365	30698	TUBGCP6, HDAC10, MAPK12, U53442, MAPK11	0	0.41	0.00	0.02
10p#128239_128289	10	1925635-2593551	667917	BC055423	0	0.41	0.00	0.02
22q#221640_221644	22	18491339-18513633	22295	ZDHHC8	0	0.41	0.00	0.02
7p#94164_94169	7	140213-204768	64556		0	0.41	0.00	0.02
7p#94170_94174	7	224840-265508	40669	AK094924	0	0.41	0.00	0.02
12q#160831_160852	12	119993121-120166900	173780	P2RX7, P2RX4, CAMKK2	0	0.41	0.00	0.02
12q#160991_161042	12	121422919-121836523	413605	J11021, KNTC1, AK122659, GPR109A, GPR109B, GPR	0	0.41	0.00	0.02
19p#208433_208436	19	16808316-16845970	37655	SIN3B	0	0.41	0.00	0.02
20p#214198_214252	20	18859151-19536838	677688	SLC24A3	0	0.41	0.00	0.02
20p#214426_214460	20	21573020-22316382	743363	PAX1, BC038192, CR627206	0	0.41	0.00	0.02
4q#59755_59763	4	84024672-84097271	72600	SCD5, SEC31L1	0	0.41	0.00	0.02

4q#60697	60703	4	94340238-94397444	57207		GRID2	0	0.41	0.00	0.02
4q#59698	59701	4	83365386-83470119	104734			0	0.41	0.00	0.02
4q#59752	59754	4	83995737-84016079	20343		SCD5	0	0.41	0.00	0.02
14q#173114	173290	14	58123103-59937539	1814437		#orf100, AK094488, RTN1, AK128037, AK095489, C14orf	0	0.41	0.00	0.02
14q#173303	173318	14	60054688-60223745	169058		SIX1	0	0.41	0.00	0.02
14q#173032	173037	14	57388012-57440733	52722			0	0.41	0.00	0.02
14q#173062	173067	14	57716720-57765608	48889		ACTR10	0	0.41	0.00	0.02
7p#96934	97039	7	31733718-32728366	994649		AK091734, LSM5, KIAA0241, BC027724, LOC441208, A	0	0.41	0.00	0.02
7p#97085	97121	7	33120731-33404981	284251		PTHB1	0	0.41	0.00	0.02
7p#96788	96814	7	30263253-30502884	239632		7orf24, G36719, BC041636, AK096687, GARS, CRHR2,	0	0.41	0.00	0.02
7p#96861	96933	7	30894548-31726915	832368		R1, BX538156, NEUROD6, LOC223075, C7orf16, U403,	0	0.41	0.00	0.02
7p#95070	95077	7	8628908-8861945	233038			0	0.41	0.00	0.02
7p#95108	95216	7	9490942-11030317	1539376		AY423624, BX648837, BC002644, NDUFA4, PHF14	0	0.41	0.00	0.02
7p#95285	95609	7	11922200-16374470	4452271		797, AB067492, SCIN, BC043260, ARL4A, ETV1, DGKE	0	0.41	0.00	0.02
7p#97040	97084	7	32735699-33109427	373729		LOC441212, BC027724, FKBP9, NT5C3, RP9, PTHB1	0	0.41	0.00	0.02
7p#97122	97193	7	33410350-34251232	840883		PTHB1, AK000719, AK000152, BMPER, AAA1	0	0.41	0.00	0.02
7p#96815	96819	7	30512433-30553062	40630		AF011406	0	0.41	0.00	0.02
7p#96843	96860	7	30737383-30887652	150270		AQP1, GHRHR, ADCYAP1R1	0	0.41	0.00	0.02
7p#94892	94900	7	6832024-7022565	190542			0	0.41	0.00	0.02
7p#95054	95069	7	8460704-8597667	136964		NXPH1	0	0.41	0.00	0.02
7p#95610	95612	7	16392787-16412816	20030		ANKMY2	0	0.41	0.00	0.02
7p#96721	96787	7	29609033-30245974	636942		8, CR598838, BC053990, AK023180, AK096533, EILs1,	0	0.41	0.00	0.02
20p#214253	214417	20	19543450-21428822	1885373		NAT5, CRNKL1, C20orf26, INSM1, AK002211, C20orf74	0	0.41	0.00	0.02
20p#214423	214425	20	21488689-21530844	42156			0	0.41	0.00	0.02
6q#86578	86599	6	69162419-69508747	346329		AB011122, BAI3	0	0.41	0.00	0.02
6q#88539	88558	6	98046692-98344021	297330		AK091365	0	0.41	0.00	0.02
6q#87355	87356	6	79035891-79058603	22713			0	0.41	0.00	0.02
6q#91819	91825	6	14277918-142828850	50933		GPR126	0	0.41	0.00	0.02
6q#87351	87354	6	78842734-78983335	140602			0	0.41	0.00	0.02
6q#87357	87359	6	79079988-79133951	53964			0	0.41	0.00	0.02
6q#87374	87378	6	79610035-79651862	41828		IRAK1BP1	0	0.41	0.00	0.02
6q#87380	87418	6	79665030-80113253	448224		AK098678, PHIP, BC036479, HMGN3	0	0.41	0.00	0.02
6q#91826	91835	6	142846231-143012075	165845		AK055933	0	0.41	0.00	0.02
4q#59360	59376	4	79150062-79347304	197243		MRPL1, BC006366, FRAS1	0	0.41	0.00	0.02
22q#222418	222439	22	25163875-25273838	109964		ASPHD2, AK097157, HPS4, LOC402055, TFIP11, TPST2	0	0.41	0.00	0.02
22q#222461	222475	22	25488649-25840030	351382		BC036876	0	0.41	0.00	0.02
18q#203332	203384	18	34854325-35704673	850349		AK090603	0	0.41	0.00	0.02
18q#202561	202562	18	24048647-24090984	32338			0	0.41	0.00	0.02
22q#222285	222417	22	24071802-25157307	1085506		2, BC004918, ADRBK2, BC021221, MYO18B, SEZ6L, AF	0	0.41	0.00	0.02
22q#222440	222460	22	25282216-25454721	172506		TPST2, CRYBB1, CRYBA4, AK098833, AK026502	0	0.41	0.00	0.02
18q#202328	202342	18	21112518-21364498	251981		ZNF521	0	0.41	0.00	0.02
18q#202522	202560	18	23603928-24030171	426244		CDH2	0	0.41	0.00	0.02
22q#222269	222284	22	23932760-24059964	127205		CRYBB2	0	0.41	0.00	0.02
18q#202150	202299	18	19338369-20801000	1462632		IKRD29, LAMA3, C18orf17, CABYR, OSBPL1A, IMPACT	0	0.41	0.00	0.02
22q#222144	222150	22	22918315-22968491	50177		GGTLA1	0	0.41	0.00	0.02
4q#64749	64753	4	153966335-154040181	73847			0	0.41	0.00	0.02
19p#207637	207645	19	10191584-10244151	52568		EDG5, MRPL4, ICAM1	0	0.41	0.00	0.02
22q#222137	222143	22	22891200-22909237	18038		CABIN1, SUSD2	0	0.41	0.00	0.02
4q#64715	64748	4	153655772-153956638	300867		FBXW7, AL137273, FLJ32028	0	0.41	0.00	0.02
22q#225215	225218	22	48413915-48442760	28846			0	0.41	0.00	0.02
22q#225220	225221	22	48468269-48483401	15133			0	0.41	0.00	0.02
12q#158475	158500	12	93867567-94085222	217656		NDUFA12, NR2C1, FGD6	0	0.41	0.00	0.02
21q#220462	220472	21	41096875-41219296	122422		DSCAM	0	0.41	0.00	0.02
22q#225182	225205	22	48119838-48325679	205842		BC033837, FLJ44385	0	0.41	0.00	0.02
22q#225208	225214	22	48337532-48393849	56318		LOC348645	0	0.41	0.00	0.02

17p#195042_195043	17	21843143-21857788	14646				0	0.41	0.00	0.02
17p#195044_195046	17	21867029-21915659	48631				0	0.41	0.00	0.02
7p#96079_96286	7	22734501-25029193	2294693	5F2BP3, TRA2A, LOC90693, MGC72075, STK31, AK057			0	0.41	0.00	0.02
12q#157029_157057	12	70959273-71179714	220442	TRHDE			0	0.41	0.00	0.02
7p#94711_94716	7	5058944-5134508	75565	BC009270, SLC29A4, AB058759			0	0.41	0.00	0.02
3q#53667_53670	3	196613685-196642135	28451	CENTB2			0	0.41	0.00	0.02
7p#95990_96032	7	21631073-22159357	528285	DNAH11, CDCA7L, D87467, AL833195			0	0.41	0.00	0.02
7p#96041_96078	7	22283755-22719029	435275	C066301, AK123961, BC039682, BC042871, IL6, TOMM			0	0.41	0.00	0.02
7p#96287_96288	7	25033965-25040551	6587	C7orf9			0	0.41	0.00	0.02
17p#195047_195052	17	21956831-22142572	185742				0	0.41	0.00	0.02
3q#52631_52647	3	185338228-185438801	100574	EIF2B5, DVL3, AP2M1, ABCF3, BC001200			0	0.41	0.00	0.02
3q#52682_52685	3	185590263-185608003	17741	CHRD			0	0.41	0.00	0.02
3q#52595_52630	3	185096086-185337351	241266	57243, ABCC5, HTR3D, HTR3C, HTR3E, AY956761, EIF			0	0.41	0.00	0.02
3q#52686_52701	3	185614757-185810144	195388	EPHB3			0	0.41	0.00	0.02
3q#52584_52585	3	185013005-185019194	6190	YEATS2, MAP6D1			0	0.41	0.00	0.02
3q#52702_52712	3	185828022-185976862	148841	MAGEF1, BC050282			0	0.41	0.00	0.02
3q#52587_52594	3	185031383-185090571	59189	PARL			0	0.41	0.00	0.02
3q#51803_52098	3	174165437-177913683	3748247	SPATA16, NLGN1, AJ607399, AJ607396, NAALADL2			0	0.41	0.00	0.02
3q#52117_52583	3	178265404-185002049	6736646	NDUFB5, USP13, PEX5L, TTC14, AY358762, AL12212			0	0.41	0.00	0.02
3q#52713_52909	3	185995089-187864857	1869769	41A, LIPH, SENP2, IGF2BP2, SFRS10, BX640843, ETV5			0	0.41	0.00	0.02
3q#53606_53666	3	196048946-196608485	559540	C3orf21, CENTB2			0	0.41	0.00	0.02
3q#53720_53881	3	197375520-198747604	1372085	37, RNF168, AL833140, WDR53, AK025697, LRRRC33, C			0	0.41	0.00	0.02
16p#189043_189047	16	32208242-32525764	317523				0	0.41	0.00	0.02
20p#213994_214027	20	16466944-17138245	671302	C20orf23, SNRFB2, OTOR			0	0.41	0.00	0.02
20p#214163_214197	20	18537675-18846015	308341	HARS2, HSPC072, C20orf79, CR600291			0	0.41	0.00	0.02
20p#214461_214475	20	22341339-22540537	199199	BC033532, FOXA2			0	0.41	0.00	0.02
3q#53140_53182	3	190165712-190781361	615650	BX641108, FAM79B			0	0.41	0.00	0.02
6p#83775_83779	6	32672983-32712016	39034	BC003593			0	0.41	0.00	0.02
20p#214476_214597	20	22576208-23979374	1403167	443, NXT1, AK056477, ZNF336, NAPB, CSTL1, CST11, C			0	0.41	0.00	0.02
11p#142578_142620	11	39727879-40398786	670908	LRRRC4C, DQ084202			0	0.41	0.00	0.02
11p#142948_142955	11	45276021-45357396	81376	FLJ41423			0	0.41	0.00	0.02
4q#59489_59507	4	80524938-80738556	213619	BC036848, CR605070, GK2			0	0.41	0.00	0.02
11p#142922_142947	11	44949876-45267033	317158	PRDM11, AK024304, SYT13			0	0.41	0.00	0.02
3p#40789_40816	3	34481621-35076243	594623	BC035904			0	0.41	0.00	0.02
3p#40871_40878	3	35782771-35874811	92041	ARPP-21			0	0.41	0.00	0.02
3p#40777_40788	3	34224937-34440423	215487				0	0.41	0.00	0.02
3p#40817_40820	3	35088216-35129151	40936	BC035904			0	0.41	0.00	0.02
11q#146751_146753	11	86462145-86489981	27837	TMEM135			0	0.41	0.00	0.02
11p#140711_140721	11	13863249-13991224	127976	SPON1			0	0.41	0.00	0.02
11p#140833_140848	11	15095766-15231610	135845	AB236159, INSC			0	0.41	0.00	0.02
11p#140930_140944	11	16615748-16791339	175592	AK097455, C11orf58, PLEKHA7			0	0.41	0.00	0.02
10p#128346_128352	10	3272797-3362328	89532	BC037918			0	0.41	0.00	0.02
11p#140945_140953	11	16803870-16860385	56516	PLEKHA7			0	0.41	0.00	0.02
11p#140973_140997	11	17052604-17246426	193823	RPS13, BX648778, PIK3C2A, BC031681, AK097398			0	0.41	0.00	0.02
11p#141016_141027	11	17424701-17511443	86743	ABCC8, USH1C			0	0.41	0.00	0.02
11p#141128_141179	11	18390799-18915930	525132	6A, TSG101, UEV3, AK097654, SPTY2D1, TMEM86A, IQ			0	0.41	0.00	0.02
10p#128330_128345	10	3114061-3258498	144438	PFKP, PITRM1			0	0.41	0.00	0.02
4q#64608_64714	4	152195402-153641798	1446397	SH3D19, ESSPL, AK125363, AB019410, PET112L, BCC			0	0.41	0.00	0.02
19p#208630_208657	19	18359525-18550518	190994	C25, SSBP4, ELL, BX648739, FKBP8, MGC2749, UBA5			0	0.41	0.00	0.02
11p#140954_140972	11	16878891-17051922	173032	PLEKHA7			0	0.41	0.00	0.02
22q#225315_225327	22	49077062-49173598	96537	SAPS2			0	0.41	0.00	0.02
10p#128290_128329	10	2606778-3104447	497670	PFKP			0	0.41	0.00	0.02
7p#94213_94255	7	803607-1059952	256346	MGC11257, ZFAND2A			0	0.41	0.00	0.02
22q#225285_225287	22	48919436-48926446	7011	PANX2			0	0.41	0.00	0.02
7p#94175_94195	7	271646-675521	403876	FAM20C, FLJ20397, BC010850, AK127690, UNC84A			0	0.41	0.00	0.02

7p#94196_94201	7	681992-709220	27229	UNC84A, C7orf20	0	0.41	0.00	0.02
7p#94202_94212	7	715855-798684	82830	CENTA1, AK130822, LOC90639, CYP2W1	0	0.41	0.00	0.02
22q#225222_225224	22	48488857-48502301	13445	BRD1	0	0.41	0.00	0.02
22q#225225_225250	22	48508210-48667071	158862	BRD1, AK058075, ZBED4, ALG12, CRELD2	0	0.41	0.00	0.02
22q#225269_225279	22	48825970-48881933	55964	MLC1, MOV10L1	0	0.41	0.00	0.02
22q#225281_225284	22	48894630-48916396	21767	MOV10L1, PANX2	0	0.41	0.00	0.02
6q#89349_89404	6	110102148-110752146	649999	199, KIAA0274, GPR6, WASF1, CDC40, BC018059, AK1	0	0.41	0.00	0.02
6q#89456_89553	6	111292469-112159185	866717	SLC16A10, KIAA1919, AB067506, AK025312, REV3L, B	0	0.41	0.00	0.02
6q#89554_89561	6	112164891-11232522	67632	FYN	0	0.41	0.00	0.02
2q#37094_37101	2	233105675-233146177	40503		0	0.41	0.00	0.02
17p#194156_194166	17	10375261-10476844	101584	MYH2, AK097500, MYH3	0	0.41	0.00	0.02
17p#194569_194572	17	16263648-16282302	18655	TRPV2	0	0.41	0.00	0.02
17p#194775_194777	17	18230762-18265608	34847	AK125954, AK127974	0	0.41	0.00	0.02
17p#194394_194399	17	13648454-13761836	113383		0	0.41	0.00	0.02
17p#194374_194393	17	13320996-13633029	312034	HS3ST3A1, AK123263	0	0.41	0.00	0.02
17p#194562_194568	17	16211442-16253683	42242		0	0.41	0.00	0.02
17p#194573_194582	17	16286002-16356824	70823	C17orf45, C17orf76	0	0.41	0.00	0.02
17p#194549_194561	17	16087690-16205184	117495	PIGL, AK023469, PRR6	0	0.41	0.00	0.02
17p#194596_194603	17	16483230-16663548	180319	ZNF624, AK125971, BC039345, CR597597	0	0.41	0.00	0.02
2q#37103_37108	2	233164808-233191566	26759	ECEL1	0	0.41	0.00	0.02
2q#37210_37257	2	234073311-234496935	423625	DGKD, USP40, UGT1A8	0	0.41	0.00	0.02
2q#37258_37294	2	234502862-234832129	329268	BC042133, DKFZp762E1312, TRPM8, SPP2, AK096136	0	0.41	0.00	0.02
17p#194132_194155	17	10160059-10367276	207218	MYH13, MYH8, AK097500, MYH4, MYH1, MYH2	0	0.41	0.00	0.02
17p#194167_194193	17	10485107-10781504	296398	YH3, SCO1, C17orf48, LOC388335, AK091139, AK0215	0	0.41	0.00	0.02
17p#194542_194548	17	16015802-16078118	62317	NCOR1, PIGL	0	0.41	0.00	0.02
17p#194583_194595	17	16370645-16473518	102874	ZNF287, ZNF624	0	0.41	0.00	0.02
17p#194194_194206	17	10812032-11102231	290200	FLJ45455	0	0.41	0.00	0.02
17p#194535_194541	17	15942357-16001094	58738	NCOR1	0	0.41	0.00	0.02
17p#194604_194608	17	16698289-16744737	46449		0	0.41	0.00	0.02
2q#34332_34443	2	202220862-203253880	1033019	P4, ALS2, ALS2CR7, FZD7, AK096380, BC040292, AB0	0	0.41	0.00	0.02
2q#34444_34588	2	203263850-204812086	1548237	2CR8, ALS2CR16, AK130065, NBEAL1, CYP20A1, BC0	0	0.41	0.00	0.02
14q#173319_173377	14	60239167-60758962	519796	SIX4, MNAT1, TRMT5, SLC38A6, BC050349	0	0.41	0.00	0.02
17p#194944_194956	17	20618474-20764828	146355	MGC87631	0	0.41	0.00	0.02
19q#211599_211606	19	56770664-56840401	69738	ZNF175, BC034798, SIGLEC5, AY358369	0	0.41	0.00	0.02
11q#144368_144371	11	62667335-62688246	20912	MGC34821, LOC387601	0	0.41	0.00	0.02
11q#144374_144377	11	62741497-62770946	29450	LOC387601	0	0.41	0.00	0.02
22q#221574_221578	22	18114546-18131546	17001	TBX1	0	0.41	0.00	0.02
22q#221568_221569	22	18084669-18091366	6698	Sep-05	0	0.41	0.00	0.02
22q#221570_221573	22	18096163-18111236	15074		0	0.41	0.00	0.02
22q#221654_221662	22	18591686-18634557	42872	RTN4R, X91348	0	0.41	0.00	0.02
7p#96820_96842	7	30562365-30732345	169981	INMT, FLJ22374, AQP1	0	0.41	0.00	0.02
19q#211607_211609	19	56850433-56864368	13936		0	0.41	0.00	0.02
11q#144224_144235	11	61689434-61761376	71943	SCGB1D1, SCGB2A1	0	0.41	0.00	0.02
22q#221648_221653	22	18549547-18583846	34300	AK092552, AK057137	0	0.41	0.00	0.02
22q#221645_221647	22	18518630-18539139	20510		0	0.41	0.00	0.02
11q#143849_143850	11	58489375-58495739	6365	AK091446	0	0.41	0.00	0.02
11q#144236_144238	11	61766567-61778534	11968	SCGB1D2	0	0.41	0.00	0.02
19p#208437_208448	19	16851341-16929750	78410	SIN3B, AF055917, CPAMD8	0	0.41	0.00	0.02
19p#208527_208547	19	17563386-17762355	198970	AB028955, BPY2IP1, BC028021, FCHO1	0	0.41	0.00	0.02
11p#142562_142572	11	39209713-39537711	327999		0	0.41	0.00	0.02
11p#142526_142553	11	37986858-38947224	960367		0	0.41	0.00	0.02
11p#142573_142574	11	39561636-39589725	28090		0	0.41	0.00	0.02
11p#142424_142438	11	36050077-36219077	169001	LDLRAD3, BC042754	0	0.41	0.00	0.02
11q#146497_146509	11	83763421-83857536	94116	DLG2	0	0.41	0.00	0.02
11q#146637_146676	11	85180436-85666770	486335	AB046817, CCDC83, PICALM, EED	0	0.41	0.00	0.02

7p#94980_94992	7	7784903-7886377	101475	GLCC1	0	0.41	0.00	0.02
7p#95217_95284	7	11060592-11893197	832606	BC040327, AB023177, AK092252	0	0.41	0.00	0.02
7p#96501_96588	7	27480196-28361167	880972	G36716, TAX1BP1, JAZF1, CREB5	0	0.41	0.00	0.02
7p#96626_96720	7	28632493-29583578	951086	A0644, AK124888, CPVL, AK124472, CHN2, BC038570,	0	0.41	0.00	0.02
7p#94889_94890	7	6723988-6798134	74147		0	0.41	0.00	0.02
7p#94886_94888	7	6613548-6644183	30636	C7orf28B	0	0.41	0.00	0.02
7p#94901_94979	7	7034527-7778814	744288	C1GALT1, COL28A1, FLJ20323, RPA3, CR590623	0	0.41	0.00	0.02
7p#94993_95053	7	7895811-8455502	559692	GLCC1, ICA1, CR624517, NXPH1	0	0.41	0.00	0.02
7p#96289_96314	7	25054371-25600906	546536	BX648247, AK057379	0	0.41	0.00	0.02
19q#212340_212374	19	62759813-62995549	235737	134, AB209847, ZNF211, ZSCAN4, ZNF551, BC041615,	0	0.41	0.00	0.02
19q#212375_212433	19	63005638-63497622	491985	256, C19orf18, ZNF606, ZSCAN1, ZNF135, BX647775, A	0	0.41	0.00	0.02
2q#352225_35239	2	212552332-212654812	102481	ERBB4	0	0.41	0.00	0.02
15q#179161_179169	15	33927829-34038510	110682	AK096400	0	0.41	0.00	0.02
15q#179177_179190	15	34119180-34259899	140720	AK096400	0	0.41	0.00	0.02
4q#59925_60007	4	86022052-87048925	1026874	WDFY3, C4orf12, ARHGAP24	0	0.41	0.00	0.02
4q#60623_60696	4	93663829-94333303	669475	GRID2	0	0.41	0.00	0.02
4q#60704_60707	4	94410989-94436890	25902	GRID2	0	0.41	0.00	0.02
1p#6447_6463	1	67852140-67963473	111334	GADD45A, GNG12	0	0.41	0.00	0.02
5q#70679_70683	5	50094782-50128782	34001	PARP8	0	0.41	0.00	0.02
5q#70684_70688	5	50146980-50213382	66403	PARP8	0	0.41	0.00	0.02
15q#183120_183134	15	71034004-71202224	168221	NEO1	0	0.41	0.00	0.02
15q#182923_182973	15	69411830-69797984	386155	THSD4	0	0.41	0.00	0.02
1p#10185_10196	1	118213933-118313899	99967	WDR3, SPAG17	0	0.41	0.00	0.02
7p#94488_94492	7	3031197-3101452	70256		0	0.41	0.00	0.02
3q#52648_52681	3	185442811-185587982	145172	P5MD2, EIF4G1, CR601623, C3orf40, CLCN2, CR59052	0	0.41	0.00	0.02
3q#52910_52920	3	187873131-187944411	71281	HRG, KNG1	0	0.41	0.00	0.02
3q#53512_53555	3	195031823-195581826	550004	BC027871, BC038368, HES1, BC042334, LRRRC15	0	0.41	0.00	0.02
3q#53556_53564	3	195587839-195633175	45337	GP5, AJ306929	0	0.41	0.00	0.02
3q#53565_53605	3	195641982-196028488	386507	AJ306929, AK091527, TMEH44, LSG1, BC042533	0	0.41	0.00	0.02
5p#70546_70554	5	44410552-44516069	105518	FGF10, BC042062	0	0.41	0.00	0.02
20p#214112_214126	20	18076636-18237052	160417	CSRP2BP, ZNF133	0	0.41	0.00	0.02
20p#214028_214111	20	17152436-18071007	918572	483, DSTN, RRBP1, C20orf179, SNX5, C20orf72, AK022	0	0.41	0.00	0.02
20p#214127_214162	20	18245478-18522361	276884	33, BC043266, C20orf12, POLR3F, RBBP9, SEC23B, H	0	0.41	0.00	0.02
3q#53124_53139	3	190000105-190143274	143170	LPP, BX641108	0	0.41	0.00	0.02
3q#53183_53261	3	190802175-191610769	808595	TP73L, LEPREL1, CLDN1, CLDN16	0	0.41	0.00	0.02
6q#88769_88781	6	101915885-102034365	118481	GRIK2	0	0.41	0.00	0.02
6q#88881_88888	6	103845083-104122822	277740		0	0.41	0.00	0.02
6q#88860_88869	6	102982329-103365035	382707		0	0.41	0.00	0.02
11q#147857_147909	11	101761767-102205509	443743	23, MMP7, MMP20, MMP27, MMP8, MMP10, AK097805	0	0.41	0.00	0.02
9q#126162_126176	9	122578303-122653860	75558		0	0.41	0.00	0.02
9q#126350_126354	9	124317715-124345585	27871	GPR144, NR5A1	0	0.41	0.00	0.02
6q#88510_88538	6	97701185-98030231	329047	C6orf167, AK091365	0	0.41	0.00	0.02
11q#147910_147912	11	102214618-102227342	12725	MMP3	0	0.41	0.00	0.02
9q#124817_124921	9	107661405-109146359	1484955	610, ACTL7A, IKBKAP, CTNNA1, C9orf5, AF038201, C	0	0.41	0.00	0.02
9q#125986_126025	9	121015042-121428729	413688	P110, RAB14, AK125819, GSN, STOM, AF378121, DAB	0	0.41	0.00	0.02
9q#126050_126062	9	121674076-121783020	108945	AK125178	0	0.41	0.00	0.02
9q#126077_126161	9	121948491-122571723	623233	RBM18, MRRF, PTGS1, CR621498, OR1J1, AK123016	0	0.41	0.00	0.02
9q#126227_126349	9	123024380-124306592	1282213	3, CRB2, DENND1A, AK131516, LHX2, NEK6, PSMB7, G	0	0.41	0.00	0.02
9q#126177_126213	9	122657316-122918060	260745	123569, AL833177, MNAB, ZBTB6, ZBTB26, AK130011,	0	0.41	0.00	0.02
11q#147793_147806	11	101080549-101283876	203328	ANGPTL5	0	0.41	0.00	0.02
11q#147819_147856	11	101407249-101754554	347306	C11orf70, YAP1, BIRC3, BIRC2	0	0.41	0.00	0.02
11q#147807_147818	11	101292043-101399090	107048	ANGPTL5, KIAA1377	0	0.41	0.00	0.02
6q#87621_87627	6	83665926-83721410	55485	C6orf157	0	0.41	0.00	0.02
9q#125967_125985	9	120855660-121009461	153802	C5, AB209031, BC089415, CEP110	0	0.41	0.00	0.02
9q#126026_126049	9	121434462-121663919	229458	DAB2IP, BC089452	0	0.41	0.00	0.02

9q#125616_125870	9	116038477-119797210	3758734	PAPPA, ASTN2, TLR4, DBC1, CR594083	0	0.41	0.00	0.02
6q#87617_87620	6	83625458-83659113	33656	C6orf157	0	0.41	0.00	0.02
13q#162523_162584	13	24254020-24820088	566069	5328, AK094224, BC045677, FLJ25477, BC041392, BC0	0	0.41	0.00	0.02
6q#91778_91818	6	142327743-142768676	440934	AK097143, NMBR, C6orf55, GPR126	0	0.41	0.00	0.02
6q#90221_90227	6	122983890-123031454	47565	PKIB	0	0.41	0.00	0.02
6q#91246_91256	6	134827997-134947980	119984	AY944074	0	0.41	0.00	0.02
9q#125559_125571	9	115059550-115172503	112954	DEC1	0	0.41	0.00	0.02
9q#125613_125615	9	116012879-116032051	19173	PAPPA	0	0.41	0.00	0.02
6q#87605_87607	6	83162522-83271154	108633		0	0.41	0.00	0.02
13q#162591_162749	13	24872767-26241744	1368978	127263, ATP8A2, TMEEM46, RNF6, CDK8, WASF3, GPR	0	0.41	0.00	0.02
6q#91836_91858	6	143040376-143339728	299353	HIVEP2, CR936782, AK057490	0	0.41	0.00	0.02
9q#125572_125612	9	115181100-115999857	818758	DEC1, C9orf27, PAPPA	0	0.41	0.00	0.02
6q#87608_87616	6	83301479-83580835	279357		0	0.41	0.00	0.02
13q#162585_162590	13	24826609-24863464	36856		0	0.41	0.00	0.02
6q#91859_91961	6	143352078-144312890	960813	AK127263	0	0.41	0.00	0.02
4q#59307_59359	4	78564045-79142427	578383	861, AIG1, DEADC1, BC037955, PEX3, FUCA2, PHACT	0	0.41	0.00	0.02
4q#59277_59306	4	78320690-78555198	234509	BC006366, CXCL13, CNOT6L, MRPL1	0	0.41	0.00	0.02
18q#202352_202357	18	21673053-21821149	148097	AK097800, CCNI, BC006366, CCNG2	0	0.41	0.00	0.02
21q#218934_218960	21	28350511-28775601	425091	AK093119, BC047600	0	0.41	0.00	0.02
4q#58528_58533	4	70212435-70254741	42307	UGT2B11	0	0.41	0.00	0.02
4q#58575_58583	4	70793780-70896487	102708	SULT1B1, SULT1E1	0	0.41	0.00	0.02
22q#222476_222489	22	25894786-26259380	364595		0	0.41	0.00	0.02
4q#64502_64505	4	151099601-151148778	49178	LRBA	0	0.41	0.00	0.02
4q#64551_64565	4	151683642-151811816	128175		0	0.41	0.00	0.02
19p#207619_207636	19	10061011-10182958	121948	FLJ11286, AF230330, PPAN, P2RY11, EIF3S4, DNMT1	0	0.41	0.00	0.02
19q#209339_209340	19	36766026-36786790	20765		0	0.41	0.00	0.02
4q#64362_64389	4	149243849-149473330	229482	ARHGAP10, NR3C2	0	0.41	0.00	0.02
4q#64428_64501	4	150053209-151092754	1039546	BC040325, BC031092	0	0.41	0.00	0.02
21q#219867_219901	21	36406529-36656182	249654	BC037580, CBR3, DOPEY2, MORC3	0	0.41	0.00	0.02
4q#64566_64597	4	151821507-152068525	247019	LRBA	0	0.41	0.00	0.02
19p#207612_207618	19	10019842-10055892	36051	LOC388503	0	0.41	0.00	0.02
21q#219902_219954	21	36661584-37111688	450105	MORC3, CHAF1B, CLDN14, AJ566766, SIM2, HLCS	0	0.41	0.00	0.02
21q#220055_220161	21	37937257-38821026	883770	DSCR4, DSCR8, BC036237, Y13896, KCNJ15, AK0579	0	0.41	0.00	0.02
22q#221288_221292	22	15440208-15471468	31261	AK001299	0	0.41	0.00	0.02
22q#225087_225181	22	47033724-48109919	1076196	BC039396, FAM19A5, AK056844, BC037788	0	0.41	0.00	0.02
20p#213855_213870	20	14969851-15113480	143630	C20orf133	0	0.41	0.00	0.02
20p#213879_213962	20	15207265-16113894	906630	C20orf133	0	0.41	0.00	0.02
5p#67911_67913	5	6059485-6146298	86814		0	0.41	0.00	0.02
20p#213638_213656	20	12753858-13028649	274792	BC036700, C20orf38	0	0.41	0.00	0.02
20p#213963_213985	20	16161839-16374226	212388	C20orf23	0	0.41	0.00	0.02
5p#68472_68555	5	13988638-14854403	865766	Y050643, TRIO, FAM105A, AF052146, BC015392, FAM1	0	0.41	0.00	0.02
20p#213986_213993	20	16388428-16454812	66385	C20orf23	0	0.41	0.00	0.02
20p#214418_214422	20	21435699-21459089	23391	NKX2-2	0	0.41	0.00	0.02
1p#10230_10251	1	119131184-119334427	203244	TBX15, WARS2	0	0.41	0.00	0.02
20p#214598_214613	20	24015020-24421833	406814	AK090900, C20orf39	0	0.41	0.00	0.02
1p#10340_10341	1	120232261-120241767	9507	NOTCH2	0	0.41	0.00	0.02
1p#10293_10338	1	119811530-120214170	402641	PHGDH, HMGCS2, AY126670, REG4, AL833369, ADAM	0	0.41	0.00	0.02
13q#169180_169213	13	109223546-109615503	391958	IRS2, COL4A1	0	0.41	0.00	0.02
9p#118927_119004	9	4013519-4758803	745285	K075059, DQ438885, SLC1A1, C9orf68, CDC37L1, BX64	0	0.41	0.00	0.02
13q#169214_169234	13	109619927-109794305	174379	COL4A1, COL4A2	0	0.41	0.00	0.02
3p#45059_45062	3	83271733-83387231	115499		0	0.41	0.00	0.02
3p#44962_45050	3	81445353-82967383	1522031	GBE1, BC031255	0	0.41	0.00	0.02
3p#44924_44939	3	80296668-80698827	402160		0	0.41	0.00	0.02
3p#44954_44961	3	81171863-81408692	236830		0	0.41	0.00	0.02
4q#59670_59691	4	82713037-83134947	421911	RASGEF1B	0	0.41	0.00	0.02

3p#44808_44855	3	78894443-79331246	436804	ROBO1	0	0.41	0.00	0.02
3p#44940_44953	3	80752286-81144565	392280		0	0.41	0.00	0.02
4q#59692_59697	4	83160175-83339036	178862		0	0.41	0.00	0.02
5q#70963_70971	5	54496214-54539204	42991	FLJ37927	0	0.41	0.00	0.02
11p#142694_142702	11	41356610-41473447	116838	DQ084202	0	0.41	0.00	0.02
11p#142703_142704	11	41493214-41519727	26514		0	0.41	0.00	0.02
5q#72481_72555	5	75176977-75992864	815888	SV2C, AK094917, IQGAP2	0	0.41	0.00	0.02
16p#189049_189050	16	32545350-32553461	8112		0	0.41	0.00	0.02
16p#189051_189052	16	32561819-32745471	183653		0	0.41	0.00	0.02
16p#189070_189073	16	33507497-33533490	25994	BC012355	0	0.41	0.00	0.02
14q#175314_175331	14	78210891-78323489	112599	NRXN3	0	0.41	0.00	0.02
11q#146737_146750	11	86333471-86456477	123007	BC063022, FZD4, BC041984, TMEM135	0	0.41	0.00	0.02
19p#208617_208629	19	18251795-18348716	96922	JUND, LSM4, PGPEP1	0	0.41	0.00	0.02
19p#208658_208668	19	18556989-18639364	82376	CR604171, FLJ20850, CRLF1, C19orf4, KLHL26	0	0.41	0.00	0.02
7p#94368_94397	7	2034878-2253813	218936	FTSJ2, NUDT1, AL713633, SNX8, EIF3S9, CHST12, B	0	0.41	0.00	0.02
19p#208669_208676	19	18656972-18728694	71723	CRTC1	0	0.41	0.00	0.02
7p#94256_94257	7	1070801-1084530	13730		0	0.41	0.00	0.02
11q#143851_143877	11	58505185-58777247	272063	1446, FAM111B, AK124475, FAM111A, AB023154, AKO	0	0.41	0.00	0.02
6p#82300_82347	6	17925587-18332467	406881	KIF13A, S62904, NHLRC1, TPMT, AOF1, DEK	0	0.41	0.00	0.02
6p#82348_82353	6	18333444-18375127	41684	DEK	0	0.41	0.00	0.02
6p#82509_82638	6	20923547-22688282	1764736	CDKAL1, SOX4, AK026189, BC044235, PRL, HDGFL1	0	0.41	0.00	0.02
7p#94398_94411	7	2264912-2356689	91778	AK096284, LFN3, C7orf27	0	0.41	0.00	0.02
7p#94412_94432	7	2366841-2510989	144149	C7orf27, IQCE, TTYH3, AMZ1	0	0.41	0.00	0.02
19p#208548_208552	19	17767800-17788374	20575	B3GNT3, INSL3	0	0.41	0.00	0.02
11p#142576_142577	11	39662952-39686918	23967		0	0.41	0.00	0.02
11p#142464_142467	11	36455484-36475438	19955	AK128396, TRAF6	0	0.41	0.00	0.02
11p#142439_142463	11	36224782-36448292	223511	C11orf55, COMMD9, AK055042, FLJ14213	0	0.41	0.00	0.02
11p#141953_141967	11	30753121-30883272	130152	FLJ46154	0	0.41	0.00	0.02
3p#40750_40757	3	33744902-33830098	85197	PDCD6IP	0	0.41	0.00	0.02
3p#40676_40749	3	32992328-33733082	740755	GLB1, CRTAP, AB011099, FBXL2, UBP1, CLASP2	0	0.41	0.00	0.02
3p#40759_40776	3	33852573-34208222	355650	PDCD6IP	0	0.41	0.00	0.02
11q#146273_146275	11	81074720-81145017	70298		0	0.41	0.00	0.02
17p#194957_194959	17	20779671-20808304	28634	BC072410, BC043529	0	0.41	0.00	0.02
11q#146559_146585	11	84274441-84657420	382980	DLG2, CR749820	0	0.41	0.00	0.02
11q#146586_146611	11	84679674-84993486	313813	CR749820	0	0.41	0.00	0.02
17p#195017_195021	17	21357442-21393637	36196	BX640850	0	0.41	0.00	0.02
17p#194960_194968	17	20817703-20877247	59545	BC043529, AB028986	0	0.41	0.00	0.02
11q#146612_146630	11	85006318-85114863	108546	CR749820, TMEM126B, TMEM126A, ZF, CCDC89, SYTL	0	0.41	0.00	0.02
17p#194987_194994	17	21059131-211108926	49796	MGC33894	0	0.41	0.00	0.02
17p#195010_195016	17	21248682-21349060	100379	BC027982, KCNJ12	0	0.41	0.00	0.02
17p#194969_194973	17	20882716-20920696	37981	AB028986	0	0.41	0.00	0.02
11q#144372_144373	11	62704958-62708734	3777	LOC387601	0	0.41	0.00	0.02
7p#94258_94265	7	1094460-1167355	72896		0	0.41	0.00	0.02
7p#94619_94621	7	4213782-4250212	36431		0	0.41	0.00	0.02
7p#94704_94710	7	5027077-5052991	25915	WIPI2, BC009270	0	0.41	0.00	0.02
7p#94717_94723	7	5143987-5191245	47259	AB058759	0	0.41	0.00	0.02
7p#94742_94752	7	5325583-5399918	74336	FBXL18, BC033371, CR597103	0	0.41	0.00	0.02
11q#143831_143848	11	58353981-58484160	130180	GLYATL2, AF087878, GLYATL1, AK091446	0	0.41	0.00	0.02
11q#143764_143786	11	57729742-57893896	164155	OR10W1, LOC399898, OR5B17	0	0.41	0.00	0.02
7p#94588_94618	7	3911149-4194273	283125	SDK1	0	0.41	0.00	0.02
7p#94669_94697	7	4694878-4948082	253205	_J10324, AK094524, MMD2, BC068459, BC071642, RBA	0	0.41	0.00	0.02
7p#94724_94741	7	5206590-5321638	115049	BC029940, BC036932, FBXL18	0	0.41	0.00	0.02
11q#143742_143763	11	57588112-57724282	136171	OR9Q1	0	0.41	0.00	0.02
11q#143787_143802	11	57907982-58024861	116880	OR5B12	0	0.41	0.00	0.02
11q#143803_143809	11	58033198-58086124	52927	LPXN	0	0.41	0.00	0.02

15q#183105_183119	15	70804042-71015488	211447	BBS4, ADPGK, AK127877	0	0.41	0.00	0.02
15q#183135_183167	15	71211671-71466044	254374	NEO1, HCN4	0	0.41	0.00	0.02
15q#183213_183235	15	71933145-72060140	126996	TBC1D21, AK056885, LOXL1	0	0.41	0.00	0.02
15q#183236_183255	15	72069623-72258954	189332	STOML1, PML, BC050067, ISLR2, ISLR, STRA6	0	0.41	0.00	0.02
15q#183256_183258	15	72263544-72272817	9274	STRA6	0	0.41	0.00	0.02
7p#94474_94476	7	2863783-2879830	16048		0	0.41	0.00	0.02
7p#94477_94481	7	2887836-2940681	52846	AK000831	0	0.41	0.00	0.02
7p#94483_94487	7	2963249-3014400	51152	BC038729	0	0.41	0.00	0.02
11q#146279_146287	11	81283404-81400988	117585	BC041900	0	0.41	0.00	0.02
7p#96427_96428	7	26871427-26885882	14456		0	0.41	0.00	0.02
7p#96470_96500	7	27097184-27470405	373222	G36716, HIBADH	0	0.41	0.00	0.02
19q#212197_212212	19	61543352-61664042	120691	232, ZNF542, ZNF582, BC040939, ZNF583, AL833236, 4	0	0.41	0.00	0.02
7p#94884_94885	7	6550482-6558027	7546	BC041364	0	0.41	0.00	0.02
7p#96315_96426	7	25632308-26851043	1218736	42B1, BX641084, CBX3, SNX10, AK056484, D42038, BX	0	0.41	0.00	0.02
7p#96429_96443	7	26892332-26950189	57858	HOXA1, HOXA2, HOXA3, HOXA4	0	0.41	0.00	0.02
7p#96457_96458	7	26994398-27000165	5768	HOXA11, BC025338	0	0.41	0.00	0.02
7p#96459_96461	7	27003431-27011111	7681	HOXA13	0	0.41	0.00	0.02
7p#96462_96464	7	27020095-27031956	11862		0	0.41	0.00	0.02
7p#96465_96469	7	27043111-27071650	28540	EVX1	0	0.41	0.00	0.02
19q#212092_212099	19	60632058-60675272	43215	LOC284296, ISOC2	0	0.41	0.00	0.02
19q#212139_212196	19	60930583-61530330	599748	NALP4, NALP13, NALP8, NALP5, BC040925, LOC1262	0	0.41	0.00	0.02
19q#212434_212456	19	63505742-63632538	126797	R2, A1BG, ZNF497, BC029960, RPS5, AK096324, ZNF5	0	0.41	0.00	0.02
11q#146304_146308	11	81632029-81690960	58932	BC041900	0	0.41	0.00	0.02
19q#212124_212138	19	60835668-60920089	84422	ZNF580, ZNF581, CCDC106, U2AF2, EPN1, NALP9	0	0.41	0.00	0.02
5p#69933_69969	5	36706936-37157689	450754	SLC1A3, AK000901, NIPBL, FLJ13231	0	0.41	0.00	0.02
5p#70009_70024	5	37530696-37670331	139636	WDR70	0	0.41	0.00	0.02
5p#70534_70545	5	44270163-44396686	126524	FGF10	0	0.41	0.00	0.02
5p#70565_70569	5	44812420-44849062	36643	MRPS30	0	0.41	0.00	0.02
6p#83773_83774	6	32654432-32660134	5703	BC003593, HLA-DRB1	0	0.41	0.00	0.02
3q#52921_53123	3	187953483-18992710	2039228	RTP1, AK127178, MASP1, CR620263, RTP4, AK127405,	0	0.41	0.00	0.02
3q#53502_53511	3	194910863-195019737	108875		0	0.41	0.00	0.02
1p#10344_10345	1	120405944-120719037	313094	AK022804, AK127439	0	0.41	0.00	0.02
1p#10252_10289	1	119346143-119774161	428019	063600, BC043601, AK125759, HAO2, HSD3B2, CR6274	0	0.41	0.00	0.02
1p#10342_10343	1	120313797-120384679	70883	NOTCH2	0	0.41	0.00	0.02
1p#10290_10292	1	119783556-119804812	21257		0	0.41	0.00	0.02
20p#213660_213675	20	13068565-13297737	229173	AK075271	0	0.41	0.00	0.02
20p#213751_213822	20	14014301-14648099	633799	C20orf133	0	0.41	0.00	0.02
20p#213829_213845	20	14710983-14876627	165645	C20orf133	0	0.41	0.00	0.02
20p#213657_213659	20	13036303-13062960	26658	AK075271	0	0.41	0.00	0.02
20p#213676_213750	20	13318091-14000370	682280	BC025266, AK022670, C20orf6, C20orf7, AL137678, C2	0	0.41	0.00	0.02
20p#213846_213854	20	14884522-14963311	78790	C20orf133	0	0.41	0.00	0.02
20p#213871_213878	20	15125669-15198224	72556	C20orf133	0	0.41	0.00	0.02
20p#213823_213828	20	14661027-14704452	43426	C20orf133	0	0.41	0.00	0.02
5p#67897_67910	5	5565815-6035901	470087		0	0.41	0.00	0.02
20p#213633_213637	20	12615562-12704783	89222		0	0.41	0.00	0.02
5p#68556_68770	5	14864867-17549677	2684811	0337, BC043001, BC042074, ZNF622, FLJ20152, AK09	0	0.41	0.00	0.02
5p#68777_68790	5	17685501-17910433	224933	BC028204	0	0.41	0.00	0.02
5p#69456_69470	5	31457116-31586180	129065	RNASEN, C5orf22	0	0.41	0.00	0.02
5p#68771_68776	5	17559190-17675026	115837		0	0.41	0.00	0.02
5p#68791_68807	5	17924026-18415047	491022	BC028204	0	0.41	0.00	0.02
5p#69471_69484	5	31595763-31746198	150436	AB002298	0	0.41	0.00	0.02
5p#69485_69517	5	31763911-32008600	244690	AB002298, PDZD2	0	0.41	0.00	0.02
16p#189054_189058	16	33205648-33298945	93298	BC012355	0	0.41	0.00	0.02
16p#189059_189068	16	33300400-33486966	186567	BC012355	0	0.41	0.00	0.02
14q#175307_175313	14	78146680-78199436	52757	NRXN3	0	0.41	0.00	0.02

13q#165493	165499	13	55404411-55520279	115869				0	0.41	0.00	0.02
14q#174691	174715	14	72989348-73147915	158568	AK05876, MGC48595, AK093131, ACOT2, ACOT4, AK			0	0.41	0.00	0.02
13q#169294	169310	13	110240256-110364081	123826	AK057970, LOC283487, ANKRD10			0	0.41	0.00	0.02
11q#147492	147501	11	96352481-96647243	294763				0	0.41	0.00	0.02
9q#123459	123507	9	91656415-92114843	458429	ROR2, SPTLC1, AY786555, AK023662, IARS			0	0.41	0.00	0.02
11q#146777	146781	11	86719197-86822182	102986				0	0.41	0.00	0.02
13q#168981	169044	13	106729235-107606327	877093	L10374			0	0.41	0.00	0.02
13q#169088	169090	13	108107092-108125196	18105	MYR8			0	0.41	0.00	0.02
11q#147232	147274	11	93079305-93553751	474447	AB051518, JOSD3, C11orf54, CRSP6, AF086184, PANX			0	0.41	0.00	0.02
11q#147288	147368	11	93778598-94550683	772086	AMOTL1, AK074084, HSPC148, JMJD2D, SRP46, BC0			0	0.41	0.00	0.02
13q#165451	165474	13	54222108-54857524	635417				0	0.41	0.00	0.02
13q#169274	169293	13	110083989-110231103	147115	FLJ10769, FLJ12118, ING1, AK057970			0	0.41	0.00	0.02
13q#169311	169359	13	110372035-110794357	422323	BC040271, ARHGFE7, C13orf16			0	0.41	0.00	0.02
11q#146707	146720	11	85970219-86135323	165105	ME3			0	0.41	0.00	0.02
11q#146721	146731	11	86163054-86264584	101531	PRSS23, BC063022			0	0.41	0.00	0.02
11q#146766	146776	11	86625278-86711426	86149	TMEM135			0	0.41	0.00	0.02
13q#169091	169141	13	108133592-108553839	420248	MYR8			0	0.41	0.00	0.02
11q#147482	147491	11	96028955-96313858	284904	BC033698			0	0.41	0.00	0.02
11q#147502	147526	11	96666462-97475807	809346				0	0.41	0.00	0.02
11q#147148	147231	11	92037259-93072585	1035327	NR1B, SLC36A4, CCDC67, AK127973, AK058122, C11o			0	0.41	0.00	0.02
11q#147275	147287	11	93565607-93766361	200755	GPR83			0	0.41	0.00	0.02
9p#118693	118712	9	1467660-1714106	246447				0	0.41	0.00	0.02
13q#165674	165680	13	59345485-59396931	51447	DIAPH3			0	0.41	0.00	0.02
9p#119069	119074	9	5298149-5338628	40480	RLN1			0	0.41	0.00	0.02
11q#146276	146278	11	81192409-81259800	67392				0	0.41	0.00	0.02
11q#146309	146312	11	81709130-81767955	58826	BC041900			0	0.41	0.00	0.02
11q#146684	146706	11	85750119-85955000	204882	CCDC81, AK091677, ME3			0	0.41	0.00	0.02
11q#146732	146736	11	86285351-86328652	43302	BC063022			0	0.41	0.00	0.02
13q#169235	169246	13	109800564-109877083	76520	COL4A2			0	0.41	0.00	0.02
11q#146754	146765	11	86502317-86615409	113093	TMEM135			0	0.41	0.00	0.02
11q#147086	147147	11	90873318-92011130	1137813	AK054903, BC016722			0	0.41	0.00	0.02
13q#166967	166977	13	79473922-79746297	272376				0	0.41	0.00	0.02
9p#119005	119068	9	4771753-5289996	518244	IPF1			0	0.41	0.00	0.02
9p#119075	119120	9	5342284-5758631	416348	RCL1, AK021739, JAK2, INSL6, INSL4, RLN2			0	0.41	0.00	0.02
13q#162772	162856	13	26577826-27352729	774904	prf46, BC036853, CD274, PDCCD1LG2, AL136875, KIAA1			0	0.41	0.00	0.02
13q#162857	162860	13	27366603-2739046	22444	1, RASL11A, D32257, MTIF3, AK095319, LNX2, MGC98			0	0.41	0.00	0.02
13q#162861	162867	13	27392825-27418025	25201	CR593175			0	0.41	0.00	0.02
13q#162373	162400	13	2281106-23129297	318192	IPF1			0	0.41	0.00	0.02
11q#146631	146635	11	85122920-85154992	32073	SACS, AK125458, AY927572, TNFRSF19			0	0.41	0.00	0.02
13q#162309	162322	13	21645528-21893869	248342	SYTL2, AB046817			0	0.41	0.00	0.02
17p#194995	194998	17	21119904-21139998	20095	AK054845			0	0.41	0.00	0.02
11p#140722	140741	11	14006011-14190321	184311	MAP2K3			0	0.41	0.00	0.02
13q#169247	169272	13	109883012-110067979	184968	SPON1			0	0.41	0.00	0.02
17p#194750	194774	17	18063385-18224340	160956	COL4A2, RAB20, FLJ10769			0	0.41	0.00	0.02
13q#162750	162771	13	26246516-26570447	323932	FLJ1, SMCR7, AF147387, TOP3A, SMCR8, SHMT1, AK			0	0.41	0.00	0.02
13q#162868	162870	13	27423848-27435077	11230	USP12			0	0.41	0.00	0.02
13q#162871	162878	13	27436123-27476168	40046	CDX2			0	0.41	0.00	0.02
5q#70972	71026	5	54545977-55008726	462750	CDX2, FLT3			0	0.41	0.00	0.02
13q#162323	162328	13	21928179-22103149	174971	UNG2, DHX29, SKIV2L2, PPAP2A, FLJ90709			0	0.41	0.00	0.02
13q#162329	162335	13	22122951-22312397	189447				0	0.41	0.00	0.02
17p#194974	194986	17	20938874-21054193	115320	DHRS7B, TMEM11			0	0.41	0.00	0.02
17p#194999	195009	17	21147675-21238771	91097	MAP2K3, BC027982			0	0.41	0.00	0.02
5p#70468	70484	5	43330593-43489851	159259	HMGCS1, CCL28, FLJ21657			0	0.41	0.00	0.02
11p#140742	140794	11	14197308-14725540	528233	SPON1, BC041974, RRAS2, COPB, PSMA1, PDE3B			0	0.41	0.00	0.02
12p#152622	152633	12	19494028-19636000	141973	AEBP2			0	0.41	0.00	0.02

2q#37109_37181	2	233200800-233780794	579995	25362, EIF4E2, AB209519, EFHD1, TNRC15, BC049848	0	0.41	0.00	0.02
2q#37190_37209	2	233880367-234062659	182293	INPP5D, ATG16L1, SAG, DGKD	0	0.41	0.00	0.02
11p#140795_140832	11	14737533-15080139	342607	PDE3B, CYP2R1, AK054728, CALCA, CALCB	0	0.41	0.00	0.02
11p#140849_140929	11	15253180-16589770	1336591	SOX6, AK097455	0	0.41	0.00	0.02
4q#59274_59276	4	78293144-78313618	20475	Sep-11	0	0.41	0.00	0.02
4q#58493_58513	4	69842813-70103889	261077	UGT2B10, UGT2A3	0	0.41	0.00	0.02
4q#59204_59264	4	77619788-78203534	583747	FLJ25770, SHRM, AK097800	0	0.41	0.00	0.02
5p#69533_69534	5	32160716-32166091	5376	GOLPH3	0	0.41	0.00	0.02
5p#69535_69632	5	32171523-33227663	1056141	OLPH3, MTMR12, ZFR, SUB1, AK022112, NPR3, C5orf4	0	0.41	0.00	0.02
5p#69633_69705	5	33239915-33970653	730739	AK022112, TARS, ADAMTS12	0	0.41	0.00	0.02
5p#69706_69839	5	33976160-35722016	1745857	N14, FLJ25439, AK058168, AK125316, RAD1, BXDC2, L	0	0.41	0.00	0.02
5p#69840_69916	5	35736339-36344637	608299	APSL, UGT3A1, AK091977, UGT3A2, LMBRD2, SKP2, F	0	0.41	0.00	0.02
5p#69970_69984	5	37167238-37316881	149644	FLJ13231, AL832176	0	0.41	0.00	0.02
5p#70025_70435	5	37684272-43011119	5326848	P61, PTGER4, CR598481, OSRF, PRKAA1, RPL37, CAR	0	0.41	0.00	0.02
5p#70460_70467	5	43259734-43325817	66084	MGC42105, HMGCS1	0	0.41	0.00	0.02
17p#194655_194666	17	17167647-17304918	137272	NT5M	0	0.41	0.00	0.02
20p#213589_213632	20	11770146-12598032	827887	BTBD3	0	0.41	0.00	0.02
2q#35215_35219	2	212469257-212504839	35583	ERBB4	0	0.41	0.00	0.02
2q#35220_35224	2	212512975-212544505	31531	ERBB4	0	0.41	0.00	0.02
4q#60553_60562	4	92546213-92610965	64753	AB051467	0	0.41	0.00	0.02
4q#60608_60613	4	93421750-93559460	137711		0	0.41	0.00	0.02
2q#37348_37351	2	235959412-236075032	115621		0	0.41	0.00	0.02
11p#140998_141015	11	17262725-17414688	151964	VUUB2, AK097398, DKFZp686O24166, KCNJ11, ABCC8	0	0.41	0.00	0.02
21q#218961_219021	21	28788834-29403180	614347	PO, HEMK2, ZNF294, C21orf6, USP16, CCT8, AF269161,	0	0.41	0.00	0.02
21q#219127_219131	21	30384671-30450079	65409	AY063454	0	0.41	0.00	0.02
4q#58514_58527	4	70114224-70205337	91114	UGT2B7	0	0.41	0.00	0.02
4q#58554_58565	4	70531632-70664058	132427	UGT2B4, UGT2A1	0	0.41	0.00	0.02
4q#58566_58574	4	70669372-70777064	107693	UGT2A1, SUL1B1	0	0.41	0.00	0.02
4q#59184_59199	4	77424156-77577990	153835	NUP54, SCARB2, AK124936, AK092277	0	0.41	0.00	0.02
4q#59200_59203	4	77586278-77604190	17913	GENX-3414, FLJ25770	0	0.41	0.00	0.02
5p#69438_69455	5	31255681-31448662	192982	CDH6, RNASEN	0	0.41	0.00	0.02
5p#70485_70486	5	43494927-43511701	16775	FLJ21657	0	0.41	0.00	0.02
5p#70502_70533	5	43636806-44244917	608112	AK096668, NNT	0	0.41	0.00	0.02
5p#70570_70647	5	44856115-46150843	1294729	BX537747, HCN1	0	0.41	0.00	0.02
11q#144191_144193	11	61366393-61391419	25027	FADS2	0	0.41	0.00	0.02
4q#58551_58553	4	70511259-70526940	15682	UGT2B4	0	0.41	0.00	0.02
4q#59265_59273	4	78215581-78287999	72419	AK097800, SEPT11	0	0.41	0.00	0.02
4q#59509_59513	4	80785152-80847631	62480	CR607602	0	0.41	0.00	0.02
12p#151535_151564	12	7689477-7859361	169885	L26234, GDF3, DPPA3, CLEC4C, AY151739, NANOG,	0	0.41	0.00	0.02
12p#151565_151573	12	7865499-7944727	79229	SLC2A14, AK097770	0	0.41	0.00	0.02
12p#151574_151585	12	7956956-8062485	105530	SLC2A3	0	0.41	0.00	0.02
12p#151600_151615	12	8136632-8472043	335412	NECAP1, CLEC4A, AK096301, LOC389634, BC004857	0	0.41	0.00	0.02
4q#58549_58550	4	70485049-70501354	16306		0	0.41	0.00	0.02
4q#59514_59519	4	80880283-81021004	140722		0	0.41	0.00	0.02
4q#59520_59532	4	81064847-81213243	148397	AK056825, ANTXR2	0	0.41	0.00	0.02
4q#59533_59545	4	81230118-81341711	111594	ANTXR2	0	0.41	0.00	0.02
4q#59546_59551	4	81347692-81431238	83547	ANTXR2	0	0.41	0.00	0.02
12p#151586_151599	12	8068318-8129339	61022	FOXJ2, CR609272, C3AR1, AK092229, NECAP1	0	0.41	0.00	0.02
4q#58536_58539	4	70305861-70347893	42033	UGT2B28	0	0.41	0.00	0.02
4q#58545_58547	4	70410860-70445775	34916		0	0.41	0.00	0.02
4q#60614_60622	4	93571016-93653977	82962	GRID2	0	0.41	0.00	0.02
4q#60708_60755	4	94448949-94904694	455746	GRID2	0	0.41	0.00	0.02
4q#60776_60788	4	95108274-95412821	304548	ATOH1, BC014345	0	0.41	0.00	0.02
11p#141968_141978	11	30889416-31002422	113007	FLJ46154	0	0.41	0.00	0.02
11p#141979_142094	11	31009421-32326783	1317363	K126066, DCDC1, ZCSL3, MMP1L, ELP4, PAX6, BX64	0	0.41	0.00	0.02

11p#142095_142230	11	32344536-33754164	1409629	1, DEPDC7, TCP11L1, AK021448, CSTF3, BC043375, Y	0	0.41	0.00	0.02
2q#37352_37365	2	236104428-236277709	173282	CENTG2	0	0.41	0.00	0.02
21q#219022_219126	21	29414744-30357738	942995	C21orf7, AF490769, BACH1, GRIK1	0	0.41	0.00	0.02
5p#69400_69406	5	30148340-30343513	195174		0	0.41	0.00	0.02
5p#69407_69409	5	30385731-30449575	63845		0	0.41	0.00	0.02
5p#69427_69437	5	31053949-31244676	190728	CDH6	0	0.41	0.00	0.02
5p#69985_69990	5	37327849-37367669	39821	NUP155	0	0.41	0.00	0.02
5p#69991_70004	5	37378446-37510249	131804	NUP155, WDR70	0	0.41	0.00	0.02
5p#70436_70459	5	43030170-43246375	216206	BC046188, CR615733, AK075204, ZNF131, MGC42105	0	0.41	0.00	0.02
6p#81638_81652	6	9943691-10085779	142089	AF520803, OFCC1	0	0.41	0.00	0.02
11q#144188_144190	11	61339118-61354681	15564	FADS1, AF108658, FADS2	0	0.41	0.00	0.02
19q#209332_209333	19	36524581-36537564	12984	BX648745	0	0.41	0.00	0.02
19q#209334_209337	19	36561816-36690656	128841		0	0.41	0.00	0.02
1p#10216_10229	1	118598907-119105374	506468		0	0.41	0.00	0.02
4q#60836_60862	4	95953117-96198590	245474	BMPR1B	0	0.41	0.00	0.02
4q#64506_64550	4	151164710-151677209	512500	DCAMKL2, LRBA	0	0.41	0.00	0.02
4q#64598_64607	4	152076420-152187271	110852	LRBA	0	0.41	0.00	0.02
19p#208578_208616	19	18000193-18251758	251566	1, PIK3R2, IFI30, FKSG24, RAB3A, PDE4C, AK095384, A	0	0.41	0.00	0.02
4q#58540_58544	4	70353306-70401904	48599		0	0.41	0.00	0.02
4q#60756_60775	4	94912134-95099988	187855	GRID2	0	0.41	0.00	0.02
4q#60789_60822	4	95443861-95820977	377117	BC014345, SMARCAD1, PGDS, PDLIM5	0	0.41	0.00	0.02
5p#69527_69532	5	32098707-32153004	54298	PDZD2	0	0.41	0.00	0.02
7p#94358_94361	7	1947871-1973944	26074	MAD1L1	0	0.41	0.00	0.02
7p#94362_94367	7	1981179-2030948	49770	MAD1L1	0	0.41	0.00	0.02
15q#180012_180020	15	41682937-41738012	55076	STRC, BC050263, CATSPER2	0	0.41	0.00	0.02
7p#94266_94285	7	1180344-1355114	174771	991986, MICAL-L2, AB037861, AK128368, AK093809, M	0	0.41	0.00	0.02
1p#8370_8387	1	94043653-94173790	130138	DNTTIP2, GCLM, ABCA4	0	0.41	0.00	0.02
5p#70488_70501	5	43522837-43627383	104547	FLJ32363, PAIP1, AK096668	0	0.41	0.00	0.02
6p#81630_81637	6	9878625-9932751	54127	AF520803	0	0.41	0.00	0.02
6p#81653_81671	6	10097246-10277178	179933	OFCC1, AF520801	0	0.41	0.00	0.02
6p#81717_81923	6	10672237-13059520	2387284	ELOVL2, BC038757, AK058186, HERV-FRD, NEDD9, B	0	0.41	0.00	0.02
7p#94543_94551	7	3554748-3608113	53366	SDK1	0	0.41	0.00	0.02
7p#94552_94556	7	3614136-3657771	43636	SDK1	0	0.41	0.00	0.02
7p#94622_94634	7	4260544-4420831	160288		0	0.41	0.00	0.02
7p#94652_94666	7	4575500-4679435	103936	FOXK1, KIAA0415, FLJ10324	0	0.41	0.00	0.02
7p#94753_94756	7	5404880-5425417	20538	FSCN1	0	0.41	0.00	0.02
7p#96448_96450	7	26971819-26975411	3593	HoxA9	0	0.41	0.00	0.02
4q#64359_64361	4	149206038-149234144	28107	ARHGAP10	0	0.41	0.00	0.02
1p#10197_10204	1	118321430-118377943	56514	SPAG17	0	0.41	0.00	0.02
1p#10205_10213	1	118384604-118501537	116934	SPAG17	0	0.41	0.00	0.02
4q#60823_60835	4	95826323-95942588	116266	PDLIM5	0	0.41	0.00	0.02
7p#94355_94357	7	1913800-1933626	19827	MAD1L1	0	0.41	0.00	0.02
11q#143728_143741	11	57424810-57581719	156910	OR9Q1	0	0.41	0.00	0.02
11q#143823_143825	11	58236785-58254206	17422	GLYAT	0	0.41	0.00	0.02
1p#7547_7623	1	84288151-85006561	718411	13, DNASE2B, BXDC5, GNG5, SPATA1, CTBS, C1orf18	0	0.41	0.00	0.02
1p#8388_8450	1	94186344-94975021	788678	ABCA4, ARHGAP29, ABCD3, F3, AK024564, BC030750	0	0.41	0.00	0.02
1p#6512_6526	1	68563579-68675334	111756	RPE65, DEPDC1, BC016787	0	0.41	0.00	0.02
1p#7624_7628	1	85012134-85043857	31724	EDG7	0	0.41	0.00	0.02
1p#10214_10215	1	118529216-118558518	29303		0	0.41	0.00	0.02
3q#53485_53501	3	194763875-194903305	139431	OPA1	0	0.41	0.00	0.02
5p#69410_69426	5	30493484-30997233	503750		0	0.41	0.00	0.02
5p#69518_69526	5	32019048-32088455	69408	PDZD2	0	0.41	0.00	0.02
6p#81619_81629	6	9742388-9868679	126292	AF520803	0	0.41	0.00	0.02
6p#81970_82010	6	13463935-13817981	354047	GFOD1, SIRT5, NOLT, AF329101, RANBP9	0	0.41	0.00	0.02
6p#82024_82118	6	13949149-15572072	1622924	AF329101, RNF182, CD83, JARID2	0	0.41	0.00	0.02

6p#82119	82141	6	15584126-15939377	355252	JARID2, DTNBP1	0	0.41	0.00	0.02
6p#82142	82165	6	15979132-16362778	383647	MYLIP, GMPR	0	0.41	0.00	0.02
6p#82166	82211	6	16373136-16784661	411526	GMPR, ATXN1	0	0.41	0.00	0.02
6p#82257	82299	6	17520896-17919869	398974	CAP2, FAM8A1, NUP153, AJ291579, KIF13A	0	0.41	0.00	0.02
6p#82639	82671	6	22700624-23514641	814018	CR614876	0	0.41	0.00	0.02
6p#82672	82689	6	23544950-23968060	423111		0	0.41	0.00	0.02
7p#94286	94287	7	1355712-1355801	90	MAFK	0	0.41	0.00	0.02
7p#94288	94354	7	1359084-1899889	540806	MGC9712, MGC10911, AK054665, MAD1L1	0	0.41	0.00	0.02
7p#94433	94437	7	2520185-2541941	21757	AMZ1, AK127523, GNA12	0	0.41	0.00	0.02
7p#94438	94459	7	2554758-2740825	186068	GNA12, CARD11	0	0.41	0.00	0.02
7p#94460	94466	7	2748559-2798754	50196	CARD11	0	0.41	0.00	0.02
7p#94467	94473	7	2804580-2856862	52283	CARD11	0	0.41	0.00	0.02
7p#94493	94542	7	3109008-3546151	437144	SDK1	0	0.41	0.00	0.02
7p#94557	94586	7	3662837-3898369	235533	SDK1	0	0.41	0.00	0.02
7p#94635	94650	7	4427761-4558896	131136	BC038434, FOXK1	0	0.41	0.00	0.02
7p#94667	94668	7	4683796-4689552	5757	FLJ10324	0	0.41	0.00	0.02
7p#94698	94703	7	4959896-5015030	55135	WIPI2	0	0.41	0.00	0.02
7p#94757	94851	7	5433110-6304874	871765	A, PMS2, JTV1, EIF2AK1, BC044242, USP42, PSCD3, N	0	0.41	0.00	0.02
7p#94852	94867	7	6311767-6414987	103221	BC044242, ZDHHC4, C7orf26	0	0.41	0.00	0.02
7p#94868	94872	7	6421519-6446789	25271	C7orf26, AL133055	0	0.41	0.00	0.02
7p#94873	94874	7	6453001-6463330	10330		0	0.41	0.00	0.02
7p#94875	94879	7	6468542-6500143	31602	AL832182, AK123300	0	0.41	0.00	0.02
7p#94880	94883	7	6505070-6528782	23713	ZNF12, BC041364	0	0.41	0.00	0.02
7p#96445	96447	7	26959012-26967725	8714	HOXA6, AK091933, HOXA7	0	0.41	0.00	0.02
7p#96451	96455	7	26976021-26987201	11181	HOXA9, U41813, HOXA10	0	0.41	0.00	0.02
11q#143810	143818	11	58094577-58167973	73397	LPXN, BC034230, ZFP91	0	0.41	0.00	0.02
11q#143819	143822	11	58178106-58226741	48636		0	0.41	0.00	0.02
11q#143826	143829	11	58260580-58329026	68447		0	0.41	0.00	0.02
19p#208553	208577	19	17790022-17985934	195913	JAK3, RPL18A, SLC5A5, J03909, LOC115098, KCNN1, 4	0	0.41	0.00	0.02
19q#212457	212467	19	63636407-63691655	55249	MF132, BX649129, FLJ45850, ZNF324, ZNF446, AL8339	0	0.41	0.00	0.02
22q#225251	225268	22	48672939-48817751	144813	PIM3, BC032894, FLJ41993, MLC1	0	0.41	0.00	0.02
11q#144965	144966	11	66809520-66816515	6996	ADRBK1, ANKRD13D	0.499123719	0.440459431	0.05	0.10
11q#144985	144991	11	66926401-66952827	26427	AK098311, TBC1D10C, AB037815, RPS6KB2	0.499123719	0.440459431	0.05	0.10
11q#144992	144997	11	66960462-66977781	17320	PTPRCAP, CORO1B, BC033167	0.499123719	0.440459431	0.05	0.10
11q#146154	146155	11	78090143-78100691	10549	BX640737, AB037723	0.499123719	0.440459431	0.05	0.10
11q#146148	146153	11	78005966-78077557	71592	BX640737	0.499123719	0.440459431	0.05	0.10
11q#146221	146223	11	79188820-79242388	53569		0.499123719	0.440459431	0.05	0.10
1q#15552	15562	1	200637253-200782080	144828	C1orf157, SOX13	0.499123719	0.440459431	0.05	0.10
1q#15906	15936	1	203666102-204032747	366646	C4BPA, CD55, CR2	0.499123719	0.440459431	0.05	0.10
1q#15803	15809	1	202972092-203034136	62045	SRGAP2, IKBKE	0.499123719	0.440459431	0.05	0.10
1q#15801	15802	1	202928411-202959712	31302	SRGAP2	0.499123719	0.440459431	0.05	0.10
1q#15810	15833	1	203040278-203202812	162535	IKBKE, RASSF5, LGTN, DYRK3	0.499123719	0.440459431	0.05	0.10
1q#15873	15905	1	203482758-203658369	175612	AIM3, FIGR, FCAMR, C1orf116, YOD1, PFKFB2, C4BPA	0.499123719	0.440459431	0.05	0.10
1q#15834	15872	1	203210762-203479112	268351	RK3, BC037269, MAPKAPK2, IL10, IL19, IL20, IL24, FA	0.499123719	0.440459431	0.05	0.10
17q#198365	198368	17	55106815-55129503	22689	CLTC, PTRH2	0.527128556	0.48097315	0.07	0.12
8q#111083	111085	8	47740011-47792940	52930		0.527128556	0.48097315	0.07	0.12
17q#198369	198372	17	55137260-55163653	26394	PTRH2, TMEM49	0.527128556	0.48097315	0.07	0.12
11q#146078	146086	11	77410737-77458718	47982	KCTD14, THRSP, NDUFC2	0.527128556	0.48097315	0.07	0.12
11q#146087	146088	11	77466993-77475923	8931	NDUFC2	0.527128556	0.48097315	0.07	0.12
11q#146089	146106	11	77484433-77595127	110695	ALG8, AK124949, LOC283219, AK056231	0.527128556	0.48097315	0.07	0.12
11q#146137	146139	11	77881751-77900877	19127	NARS2	0.527128556	0.48097315	0.07	0.12
16p#186702	186703	16	4726037-4732273	6237	LOC146562	Inf	0.511313131	0.03	0.00
14q#177920	177923	14	106223137-106240402	17266	Z47244	Inf	0.511313131	0.03	0.00
17q#196451	196458	17	35742720-35775233	32514	RARA, GJC1, AK098252	Inf	0.511313131	0.03	0.00
17q#195449	195452	17	25790102-25816199	26098	CPD	Inf	0.511313131	0.03	0.00

16p#186697_186701	16	4679054-4717818	38765	MGRN1, NUDT16L1, ANKS3	Inf	0.511313131	0.03	0.00
16p#186704_186717	16	4736324-4805782	69459	DC146562, ZNF500, AK128595, FLJ25410, ROGDI, N-PA	Inf	0.511313131	0.03	0.00
16p#186512_186527	16	3241774-332430	90657	MEFV, AK127383, ZNF263, AF251050, TIGD7, ZNF75A	Inf	0.511313131	0.03	0.00
16p#186631_186632	16	4204336-4214374	10039	AL832361	Inf	0.511313131	0.03	0.00
16p#186633_186637	16	4226109-4247745	21637	AL832361, AK094828, TFP4	Inf	0.511313131	0.03	0.00
16p#186638_186648	16	4252044-4327623	75580	TFAP4, AK126918, GLIS2	Inf	0.511313131	0.03	0.00
16p#186620_186630	16	4083178-4187804	104627	ADCY9, AL832361	Inf	0.511313131	0.03	0.00
17q#195919_195943	17	30443456-30636729	193274	1, RAD51L3, FNDC8, NLE1, UNC45B, AMAC1, AK09712	Inf	0.511313131	0.03	0.00
17q#196189_196192	17	33262754-33323031	60278	AK094896	Inf	0.511313131	0.03	0.00
16p#187460_187470	16	13923497-14061860	138364	ERCC4	Inf	0.511313131	0.03	0.00
1q#10468_10489	1	143778321-143963591	185271	AF419616, PRKAB2, FMO5, CHD1L	Inf	0.511313131	0.03	0.00
17q#195908_195918	17	30356174-30438713	82540	AK127668, RFFL	Inf	0.511313131	0.03	0.00
17q#195884_195907	17	29973267-30346602	373336	TMEM132E, CCT6B, CCDC16, LIG3	Inf	0.511313131	0.03	0.00
16p#187737_187768	16	17761921-18751926	990006	AK023376, AF116698, RPS15A, ARL6IP, SMG1	Inf	0.511313131	0.03	0.00
16p#187679_187736	16	17081126-17733983	652858	XYLT1	Inf	0.511313131	0.03	0.00
16p#187769_187770	16	18760527-18766731	6205	SMG1	Inf	0.511313131	0.03	0.00
16p#187771_187773	16	18772626-18808869	36244	SMG1	Inf	0.511313131	0.03	0.00
16p#187858_187911	16	19547433-20234339	686907	SC16824, AF202640, MGC35048, GPRC5B, GPR139, G	Inf	0.511313131	0.03	0.00
16p#187945_187946	16	20631832-20639823	7992	DNAH3, LOC57146	Inf	0.511313131	0.03	0.00
16p#187999_188007	16	21055287-21110406	55120		Inf	0.511313131	0.03	0.00
16p#187457_187459	16	13892890-13917152	24263		Inf	0.511313131	0.03	0.00
16p#187471_187505	16	14068516-14333411	264896	MKL2	Inf	0.511313131	0.03	0.00
1q#10490_10506	1	143976658-144188341	211684	CHD1L, AF419616	Inf	0.511313131	0.03	0.00
1q#10547_10553	1	144565205-144603498	38294	AF419616, GJA8	Inf	0.511313131	0.03	0.00
1q#14573_14599	1	187216480-187929247	712768	BC042042	Inf	0.511313131	0.03	0.00
1q#14609_14622	1	188299952-188666961	367010	BC042094	Inf	0.511313131	0.03	0.00
1q#14641_14649	1	188984152-189048120	63969	RGS21	Inf	0.511313131	0.03	0.00
16p#188036_188056	16	21501073-21647387	146315	DREV1, OTOA	Inf	0.511313131	0.03	0.00
16p#188057_188058	16	21744993-21854140	109148		Inf	0.511313131	0.03	0.00
16p#187671_187678	16	16841128-17065117	223990		Inf	0.511313131	0.03	0.00
17q#195880_195883	17	29941664-29965720	24057	TMEM132E	Inf	0.511313131	0.03	0.00
16p#186896_186937	16	6846484-7225847	379364	A2BP1	Inf	0.511313131	0.03	0.00
16p#186866_186895	16	6590737-6836675	245939	A2BP1	Inf	0.511313131	0.03	0.00
16p#187441_187456	16	13422219-13869446	447228		Inf	0.511313131	0.03	0.00
1q#14535_14572	1	186838656-187191348	352693	FAM5C	Inf	0.511313131	0.03	0.00
1q#14413_14419	1	183689150-183806401	117252	PLA2G4A	Inf	0.511313131	0.03	0.00
1q#14406_14412	1	183631855-183680274	48420	PLA2G4A	Inf	0.511313131	0.03	0.00
16p#188072_188081	16	21949761-22030061	80301	BC027604, AK098260	Inf	0.511313131	0.03	0.00
16p#187947_187966	16	20646960-20768511	121552	THUMPDI, ACSM3, EXOD1, LOC81691	Inf	0.511313131	0.03	0.00
16p#188008_188029	16	21116205-21258078	141874	ZP2, ANKS4B, CRYM, AK123760	Inf	0.511313131	0.03	0.00
16p#188121_188128	16	22553207-22750152	196946	HS3ST2	Inf	0.511313131	0.03	0.00
16p#188059_188070	16	21858880-21925459	66580	UQCRC2, BC021724, C16orf65	Inf	0.511313131	0.03	0.00
16p#187996_187998	16	21030410-21047003	16594	DNAH3	Inf	0.511313131	0.03	0.00
16p#188129_188183	16	22758810-23324935	566126	HS3ST2, AB033029, USP31, SCNN1G, SCNN1B, COG7	Inf	0.511313131	0.03	0.00
16p#188082_188100	16	22040400-22192495	152096	AK098260, AK128606, EEF2K	Inf	0.511313131	0.03	0.00
16p#187967_187981	16	20776836-20896662	119827	BX648185, DCUN1D3, LOC57149, DNAH3	Inf	0.511313131	0.03	0.00
16p#188030_188035	16	21382561-21492971	110411	BC090929	Inf	0.511313131	0.03	0.00
16p#187982_187995	16	20903874-21024125	120252	DNAH3	Inf	0.511313131	0.03	0.00
16p#188488_188496	16	26759958-26983231	223274		Inf	0.511313131	0.03	0.00
16p#188508_188514	16	27132815-27185664	52850	JMJD5, NSMCE1	Inf	0.511313131	0.03	0.00
16p#188571_188577	16	27684464-27732918	48455	KIAA0556, AK128775, MGC18079	Inf	0.511313131	0.03	0.00
16p#187637_187653	16	16005936-16143022	137087	ABCC1	Inf	0.511313131	0.03	0.00
16p#188185_188273	16	23344661-24059983	715323	IDUFAB1, FLJ21816, DCTN5, AK022200, AB209179, PL	Inf	0.511313131	0.03	0.00
16p#187537_187538	16	14817706-14876402	58697	BC008178, NOMO1	Inf	0.511313131	0.03	0.00
16p#187506_187521	16	14351678-14557073	205396	PARN	Inf	0.511313131	0.03	0.00

16p#187539_187545	16	14956177-15023080	66904	KIAA0251	Inf	0.511313131	0.03	0.00
16p#187522_187536	16	14567002-14687695	120694	PARN, BFAR, PLA2G10	Inf	0.511313131	0.03	0.00
16p#188685_188692	16	28915840-29041236	125397	BX647358, BC042920	Inf	0.511313131	0.03	0.00
16p#186355_186380	16	2171839-2317101	145263	CASKIN1, GBL, BC002330, E4F1, DCI, RNPS1, ABCA3	Inf	0.511313131	0.03	0.00
1q#14623_14640	1	188684853-188959603	274751	BC042094, RGS18	Inf	0.511313131	0.03	0.00
1q#14664_14681	1	189286469-189487886	201418	RGS13	Inf	0.511313131	0.03	0.00
1q#17466_17470	1	224246076-224276644	30569	C1orf142	Inf	0.511313131	0.03	0.00
1q#14650_14663	1	189058693-189280051	221359	RGS21, RGS1	Inf	0.511313131	0.03	0.00
1q#17462_17465	1	224227419-224237306	9888	JMJD4, C1orf142	Inf	0.511313131	0.03	0.00
1q#13908_13932	1	178086134-178364584	278451	CACNA1E	Inf	0.511313131	0.03	0.00
1q#13822_13900	1	177071709-177906492	834784	6, XPR1, AB046834, AK056657, STX6, MR1, CR602405	Inf	0.511313131	0.03	0.00
1q#14420_14460	1	183844770-184755731	910962	C1orf99	Inf	0.511313131	0.03	0.00
1q#14377_14405	1	183323060-183624030	300971	PTGS2, PLA2G4A	Inf	0.511313131	0.03	0.00
1q#14706_14752	1	189810865-190610563	799699	CDC73	Inf	0.511313131	0.03	0.00
1q#14682_14684	1	189495456-189512013	16558	RGS2	Inf	0.511313131	0.03	0.00
16p#189083_189089	16	34143290-34242154	98865	AL833480	Inf	0.511313131	0.03	0.00
16p#188563_188570	16	27619825-27677906	58082	KIAA0556	Inf	0.511313131	0.03	0.00
16p#188107_188119	16	22243998-22338093	94096	POLR3E, CDR2	Inf	0.511313131	0.03	0.00
16p#186162_186175	16	944663-1054094	109432	FLJ12681, AK125201, SOX8	Inf	0.511313131	0.03	0.00
16p#188274_188285	16	24071478-24158521	87044	PRKCB1	Inf	0.511313131	0.03	0.00
16q#189299_189320	16	46940480-47153546	213067	LONPL, AK056051, SIAH1, BC044920, N4BP1	Inf	0.511313131	0.03	0.00
16q#189294_189298	16	46887437-46935724	48288	LONPL	Inf	0.511313131	0.03	0.00
16p#187546_187597	16	15034210-15683506	649297	51, NTAN1, RRN3, AK027135, MPV17L, C16orf45, LKAF	Inf	0.511313131	0.03	0.00
16p#188659_188666	16	28769032-28804697	35666	BX647358, SH2B, ATP2A1	Inf	0.511313131	0.03	0.00
16p#188679_188684	16	28874835-28906458	31624	NFATC2IP, BX647358, SPIN1, LAT	Inf	0.511313131	0.03	0.00
1q#17471_17480	1	224285323-224374166	88844	MPN2	Inf	0.511313131	0.03	0.00
1q#13373_13387	1	172087089-172278646	191558	TNR, X98085, Y13359	Inf	0.511313131	0.03	0.00
1q#11822_11844	1	155922831-156104653	181823	IGSF4B, DARC, FCER1A	Inf	0.511313131	0.03	0.00
1q#13933_14019	1	178379899-179336703	956805	5, AK128015, GLUL, TEDDM1, C1orf120, RGS2, RGS1	Inf	0.511313131	0.03	0.00
1q#11768_11821	1	155452599-155904227	451629	41, OR6K6, OR6N2, MNDA, PYHIN1, AK094968, IFI16, 4	Inf	0.511313131	0.03	0.00
1q#13775_13821	1	176619044-177062564	443521	TOR1AIP1, CEP350, QSCN6, CR597598, LHX4, ACBD6	Inf	0.511313131	0.03	0.00
1q#13901_13907	1	177918356-178047367	129012	AF387616	Inf	0.511313131	0.03	0.00
1q#14685_14705	1	189515914-189806633	290720	UCHL5, TROVE2, AY205314, GLRX2	Inf	0.511313131	0.03	0.00
1q#17484_17552	1	224430231-224937051	506821	RPL55, AK094778, GUK1, GJA12, AK057440, C1orf69, C	Inf	0.511313131	0.03	0.00
16p#189081_189082	16	34124297-34129822	5526		Inf	0.511313131	0.03	0.00
15q#185162_185167	15	90624269-90675830	51562	BC043379	Inf	0.511313131	0.03	0.00
15q#185199_185234	15	90973548-91287299	313752	LOC400451, BC110328, BC016011, CR627422, CHD2	Inf	0.511313131	0.03	0.00
10q#134028_134158	10	78007926-79391104	1383179	KCNMA1, BC067888, DLG5, AF194537	Inf	0.511313131	0.03	0.00
10q#134166_134247	10	79454397-80662474	1208078	194537, RPS24, AK097674, AF086162, AK098249, BC0	Inf	0.511313131	0.03	0.00
16p#188101_188106	16	22202398-22237563	35166	EEF2K, POLR3E	Inf	0.511313131	0.03	0.00
16p#188497_188507	16	26987044-27126807	139764	TNT, JMJD5	Inf	0.511313131	0.03	0.00
16p#188542_188553	16	27419688-27507625	87938	GTF3C1, KIAA0556	Inf	0.511313131	0.03	0.00
16p#188578_188582	16	27741863-27776935	35073	MGC18079	Inf	0.511313131	0.03	0.00
16p#188286_188303	16	24168190-24331895	163706	CACNG3	Inf	0.511313131	0.03	0.00
16p#188482_188487	16	26530603-26717986	187384		Inf	0.511313131	0.03	0.00
16p#188537_188541	16	27379532-27411351	31820	CR627430, GTF3C1	Inf	0.511313131	0.03	0.00
16p#188554_188562	16	27519095-27606536	87442	KIAA0556	Inf	0.511313131	0.03	0.00
16p#188417_188481	16	25608304-26483991	875688	HS3ST4	Inf	0.511313131	0.03	0.00
16p#186200_186223	16	1215396-1352866	137471	AF175522, TPSD1, UBE2I, BAIAP3, GNPTG	Inf	0.511313131	0.03	0.00
16p#186196_186199	16	1195632-1211711	16080	CACNA1H	Inf	0.511313131	0.03	0.00
16p#186224_186225	16	1361109-1364920	3812	C16orf28	Inf	0.511313131	0.03	0.00
1q#14753_14754	1	190638750-190663587	24838		Inf	0.511313131	0.03	0.00
1q#17481_17482	1	224386550-224407723	21174		Inf	0.511313131	0.03	0.00
1q#10618_10651	1	146803140-147066398	263259	45A, PLEKHO1, ANP32E, CA14, APH1A, BC068606, C1	Inf	0.511313131	0.03	0.00
1q#10654_10684	1	147079620-147318979	239360	MRPS21, PRPF3, KIAA0460, TARSL1, ECM1	Inf	0.511313131	0.03	0.00

1q#13024_13036	1	168463722-168570517	106796	KIAA0859, DNMM3	Inf	0.511313131	0.03	0.00
1q#13088_13124	1	168976284-169303039	326756	DNM3, C1orf105, C1orf9	Inf	0.511313131	0.03	0.00
1q#13388_13418	1	172296413-172726945	430533	Y13359, RFW2	Inf	0.511313131	0.03	0.00
1q#13125_13140	1	169311583-169544719	233137	C1orf9, FASLG	Inf	0.511313131	0.03	0.00
1q#13243_13372	1	170764908-172079202	1314295	095838, AB019493, AB007940, CACYBP, MRPS14, TNN	Inf	0.511313131	0.03	0.00
1q#13632_13640	1	175194706-175244115	49410	FLJ44005, C1orf49, AK097518, FLJ35530	Inf	0.511313131	0.03	0.00
1q#13717_13774	1	176036300-176609510	573211	1, C1orf125, NPHS2, TDRD5, C1orf76, TOR1AIP2, TOR	Inf	0.511313131	0.03	0.00
1q#11845_11863	1	156120866-156334537	213672	BC038194, OR10J1	Inf	0.511313131	0.03	0.00
1q#10685_10694	1	147329655-147379318	49664	ADAMTSL4, MCL1, AK057901	Inf	0.511313131	0.03	0.00
1q#14755_14773	1	190714904-191350085	635182		Inf	0.511313131	0.03	0.00
1q#17553_17565	1	224945306-225090624	145319	BC001193, HIST3H2A, AK091220, BC012758, AK092260	Inf	0.511313131	0.03	0.00
16p#188304_188415	16	24347396-25583801	1236406	9, TNRC6A, SLC5A11, ARHGAP17, BC041358, AK09783	Inf	0.511313131	0.03	0.00
1q#19334_19339	1	245161888-245210850	48963	BC033943	Inf	0.511313131	0.03	0.00
1q#10652_10653	1	147070449-147073923	3475	C1orf51	Inf	0.511313131	0.03	0.00
1q#16885_16971	1	216151537-217154660	1003124	SLC30A10, EPRS, BPNT1, IARS2, AK021928, RAB3GA	Inf	0.511313131	0.03	0.00
1q#12846_13023	1	166372743-168457362	2084620	329, SCYL1BP1, AK056067, PRRX1, C1orf129, FMO3, I	Inf	0.511313131	0.03	0.00
1q#13037_13087	1	168577703-168967759	390057	DNM3	Inf	0.511313131	0.03	0.00
1q#13419_13426	1	172741926-172795138	53213	RFW2	Inf	0.511313131	0.03	0.00
1q#11300_11301	1	151778332-151779570	1239	FLAD1, LENER	Inf	0.511313131	0.03	0.00
1q#13147_13158	1	169698887-169839795	140909	TNFSF18	Inf	0.511313131	0.03	0.00
1q#13427_13631	1	172804793-175188658	2383866	A2, ASTN, FAM5B, BC031234, AK074451, LZTR2, AB06	Inf	0.511313131	0.03	0.00
1q#13641_13716	1	175249343-176027156	777814	5530, RALGPS2, FAM20B, TOR3A, BX538317, ABL2, S	Inf	0.511313131	0.03	0.00
1q#18730_18735	1	239337733-239517142	179410		Inf	0.511313131	0.03	0.00
1q#13141_13146	1	169568157-169671051	102895	CEP170	Inf	0.511313131	0.03	0.00
1q#18736_18740	1	239544570-239663327	118758	LRRK1	Inf	0.511313131	0.03	0.00
15q#185903_185921	15	99332800-99485019	152220		Inf	0.511313131	0.03	0.00
15q#185928_185982	15	99545698-99958738	413041	CHSY1, SELS, SNRPA1, BC043562, PCSK6, AK172827	Inf	0.511313131	0.03	0.00
15q#185991_186005	15	100023843-100144320	120478	TARSL2, AK125787	Inf	0.511313131	0.03	0.00
16q#189245_189248	16	46251853-46279131	27279	PHKB	Inf	0.511313131	0.03	0.00
16q#189249_189258	16	46291108-46448124	157017	PHKB, BC039433	Inf	0.511313131	0.03	0.00
15q#185135_185137	15	90381380-90393965	12586	SLCO3A1	Inf	0.511313131	0.03	0.00
15q#185138_185161	15	90400719-90618368	217650	SLCO3A1, BC043379	Inf	0.511313131	0.03	0.00
15q#185168_185198	15	90694297-90955903	261607	ST8SIA2, C15orf32	Inf	0.511313131	0.03	0.00
4q#58478_58487	4	69215734-69312043	96310	UGT2B17, U06641	Inf	0.511313131	0.03	0.00
1q#11233_11260	1	151251940-151448208	196269	L6R, X52229, SHE, TDRD10, UBE2Q1, CHRNB2, ADAF	Inf	0.511313131	0.03	0.00
1q#11176_11188	1	150780578-150903411	122834	NUP210L	Inf	0.511313131	0.03	0.00
1q#11282_11288	1	151687895-151735179	47285	X52229, PMVK, PBXIP1	Inf	0.511313131	0.03	0.00
1q#11869_11876	1	156380518-156479735	99218		Inf	0.511313131	0.03	0.00
1q#11864_11868	1	156344464-156376473	32010	APCS	Inf	0.511313131	0.03	0.00
1q#18229_18242	1	233045423-233191533	146111	HEATR1, ACTN2	Inf	0.511313131	0.03	0.00
1q#18260_18289	1	233363053-233668746	305694	MTR, RYR2	Inf	0.511313131	0.03	0.00
1q#19034_19067	1	242754982-243118286	363305	SMYD3, AB057595, TFB2M, C1orf71	Inf	0.511313131	0.03	0.00
1q#19164_19215	1	243940317-244292715	352399	124520, OR2C3, C1orf150, OR2G2, BC036260, AY3582	Inf	0.511313131	0.03	0.00
1q#11358_11372	1	152049242-152097900	48659	CLK2, HCN3, PKLR, FDPS	Inf	0.511313131	0.03	0.00
1q#19068_19102	1	243123841-243411049	287209	AL834246, SCCPDH, AK022825, LOC149134, AHC TF1,	Inf	0.511313131	0.03	0.00
1q#19103_19142	1	243420173-243721132	300960	519, ZNF695, CR597038, ZNF670, ZNF669, BC032514, 2	Inf	0.511313131	0.03	0.00
1q#19143_19163	1	243727635-243931105	203471	VN1R5, ZNF496, CIAS1	Inf	0.511313131	0.03	0.00
1q#12810_12845	1	166064793-166356582	291790	BLZF1, C1orf114, BC041451, AJ237724, SLC19A2, F5,	Inf	0.511313131	0.03	0.00
1q#11302_11323	1	151785517-151878191	92675	X52229, DCST2, DCST1, ADAM15, EFNA4, EFNA3	Inf	0.511313131	0.03	0.00
1q#19243_19310	1	244442266-244930639	488374	OR2L13, OR2M4, OR5BF1, OR2T1	Inf	0.511313131	0.03	0.00
1q#18724_18729	1	239156984-239313837	156854		Inf	0.511313131	0.03	0.00
1q#11289_11299	1	151738128-151774015	35888	PBXIP1, PYGO2, SHC1, CKS1B, FLAD1	Inf	0.511313131	0.03	0.00
1q#11394_11416	1	152282610-152504376	221767	L, AK126559, AY39211, MSTO1, BC092439, YY1AP1,	Inf	0.511313131	0.03	0.00
1q#18243_18259	1	233200341-233355110	154770	ACTN2, MTR	Inf	0.511313131	0.03	0.00
1q#18290_18723	1	233677289-239133786	5456498	IRM3, AK095715, FMN2, GREM2, RGS7, FH, KMO, OPI	Inf	0.511313131	0.03	0.00

1q#18741_18814	1	239701509-240398186	696678	CEP170, BC050722, SDCCAG8, AKT3	Inf	0.511313131	0.03	0.00
1q#18815_18842	1	240426687-240733227	306541	BC046644, ZNF238, LOC440742	Inf	0.511313131	0.03	0.00
9p#120504_120513	9	24300474-24577353	276880		Inf	0.511313131	0.03	0.00
9p#120199_120265	9	20499690-20983388	483699	MLLT3, KIAA1797	Inf	0.511313131	0.03	0.00
9p#120132_120160	9	19577317-19908720	331404	SLC24A2	Inf	0.511313131	0.03	0.00
16q#189282_189284	16	46797922-46814257	16336	ABCC11	Inf	0.511313131	0.03	0.00
16q#189259_189277	16	46466134-46748264	282131	BC039433, AK091370, ABCC12, BC036378	Inf	0.511313131	0.03	0.00
16q#189278_189281	16	46758431-46789668	31238	ABCC11	Inf	0.511313131	0.03	0.00
16q#189285_189293	16	46819141-46879396	60256	ABCC11, AF352582, LONPL	Inf	0.511313131	0.03	0.00
1q#11877_11936	1	156486124-156882609	396486	1123, CCDC19, CR604695, TAGLN2, IGSF9, SLAMF9, A	Inf	0.511313131	0.03	0.00
1q#12800_12809	1	165958802-166059484	100683	NME7	Inf	0.511313131	0.03	0.00
1q#19216_19242	1	244296502-244437195	140694	TRIM58, BX537432, OR2L13	Inf	0.511313131	0.03	0.00
11q#144745_144748	11	65348085-65360267	12183	FLJ30934	Inf	0.511313131	0.03	0.00
11q#144751_144756	11	65379458-65401792	22335	CFL1, AK097690, MUS81, EFEMP2, AB209121	Inf	0.511313131	0.03	0.00
19q#209538_209539	19	39541682-39553983	12302	GPI	Inf	0.511313131	0.03	0.00
19q#209644_209652	19	40450622-40503289	52668	LSR, USF2, HAMP, MAG, AB209170	Inf	0.511313131	0.03	0.00
11q#144749_144750	11	65371982-65376103	4122	FLJ30934	Inf	0.511313131	0.03	0.00
11q#144757_144759	11	65405644-65409692	4049	CTSW, FIBP	Inf	0.511313131	0.03	0.00
19q#209540_209568	19	39564193-39838698	274506	GPI, BC006342, PDCCD2L, UBA2, AK130059, AK093495	Inf	0.511313131	0.03	0.00
19q#209569_209627	19	39846983-40341988	495006	599, FLJ43870, ZNF30, FLJ38451, GRAMD1A, SCN1B, A	Inf	0.511313131	0.03	0.00
19q#209628_209631	19	40350432-40376709	26278	FXYD5	Inf	0.511313131	0.03	0.00
19q#209635_209643	19	40395296-40445639	50344	FLJ25660, LSR	Inf	0.511313131	0.03	0.00
1q#11937_11988	1	156890001-157271905	381905	4, CASQ1, PEA15, WDR42A, PEX19, COPA, NCSTN, N	Inf	0.511313131	0.03	0.00
1q#18952_18953	1	241983282-241991562	8281	AK125187	Inf	0.511313131	0.03	0.00
1q#18954_18994	1	242000411-242407308	406898	AK125187, AK095500, SMYD3	Inf	0.511313131	0.03	0.00
1q#18995_19033	1	242419536-242739150	319615	SMYD3	Inf	0.511313131	0.03	0.00
1q#18118_18125	1	231892283-231955469	63187	TBCE, B3GALNT2	Inf	0.511313131	0.03	0.00
11q#144760_144771	11	65414143-65472544	58402	FOSL1, C11orf68, DRAP1, TSGA10IP	Inf	0.511313131	0.03	0.00
11q#144772_144779	11	65478019-65507182	29164	TSGA10IP, SART1	Inf	0.511313131	0.03	0.00
1q#11155_11175	1	150650667-150777051	126385	613795, AB007945, CRTC2, SLC39A1, CREB3L4, JTB,	Inf	0.511313131	0.03	0.00
1q#11209_11222	1	151058042-151130451	72410	BC005240, HAX1, AQP10, ATP8B2	Inf	0.511313131	0.03	0.00
1q#11223_11229	1	151135918-151209203	73286	ATP8B2, IL6R	Inf	0.511313131	0.03	0.00
1q#11230_11232	1	151220662-151245463	24802	IL6R	Inf	0.511313131	0.03	0.00
1q#11261_11281	1	151467441-151670787	203347	X52229, KCNN3	Inf	0.511313131	0.03	0.00
1q#11324_11344	1	151890549-151992895	102347	FNA1, RAG1AP1, DPM3, KRTCAP2, TRIM46, MUC1, TH	Inf	0.511313131	0.03	0.00
1q#11351_11357	1	152018577-152045979	27403	GBA, C1orf2, SCAMP3, CLK2	Inf	0.511313131	0.03	0.00
1q#11373_11393	1	152102091-152274091	172001	FDPS, RUSC1, ASH1L	Inf	0.511313131	0.03	0.00
1q#18051_18117	1	230945978-231877407	931430	040, AK058184, AK127758, AF193050, TOMM20, AL133	Inf	0.511313131	0.03	0.00
1q#18126_18177	1	231965390-232521250	555861	B3GALNT2, GNG4, LYST, BC045606, NID1	Inf	0.511313131	0.03	0.00
1q#18178_18184	1	232534912-232573558	38647	NID1	Inf	0.511313131	0.03	0.00
1q#18185_18228	1	232593090-233040194	447105	R137B, CR749523, ERO1LB, EDARADD, LGALS8, HEA	Inf	0.511313131	0.03	0.00
1q#18843_18951	1	240760763-241973484	1212722	121, FAM36A, AK095297, HNRPU, AK126649, EFCAB2,	Inf	0.511313131	0.03	0.00
8q#111350_111359	8	51563275-51660670	97396	SNTG1	0.663207264	0.542830905	0.10	0.15
8q#111360_111367	8	51670362-51738426	68065	SNTG1	0.663207264	0.542830905	0.10	0.15
11q#145169_145175	11	68633004-68740243	107240	AL137479	0.656716597	0.561243672	0.12	0.17
11q#145165_145168	11	68591724-68620384	28661	TPCN2, AL137479	0.656716597	0.561243672	0.12	0.17
17q#199405_199409	17	67111451-67150941	39491		0.339929386	0.566165739	0.02	0.05
17q#198585_198594	17	57255236-57323696	68461	BRIP1, INTS2	0.339929386	0.566165739	0.02	0.05
17q#199410_199413	17	67172896-67275713	102818		0.339929386	0.566165739	0.02	0.05
17q#198562_198572	17	57007383-57125897	118515	BRIP1	0.339929386	0.566165739	0.02	0.05
17q#198595_198599	17	57336828-57364820	27993	INTS2	0.339929386	0.566165739	0.02	0.05
17q#197573_197578	17	45230625-45273598	42974	MYST2, CR606231, AF515828	0.339929386	0.566165739	0.02	0.05
17q#199343_199353	17	65646407-65728740	82334	BC030961, KCNJ2	0.339929386	0.566165739	0.02	0.05
17q#199371_199381	17	66073811-66399765	325955	BC040334	0.339929386	0.566165739	0.02	0.05
17q#199328_199342	17	65395757-65634679	238923	BX647864, KCNJ16	0.339929386	0.566165739	0.02	0.05

17q#199354_199370	17	65747307-66046184	298878		BC030961	0.339929386	0.566165739	0.02	0.05
17q#198621_198624	17	57678897-57750608	71712			0.339929386	0.566165739	0.02	0.05
11q#145462_145465	11	71801423-71832168	30746		CLPB	0.339929386	0.566165739	0.02	0.05
17q#199559_199562	17	69106147-69217274	111128			0.339929386	0.566165739	0.02	0.05
17q#199577_199582	17	69475077-69621697	146621			0.339929386	0.566165739	0.02	0.05
17q#199326_199327	17	65343441-65368203	24763			0.339929386	0.566165739	0.02	0.05
17q#198625_198627	17	57775091-57803770	28680			0.339929386	0.566165739	0.02	0.05
17q#199565_199575	17	69258278-69416510	158233		C17orf54	0.339929386	0.566165739	0.02	0.05
17q#199563_199564	17	69239287-69246662	7376			0.339929386	0.566165739	0.02	0.05
17q#197627_197629	17	45650882-45692778	41897			0.339929386	0.566165739	0.02	0.05
17q#197842_197850	17	47911139-48211551	300413			0.339929386	0.566165739	0.02	0.05
17q#197857_197863	17	48439335-48624909	185575			0.339929386	0.566165739	0.02	0.05
17q#197868_197872	17	48751308-48854597	103290			0.339929386	0.566165739	0.02	0.05
17q#199583_199592	17	69673554-69752348	78795		RPL38, TTYH2	0.339929386	0.566165739	0.02	0.05
17q#197391_197396	17	43645057-43705778	60722		SCAP1	0.339929386	0.566165739	0.02	0.05
17q#199319_199325	17	65159361-65311214	151854			0.339929386	0.566165739	0.02	0.05
17q#199593_199622	17	69760815-69972408	211594		TTYH2, DNAI2, KIF19, GPR142, GPRC5C	0.339929386	0.566165739	0.02	0.05
20q#216716_216744	20	49144509-49604271	459763		NFATC2	0.339929386	0.566165739	0.02	0.05
20q#217495_217497	20	59610958-59632782	21825		CDH4	0.339929386	0.566165739	0.02	0.05
20q#217450_217457	20	59135657-59257639	121983			0.339929386	0.566165739	0.02	0.05
17q#197851_197856	17	48253722-48388402	134681			0.339929386	0.566165739	0.02	0.05
17q#197864_197867	17	48661365-48734781	73417			0.339929386	0.566165739	0.02	0.05
17q#197630_197632	17	45700312-45714631	14320		TMEM92	0.339929386	0.566165739	0.02	0.05
17q#200105_200108	17	74060402-74081708	21307		DNAHL1, BC034158	0.339929386	0.566165739	0.02	0.05
17q#198268_198276	17	54122826-54198211	75386		TEX14, RAD51C, PPM1E	0.339929386	0.566165739	0.02	0.05
12q#156673_156772	12	67202216-68223152	1020937		NUP107, SLC35E3, MDM2, CPM, CPSF6, LYZ, YEATS	0.339929386	0.566165739	0.02	0.05
12q#156792_156807	12	68369636-68464834	95199		VMD2L3, BC042465, RAB3IP	0.339929386	0.566165739	0.02	0.05
17q#197988_197997	17	51154337-51229521	75185		TMEM100, AK095175, PCTP	0.339929386	0.566165739	0.02	0.05
17q#198094_198096	17	52607113-52664847	57735			0.339929386	0.566165739	0.02	0.05
17q#198023_198028	17	51733282-51783199	49918		ANKFN1	0.339929386	0.566165739	0.02	0.05
8p#110349_110354	8	34785140-34897046	111907			0.339929386	0.566165739	0.02	0.05
17q#200245_200252	17	75569393-75633807	64415		TBC1D16, BC035251	0.339929386	0.566165739	0.02	0.05
17q#200253_200258	17	75639557-75679277	39721		BC035251, AB046860	0.339929386	0.566165739	0.02	0.05
17q#199858_199869	17	71548135-71614473	66339		SRP68, GALR2, LGICZ1, EXOC7	0.339929386	0.566165739	0.02	0.05
17q#200063_200085	17	73700328-73885354	185027		FMID, BIRC5, BC042066, AK128457, BC034158, SOCS	0.339929386	0.566165739	0.02	0.05
17q#200113_200114	17	74153120-74162611	9492		BC034158	0.339929386	0.566165739	0.02	0.05
17q#197633_197647	17	45718954-45823610	104657		XYL2, MRPL27, EME1, LRRC59	0.339929386	0.566165739	0.02	0.05
17q#200109_200112	17	74092224-74127473	35250		BC034158	0.339929386	0.566165739	0.02	0.05
12q#156773_156791	12	68231737-68363943	132207		FRS2, CCT2, LRRC10, VMD2L3	0.339929386	0.566165739	0.02	0.05
12q#156808_156813	12	68474620-68518951	44332		RAB3IP	0.339929386	0.566165739	0.02	0.05
20q#217499_217502	20	59644650-59668858	24209		CDH4	0.339929386	0.566165739	0.02	0.05
20q#217458_217492	20	59263320-59585411	322092		CDH4	0.339929386	0.566165739	0.02	0.05
17q#200053_200062	17	73649740-73695337	45598		AK090478, AY358510, SYNGR2, TK1, AFMID	0.339929386	0.566165739	0.02	0.05
17q#200023_200046	17	73327839-73618375	290537		FLJ45079, BC039479, TNRC6C, BC045631, BC041417	0.339929386	0.566165739	0.02	0.05
8p#110328_110333	8	34327163-34469009	141847			0.339929386	0.566165739	0.02	0.05
8p#110347_110348	8	34735105-34749458	14354			0.339929386	0.566165739	0.02	0.05
17q#198006_198022	17	51529877-51717521	187645		ANKFN1	0.339929386	0.566165739	0.02	0.05
20q#217503_217507	20	59678268-59711329	33062		CDH4	0.339929386	0.566165739	0.02	0.05
20q#217511_217528	20	59747489-59903431	155943		CDH4	0.339929386	0.566165739	0.02	0.05
17q#195109_195117	17	23072917-23176298	103382		NOS2A	0.339929386	0.566165739	0.02	0.05
17q#195065_195080	17	22614479-22764751	150273		U43586, WSB1	0.339929386	0.566165739	0.02	0.05
17q#195053_195064	17	22315936-22593145	277210		U43586	0.339929386	0.566165739	0.02	0.05
8p#110427_110431	8	36013545-36098356	84812			0.339929386	0.566165739	0.02	0.05
8p#110373_110385	8	35309074-35492937	183864		AY358147	0.339929386	0.566165739	0.02	0.05
17q#195096_195100	17	22915588-22952572	36985		KSR1	0.339929386	0.566165739	0.02	0.05

8p#110370_110372	8	35256729-35294944	38216	AY358147	0.339929386	0.566165739	0.02	0.05
1q#16552_16556	1	211395327-211549059	153733		0.339929386	0.566165739	0.02	0.05
1q#16591_16593	1	212152890-212173671	20782	KCTD3	0.339929386	0.566165739	0.02	0.05
1q#16573_16578	1	211722825-211779349	56525	KCNK2	0.339929386	0.566165739	0.02	0.05
17q#195101_195108	17	22963211-23030319	67109	KSR1, LGALS9	0.339929386	0.566165739	0.02	0.05
1q#16557_16572	1	211564531-211709689	145159	KCNK2	0.339929386	0.566165739	0.02	0.05
11q#146265_146269	11	80790766-80921369	130604		0.339929386	0.566165739	0.02	0.05
1q#16536_16550	1	211175187-211309303	134117	CENPF	0.339929386	0.566165739	0.02	0.05
6q#90182_90188	6	122293593-122580769	287177		0.339929386	0.566165739	0.02	0.05
1q#15112_15119	1	196375888-196683902	308015		0.339929386	0.566165739	0.02	0.05
1q#15120_15149	1	196703921-197074404	370484	NR5A2, BC040731	0.339929386	0.566165739	0.02	0.05
1q#16503_16535	1	210868316-211165392	297077	SMYD2, PTPN14, CENPF	0.339929386	0.566165739	0.02	0.05
1q#15150_15165	1	197084971-197276417	191447	ZNF281, KIF14	0.339929386	0.566165739	0.02	0.05
1q#15166_15168	1	197287009-197299220	12212	KIF14	0.339929386	0.566165739	0.02	0.05
1q#16493_16502	1	210661522-210961953	200432	SMYD2	0.339929386	0.566165739	0.02	0.05
11q#146419_146427	11	82998255-83073325	75071	DLG2	0.339929386	0.566165739	0.02	0.05
11q#146491_146495	11	83708098-83748590	40493	DLG2	0.339929386	0.566165739	0.02	0.05
11q#146428_146442	11	83087833-83234222	146390	DLG2	0.339929386	0.566165739	0.02	0.05
11q#146244_146245	11	80093144-80120907	27764		0.339929386	0.566165739	0.02	0.05
11q#146241_146243	11	79974644-80046693	72050		0.339929386	0.566165739	0.02	0.05
11q#146255_146260	11	80462013-80609482	147470		0.339929386	0.566165739	0.02	0.05
11q#146353_146364	11	82336526-82436405	99880	AK058145, BC032890, BX641138, RAB30	0.339929386	0.566165739	0.02	0.05
17q#198716_198748	17	58829892-59047700	217809	AB046856, CYB561, ACE, KCNH6, WDR68, CCDC44	2.128082458	0.642198548	0.05	0.02
17q#197738_197752	17	46548759-46657244	108486	SPAG9, NME1-NME2, MBTD1, BC034364	2.128082458	0.642198548	0.05	0.02
17q#197462_197470	17	44212401-44288518	76118	TTL6, BC041368, CALCOCO2	2.128082458	0.642198548	0.05	0.02
17q#198787_198793	17	59313420-59355804	42385	CR620501	2.128082458	0.642198548	0.05	0.02
17q#197442_197461	17	44049732-44195258	145527	AK025239, HOXB9, BC038560, PRAC, HOXB13, TTL6	2.128082458	0.642198548	0.05	0.02
17q#197471_197480	17	44296927-44360080	63154	CALCOCO2, ATP5G1, UBE2Z	2.128082458	0.642198548	0.05	0.02
17q#198794_198796	17	59360896-59370251	9356	CD79B, SCN4A	2.128082458	0.642198548	0.05	0.02
17q#197772_197773	17	46924340-46940757	16418		2.128082458	0.642198548	0.05	0.02
17q#195341_195346	17	24920439-24939229	18791	TP53113, GIT1	2.128082458	0.642198548	0.05	0.02
17q#196276_196281	17	34416502-34473439	56938	AK125814, PLXDC1	2.128082458	0.642198548	0.05	0.02
16p#187173_187211	16	10556862-10914067	357206	EMP2, FLJ32871, NUBP1, BC050569, CIITA	2.128082458	0.642198548	0.05	0.02
16p#187272_187287	16	11411999-11568293	156295	LOC400499, LITAF	2.128082458	0.642198548	0.05	0.02
16p#187139_187172	16	10093440-10550554	457115	RIN2A, BC040539, AK093414, ATF7IP2, AK096403, EM	2.128082458	0.642198548	0.05	0.02
16p#187054_187080	16	8888451-9235531	347081	USP7, PRO0149	2.128082458	0.642198548	0.05	0.02
16p#187082_187138	16	9297678-10083715	786038	CR749525, CR749843, GRIN2A	2.128082458	0.642198548	0.05	0.02
17q#196233_196242	17	34125663-34173220	47558	MLLT6, AL832481, PCGF2, PSMB3	2.128082458	0.642198548	0.05	0.02
17q#196243_196249	17	34178521-34211493	32973	PIP5K2B, CCDC49	2.128082458	0.642198548	0.05	0.02
17q#196258_196268	17	34256775-34338307	81533	RPL23, LASP1	2.128082458	0.642198548	0.05	0.02
17q#196212_196216	17	33917570-33958680	41111	AB040934, SNIP	2.128082458	0.642198548	0.05	0.02
16p#187324_187329	16	11915652-11969248	53597	GSPT1, TNFRSF17	2.128082458	0.642198548	0.05	0.02
1q#14203_14215	1	181315906-181437875	121970	C1orf21, EDEM3	2.128082458	0.642198548	0.05	0.02
16p#187317_187323	16	11855872-11909270	53399	AK096386, GSPT1	2.128082458	0.642198548	0.05	0.02
16p#186250_186254	16	1502609-1534016	31408	IFT140	2.128082458	0.642198548	0.05	0.02
1q#14216_14336	1	181448821-182845233	1396413	C1orf25, C1orf26, AK000128, IVNS1ABP, AF508904, AF5	2.128082458	0.642198548	0.05	0.02
16p#186258_186308	16	1553479-1909150	355672	PK8IP3, NME3, MRPS34, SPSB3, NUBP2, IGFALS, HA	2.128082458	0.642198548	0.05	0.02
16p#186309_186314	16	1912775-1935070	22296	SEPX1, RPL3L	2.128082458	0.642198548	0.05	0.02
16p#186255_186256	16	1538535-1543070	4536	IFT140	2.128082458	0.642198548	0.05	0.02
16p#186248_186249	16	1489837-1498083	8247	KIAA0683	2.128082458	0.642198548	0.05	0.02
16p#186246_186247	16	1478848-1482684	3837		2.128082458	0.642198548	0.05	0.02
11q#144844_144846	11	65940201-65950270	10070	NPAS4	2.128082458	0.642198548	0.05	0.02
11q#144837_144842	11	65883692-65919782	36091	SLC29A2	2.128082458	0.642198548	0.05	0.02
16p#187212_187271	16	10919208-11392868	473661	DEXI, KIAA0350, BC039361, TNP2, PRM2, PRM1, MGC	2.882354056	0.645925646	0.07	0.02
1q#14189_14202	1	181198479-181305325	106847	C1orf21	2.882354056	0.645925646	0.07	0.02

1q#14174_14188	1	180940607-181184651	244045	C1orf21	2.82354056	0.645925646	0.07	0.02
17q#197721_197725	17	46381045-46432038	50994	SPAG9	0.681284474	0.686923729	0.05	0.07
17q#199758_199759	17	70805215-70814973	9759		0.681284474	0.686923729	0.05	0.07
17q#199760_199761	17	70825745-70828064	2320	GRB2	0.681284474	0.686923729	0.05	0.07
17q#196371_196374	17	35161875-35185396	23522	AK128436, BC012267, ZNFN1A3	0.681284474	0.686923729	0.05	0.07
17q#196375_196386	17	35192331-35286624	94294	ZNFN1A3, ZPBP2	0.681284474	0.686923729	0.05	0.07
17q#195143_195208	17	23548674-23937287	388614	NP2, C17orf32, VTN, SARM1, HCP1, BC045622, SLC13A1	0.681284474	0.686923729	0.05	0.07
11q#144977_144978	11	66893068-66898996	5929	CLCF1, AK096155	0.681284474	0.686923729	0.05	0.07
11q#144967_144975	11	66823619-66881793	58175	ANKRD13D, SSH3, AK096155, POLD4	0.681284474	0.686923729	0.05	0.07
17q#196364_196370	17	35138310-35157665	19356	ERBB2, C17orf37, GRB7	0.681284474	0.686923729	0.05	0.07
17q#195401_195418	17	25441704-25549266	107563	EFCAB5, CCDC55, SLC6A4	0.681284474	0.686923729	0.05	0.07
11q#144979_144984	11	66902057-66922464	20408	AK096155, RAD9A	0.681284474	0.686923729	0.05	0.07
17q#195243_195261	17	24108428-24249443	141016	C17orf63, ERAL1, FLOT2, MGC23280	0.681284474	0.686923729	0.05	0.07
17q#195209_195242	17	23944100-24104544	160445	PO6, KIAA0100, SDF2, SUPT6H, PROCA1, RAB34, RPL10A	0.681284474	0.686923729	0.05	0.07
17q#195262_195265	17	24253086-24281034	27949	MGC23280, PHF12	0.681284474	0.686923729	0.05	0.07
17q#196292_196302	17	34586425-34636173	49749	CACNB1, RPL19, STAC2	0.681284474	0.686923729	0.05	0.07
17q#195266_195282	17	24291361-24407417	116057	PHF12, SEZ6, PIPOX	0.681284474	0.686923729	0.05	0.07
17q#196303_196323	17	34642531-34803341	160811	AL117623, FBXL20	0.681284474	0.686923729	0.05	0.07
17q#196324_196335	17	34809479-34925566	116088	FBXL20, BC060758, PPARBP, CRKRS	0.681284474	0.686923729	0.05	0.07
17q#196355_196363	17	35082460-35127971	45512	PERLD1, ERBB2	0.681284474	0.686923729	0.05	0.07
17q#196336_196354	17	34940330-35078636	138307	CRKRS, NEUROD2, PPP1R1B, STARD3, TCAP, PNMT	0.681284474	0.686923729	0.05	0.07
11q#144948_144956	11	66636636-66721052	84417	FBXL11	0.681284474	0.686923729	0.05	0.07
17q#195283_195303	17	24413434-24591396	177963	MYO18A	0.681284474	0.686923729	0.05	0.07
17q#195396_195400	17	25384943-25432153	47211	EFCAB5	0.681284474	0.686923729	0.05	0.07
17q#196284_196290	17	34506479-34563111	56633	PLXDC1	0.681284474	0.686923729	0.05	0.07
17q#195354_195355	17	24978758-24987707	8950	SSH2	0.681284474	0.686923729	0.05	0.07
1q#16386_16419	1	209299315-209574757	275443	2248, LOC149643, AK092887, FLVCR, AK001419, FLJ1	0.681284474	0.686923729	0.05	0.07
1q#16441_16451	1	209766869-209857159	90291	RPS6KC1	0.681284474	0.686923729	0.05	0.07
1q#16365_16377	1	209149399-209231018	81620	ATF3, FAM71A	0.681284474	0.686923729	0.05	0.07
1q#15937_15943	1	204041716-204085341	43626	CR2, CR1	0.681284474	0.686923729	0.05	0.07
1q#15988_16030	1	204584768-205277436	692669	AK125154, PLXNA2, AK074960	0.681284474	0.686923729	0.05	0.07
1q#15452_15497	1	199758885-200079371	320487	MYOG, ADORA1, MYBPH, CHI3L1, X75546, CHIT1, BTG	0.681284474	0.686923729	0.05	0.07
11q#146140_146146	11	77908223-77975657	67435	NARS2	0.675478467	0.713210389	0.07	0.10
1q#15508_15516	1	200206810-200349902	143093	OPTC, ATP2B4	0.675478467	0.713210389	0.07	0.10
1q#15549_15551	1	200599204-200624132	24929		0.675478467	0.713210389	0.07	0.10
1q#15517_15548	1	200356948-200589921	232974	ATP2B4, LAX1, ZC3H11A, SNRPE	0.675478467	0.713210389	0.07	0.10
11q#146107_146109	11	77604277-77621589	17313	GAB2	0.669456818	0.73640157	0.08	0.12
11q#146110_146111	11	77636520-77643121	6602	GAB2	0.669456818	0.73640157	0.08	0.12
11q#146113_146125	11	77664284-77764267	99984	GAB2	0.669456818	0.73640157	0.08	0.12
11q#146126_146136	11	77771343-77867386	96044	GAB2, BC039514, NARS2	0.669456818	0.73640157	0.08	0.12
11q#145390_145391	11	71081930-71105229	23300		Inf	1	0.02	0.00
11q#145436_145438	11	71588137-71604615	16479		0.692294348	1	0.02	0.02
11q#145446_145458	11	71637295-71757982	120688	CLPB	0.692294348	1	0.02	0.02
17q#199393_199397	17	66693317-66834499	141183	BC039327	0.692294348	1	0.02	0.02
17q#198700_198715	17	58655004-58810925	155922	AB046856	1.044194198	1	0.05	0.05
17q#198749_198750	17	59051653-59063808	12156	MAP3K3	1.044194198	1	0.05	0.05
17q#198602_198613	17	57388446-57488204	99759	THRAP1	1.044194198	1	0.05	0.05
17q#199414_199415	17	67307629-67334965	27337		0.692294348	1	0.02	0.02
17q#197726_197737	17	46441133-46535555	94423	SPAG9	1.044194198	1	0.05	0.05
11q#145403_145412	11	71367881-71406281	38401	RNF121, AK098255, NUMA1	Inf	1	0.02	0.00
11q#145440_145445	11	71610584-71632187	21604	FOLR2, INPPL1, PHOX2A	0.692294348	1	0.02	0.02
7q#103749_103782	7	119653165-119957425	304261	KCND2	0	1	0.00	0.00
7q#103783_103788	7	119962942-119994861	31920	KCND2	Inf	1	0.02	0.00
7q#103789_103887	7	120003948-121239798	1235851	TSPAN12, ING3, FLJ21986, WNT16, FAM3C, PTPRZ1	0	1	0.00	0.00
7q#104095_104104	7	123374990-123546467	171478		0	1	0.00	0.00

11q#145415_145421	11	71441504-71482413	40910	NUMA1, LRRCS51	0.692294348	1	0.02	0.02
11q#145422_145435	11	71487511-71579124	91614	C11orf59, AF289588, C11orf51, FOLR3, FOLR1	0.692294348	1	0.02	0.02
17q#197567_197572	17	45169319-45222386	53068	FAM117A, MYST2	0.686886232	1	0.03	0.05
17q#199417_199421	17	67438277-67540654	102378		0.692294348	1	0.02	0.02
17q#198751_198759	17	59071406-59127328	55923	MAP3K3	1.044194198	1	0.05	0.05
17q#198600_198601	17	57372913-57378582	5670	THRAP1	0.686886232	1	0.03	0.05
17q#198614_198619	17	57500156-57606350	106195		1.044194198	1	0.05	0.05
17q#199422_199443	17	67549709-67826018	276310	AK056229, SOX9	0.692294348	1	0.02	0.02
20q#217358_217380	20	57956028-58109703	153676	AL137442, CDH26, AF169690, FLJ33860, CR590645	Inf	1	0.02	0.00
20q#217381_217382	20	58120309-58147879	27571	AK092805	Inf	1	0.02	0.00
17q#197753_197766	17	46668543-46795546	127004	BC034364, UTP18, BC039326, FLJ42842	1.398928118	1	0.03	0.02
17q#196943_196948	17	39373438-39407681	34244	AK024231, PYY	0	1	0.00	0.00
17q#196949_196967	17	39414914-39546421	131508	PYY, NAGS, TMEM101, LSM12, G6PC3, HDAC5	Inf	1	0.02	0.00
17q#196968_197018	17	39559167-39896210	337044	042297, UBTF, BC050302, X77737, SLC4A1, BC05170	0	1	0.00	0.00
17q#197508_197516	17	44646323-44683657	37335	ABI3, PHOSPHO1, FLJ40194	0.686886232	1	0.03	0.05
17q#197536_197544	17	44860354-44953988	93635	AK125088, NGFR	1.398928118	1	0.03	0.02
17q#199470_199473	17	68191745-68225783	34039	SLC39A11	0.692294348	1	0.02	0.02
17q#197499_197507	17	44564575-44641713	77139	B4GALNT2, GNGT2	0.686886232	1	0.03	0.05
17q#197562_197564	17	45116870-45133783	16914	SLC35B1	0.686886232	1	0.03	0.05
17q#199457_199469	17	68033456-68185273	151818	AK000477, AK129994, SLC39A11	0.692294348	1	0.02	0.02
17q#197481_197498	17	44370440-44539515	169076	SNF8, GIP, IGF2BP1	1.398928118	1	0.03	0.02
20q#217405_217413	20	58421666-58565879	144214		1.398928118	1	0.03	0.02
20q#217414_217416	20	58580084-58613507	33424		1.398928118	1	0.03	0.02
17q#197908_197911	17	49865715-49962582	96868		0.686886232	1	0.03	0.05
17q#197914_197917	17	50084795-50172632	87838		0.692294348	1	0.02	0.02
17q#197056_197057	17	40230655-40238050	7396	GJA7	0	1	0.00	0.00
17q#198637_198646	17	57903319-58020080	116762	BC060511, TLK2	1.413401461	1	0.07	0.05
17q#198680_198699	17	58419953-58642739	222787	CR936685, AB046856	1.044194198	1	0.05	0.05
17q#198628_198631	17	57810838-57838165	27328	EFCAB3	0.686886232	1	0.03	0.05
17q#198632_198636	17	57851812-57887232	35421	METTL2A	1.044194198	1	0.05	0.05
17q#198760_198769	17	59128253-59185612	57360	LIMD2, LYK5, CCDC47	1.044194198	1	0.05	0.05
17q#198771_198775	17	59201445-59236209	34765	CCDC47, DDX42	1.044194198	1	0.05	0.05
17q#198884_198887	17	60210092-60214775	4684	BC016458	1.398928118	1	0.03	0.02
7q#103000_103002	7	108862206-108951718	89513		0	1	0.00	0.00
7q#105279_105342	7	136411438-136947068	535631	PTN, DGKI	0	1	0.00	0.00
7q#102989_102999	7	108621416-108834209	212794		0	1	0.00	0.00
7q#104174_104187	7	124385210-124551368	166159	LOC401398, BC042072	0	1	0.00	0.00
7q#104313_104318	7	126537296-126607605	70310	CR611240, LOC168850	0	1	0.00	0.00
7q#105221_105254	7	135553662-136096388	542727	AF279773, CHR2	0	1	0.00	0.00
7q#101877_101906	7	98190483-98425089	234607	TRRAP, AK001533, SMURF1	0	1	0.00	0.00
7q#101948_101964	7	98698902-98787737	88836	PSF4, ATP5J2, LOC285989, ZNF394, ZFP95, AK02452	0	1	0.00	0.00
7q#103347_103360	7	113602746-113719300	116555	AK131266, FOXP2	0	1	0.00	0.00
7q#103667_103689	7	117614046-118321971	707926		0	1	0.00	0.00
7q#103724_103748	7	119375024-119638402	263379	KCND2	0	1	0.00	0.00
7q#103888_103934	7	121246245-121666846	420602	PRZ1, AASS, AF229180, LOC389549, AK057037, CADF	0	1	0.00	0.00
7q#103935_103975	7	121675659-121981449	305791	CADPS2	0	1	0.00	0.00
7q#104135_104173	7	124051574-124378269	326696	POT1, AK022580, LOC401398	0	1	0.00	0.00
7q#104266_104312	7	126051619-126515428	463810	GRM8	0	1	0.00	0.00
7q#104320_104359	7	126617932-127020413	402482	LOC168850, GCC1, ARF5, FSCN3, PAX4, SND1	0	1	0.00	0.00
7q#104360_104402	7	127026067-127394045	367979	SND1	0	1	0.00	0.00
11q#145396_145398	11	71305189-71318738	13550	AK131288, RNF121	Inf	1	0.02	0.00
11q#145399_145401	11	71325621-71345964	20344	RNF121	Inf	1	0.02	0.00
17q#198784_198785	17	59286906-59297561	10656		1.044194198	1	0.05	0.05
11q#145460_145461	11	71783379-71789246	5868	CLPB	0.692294348	1	0.02	0.02
17q#197874_197877	17	48911348-49008258	96911		0.692294348	1	0.02	0.02

20q#217324_217349	20	57651922-57882524	230603	PHACTR3, SYCP2	Inf	1	0.02	0.00
17q#197788_197801	17	47175045-47306472	131428	CA10	1.044194198	1	0.05	0.05
17q#197802_197811	17	47318646-47390568	71923	CA10	0.686886232	1	0.03	0.05
17q#197785_197787	17	47145716-47165387	19672	CA10	1.413401461	1	0.07	0.05
20q#217196_217223	20	56361962-56643176	281215	RAB22A, VAPB, FLJ90166, AK054637	0.692294348	1	0.02	0.02
20q#217276_217292	20	57050416-57245403	194988	C20orf45, AL833682	0.692294348	1	0.02	0.02
20q#217310_217323	20	57493095-57645305	152211	AK098788, PHACTR3	Inf	1	0.02	0.00
17q#197896_197899	17	49516136-49544109	27974		0.686886232	1	0.03	0.05
20q#216437_216511	20	45849167-47092540	1243374	AK129540, BC035164, PREX1, ARFGF2	0	1	0.00	0.00
20q#216520_216538	20	47174278-47338039	163762	STAU1, DDX27, ZNF1, AY513722	0	1	0.00	0.00
20q#216586_216605	20	47837549-47978892	141344	SLC9A8, SPATA2	0	1	0.00	0.00
20q#216676_216715	20	48782981-49120710	337730	PARD6B, BCAS4, ADNP, DPM1, MOCS3, KCNG1	0.692294348	1	0.02	0.02
17q#197882_197891	17	49218134-49331814	113681	KIF2B	1.398928118	1	0.03	0.02
17q#197902_197907	17	49651982-49827496	175515		0.686886232	1	0.03	0.05
20q#216618_216626	20	48105413-48173920	68508	Kua-JEV	0	1	0.00	0.00
20q#216652_216671	20	48475517-48709672	234156	PTPN1, C20orf175	0	1	0.00	0.00
17q#198150_198161	17	53218911-53311464	92554	MRPS23, CUEDC1	0.692294348	1	0.02	0.02
17q#197767_197768	17	46809273-46826980	17708		1.398928118	1	0.03	0.02
17q#198162_198164	17	53327331-53348369	21039	CUEDC1, BC056882	0.692294348	1	0.02	0.02
17q#198165_198171	17	53353771-53388527	34757	BC056882	0.692294348	1	0.02	0.02
17q#196924_196934	17	39234426-39297977	63552	MPP3, CD300LG	0	1	0.00	0.00
17q#197384_197390	17	43574909-43633423	58515	SCAP1	0.692294348	1	0.02	0.02
17q#198941_198942	17	61079935-61092659	12725	CCDC46	0.686886232	1	0.03	0.05
17q#198962_198976	17	61291390-61420767	129378	CCDC46	0.686886232	1	0.03	0.05
17q#198030_198031	17	51797507-51808692	11186	ANKFN1	0.692294348	1	0.02	0.02
17q#197398_197422	17	43729275-43966936	237662	SCAP1, AK057253, HOXB1	0.686886232	1	0.03	0.05
17q#197921_197922	17	50306625-50320232	13608		0.692294348	1	0.02	0.02
17q#198048_198053	17	52005812-52056646	50835	NOG	0.692294348	1	0.02	0.02
17q#198043_198047	17	51937807-51979224	41418		0.692294348	1	0.02	0.02
17q#198172_198177	17	53397199-53427502	30304	ZNF161	0.692294348	1	0.02	0.02
17q#198209_198211	17	53676133-53697118	20986	LPO	1.398928118	1	0.03	0.02
17q#198668_198673	17	58198861-58237848	38988	RNF190	0.686886232	1	0.03	0.05
17q#197232_197270	17	42290925-42639088	348164	WNT9B, BC006271, GOSR2, RPRML, CR602880, CDC2	0	1	0.00	0.00
17q#197063_197065	17	40280923-40296131	15209	HIGD1B, EFTUD2	0	1	0.00	0.00
17q#197066_197077	17	40305780-40373812	68033	EFTUD2, CCDC103, GFAP, BC044933	0	1	0.00	0.00
17q#199500_199514	17	68478958-68611409	132452	SLC39A11	0.692294348	1	0.02	0.02
17q#196670_196691	17	37283882-37429930	146049	ACLY, TTC25, CNP, DNAJC7, NKIRAS2	0	1	0.00	0.00
17q#196826_196871	17	38306615-38710102	403488	DC1, RPL27, IFI35, VAT1, RND2, BRCA1, NBR2, BC022	0	1	0.00	0.00
17q#196872_196879	17	38784700-38843074	58375	BC035366, ARL4D	0	1	0.00	0.00
17q#198802_198804	17	59423034-59433733	10700	AK094767, ICAM2	0.686886232	1	0.03	0.05
17q#198805_198812	17	59435360-59484604	49245	ICAM2, AB209878, ERN1	0.686886232	1	0.03	0.05
17q#198893_198903	17	60370406-60454198	83793	AK098507, AK056627, GNA13	0.686886232	1	0.03	0.05
17q#198904_198916	17	60462254-60615914	153661	GNA13, CR613211, RGS9	0.686886232	1	0.03	0.05
17q#198917_198919	17	60622836-60641951	19116	RGS9	0.686886232	1	0.03	0.05
17q#197141_197142	17	40901702-40926210	24509	PLEKHM1	0	1	0.00	0.00
17q#200477_200479	17	77535412-77558547	23136	ASPSR1	Inf	1	0.02	0.00
17q#197138_197140	17	40866689-40875342	8654	LOC201175, PLEKHM1	0	1	0.00	0.00
17q#197342_197343	17	43333246-43347686	14441	SP2	0.692294348	1	0.02	0.02
20q#216392_216396	20	45368970-45418862	49893	PRKCBP1	0	1	0.00	0.00
20q#216434_216436	20	45817492-45836137	18646	SULF2	0	1	0.00	0.00
20q#216539_216585	20	47345647-47805492	459846	AK055386, KCNB1, L02840, PTGIS, B4GALT5	0	1	0.00	0.00
17q#197894_197895	17	49437708-49471239	33532		0.686886232	1	0.03	0.05
17q#197774_197784	17	46978432-47134057	155626	CA10	1.044194198	1	0.05	0.05
17q#197892_197893	17	49373601-49397894	24294		1.398928118	1	0.03	0.02
12q#156366_156433	12	63357829-64089777	731949	SSF3, GNS, AB023201, AK123272, WIF1, LEMD3, MSF	Inf	1	0.02	0.00

12q#156455_156672	12	64328071-67192627	2864557	BC115393, CAND1, AB020636, AK055974, DYRK2, AK	0.692294348	1	0.02	0.02
7q#99429_99437	7	68720838-68792552	71715	AUTS2	0	1	0.00	0.00
7q#99438_99448	7	68799399-68887937	88539	AUTS2	0	1	0.00	0.00
17q#196628_196631	17	37019956-37041541	21586	KRT16, AK125965	0	1	0.00	0.00
17q#196546_196561	17	36541969-36644061	102093	24-5, KRTAP4-4, KRTAP4-2, KRTAP4-10, BC065372, AJ	0	1	0.00	0.00
17q#196632_196644	17	37046097-37129542	83446	AK125965, AK094723, EIF1, GAST	0	1	0.00	0.00
17q#196621_196627	17	36986323-37014813	28491	KRT14	0	1	0.00	0.00
17q#196645_196646	17	37134361-37142558	8198	HAP1	0	1	0.00	0.00
17q#196796_196825	17	38152688-38300118	147431	JK4, CCDC56, CNTD1, BECN1, AK057221, PSME3, AO	0	1	0.00	0.00
17q#197900_197901	17	49585254-49629455	41202		0.686886232	1	0.03	0.05
20q#216606_216617	20	47987034-48076790	89757	ZNF313, SNAI1	0	1	0.00	0.00
20q#216627_216629	20	48182818-48204754	21937	Kua-JEV	0	1	0.00	0.00
17q#198139_198149	17	53072736-53200535	127800	MSI2	0.692294348	1	0.02	0.02
17q#197769_197771	17	46858804-46904271	45468	AK126827	1.398928118	1	0.03	0.02
17q#198128_198138	17	52980150-53064365	84216	MSI2	0.692294348	1	0.02	0.02
17q#198236_198267	17	53848952-54113214	264263	RNF43, BC033020, MTMR4, SEPT4, C17orf47, TEX14	0.686886232	1	0.03	0.05
7q#105343_105417	7	136953134-137833383	880250	GK1, CREB3L2, AK058142, AKR1D1, TRIM24, LOC1363	0	1	0.00	0.00
7q#106070_106137	7	143526118-144502606	976489	TPK1	0	1	0.00	0.00
7q#106139_106149	7	144571285-144908662	337378		0	1	0.00	0.00
7q#106064_106068	7	143321677-143512199	190523	FLJ43692, AK125680, ARHGEF5	0	1	0.00	0.00
7q#104403_104408	7	127410523-127442610	32088	LEP, CR936803, AK001384, RBM28	0	1	0.00	0.00
7q#106453_106460	7	147837913-147901485	63573	CUL1	0	1	0.00	0.00
7q#107054_107072	7	154286988-154477184	190197	BC031272, HTR5A, BX538209	0	1	0.00	0.00
7p#98430_98475	7	48648057-49192826	544770	AK096400	0	1	0.00	0.00
7p#98767_98776	7	54573834-54623536	49703	SEC61G	0	1	0.00	0.00
7p#98844_98869	7	55487428-55770306	282879	AJ001612, FLJ44060, BC094796, ZNF713	0	1	0.00	0.00
7q#100957_100998	7	87571174-88225231	654058	STEAP4, FLJ32110	0	1	0.00	0.00
7q#101022_101028	7	88417961-88482694	64734	FLJ32110	0	1	0.00	0.00
7q#101239_101295	7	91284997-91752338	467342	CYP51A1, AK091323, KRIT1, AB037807, AL137349, G	0	1	0.00	0.00
7q#101309_101332	7	91852064-92055404	203341	MGC40405, CDK6	0	1	0.00	0.00
7q#103004_103006	7	109012995-109077620	64626		0	1	0.00	0.00
7p#98547_98548	7	50193005-50201923	8919	ZNFN1A1	0	1	0.00	0.00
7q#102787_102792	7	106420736-106458807	38072	HBP1, COG5	0	1	0.00	0.00
6q#86382_86393	6	64466439-64650972	184534	PHF3, CR600797	Inf	1	0.02	0.00
7q#101029_101032	7	88492117-88517317	25201	FLJ32110	0	1	0.00	0.00
18q#206377_206401	18	75503709-75717209	213501	FLJ25715, CTDP1	0	1	0.00	0.00
7q#100909_100956	7	87174683-87565990	391308	DBF4, ADAM22, SRI, AK027807, STEAP4	0	1	0.00	0.00
7q#101333_101424	7	92063932-93000780	936849	SAMD9, SAMD9L, LOC253012, FLJ20097, CALCR, BC	0	1	0.00	0.00
7q#102380_102381	7	102173851-102179107	5257	FBXL13	0	1	0.00	0.00
7q#102422_102580	7	102600528-104206124	1605597	C26A5, BC041378, RELN, ORC5L, LHFPL3, BC050337	0	1	0.00	0.00
7q#102615_102627	7	104522567-104627973	105407	SRPK2, AY354201	0	1	0.00	0.00
7q#102762_102786	7	106123839-106403441	279603	PIK3CG, PRKAR2B, HBP1	0	1	0.00	0.00
7q#102793_102803	7	106464994-106546322	81329	COG5	0	1	0.00	0.00
7q#102867_102946	7	107048288-107731114	682827	K025044, DLD, LAMB1, LAMB4, NRCAM, IPLA2(GAMM	0	1	0.00	0.00
7q#103294_103303	7	112479211-112803842	324632		0	1	0.00	0.00
18q#206409_206413	18	75803559-75839275	35717	PQLC1, BC040056, TXNL4A	0	1	0.00	0.00
7q#102338_102339	7	101550948-101565448	14501	APS	0	1	0.00	0.00
2p#21964_21969	2	32929219-32986024	56806	FLJ20272, AK095182	0	1	0.00	0.00
7q#101425_101485	7	93008637-93569806	561170	BC030956, TFFP2, GNGT1, GNGT1, CR749267, BET1	0	1	0.00	0.00
7q#102581_102614	7	104219849-104511434	291586	AK124046, MLL5, SRPK2	0	1	0.00	0.00

7q#102804_102866	7	10658836-107037604	478769	5, DUS4L, BCAP29, BC037315, SLC26A4, CBLL1, SLC	0	1	0.00	0.00
7q#103304_103330	7	112846039-113376542	530504	PPP1R3A, BC036409, AK131266	0	1	0.00	0.00
7q#103387_103466	7	114001351-115498064	1496714	MDFIC, BC022431, TFEC, TES	0	1	0.00	0.00
7q#103516_103521	7	116094332-116122163	27832	CAPZA2	0	1	0.00	0.00
7q#102340_102353	7	101619311-101690918	71608	BC063572, PRKRIP1, C7orf19, ALKBH4	0	1	0.00	0.00
17q#198928_198940	17	60932329-61073672	141344	AXIN2, CCDC46	0.688886232	1	0.03	0.05
17q#198943_198961	17	61105102-61285606	180505	CCDC46	0.688886232	1	0.03	0.05
17q#198923_198926	17	60708875-60842377	133503		1.044194198	1	0.05	0.05
17q#197986_197987	17	51138955-51148901	9947		0.692294348	1	0.02	0.02
17q#197998_198003	17	51256479-51429390	172912		0.692294348	1	0.02	0.02
17q#198032_198042	17	51824981-51922933	97953	ANKFN1	0.692294348	1	0.02	0.02
17q#198191_198208	17	53569588-53669139	99552	OR4D2, EPX, MKS1	0.692294348	1	0.02	0.02
20q#215948_215984	20	41646743-42046260	399518	SGK2, IFT52, MYBL2, FAM112A, AK096842, C20orf100	Inf	1	0.02	0.00
20q#216007_216011	20	42258914-42280761	21848	C20orf111, BC048277	0	1	0.00	0.00
17q#199740_199747	17	70681733-70719726	37994	SUMO2, NUP85	0.686886232	1	0.03	0.05
17q#199748_199757	17	70734683-70793530	58848	NUP85, GGA3, MRPST, SLC25A19	1.044194198	1	0.05	0.05
17q#200216_200244	17	75334877-75556076	220200	CBX2, CBX8, CBX4, BX648922, AL512709, TBC1D16	0.692294348	1	0.02	0.02
17q#200259_200270	17	75688314-75773415	85102	AB046860, GAA, DDX48, CARD14	0.692294348	1	0.02	0.02
17q#197211_197216	17	41983407-42161423	178017	LOC474170, NSF	0	1	0.00	0.00
17q#196530_196545	17	36259869-36534285	274417	KRT12, KRT20, KRT23	0	1	0.00	0.00
17q#196692_196698	17	37437076-37483960	46885		0	1	0.00	0.00
17q#196699_196712	17	37492865-37548832	55968	LGP2, GCN5L2, HSPB9, RAB5C	0	1	0.00	0.00
17q#196713_196721	17	37559380-37599247	39868	RAB5C, KCNH4, HCRT, LGP1	0	1	0.00	0.00
17q#197199_197200	17	41558893-41566599	7707	KIAA1267	0	1	0.00	0.00
17q#199515_199541	17	68629852-68839688	209837	COG1, FAM104A, C17orf80, AY163812, BC015363, CD	0.692294348	1	0.02	0.02
17q#199545_199552	17	68878823-68943619	64797	SDK2	0.692294348	1	0.02	0.02
17q#199879_199888	17	71695783-71782169	86387	RNF157, FAM100B, QRICH2	0.686886232	1	0.03	0.05
20q#216198_216203	20	43744428-43772051	27624	WFDC10B, WFDC13	0	1	0.00	0.00
20q#217179_217195	20	56207876-56353237	145362	C20orf86, AK024545, PPP4R1L, RAB22A	0.692294348	1	0.02	0.02
20q#217224_217275	20	56644136-57045182	401047	B209296, NPEPL1, AJ251759, GNAS, TH1L, CTSZ, TUB	0.692294348	1	0.02	0.02
17q#197272_197294	17	42652940-42873630	220691	MYL4, X52005, ITGB3, C17orf57	0	1	0.00	0.00
17q#197314_197323	17	43144374-43202650	58277	TBKBP1, TBX21	0	1	0.00	0.00
17q#197324_197335	17	43219368-43281406	62039	OSBPL7, MRPL10, LRRRC46, SCRND2, SP6	Inf	1	0.02	0.00
17q#197336_197341	17	43286921-43322936	36016	SP6, BC031827, AK091119	0.692294348	1	0.02	0.02
20q#216390_216391	20	45345678-45356957	11280	PRKCBP1	0	1	0.00	0.00
20q#216423_216433	20	45709177-45811524	102348	NCOA3, SULF2	0	1	0.00	0.00
20q#217090_217110	20	55006289-55268720	262432	BMP7	0	1	0.00	0.00
17q#196578_196620	17	36761288-36983333	222046	K123843, KRTHA7, KRTHA8, KRTHA2, KRTHA5, KRTH	0	1	0.00	0.00
17q#196562_196573	17	36649589-36724937	75349	AJ405951, KRTAP9-4, KRTAP17-1	0	1	0.00	0.00
17q#196647_196661	17	37147098-37232439	85342	JUP, SC65, FKBP10	0	1	0.00	0.00
17q#196662_196669	17	37238664-37274343	35680	NT5C3L, KLHL10, AK096415, KLHL11	0	1	0.00	0.00
17q#196756_196763	17	37881724-37949669	67946	ATP6V0A1, NAGLU	Inf	1	0.02	0.00
17q#196764_196795	17	37953547-38144484	191295	MC3IP, LOC162427, TUBG1, TUBG2, PLEKHH3, CCR10	0	1	0.00	0.00
17q#197196_197197	17	41533641-41544283	10643	KIAA1267	0	1	0.00	0.00
17q#198054_198062	17	52081036-52268791	187756	BC041467, DGKE	0.692294348	1	0.02	0.02
17q#198097_198099	17	52673637-52703666	30030	MSI2	0.686886232	1	0.03	0.05
17q#198178_198187	17	53437573-53521826	84254	SFRS1, CR936603, DYNLL2	0.692294348	1	0.02	0.02
17q#198100_198109	17	52710917-52803520	92604	MSI2	1.398928118	1	0.03	0.02
17q#198124_198127	17	52948114-52972269	24156	MSI2	0.692294348	1	0.02	0.02
17q#198212_198227	17	53700840-53773585	72746	LPO, MPO, BZRAP1, AK090885	1.398928118	1	0.03	0.02
17q#198229_198235	17	53786433-53833591	47159	RNF43	0.686886232	1	0.03	0.05
14q#172220_172224	14	49321174-49342648	21475	SDCCAG1	0	1	0.00	0.00
14q#172225_172249	14	49351213-49529255	178043	SDCCAG1, BC030291, AK092589, LOC283551	0	1	0.00	0.00
14q#172250_172297	14	49538528-49905096	366569	LOC198913, C14orf138, SOS2, BC006117, L2HGDH, A	0	1	0.00	0.00
7q#99379_99428	7	67866207-68713750	847544	AUTS2	0	1	0.00	0.00

12q#156312_156337	12	62791991-63018846	226856	SRGAP1, FLJ32549, BC042855	0	1	0.00	0.00
12q#156356_156365	12	63216474-63346656	130183	RASSF3	Inf	1	0.02	0.00
12q#156814_156864	12	68551941-69138680	586740	C12orf28, CNOT2, KCNMB4	0.692294348	1	0.02	0.02
14q#172397_172400	14	50814618-50894466	79849		0	1	0.00	0.00
7q#105422_105428	7	137874988-137937598	62611	ATP6V0A4	0	1	0.00	0.00
7q#105617_105658	7	139621006-139957730	336725	MKRN1, DENND2A, ADCK2, NDUFB2, CR610711, BRA1	0	1	0.00	0.00
7q#105095_105190	7	134083181-134910095	826915	MGC5242, HSPC049, LOC346673, CNOT4, NUP205, BC	0	1	0.00	0.00
14q#172433_172445	14	51230563-51356582	126020	FRMD6, BC055421	0	1	0.00	0.00
14q#172378_172396	14	50596335-50802870	206536	TRIM9, TXNDC	0	1	0.00	0.00
7q#99449_99460	7	68893211-68992308	99098	AUTS2	0	1	0.00	0.00
7q#104570_104623	7	128855325-129276375	421051	NRF1, UBE2H, ZC3HC1	0	1	0.00	0.00
7q#104624_104650	7	129287989-129496921	208933	KIAA0265, FLJ14803, LOC136263	0	1	0.00	0.00
7q#104651_104706	7	129502741-129881627	378887	91284, CPA5, CPA1, TSGA14, AK055419, MEST, COPG	0	1	0.00	0.00
12q#156338_156355	12	63033029-63191762	158734	BC042855, XPOT, BC009864, TBK1	0	1	0.00	0.00
17q#198978_198996	17	61446310-61643557	197248	CCDC46, APOH	0.686886232	1	0.03	0.05
17q#198920_198922	17	60654236-60678557	24322	RGS9	0.686886232	1	0.03	0.05
17q#197981_197985	17	50986963-51115656	128694		0.692294348	1	0.02	0.02
17q#198063_198092	17	52281004-52563278	282275	DGKE, TRIM25, COIL, SCPEP1, AKAP1	0.692294348	1	0.02	0.02
17q#198188_198190	17	53527858-53553153	25296	AK124534	0.692294348	1	0.02	0.02
17q#197952_197967	17	50592113-50768885	176773	STXBPA, HLF	0.692294348	1	0.02	0.02
17q#198110_198123	17	52808940-52941561	132622	MSI2	0.692294348	1	0.02	0.02
7p#98779_98783	7	54698972-54841913	142942		0	1	0.00	0.00
7q#103177_103191	7	111247249-111354648	107400	DOCK4	0	1	0.00	0.00
7p#98777_98778	7	54646153-54663670	17518		0	1	0.00	0.00
7p#98784_98832	7	54850863-55343589	492727	EGFR, K03193, LANCL2, AK128355, ECOP	0	1	0.00	0.00
7q#103029_103035	7	109822544-109921130	98587	IMMP2L	0	1	0.00	0.00
7q#103119_103166	7	110660687-111149951	489265	IMMP2L, DOCK4	0	1	0.00	0.00
12q#161737_161749	12	130301566-130445325	143760	AK098523	0	1	0.00	0.00
7q#102948_102964	7	107748652-107986606	237955	IPLA2(GAMMA), THAP5, DNAJB9	0	1	0.00	0.00
7q#101831_101832	7	97584545-97591357	6813	BAIAP2L1	0	1	0.00	0.00
12q#161750_161767	12	130457574-130790679	333106	BX648825	0	1	0.00	0.00
7q#102965_102966	7	108013368-108034828	21461		0	1	0.00	0.00
7q#101833_101868	7	97597897-98115398	517502	BAIAP2L1, NPTX2, TMEM130	0	1	0.00	0.00
7q#101823_101830	7	97530418-97576269	45852	BRI3, BAIAP2L1	0	1	0.00	0.00
7q#102237_102254	7	100560562-100694991	134430	EMID2	0	1	0.00	0.00
7q#101971_102005	7	98835468-99104297	268830	B, BX640720, CYP3A5, CYP3A7, AJ563379, CYP3A4, C	0	1	0.00	0.00
17q#200483_200497	17	77568723-77646444	77722	F338198, STRA13, LRRC45, RAC3, RFNG, DUS1L, FAS	0	1	0.00	0.00
17q#200498_200500	17	77653668-77671294	17627	CCDC57	0	1	0.00	0.00
17q#200605_200619	17	78449924-78572260	122337	TBCD, B3GNTL1	0	1	0.00	0.00
20q#215938_215947	20	41568296-41642386	74091	L3MBTL, AB014581, AY927520, SGK2	Inf	1	0.02	0.00
20q#217779_217810	20	61757532-61977283	219752	B, ARFRP1, ZGPAT, SLC2A4RG, BTBD4, BC052269, BC	Inf	1	0.02	0.00
17q#200182_200205	17	74725786-74967556	241771	LOC146713	0.692294348	1	0.02	0.02
17q#200206_200215	17	74973934-75325481	351548	BC008248, ENPP7	0.692294348	1	0.02	0.02
17q#200352_200364	17	76534041-76606768	72728	KIAA1303, CHMP6	0	1	0.00	0.00
20q#215810_215824	20	40238644-40352826	114183	PTPRT	Inf	1	0.02	0.00
20q#215825_215826	20	40366638-40377753	11116	PTPRT	Inf	1	0.02	0.00
20q#215985_216006	20	42057214-42252325	195112	C20orf100, JPH2	0	1	0.00	0.00
17q#196387_196435	17	35296845-35619480	322636	PSMD3, CSF3, THRAP4, THRA, NR1D1, AL049450, CR	1.044194198	1	0.05	0.05
17q#196436_196447	17	35631139-35708883	77745	WIRE, CDC6	1.413401461	1	0.07	0.05
17q#199542_199544	17	68845612-68865152	19541	SDK2	0.692294348	1	0.02	0.02
17q#199870_199878	17	71626372-71687469	61098	FOXJ1, AK093500, RNF157	0.686886232	1	0.03	0.05
17q#200115_200128	17	74172980-74304673	131694	BC034158, PSCD1, USP36	0.692294348	1	0.02	0.02
17q#200282_200302	17	75864891-76052258	187368	1618, AB046838, C17orf27, AK125341, FLJ35220, AK09	0	1	0.00	0.00
20q#216204_216224	20	43784107-43897501	113395	WFDC3, DNTTIP1, UBE2C, TNNC2, C20orf161	0	1	0.00	0.00
20q#216266_216283	20	44122079-44257443	135365	SLC12A5, NCOA5, CD40, AK057411, CDH22	0	1	0.00	0.00

20q#217170_217178	20	56094268-56199104	104837	C20orf85	0.692294348	1	0.02	0.02
3q#53681_53682	3	196949122-196954067	4946	MUC20	0	1	0.00	0.00
17q#195590_195631	17	27112936-27590665	477730	C17orf79, UTP6, SUZ12, LRRRC37B, RHOT1	0	1	0.00	0.00
17q#195726_195731	17	28427295-28468910	41616	ACCN1	0	1	0.00	0.00
17q#197295_197296	17	42898150-42906988	8839	BC067758	0	1	0.00	0.00
17q#196521_196529	17	36203569-36250731	47163	KRT25D, KRT10, TMEM99	0	1	0.00	0.00
17q#197301_197304	17	43027760-43048163	20404	NPEPPS	0	1	0.00	0.00
17q#197305_197307	17	43059177-43079178	20002		0	1	0.00	0.00
17q#197308_197313	17	43085236-43137894	52659	KPNB1, TBKBP1	0	1	0.00	0.00
8p#108516_108525	8	12652662-12770657	117996	LONRF1, BC043360	0	1	0.00	0.00
6q#86960_86969	6	73488703-73558500	69798	KCNQ5	Inf	1	0.02	0.00
7p#98673_98674	7	52290258-52343180	52923		0	1	0.00	0.00
7p#98686_98710	7	52680506-53436458	755953	DKFZp564N2472	0	1	0.00	0.00
8p#108356_108357	8	10627804-10632774	4971	BC043573	0	1	0.00	0.00
8p#108526_108532	8	12799414-12890809	81396	C8orf79	0	1	0.00	0.00
6q#86873_86900	6	72460287-72847730	387444	BC038189, RIMS1	Inf	1	0.02	0.00
8p#108138_108195	8	8148437-8911235	762799	833872, AK122582, CLDN23, BC014226, MFHAS1, THE	0	1	0.00	0.00
8p#108533_108551	8	12892788-13063053	170266	C8orf79, KIAA1456, DLC1	0	1	0.00	0.00
8p#108222_108245	8	9218551-9501804	283254	M27826, TNKS	0	1	0.00	0.00
8p#108349_108355	8	10574939-10620151	45213	C8orf74, AK127545, SOX7	0	1	0.00	0.00
8p#108879_108906	8	17610506-17839034	228529	MTUS1, FGL1, BC073919, PCM1	0	1	0.00	0.00
7q#101199_101235	7	90633327-91255193	621867	MTERF, AKAP9	0	1	0.00	0.00
7q#101296_101308	7	91761343-91842886	81544	PEX1, DKFZP564O0523, CR936726, MGC40405	0	1	0.00	0.00
8p#108933_109006	8	18145489-18940231	794743	NAT2, BC011238, PSD3	0	1	0.00	0.00
7p#98476_98520	7	49216092-49848044	631953	UNQ739, ZPBP	0	1	0.00	0.00
7p#98762_98766	7	54450685-54558940	108256		0	1	0.00	0.00
7p#98981_98984	7	57330922-57368857	37936	AK131575	0	1	0.00	0.00
7p#98986_98994	7	57436605-57738171	301567		0	1	0.00	0.00
8p#108196_108221	8	8924973-9200992	276020	THEX1, PPP1R3B, M27826	0	1	0.00	0.00
8p#108246_108272	8	9510433-9790733	280301	TNKS, M27826	0	1	0.00	0.00
8p#108907_108928	8	17845524-18090054	244531	PCM1, ASAH1, CR613267	0	1	0.00	0.00
8p#108828_108878	8	17131040-17603037	471998	T7, VPS37A, AL834189, MTMR7, SLC7A2, PDGFRL, M	0	1	0.00	0.00
8p#108929_108932	8	18100150-18136473	36324	NAT1	0	1	0.00	0.00
7q#100999_101021	7	88235862-88408447	172586	FLJ32110	0	1	0.00	0.00
7q#101040_101144	7	88601281-90094982	1493702	TEAP1, STEAP2, FLJ21062, AL137642, LOC85865, CLL	0	1	0.00	0.00
7q#101236_101238	7	91261642-91275659	14018	AKAP9	0	1	0.00	0.00
6p#86172_86173	6	57298746-57307622	8877	PRIM2A	0	1	0.00	0.00
18q#206402_206408	18	75729077-75789273	60197	KCNG2, PQLC1	0	1	0.00	0.00
7p#98521_98546	7	49853981-50185291	331311	ZPBP, ZNFN1A1	0	1	0.00	0.00
7p#98613_98672	7	50932836-52268475	1335640	COBL	0	1	0.00	0.00
7p#98711_98761	7	53458574-54427483	968910	FLJ45974, MGC33530, CR613464, BC045679	0	1	0.00	0.00
6q#86279_86317	6	62717214-63087061	369848	KHDRBS2	Inf	1	0.02	0.00
6q#86330_86332	6	63629436-63688066	58631		Inf	1	0.02	0.00
6q#86394_86396	6	64677226-64750789	73564		Inf	1	0.02	0.00
7q#101033_101039	7	88531020-88593322	62303	FLJ32110	0	1	0.00	0.00
6p#86168_86171	6	57267923-57297212	29290	PRIM2A	0	1	0.00	0.00
7q#100873_100908	7	86874749-87163200	288452	ABCB1, RPIB9, AY033596, MCFF, DBF4	0	1	0.00	0.00
7q#101515_101534	7	93917164-94178386	261223	SGCE, PEG10	0	1	0.00	0.00
6q#86262_86278	6	62546543-62706313	159771	KHDRBS2	Inf	1	0.02	0.00
7q#102363_102379	7	10192941-102168973	239733	MGC35361, FBXL13	0	1	0.00	0.00
2p#21942_21963	2	32754958-32923890	168933	BIRC6, AK021967, FLJ20272	0	1	0.00	0.00
7q#100827_100872	7	86456855-86869770	412916	DMTF1, C7orf23, AB007455, CROT, ABCB4, ABCB1	0	1	0.00	0.00
6p#85814_85830	6	52991076-53125875	134800	ICK, FBXO9, GCM1	0	1	0.00	0.00
6p#85849_85850	6	53385003-53426107	41105		0	1	0.00	0.00
6q#86242_86261	6	62040890-62537012	496123	KHDRBS2	Inf	1	0.02	0.00

7q#100719_100815	7	84447926-86306374	1858449	GRM3, KIAA1324L	0	1	0.00	0.00
7q#101486_101514	7	93590979-93907499	316521	COL1A2, CASD1, SGCE	0	1	0.00	0.00
2p#21920_21941	2	32554194-32744374	190181	BIRC6	0	1	0.00	0.00
6p#85799_85813	6	52860391-52982242	121852	GSTA3, GSTA4, ICK	0	1	0.00	0.00
6p#85831_85848	6	53132330-53362013	229684	ELOVL5	0	1	0.00	0.00
6p#85851_85855	6	53454408-53501982	47575	GCLC	0	1	0.00	0.00
6p#85856_85883	6	53510117-53821438	311322	GCLC, AK126334, KBTBD1, LRRC1	0	1	0.00	0.00
7q#100816_100826	7	86312053-86447549	135497	KIAA1324L, AK054776, DMTF1	0	1	0.00	0.00
7q#101633_101650	7	95102722-95269908	167187	DYNC111	0	1	0.00	0.00
21q#221125_221142	21	45715720-45839114	123395	COL18A1, SLC19A1, AB073349	0	1	0.00	0.00
20q#217531_217540	20	59930654-60027624	96971	CDH4, AK092092, TAF4	Inf	1	0.02	0.00
20q#217600_217630	20	60418677-60753516	334840	orf151, GATA5, FLJ30313, C20orf166, AK056716, SLCC	0	1	0.00	0.00
20q#217677_217703	20	61057479-61255819	198341	C20orf59, AK128329, C20orf51	0	1	0.00	0.00
20q#216314_216389	20	44590549-45336250	745702	C13A3, TP53RK, SLC2A10, BC065739, EYA2, PRKCB1	0	1	0.00	0.00
20q#216398_216422	20	45443007-45696170	253164	NCOA3	0	1	0.00	0.00
20q#216284_216313	20	44267211-44580064	312854	CDH22, SLC35C2, ELMO2, AL831934, ZNF334	0	1	0.00	0.00
20q#217111_217135	20	55279536-55506726	227191	BC047656, SPO11, RAE1, AK096426, RNPC1, CTCFL	0	1	0.00	0.00
17q#196574_196577	17	36731647-36757775	26129	KRTHA3A	0	1	0.00	0.00
17q#196722_196732	17	37607168-37676998	69831	STAT5B	0	1	0.00	0.00
17q#198999_199002	17	61671757-61726475	54719		0.686886232	1	0.03	0.05
17q#197976_197980	17	50869225-50963490	94266		0.692294348	1	0.02	0.02
7q#106577_106581	7	148975850-148993303	23454	AB011115	0	1	0.00	0.00
7q#106810_106816	7	150968937-151004195	35259	PRKAG2	0	1	0.00	0.00
12q#157204_157229	12	74070354-74455291	384938	CAPS2, MGC39497, BC016749, GLIPR1, HRB2	0	1	0.00	0.00
14q#172197_172219	14	49167607-49316413	148807	C14orf104, POLE2, KLHDC1, AK056298, KLHDC2	0	1	0.00	0.00
14q#172809_172812	14	54856869-54888778	31910	FBXO34	0	1	0.00	0.00
14q#172187_172196	14	49121427-49164552	43126	RPS29, BX161511, PPIL5, RPL36AL, MGAT2, C14orf104	0	1	0.00	0.00
7q#99373_99378	7	67662745-67845119	182375		0	1	0.00	0.00
12q#156193_156217	12	61275109-61451601	176493	AL834320, C12orf61, AB032983	Inf	1	0.02	0.00
12q#156270_156280	12	62402776-62519778	117003	TMEM5	Inf	1	0.02	0.00
12q#156281_156311	12	62526821-62784242	257422	SRGAP1	0	1	0.00	0.00
7p#98271_98314	7	46907636-47417981	510346	TNS3, AB208995	0	1	0.00	0.00
14q#172108_172122	14	47176855-47364829	187975	AY369208, AK056212	0	1	0.00	0.00
14q#172136_172141	14	47744930-47919590	174661		0	1	0.00	0.00
7q#105812_105836	7	141258800-141480125	221326	LOC93432, AK000645, AK131337, TRY1, BC047233, A	0	1	0.00	0.00
14q#172298_172311	14	49913549-50022606	109058	CDKL1, AF390028, MAP4K5	0	1	0.00	0.00
7p#97677_97681	7	39520061-39609282	89222	RALA, BC038571	0	1	0.00	0.00
14q#172496_172502	14	51848139-51885349	37211	PTGER2	0	1	0.00	0.00
14q#172792_172808	14	54717065-54847309	130245	DLG7, FBXO34	0	1	0.00	0.00
14q#171679_171685	14	39924084-39986502	62419		0	1	0.00	0.00
12q#156865_156866	12	69164231-69189040	24810	BC031864	0.692294348	1	0.02	0.02
7q#104434_104440	7	127631569-127674069	42501	IMPDH1	0	1	0.00	0.00
7q#105418_105421	7	137843025-137866913	23889	ATP6V0A4	0	1	0.00	0.00
7q#105429_105602	7	137947543-139504371	1556829	AK098644, HSPC268, LUC7L2, FLJ44186, AK057548, B	0	1	0.00	0.00
7q#105613_105616	7	139594412-139616205	21794	MKRN1	0	1	0.00	0.00
7q#105659_105660	7	139968769-139978623	9855	BRAF	0	1	0.00	0.00
7q#105738_105804	7	140673101-141183412	510312	LJ40852, SSBP1, TAS2R3, TAS2R4, TAS2R5, LOC1362	0	1	0.00	0.00
14q#172142_172145	14	47937759-48005501	67743		0	1	0.00	0.00
14q#172149_172156	14	48145086-48419252	274167		0	1	0.00	0.00
7q#104475_104479	7	128014258-128035273	21016	NAG6	0	1	0.00	0.00
7q#104489_104516	7	128098529-128305634	207106	ATP6V1F, AK090684, AK122706, IRF5, TNPO3	0	1	0.00	0.00
7q#105041_105048	7	133561884-133612208	50325	AKR1B1	0	1	0.00	0.00
14q#172312_172376	14	50027391-50572304	544914	161, AL833591, SPG3A, SAV1, NIN, C14orf29, PYGL, A	0	1	0.00	0.00
14q#172424_172432	14	51148183-51219595	71413	AL833158, FRMD6	0	1	0.00	0.00
14q#172660_172669	14	53487558-53661731	174174	BMP4, AK096400	0	1	0.00	0.00

7q#100014	100022	7	75506601-75560740	54140	AK094263, BC029292, FLJ37078	0	1	0.00	0.00
7q#104441	104445	7	127681019-127703347	22329	HIG2	0	1	0.00	0.00
7q#105913	105936	7	142104175-142288840	184666	TRPV5, C7orf34, KEL, OR6V1, AF286696	0	1	0.00	0.00
7q#104456	104474	7	127894166-128006848	112683	AK130751, LOC346653, NYD-SP18, CALU, OPN1SW	0	1	0.00	0.00
7q#104543	104569	7	128549560-128846858	297299	KIAA0828, FAM40B, NRF1	0	1	0.00	0.00
7q#104786	104813	7	130760465-131325652	565188	AK098603, AB046770	0	1	0.00	0.00
7q#105006	105040	7	133181945-133520429	338485	EXOC4, FLJ32786, SLC35B4	0	1	0.00	0.00
7q#105049	105094	7	133624052-134077686	453635	AKR1B10, BT006794, BPGM, CALD1	0	1	0.00	0.00
7q#105603	105612	7	139517838-139587574	69737	SLC37A3, AF336886, RAB19B	0	1	0.00	0.00
7q#105805	105810	7	141189966-141238442	48477	MGAM	0	1	0.00	0.00
7q#105838	105860	7	141511878-141686065	174188	AJ007770, LOC647353	0	1	0.00	0.00
7q#102069	102071	7	99454349-99463740	9392	STAG3, GATS	0	1	0.00	0.00
7q#99461	99489	7	69007609-69229466	221858	AUTS2	0	1	0.00	0.00
7q#99506	99509	7	69361455-69381155	19701	AUTS2	0	1	0.00	0.00
7q#100023	100037	7	75567050-75668124	101075	HSPB1, AK092550, YWHAG, SRCRB4D	0	1	0.00	0.00
7q#100038	100046	7	75675224-75792291	117068	SRCRB4D, ZP3, DTX2, BC013192, UPK3B	0	1	0.00	0.00
7q#104707	104710	7	129886983-129915504	28522		0	1	0.00	0.00
7q#104711	104741	7	129949943-130208160	258218	CR618431, BC039420	0	1	0.00	0.00
7q#104742	104785	7	130217126-130722607	505482	BC039420, AK054623, MKLN1, PODXL	0	1	0.00	0.00
7q#106461	106471	7	147909376-148004894	95519	CUL1, EZH2	0	1	0.00	0.00
7q#106995	107011	7	153675214-153888665	213452	DPP6	0	1	0.00	0.00
7q#107012	107053	7	153893837-154274263	380427	DPP6, BC033053, PAXIP1	0	1	0.00	0.00
7q#107073	107075	7	154491671-154518011	26341		0	1	0.00	0.00
7q#107286	107294	7	156658813-156726255	67443	DNAJB6	0	1	0.00	0.00
7q#107295	107302	7	156732486-156794303	61818	BC039304	0	1	0.00	0.00
7q#107313	107347	7	156861989-157131384	269396	PTPRN2	0	1	0.00	0.00
7q#107348	107366	7	157144464-157312917	168454	PTPRN2	0	1	0.00	0.00
7q#107433	107436	7	157898514-157922537	24024		0	1	0.00	0.00
7q#107437	107445	7	157929406-157995928	66523	BC028618, LUZP5	0	1	0.00	0.00
12q#157247	157339	12	74721164-76340350	1619187	PTL1, AK027213, BBS10, OSBPL8, ZDHC17, CSRP2, E	0	1	0.00	0.00
12q#157355	157362	12	76736407-76792190	55784	NAV3	0	1	0.00	0.00
12q#157486	157491	12	78284467-78329803	45337	SYT1	Inf	1	0.02	0.00
20q#217864	217870	20	62331054-62379118	48065	MYT1, AB028973, PCMTD2, BC032332	0	1	0.00	0.00
20q#217743	217758	20	61535454-61633917	98464	KCNQ2, AL080160, EEF1A2, PTK6	Inf	1	0.02	0.00
20q#217767	217778	20	61678601-61752151	73551	GMEB2, AB033095, STMN3	Inf	1	0.02	0.00
20q#217856	217863	20	62259326-62323759	64434	BC062313, MYT1	0	1	0.00	0.00
17q#200501	200512	17	77678681-77771653	92973	CCDC57, AF338198	0	1	0.00	0.00
17q#200513	200540	17	77781108-77932449	151342	A3, CSNK1D, AF338198, CD7, SECTM1, FLJ35767, AF	0	1	0.00	0.00
17q#200569	200598	17	78163171-78395973	232803	WDR45L, RAB40B, BC033940, FN3KRP, FN3K, TBCD	0	1	0.00	0.00
20q#217759	217766	20	61637413-61669895	32483	PTK6, SRMS, C20orf195, PRIC285	Inf	1	0.02	0.00
20q#215584	215619	20	36501222-36834307	333086	LOC128439, KIAA1219, SMAF1, SLC32A1, ACTR5	0	1	0.00	0.00
20q#215827	215937	20	40393204-41558974	1165771	PTPRT, SFRS6, AK021609	Inf	1	0.02	0.00
20q#217723	217732	20	61371989-61439946	67958	ARFGAP1, COL20A1, AB040943	Inf	1	0.02	0.00
20q#217811	217836	20	61982319-62149672	167354	JC5, CR595822, UCKL1, GM632, SAMD10, PRPF6, BC	0	1	0.00	0.00
17q#200047	200052	17	73624567-73645866	21300	TMC6, TMC8	0.692294348	1	0.02	0.02
17q#200129	200162	17	74313965-74544646	230682	SP36, TIMP2, LGALS3BP, CANT1, BC039683, C1QTNF	0.692294348	1	0.02	0.02
17q#200163	200170	17	74549585-74594440	44856	C1QTNF1, FLJ21865	0.692294348	1	0.02	0.02
17q#200171	200172	17	74600990-74606811	5822	AK124644, AK128131	0.692294348	1	0.02	0.02
17q#200320	200350	17	76214811-76506108	291298	KIAA1303	0	1	0.00	0.00
20q#215702	215719	20	3883288-39160339	323052	AK023614, TOP1	0	1	0.00	0.00
20q#215783	215791	20	39842303-40018703	176401		0	1	0.00	0.00
20q#215792	215809	20	40052114-40230962	178849	PTPRT	0	1	0.00	0.00
20q#216225	216240	20	43904867-43988283	63417	1, ACO78, ZSWIM3, ZSWIM1, C20orf165, NEURL2, PPO	0	1	0.00	0.00
20q#216262	216265	20	44089184-44110631	21448	SLC12A5	0	1	0.00	0.00
17q#196469	196482	17	35849697-35932268	82572	IGFBP4, TNS4, CR597260	Inf	1	0.02	0.00

17q#196494_196516	17	36037936-36178699	140764	RCE1, AK092967, KA21, AL110162, KRT24, KRT25A, KF	Inf	1	0.02	0.00
17q#196517_196519	17	36181404-36191069	9666	KRT25B, KRT25C	Inf	1	0.02	0.00
17q#197297_197300	17	42975134-43019604	44471	NPEPPS	0	1	0.00	0.00
14q#177926_177937	14	106268973-106349815	80843	AF184765, AY393068, AK129787, LOC90925	0	1	0.00	0.00
7q#99082_99125	7	63465352-63909066	443715	88, ZNF138, AK097702, AK090648, ZNF273, AF075025,	0	1	0.00	0.00
7q#103007_103012	7	109118750-109283514	164765		0	1	0.00	0.00
7q#103043_103118	7	109997612-110650879	653268	IMMP2L	0	1	0.00	0.00
7q#103167_103176	7	111159055-111232491	73437	DOCK4	0	1	0.00	0.00
6q#87216_87220	6	76344752-76390348	45597	SENP6	0	1	0.00	0.00
7p#98399_98413	7	48265251-48381778	116528	ABCA13	Inf	1	0.02	0.00
7p#98414_98429	7	48392436-48630304	237869	ABCA13, AK096400	0	1	0.00	0.00
7p#98833_98843	7	55349859-55448549	98691	ECOP	0	1	0.00	0.00
7p#98870_98875	7	55775907-55807429	31523	ZNF713, CR590495, MRPS17, GBAS	0	1	0.00	0.00
7q#99038_99045	7	62893725-62980638	86914	AX721100	0	1	0.00	0.00
18q#202914_202924	18	29669846-29762880	93035	NOL4	0	1	0.00	0.00
7p#98356_98398	7	47854702-48259731	405030	BC045737, UPP1, ABCA13	0	1	0.00	0.00
7q#103013_103028	7	109339362-109781176	441815		0	1	0.00	0.00
7q#103036_103042	7	109931398-109985261	53864	IMMP2L	0	1	0.00	0.00
18q#206366_206375	18	75402297-75486904	84608	AL390159	0	1	0.00	0.00
7p#98549_98582	7	50218419-50524412	305994	ZNFN1A1, FIGNL1, DDC, GRB10	0	1	0.00	0.00
6q#86356_86357	6	64181502-64205199	23698		0	1	0.00	0.00
6q#86378_86381	6	64414436-64452546	38111	PHF3	0	1	0.00	0.00
12q#158022_158061	12	86324032-87049703	725672	C12orf50, C12orf29, CEP290, TMTC3	0	1	0.00	0.00
18q#206346_206348	18	75235682-75254655	18974	ATP9B	0	1	0.00	0.00
18q#206420_206423	18	75909064-75936028	26965	BC016878	0	1	0.00	0.00
18q#206353_206365	18	75286857-75395178	108322	NFATC1	0	1	0.00	0.00
12q#161715_161736	12	130045196-130289517	244322	GPR133, AL137487	0	1	0.00	0.00
12q#159036_159194	12	100242802-102100435	1857634	SYCP3, GNPTAB, BC018435, FLJ11259, CCDC53, NUP	0	1	0.00	0.00
7q#101723_101729	7	96079571-96239478	159908		0	1	0.00	0.00
7q#101776_101797	7	97005319-97255503	250185	TAC1, ASNS, BC030024, FLJ39257	0	1	0.00	0.00
7q#102628_102761	7	104638545-106114034	1475490	ATXN7L4, CR604543, AK125261, FLJ23834, SYPL1, P	0	1	0.00	0.00
18q#206328_206341	18	75074982-75191037	116056	ATP9B	0	1	0.00	0.00
18q#206424_206426	18	75945699-75963711	18013		0	1	0.00	0.00
18q#206349_206350	18	75259664-75269401	9738	NFATC1	0	1	0.00	0.00
18q#206414_206419	18	75845192-75905054	59863	TXNL4A, C18orf22	0	1	0.00	0.00
6q#86358_86377	6	64228424-64406974	178551	CR749458, PTP4A1, AK055678	0	1	0.00	0.00
7q#102329_102337	7	101456508-101541953	85446	CUTL1, APS	0	1	0.00	0.00
12q#161697_161700	12	129885241-129896598	11358	RAN	0	1	0.00	0.00
12q#161701_161714	12	129909160-130034688	125529	GPR133	0	1	0.00	0.00
7q#100049_100050	7	75858669-75885451	26783	BC013192, POMZP3	0	1	0.00	0.00
18q#206309_206327	18	74906481-75066390	159910	ATP9B	0	1	0.00	0.00
18q#206427_206428	18	75971816-75978610	6795	KIAA0863	0	1	0.00	0.00
18q#206342_206345	18	75196415-75221120	24706	ATP9B	0	1	0.00	0.00
12q#158988_159035	12	99724774-100229642	504869	TMEM16D, SLC5A8, UTP20	0	1	0.00	0.00
6q#86343_86355	6	64005967-64154563	148597	GLULD1	0	1	0.00	0.00
7q#101730_101731	7	96251202-96258810	7609	AK095619	0	1	0.00	0.00
7q#101760_101775	7	96620312-96997551	377240		0	1	0.00	0.00
7q#101798_101805	7	97270772-97394160	123389	LMTK2	0	1	0.00	0.00
12q#161909_161924	12	132012462-132146758	134297	GOLGA3, CHFR, AK055957, ZNF605	0	1	0.00	0.00
7q#102231_102236	7	100520663-10053087	32425	RABL5	0	1	0.00	0.00
7q#102261_102277	7	100755335-100881358	126024	EMID2, BC085006, AF131787, MYLC2PL	0	1	0.00	0.00
7q#102279_102286	7	100966221-101065488	99268	CUTL1	0	1	0.00	0.00
7q#102304_102328	7	101221477-101446023	224547	CUTL1	0	1	0.00	0.00
12q#161906_161908	12	131991342-132005906	14565	GOLGA3	0	1	0.00	0.00
12q#161647_161696	12	129421901-129882658	460758	RIMBP2, BC007632, STX2, RAN	0	1	0.00	0.00

18q#206195_206308	18	73389512-74892060	1502549	BC016792, SALL3	0	1	0.00	0.00
7q#102287_102303	7	101075157-101211091	135935	CUTL1	0	1	0.00	0.00
12q#157845_157861	12	83886239-84084206	197968	AK126325, LRRIQ1	0	1	0.00	0.00
12q#157922_157952	12	84987961-85219315	231355	MGAT4C	0	1	0.00	0.00
12q#158750_158752	12	97444675-97474797	30123	TMPO	0	1	0.00	0.00
12q#158753_158843	12	97483340-98298053	814714	BC033976, SLC25A3, IKIP, APAF1, ANKS1B	0	1	0.00	0.00
12q#158943_158987	12	99222492-99714225	491734	SCYL2, SLC17A8, NR1H4, GAS2L3, TMEM16D	0	1	0.00	0.00
12q#161409_161646	12	126534185-129415659	2881475	AK126715, SLC15A4, GLT1D1, TMEM132D, AK127723,	0	1	0.00	0.00
12q#161883_161905	12	131822849-131985458	162610	P2, PGAM5, AK097688, BC047906, AB014592, BC0431,	0	1	0.00	0.00
3q#53674_53675	3	196914968-196921624	6657	LOC440993	0	1	0.00	0.00
3q#53676_53678	3	196928253-196937286	9034	LOC440993, AK126698	0	1	0.00	0.00
3q#53679_53680	3	196946071-196947349	1279	MUC20	0	1	0.00	0.00
17q#195563_195580	17	26890725-26966099	75375	AK024534	0	1	0.00	0.00
17q#195551_195562	17	26792495-26886260	93766	RAB11FIP4	0	1	0.00	0.00
17q#195581_195589	17	26979611-27073689	94079		0	1	0.00	0.00
17q#195428_195448	17	25658976-25782929	123954	TMIGD, CPD	1.398928118	1	0.03	0.02
17q#195453_195470	17	25829456-26073671	244216	R1, DKFZP4340047, BC042455, DKFZp667M2411, CR6	Inf	1	0.02	0.00
16p#186018_186028	16	28087-70409	42323	AF060223, POLR3K, C16orf33, RHBDF1, MPG	Inf	1	0.02	0.00
17q#195644_195669	17	27702851-27891076	188226	NF207, AB209215, BC037534, PSMD11, CDK5R1, MYO	0	1	0.00	0.00
17q#195761_195774	17	28727829-28836625	108797	ACCN1	0	1	0.00	0.00
17q#195632_195643	17	27602275-27692677	90403	RHBDL3, C17orf75	0	1	0.00	0.00
17q#195722_195725	17	28389326-28416884	27559	ACCN1	0	1	0.00	0.00
17q#195732_195738	17	28478468-28526774	48307	ACCN1	0	1	0.00	0.00
17q#195348_195351	17	24950777-24965392	14616	ANKRD13B	1.044194198	1	0.05	0.05
17q#195419_195421	17	25561932-25577065	15134	SLC6A4	1.044194198	1	0.05	0.05
17q#195739_195760	17	28536129-28718848	182720	ACCN1	0	1	0.00	0.00
17q#195775_195777	17	28843611-28863681	20071	ACCN1	0	1	0.00	0.00
17q#195422_195426	17	25595151-25638045	42895	BLMH	0.686886232	1	0.03	0.05
17q#195778_195788	17	28869733-28960131	90399	ACCN1	0	1	0.00	0.00
17q#197202_197209	17	41587723-41706929	119207	KIAA1267, BC098376	0	1	0.00	0.00
16p#186684_186696	16	4594255-4675218	80964	AK128595, FAM100A, MGRN1	1.398928118	1	0.03	0.02
17q#200381_200387	17	76709472-76739432	29961	AK131529	Inf	1	0.02	0.00
20q#215357_215397	20	34396787-34734091	337305	24674, BC039668, MYL9, TGIF2, CR618600, C20orf24,	0	1	0.00	0.00
20q#215450_215461	20	35202957-35308761	105805	C20orf132, RPN2	0	1	0.00	0.00
20q#215223_215228	20	33298033-33319805	21773	MMP24	0	1	0.00	0.00
17q#200377_200380	17	76688709-76705147	16439	BAIAP2	Inf	1	0.02	0.00
17q#200437_200451	17	77131670-77242553	110884	NPLOC4, TSPAN10, PDE6G, AF338198, LOC339229	Inf	1	0.02	0.00
17q#200620_200626	17	78586237-78653589	67353	B3GNTL1, METRNL	0	1	0.00	0.00
20q#215218_215222	20	33266206-33289224	23019	MMP24	0	1	0.00	0.00
20q#215229_215271	20	33328121-33656391	328271	C, C20orf44, GDF5, BC032495, CEP250, C20orf173, ER	0	1	0.00	0.00
20q#215272_215298	20	33661345-33852870	191526	SPAG4, CPNE1, NFS1, C20orf52, RNPC2, PHF20	0	1	0.00	0.00
20q#215299_215354	20	33862183-34360149	497967	ND1, C20orf152, BC013885, EPB41L1, C20orf4, CR590	0	1	0.00	0.00
20q#215355_215356	20	34380500-34389404	8905	DLGAP4	0	1	0.00	0.00
20q#215559_215566	20	36305063-36367796	62734	KIAA1755, AK055854, BPI	0	1	0.00	0.00
17q#199003_199009	17	61733108-61785795	52688	PRKCA	0.686886232	1	0.03	0.05
17q#197968_197975	17	50788052-50853052	65001	MMD	0.692294348	1	0.02	0.02
17q#196733_196754	17	37693093-37865498	172406	STAT5A, STAT3, PTRF, ATP6V0A1	0	1	0.00	0.00
6q#86503_86507	6	66761677-66895836	134160	CASP8AP2, CX62, BACH2, CR625825	0	1	0.00	0.00
6q#88164_88217	6	90599884-91127421	527538		0	1	0.00	0.00
6q#86501_86502	6	66709938-66736041	26104		0	1	0.00	0.00
8p#109919_109923	8	29246682-29275592	28911	BC012900, DUSP4	0	1	0.00	0.00
8p#108476_108502	8	29685204-29839616	154413	BC082237, AK054638	0	1	0.00	0.00
8p#108510_108515	8	11678860-11903960	225101	NEIL2, AK057726, FDF1, CTSB, DEFB136, BC032892	0	1	0.00	0.00
6q#90631_90640	6	12602139-12644996	42858	LONRF1	0	1	0.00	0.00
		127829086-127914609	85524	KIAA0408, C6orf174	0	1	0.00	0.00

8p#109949_109968	8	29862892-30110051	247160	BC028745, TMEEM66, LEPROTL1, CR620833	0	1	0.00	0.00
8p#108358_108361	8	10649592-10660133	10542	BC043573, PINX1	0	1	0.00	0.00
8p#108759_108772	8	16070654-16315189	244536	MSR1	0	1	0.00	0.00
8p#109122_109155	8	20512562-21490610	978049	AK058067	0	1	0.00	0.00
8p#107712_107719	8	2229727-2348636	118910		0	1	0.00	0.00
6q#86493_86500	6	66592793-66695588	102796		0	1	0.00	0.00
6q#92320_92327	6	148887972-148979139	91168	SASH1	0	1	0.00	0.00
6q#90641_90727	6	127929111-128755039	825929	C6orf58, C6orf190, PTPRK	0	1	0.00	0.00
6q#91058_91087	6	132795693-132992709	197017	STX7, TAAR9, TAAR8, TAAR6, TAAR5, TAAR2	0	1	0.00	0.00
6q#86957_86959	6	73465803-73480278	14476	KCNQ5	Inf	1	0.02	0.00
18p#201852_201856	18	13656231-13698919	42689	C18orf19	0	1	0.00	0.00
6q#86989_87003	6	73734089-73840243	106155	KCNQ5	Inf	1	0.02	0.00
8p#108552_108565	8	13068616-13182936	114321	DLC1	0	1	0.00	0.00
8p#108751_108758	8	15996382-16059825	63444	MSR1	0	1	0.00	0.00
8p#109095_109121	8	20082933-20470542	387610	SLC18A1, ATP6V1B2, LZTS1, BC038538	0	1	0.00	0.00
8p#109173_109185	8	21826992-21919661	92670	DOK2, XPO7, AB018288	0	1	0.00	0.00
8p#108033_108044	8	6148838-6307170	158333	BC056195, MCPH1	0	1	0.00	0.00
8p#108342_108348	8	10501314-10559464	58151	RP1L1, AK127545	0	1	0.00	0.00
8p#108362_108372	8	10670975-10735606	64632	PINX1	0	1	0.00	0.00
8p#108399_108422	8	10997906-11178657	180752	XKR6, AJ301561, AJ291676	0	1	0.00	0.00
8p#108773_108810	8	16373516-16986781	613266	AK128886, FGF20, EFHA2	0	1	0.00	0.00
6q#86444_86470	6	66034459-66298599	264141	EGFL1	Inf	1	0.02	0.00
6q#92328_92369	6	149000316-149449087	448772	UST	0	1	0.00	0.00
6q#86858_86872	6	72210264-72442727	232464	BC110999, BC038189	Inf	1	0.02	0.00
6q#86901_86932	6	72858806-73135665	276860	RIMS1	Inf	1	0.02	0.00
18p#201857_201874	18	13705800-13847158	141359	C18orf19, RNMT, MC5R	0	1	0.00	0.00
6q#86971_86988	6	73577411-73724157	146747	KCNQ5	Inf	1	0.02	0.00
18p#201805_201812	18	13243663-13299658	55996	C18orf1	Inf	1	0.02	0.00
18p#201813_201851	18	13307423-13642243	334821	C18orf1	Inf	1	0.00	0.00
18q#203786_203796	18	42006417-42092272	85856	C18orf25	0	1	0.00	0.00
8p#109007_109094	8	18983405-20075245	1091841	#2D4A, ChGn, INTS10, M26380, LPL, CR604792, SLC18	0	1	0.00	0.00
8p#109157_109172	8	21579106-21822369	243264	GFRA2, DOK2	0	1	0.00	0.00
8p#108335_108341	8	10428033-10493312	65280	UNQ9391, BC033497	0	1	0.00	0.00
8p#108373_108398	8	10741416-10992351	250936	XKR6	0	1	0.00	0.00
8p#108566_108677	8	13188042-14659611	1471570	DLC1, C8orf48, SGCZ	0	1	0.00	0.00
6q#87004_87009	6	73854396-73899489	45094	KCNQ5	0	1	0.00	0.00
8p#108811_108812	8	16998505-17007393	8889	EFHA2	0	1	0.00	0.00
8p#108820_108827	8	17073072-17123692	50621	ZDHHC2	0	1	0.00	0.00
7q#101145_101198	7	90102299-90613372	511074	PFTK1, FZD1	0	1	0.00	0.00
6q#87025_87049	6	74046387-74267523	221137	BC035766, BC024931, DDX43, C6orf150, MTO1	0	1	0.00	0.00
6q#87059_87065	6	74366764-74420787	54024	SLC17A5, AF244577	0	1	0.00	0.00
6q#86429_86443	6	65647702-66003945	356244		Inf	1	0.02	0.00
6q#86471_86472	6	66306426-66315333	8908	EGFL1	Inf	1	0.02	0.00
8p#108316_108334	8	10249514-10420881	171368	MSRA, AK123327, AK054782, AK124536, UNQ9391	0	1	0.00	0.00
6q#86401_86404	6	64926452-65034301	107850		Inf	1	0.02	0.00
6q#86488_86491	6	66545290-66567772	22483		0	1	0.00	0.00
18q#203766_203785	18	41853397-41992871	139475	PSTPIP2, ATP5A1, CCDC5	0	1	0.00	0.00
18q#203797_203871	18	42100323-42794639	694317	C012190, RNF165, BX647229, LOXHD1, ST8SIA5, PIAS	0	1	0.00	0.00
18q#203984_204002	18	44294570-44448005	153436	KIAA0427	0	1	0.00	0.00
8p#108273_108276	8	9794829-9808074	13246		0	1	0.00	0.00
8p#108278_108314	8	9819192-10228088	408897	BC040270, MSRA	0	1	0.00	0.00
8p#108813_108819	8	17018353-17067472	49120	EFHA2, AK123312, ZDHHC2	0	1	0.00	0.00
6q#87010_87019	6	73906544-73990828	84285	KCNQ5, C6orf148	0	1	0.00	0.00
6q#87050_87058	6	74275613-74355263	79651	EEF1A1	0	1	0.00	0.00
6q#86320_86329	6	63230960-63574834	343875		Inf	1	0.02	0.00

18q#203872_203899	18	42794592-43024789	230198	KATNAL2, HDHD2, IER3IP1, FUSSEL18	0	1	0.00	0.00
18q#203949_203983	18	43722034-44285725	563692	ZBTB7C, AB027121	0	1	0.00	0.00
6q#86397_86400	6	64787807-64882387	94581		Inf	1	0.02	0.00
6q#86405_86428	6	65075925-65630675	554751		Inf	1	0.02	0.00
6q#86473_86475	6	66326140-66347023	20884	EGFL11, BX537914	0	1	0.00	0.00
6q#86480_86487	6	66400762-66534202	133441	BX537914	0	1	0.00	0.00
6q#87020_87024	6	74001013-74038037	37025	C6orf148, BC035766	0	1	0.00	0.00
18q#203900_203948	18	43034290-43714707	680418	BC040860, AK126373, SMAD2	0	1	0.00	0.00
6q#86476_86479	6	66353041-66381971	28931	BX537914	0	1	0.00	0.00
2p#23840_24083	2	56257099-60745949	4488851	B067499, BC036434, VRK2, FANCL, AK055400, AK056	0	1	0.00	0.00
2p#24093_24104	2	60926294-61047841	121548	PAPOLG, AK122786, REL	0	1	0.00	0.00
2p#24225_24357	2	62169941-63631739	1461799	T2, TMEM17, AK124081, BC038779, EHBPI, OTX1, AF2	0	1	0.00	0.00
4q#66720_66725	4	183614388-183650791	36404	AF195420	0	1	0.00	0.00
6p#86230_86231	6	58415224-58444270	29047		0	1	0.00	0.00
7q#101535_101569	7	94183854-94496618	312765	PPP1R9A	0	1	0.00	0.00
7q#100683_100718	7	83913158-84422394	509237	SEMA3D, AY358937	0	1	0.00	0.00
4q#63873_63900	4	142656232-143203535	547304	IL15	0	1	0.00	0.00
21q#220761_220990	21	43470240-44844797	1374558	PDXK, CSTB, D21S2056E, BC034348, AK128598, AGPA	0	1	0.00	0.00
6p#86055_86102	6	56082068-56623951	541884	COL21A1, AF330693, DST	0	1	0.00	0.00
6p#86130_86167	6	56912335-57238341	326007	U31851, C6orf65, KIAA1586, ZNF451, BAG2, RAB23	0	1	0.00	0.00
6p#86211_86224	6	57683389-58163017	479629		0	1	0.00	0.00
6p#86232_86241	6	58476527-58788747	312221		0	1	0.00	0.00
2p#23470_23839	2	51212928-56243747	5030820	7078, AK124553, FLJ42562, RTN4, AK056000, FLJ314	0	1	0.00	0.00
2p#24105_24224	2	61061211-62163447	1102237	71, AK075484, AHS2, USP34, AB011142, XPO1, AK09	0	1	0.00	0.00
2p#25682_25721	2	79092494-79514662	422169	REG3G, REG1B, REG1A, AK126561, REG3A, AK12722	0	1	0.00	0.00
7q#100674_100682	7	83696868-83894860	197993	BX647900	0	1	0.00	0.00
4q#63595_63623	4	139492171-140213709	721539	SLC7A11	0	1	0.00	0.00
4q#63849_63872	4	142375582-142632566	256985	RNF150, AK130520, ZNF330	0	1	0.00	0.00
2p#21996_22047	2	33275047-33728546	453500	LTBP1, RASGRP3, FAM98A	0	1	0.00	0.00
2p#22623_22682	2	42093418-42630712	537295	BC047907, LOC91461, EML4, COX7A2L, KCNG3	0	1	0.00	0.00
2p#22683_22725	2	42636708-43186798	550091	AK128743, MTA3, AK127245, OXER1, HAAO, CR60070	0	1	0.00	0.00
2p#22839_23117	2	44340398-47157869	2817472	55, SRBD1, PRKCE, EPAS1, ATP6V1E2, CR622607, R	0	1	0.00	0.00
2p#23118_23123	2	47164743-47206153	41411	TTC7A	0	1	0.00	0.00
2p#23124_23432	2	47213377-50885914	3672538	2860, KCNK12, AK223284, MSH6, FBXO11, BC007278,	0	1	0.00	0.00
2p#23433_23452	2	50893764-51048781	155018	NRXN1	0	1	0.00	0.00
2p#23453_23469	2	51054500-51202674	148175	NRXN1, AK127244	0	1	0.00	0.00
2p#25722_25882	2	79524999-80985364	1460366	AK127226, CTNNA2	0	1	0.00	0.00
2q#33160_33203	2	185775256-186717764	942509	BC039382, FSIP2, CR936597, FLJ44048	0	1	0.00	0.00
4q#63624_63640	4	140227532-140420668	193137	CCRN4L, ELF2, CR620999	0	1	0.00	0.00
4q#63641_63658	4	140439190-140619789	180600	CR620999, OSAP, NDUFC1, BC107682, NARG1	0	1	0.00	0.00
4q#63659_63802	4	140629951-141949047	1319097	B, SETD7, MGST2, MAML3, SCOC, CLGN, LOC152586	0	1	0.00	0.00
6p#85792_85798	6	52814272-52855628	41357	GSTA5, AK056855	0	1	0.00	0.00
21q#220991_221042	21	44848147-45131658	283512	221orf29, AK127406, UBE2G2, SUMO3, PTTG1IP, ITGB	0	1	0.00	0.00
20q#215462_215482	20	35316053-35499961	183909	GHRH, MANBAL, SRC	0	1	0.00	0.00
17q#200463_200467	17	77303484-77405263	101780	AF338198, DYSFIP1, P4HB	0	1	0.00	0.00
17q#200452_200462	17	77248628-77296853	48226	AF338198, HGS, MRPL12, SLC25A10	0	1	0.00	0.00
17q#200368_200375	17	76619712-76669012	49301	FLJ90757, BAIAP2	0	1	0.00	0.00
17q#200599_200604	17	78399855-78444496	44642	TBCD	0	1	0.00	0.00
20q#215547_215558	20	36202094-36295238	93145	TGM2, KIAA1755	0	1	0.00	0.00
20q#215567_215583	20	36374658-36493874	119217	BPI, LBP, AK090932, BX640887	0	1	0.00	0.00
20q#217733_217742	20	61446244-61522234	75991	CHRNA4, AB209359, Y15065, KCNQ2	Inf	1	0.02	0.00
20q#217837_217855	20	62156028-62250968	94941	TCEA2, RGS19, OPRL1	0	1	0.00	0.00
20q#215620_215656	20	36840898-37379013	538116	PPP1R16B, FAM83D, DHX35, BC043524	0	1	0.00	0.00
20q#215658_215676	20	37488367-38089627	581261		0	1	0.00	0.00
20q#215677_215689	20	38116418-38491467	375050		0	1	0.00	0.00

20q#215694_215701	20	38728858-38809768	80911	MAFB		0	1	0.00	0.00
20q#215720_215740	20	39175954-39369651	193698	TOP1, BC035080, PLOG1, ZHX3, AB007855		0	1	0.00	0.00
20q#215748_215782	20	39431796-39785060	353265	AK124874, CHD6		0	1	0.00	0.00
20q#216241_216243	20	43972883-43983014	10132	PLTP		0	1	0.00	0.00
20q#216244_216261	20	43989006-44078612	89607	FLJ40606, C20orf67, ZNF335, MMP9		0	1	0.00	0.00
20q#217642_217647	20	60845536-60883035	37500	NTSR1, AK092644		0	1	0.00	0.00
20q#217529_217530	20	59912030-59919730	7701	CDH4	0.692294348		1	0.02	0.02
20q#217541_217543	20	60039825-60059059	19235	TAF4	0.692294348		1	0.02	0.02
20q#217631_217641	20	60760865-60837804	76940	SLCO4A1, CR616855, NTSR1	0		1	0.00	0.00
20q#217648_217676	20	60888983-61050126	161144	C20orf20, OGFR, COL9A3, TCFL5, DIDO1, C20orf11	0		1	0.00	0.00
20q#217716_217722	20	61328622-61367207	38586	BIRC7, C20orf58, G43498	0		1	0.00	0.00
18q#202809_202816	18	28467152-28549920	82769	KLHL14	0		1	0.00	0.00
14q#172178_172186	14	49028644-49116280	87637	AK055143, RPS29	0		1	0.00	0.00
7q#99362_99372	7	67292740-67639037	346298		0		1	0.00	0.00
18q#202757_202808	18	27899909-28446564	546656	RNF125, RNF138, MEP1B, FAM59A	0		1	0.00	0.00
12q#156218_156269	12	61457051-62377603	920553	AB032983, AK023315, AVPR1A, DPY19L2	Inf		1	0.02	0.00
7p#98315_98331	7	47436535-47649041	212507	AK056440, AF076844, PKD1L1	0		1	0.00	0.00
14q#172123_172135	14	47378183-47724376	346194		0		1	0.00	0.00
14q#172171_172177	14	48847087-49004794	157708		0		1	0.00	0.00
7p#97741_97764	7	40225102-40431343	206242	C7orf10	0		1	0.00	0.00
7p#97765_97782	7	40441189-40598208	157020	C7orf10	Inf		1	0.02	0.00
7q#99357_99361	7	67154330-67261780	107451		0		1	0.00	0.00
14q#172773_172791	14	54614636-54711907	97272	LGALS3, DLG7	0		1	0.00	0.00
7p#97783_97876	7	40610203-42215142	1604940	C7orf10, BX647937, BC033981, INHBA, BC037931, GLI3	0		1	0.00	0.00
14q#171652_171678	14	39331807-39910617	578811		0		1	0.00	0.00
14q#171686_171784	14	40010378-42042603	2032226	BX248273, LRFN5, BC043513	0		1	0.00	0.00
7q#100004_100013	7	75351497-75498406	146910	BC035989, AK094263	0		1	0.00	0.00
14q#172146_172148	14	48034769-48116116	81348		0		1	0.00	0.00
14q#172157_172170	14	48461919-48825745	363827		0		1	0.00	0.00
7q#104480_104488	7	128040042-128093021	52980	NAG6, FLNC	0		1	0.00	0.00
7q#104517_104521	7	128315533-128363868	48336		0		1	0.00	0.00
14q#172670_172689	14	53704713-53964015	259303	GDKN3, CNIH	0		1	0.00	0.00
7q#101816_101820	7	97479900-97507776	27877	LMTK2, BX648200, DKFZP434B0335	0		1	0.00	0.00
7q#99253_99301	7	65423455-65905847	482393	LMTK2, AK127790, RABGEF1, AK093373, FLJ1009	0		1	0.00	0.00
7q#99341_99356	7	66705646-67126128	420483	66, KCTD7, AK127790, RABGEF1, AK093373, FLJ1009	0		1	0.00	0.00
7q#99510_99518	7	69391039-69462062	71024	AK056289	0		1	0.00	0.00
12q#157492_157503	12	78340296-78490693	150398	AUTS2	0		1	0.00	0.00
12q#161768_161779	12	130801317-130911411	110095	SYT1, PAWR	Inf		1	0.02	0.00
7q#99955_100003	7	74978130-75340478	362349	SFRS8	0		1	0.00	0.00
7q#106952_106956	7	153202314-153297512	95199	002581, CCL26, CCL24, RHBD2, POR, TMPIT, STYX1	0		1	0.00	0.00
7q#104522_104542	7	128371739-128544017	172279	DPP6	0		1	0.00	0.00
7q#101806_101810	7	97402540-97434037	31498	TSPAN33, SMO, KIAA0828	0		1	0.00	0.00
7q#101811_101815	7	97443935-97471050	27116	LMTK2	0		1	0.00	0.00
7q#102058_102068	7	99398162-99453217	55056	LMTK2	0		1	0.00	0.00
7q#102094_102150	7	99676327-99969625	293299	FLJ10925, GAL3ST4, GPC2, STAG3	0		1	0.00	0.00
7q#106875_106878	7	151623614-151743961	120348	FLJ37538, HRBL, LRCH4, FBXO24, PCOLCE, CR606927	0		1	0.00	0.00
7q#107303_107312	7	156808930-156859202	50273		0		1	0.00	0.00
7q#101821_101822	7	97515561-97525420	9860	AK098637, PTPRN2	0		1	0.00	0.00
7q#99490_99496	7	69238175-69288332	50158	DKFZP434B0335	0		1	0.00	0.00
7q#99498_99505	7	69304172-69355522	51351	AUTS2	0		1	0.00	0.00
7q#102006_102057	7	99108714-99392632	283919	AUTS2	0		1	0.00	0.00
7q#102159_102178	7	100045123-100184952	139830	91, BC022382, ZKSCAN1, AK056630, ZNF38, ZNF3, CO	0		1	0.00	0.00
7q#102179_102182	7	100194836-100226770	31935	EPHB4, BC006217, SLC12A9, TRIP6, ARS2, ACHE	0		1	0.00	0.00
7q#102183_102187	7	100242447-100281214	38768	BC006217	0		1	0.00	0.00
7q#106879_106923	7	151757726-152558100	800375	BC006217, MUC17	0		1	0.00	0.00
				XRCC2, ACTR3B	0		1	0.00	0.00

7q#106924_106946	7	152567688-153088980	521293	DPP6	0	1	0.00	0.00
7q#106947_106951	7	153097195-153185109	87915	DPP6	0	1	0.00	0.00
7q#106957_106994	7	153306561-153661527	354967	DPP6	0	1	0.00	0.00
7q#107178_107211	7	155552015-155956928	404914	AK090852, AF439977, C7orf13, RNF32	0	1	0.00	0.00
7q#107212_107285	7	155969175-156649036	679862	LMBR1, NOM1, AY927457, HLBX9, BC022831, BC0948	0	1	0.00	0.00
7q#107367_107406	7	157318086-157677370	359285	PTRN2	0	1	0.00	0.00
7q#107431_107432	7	157883991-157892303	8313		0	1	0.00	0.00
7q#107446_107451	7	158006798-158063417	56620	FAM62B	0	1	0.00	0.00
7q#107452_107454	7	158070702-158085832	15131	FAM62B	0	1	0.00	0.00
12q#157340_157354	12	76355136-76727700	372565	NAV3	0	1	0.00	0.00
12q#157363_157405	12	76801208-77338106	536899	NAV3, BC045810	0	1	0.00	0.00
12q#157406_157485	12	77368746-78278340	909595	AK055805, AK094616, SYT1	Inf	1	0.02	0.00
12q#157504_157516	12	78500836-78633946	133111	PAWR	0	1	0.00	0.00
12q#157517_157545	12	78654777-78951744	296968	PPP1R12A, BC037874	0	1	0.00	0.00
12q#157546_157553	12	78998250-79135624	137375		0	1	0.00	0.00
12q#161826_161832	12	131284641-131320853	36213	BC063603, DDJ51, NOC4L	0	1	0.00	0.00
17q#195118_195120	17	23210891-23246334	35444	AK097755	0.686886232	1	0.03	0.05
20q#214855_214868	20	30090385-30233376	142992	HCK, AK126534, TM9SF4	0	1	0.00	0.00
20q#214932_215008	20	30793762-31418317	624556	BPIL1, AY927631, BPIL3, C20orf185, C20orf186, C20o	0	1	0.00	0.00
17q#196483_196487	17	35942093-35965572	23480	CCR7	0	1	0.00	0.00
17q#196459_196468	17	35779708-35840994	61287	TOP2A	Inf	1	0.02	0.00
17q#196488_196493	17	35973933-36031701	57769	CCR7	0	1	0.00	0.00
16p#186504_186511	16	3186299-3236580	50282	OR1F1, ZNF200, MEFV	1.398928118	1	0.03	0.02
16p#186649_186683	16	4335629-4588070	252442	L833954, CORO7, DNAJA3, AK128595, NMRAL1, HMO	1.398928118	1	0.03	0.02
17q#200388_200416	17	76749430-76966451	217022	J44861, AZI1, C17orf56, MGC15523, C17orf55, TMEM1	Inf	1	0.02	0.00
20q#215398_215434	20	34742767-35040872	298106	NDRG3, C20orf172, C20orf117, C20orf118, SAMHD1	0	1	0.00	0.00
20q#215446_215449	20	35163023-35193291	30269	C20orf132	0	1	0.00	0.00
17q#200417_200419	17	76973760-77000894	27135		Inf	1	0.02	0.00
17q#200428_200436	17	77072640-77127279	54640	CR590345, ACTG1, FSCN2, C17orf70	Inf	1	0.02	0.00
17q#200420_200426	17	77012812-77053240	40429	ABO40880, BC033222	Inf	1	0.02	0.00
17q#195670_195680	17	27898350-27989973	91624	MYO1D	0	1	0.00	0.00
17q#195681_195721	17	27998636-28380048	381413	YO1D, TMEM98, CR617078, AY358653, SPACA3, ACC1	0	1	0.00	0.00
17q#195789_195809	17	28971479-29176298	204820	ACCN1	0	1	0.00	0.00
5q#70754_70771	5	52109445-52229968	120524	PELO, ITGA1	0	1	0.00	0.00
7p#98892_98900	7	55921886-55961853	39968	SUMF2, PHKG1, Y10275, CHCHD2	0	1	0.00	0.00
7p#98675_98685	7	52374026-52646160	272135		0	1	0.00	0.00
6q#87252_87269	6	76687994-76852953	164960	IMPG1	0	1	0.00	0.00
6q#87153_87156	6	75698247-75787079	88833		0	1	0.00	0.00
6q#87157_87215	6	75814700-76314693	499994	L12A1, COX7A2, TMEM30A, BC042026, AL832009, FIL	0	1	0.00	0.00
6q#87231_87251	6	76498451-76678155	179705	MYO6	0	1	0.00	0.00
6q#87270_87272	6	76896935-76958476	61542		0	1	0.00	0.00
10p#128980_129016	10	11509342-11906717	397376	AK128425, D13644, ECHDC3, C10orf47	Inf	1	0.02	0.00
7p#98901_98928	7	55973561-56418064	444504	AL713776, BC035176	0	1	0.00	0.00
7p#98929_98944	7	56425629-56569274	143646		0	1	0.00	0.00
7p#98975_98980	7	57285295-57323930	38636	AK131575	0	1	0.00	0.00
6q#87145_87152	6	75511718-75657066	145349		0	1	0.00	0.00
12q#159214_159228	12	102290867-102449896	159030	C12orf42, BC041342	0	1	0.00	0.00
6q#87138_87144	6	75419418-75473056	53639	AF086303	0	1	0.00	0.00
6q#87222_87230	6	76412623-76490972	78350	SENP6	0	1	0.00	0.00
18q#204271_204327	18	47174275-48351914	1177640	AK094936, DCC	0	1	0.00	0.00
12q#160075_160154	12	111035243-111931428	896186	AB014514, C12orf51, RPL6, PTFN11, RPH3A, OAS1, AJ	0	1	0.00	0.00
7p#98583_98612	7	50531811-50927822	396012	GRB10, COBL	0	1	0.00	0.00
7p#98949_98974	7	57036241-57278054	241814		0	1	0.00	0.00
18q#203609_203611	18	40090823-40161066	70244	BC051727	0	1	0.00	0.00
6q#86333_86342	6	63711568-63986751	275184		0	1	0.00	0.00

12q#158062_158073	12	87056389-87258409	202021	TMTC3, CR749309	0	1	0.00	0.00
6p#86175_86177	6	57321183-57333618	12436	PRIM2A	0	1	0.00	0.00
12q#159195_159213	12	102109003-102278568	169566	BC039352, C12orf42	0	1	0.00	0.00
7q#101705_101722	7	95806954-96058317	251364	SHFM1	0	1	0.00	0.00
18q#206429_206442	18	75987864-76111023	123160	KIAA0863, AK056304, PARD6G	0	1	0.00	0.00
2p#26403_26404	2	89947246-89953772	6527	AY942117	0	1	0.00	0.00
12q#160044_160074	12	110771592-111024451	252860	MAPKAPK5, AL833501, TMEEM116, ERP29, C12orf30	0	1	0.00	0.00
12q#158108_158183	12	88142818-89767081	1624264	DUSP6, WDR51B, ATP2B1	0	1	0.00	0.00
12q#158215_158274	12	90042153-91294869	1252717	DCN, BC029844, BTG1, BC044741	0	1	0.00	0.00
12q#158862_158867	12	98479949-98533225	53277	ANKS1B	0	1	0.00	0.00
6p#85884_85962	6	53832332-54873372	1041041	LRRC1, BX640790, C6orf142, TINAG, FAM83B	0	1	0.00	0.00
7q#101581_101632	7	94604155-95093000	488846	PON3, PON2, ASB4, AK096449, PDK4, DYNC111	0	1	0.00	0.00
7q#101651_101704	7	95280074-95786850	506777	DYNC111, AK057770, SLC25A13, FLJ42280	0	1	0.00	0.00
7q#101732_101759	7	96269018-96582367	313350	AK095619, DLX6, DLX5, ACN9	0	1	0.00	0.00
12q#161925_161933	12	132153240-132199510	46271	ZNF26	0	1	0.00	0.00
12q#154675_154692	12	47682992-47780712	97721	PRKAG1, MLL2, RHEBL1, DHH, LMBR1L	0	1	0.00	0.00
12q#154693_154702	12	47787603-47847026	59424	LMBR1L, K-ALPHA-1, CR611979	0	1	0.00	0.00
12q#155061_155085	12	50620029-50836389	216361	CVR1B, GRASP, AK131566, NR4A1, C12orf44, BC04204	0	1	0.00	0.00
12q#155170_155261	12	51324904-51886396	561493	AK096419, K5B, KRT8, KRT18, EIF4B, CR590020, TENC	0	1	0.00	0.00
12q#155262_155364	12	51890624-52682726	792103	3K12, TARBP2, NPFF, AK054879, ATF7, ATP5G2, CAL	0	1	0.00	0.00
12q#155371_155420	12	52713037-53064217	351181	AK056315, CR605190, CBX5, HNRPA1, BC070315, NF	0	1	0.00	0.00
12q#155421_155426	12	53069325-53089178	19854	AK222845, ITGA5	0	1	0.00	0.00
12q#157829_157844	12	83621897-83864365	242469	SLC6A15	0	1	0.00	0.00
12q#157862_157921	12	84116330-84980205	863876	CART1, PAMCI, NTS, MGAT4C	0	1	0.00	0.00
12q#158074_158103	12	87329145-88031716	702572	KITLG	0	1	0.00	0.00
12q#158104_158107	12	88052191-88127932	75742		0	1	0.00	0.00
12q#158184_158214	12	89797929-90029263	231335	AK058107, C12orf12, DSPG3, KERA, LUM	0	1	0.00	0.00
12q#158390_158403	12	92701929-92932895	230967	CRADD	0	1	0.00	0.00
12q#158412_158422	12	93087244-93175872	88629	PLXNC1	0	1	0.00	0.00
12q#158844_158861	12	98309212-98464072	154861	ANKS1B	0	1	0.00	0.00
12q#158868_158904	12	98537024-98858032	321009	ANKS1B	0	1	0.00	0.00
12q#158932_158942	12	99108686-99216305	107620	ACTR6, BC042997, DEPDC4, SCYL2	0	1	0.00	0.00
12q#160040_160043	12	110743557-110765888	22332	MAPKAPK5	0	1	0.00	0.00
12q#161172_161189	12	122879725-123028735	149011	AB095937, CCDC92, ZNF664	0	1	0.00	0.00
12q#161190_161202	12	123039912-123298611	258700	BC033539	0	1	0.00	0.00
12q#161217_161221	12	123410815-123446212	35398	NCOR2	0	1	0.00	0.00
12q#161262_161268	12	123935760-123977577	41818	DHX37	0	1	0.00	0.00
12q#161270_161297	12	123995524-124330686	335163	DHX37, BRI3BP, AF284094, AACS	0	1	0.00	0.00
12q#161298_161303	12	124342137-124361815	19679	TMEEM132B	0	1	0.00	0.00
12q#161304_161408	12	124370912-126509640	2138729	7846, AK056757, BC038735, BC035235, AY070435, BC	0	1	0.00	0.00
12q#161934_161957	12	132212891-132389426	176536	ZNF84, AK055603, ZNF140, ZNF10, ZNF268	0	1	0.00	0.00
21q#220218_220255	21	39236689-39570019	333331	DSCR2, BRWD1	0	1	0.00	0.00
22q#224834_224842	22	44826287-44855543	29257	FLJ27365, CR602657, AK127117	0	1	0.00	0.00
17q#195304_195327	17	24597516-24818277	220762	CRYBA1, NUFIP2, AK130695, TAOK1	1.044194198	1	0.05	0.05
17q#195328_195339	17	24826833-24908884	82052	TAOK1, BC037740	0.686886232	1	0.03	0.05
17q#195352_195353	17	24966191-24974576	8386	CORO6	1.044194198	1	0.05	0.05
17q#195381_195391	17	25252649-25344477	91829	SSH2, EFCAB5	0.686886232	1	0.03	0.05
12q#156083_156091	12	59896093-60060553	164461		Inf	1	0.02	0.00
12q#156119_156192	12	60562567-61271545	708979	FAM19A2, AK123580, USP15, MON2	Inf	1	0.02	0.00
7p#97682_97715	7	39620624-40007905	387282	CDC2L5, C7orf11, C7orf10	0	1	0.00	0.00
7p#98268_98269	7	46870882-46877151	6270		0	1	0.00	0.00
12q#156867_156999	12	69197447-70560662	1363216	5, PTPRR, TSPAN8, BC070168, LGR5, PSRC2, THAP2	0.692294348	1	0.02	0.02
12q#157098_157122	12	72011151-72552300	541150		Inf	1	0.02	0.00
12q#157201_157202	12	74043114-74050342	7229	CAPS2	Inf	1	0.02	0.00
7q#104814_104975	7	131334006-132940552	1606547	046770, PLXNA4B, FLJ40288, AK024938, CHCHD3, EXC	0	1	0.00	0.00

7q#104446_104455	7	127716117-127876131	160015	METTL2B, BC062355	0	1	0.00	0.00
7q#105900_105912	7	142013862-142097321	83460	LOC647353, AF088770, EPHB6, TRPV6	0	1	0.00	0.00
7q#106534_106558	7	148595996-148842034	246039	ZNF746, FLJ12700	0	1	0.00	0.00
7q#106560_106568	7	148859310-148916158	56849	KIAA1862, ZNF467, AK127639	0	1	0.00	0.00
7q#106575_106576	7	148962198-148968735	6538	AK123170	0	1	0.00	0.00
7q#105861_105889	7	141691765-141958975	267211	LOC647353	0	1	0.00	0.00
7q#106852_106866	7	151381852-151531364	149513	MLL3	0	1	0.00	0.00
7q#102072_102078	7	99467298-99584527	117230	GATS, AK055274, PILRB	0	1	0.00	0.00
7q#105897_105899	7	141993812-142009048	15237	LOC647353	0	1	0.00	0.00
7q#106472_106533	7	148015411-148589828	574418	621137, ZNF425, ZNF398, ZNF282, ZNF212, LOC155066	0	1	0.00	0.00
7q#106569_106574	7	148921623-148933654	32032	AK127639, AB111888	0	1	0.00	0.00
7q#106582_106598	7	149005573-149428016	422444	LOC401431, ATP6V0E2L, BX640643	0	1	0.00	0.00
7q#106817_106851	7	151011325-151373799	362475	PRKAG2, GALNTL5, GALNT11, MLL3	0	1	0.00	0.00
7q#107076_107112	7	154524178-154880691	356514	NSIG1, AY166699, AK054822, AK123150, EN2, AK09444	0	1	0.00	0.00
12q#157123_157151	12	72567193-73170242	603050	BC061638	Inf	1	0.02	0.00
20q#215690_215693	20	38563486-38702361	138876		0	1	0.00	0.00
20q#215741_215747	20	39383030-39422658	39629	LPIN3	0	1	0.00	0.00
16p#186029_186054	16	74248-244508	170261	MPG, C16orf35, LUC7L, ITFG3	Inf	1	0.02	0.00
16p#186055_186059	16	250794-273800	23007	ITFG3, RGS11, ARHGDIG, PDIA2	0.692294348	1	0.02	0.02
16p#186060_186067	16	279960-336442	56483	AXIN1	0.692294348	1	0.02	0.02
16p#186079_186091	16	390584-479146	88563	NME4, DECR2, BC064904, RAB11FIP3	0.692294348	1	0.02	0.02
16p#186092_186093	16	486776-496767	9992	RAB11FIP3	0.692294348	1	0.02	0.02
17q#195471_195508	17	26095238-26401177	305940	CRLF3, C17orf41, C17orf42, CENTA2, AK092436, RNF13	0	1	0.00	0.00
17q#195509_195550	17	26409508-26783013	373506	NF1, RAB11FIP4	0	1	0.00	0.00
5p#67494_67495	5	719885-726001	6117	TPPP	0	1	0.00	0.00
20q#215081_215092	20	32090081-32202715	112635	RALY, CR623780, EIF2S2	0	1	0.00	0.00
20q#214784_214791	20	29575050-29630772	55723	HM13	0	1	0.00	0.00
20q#214792_214854	20	29635963-30078820	442858	AJ272502, MYLK2, FKHL18, AK097430, DUSP15, TTL	0	1	0.00	0.00
20q#215009_215080	20	31425674-32084370	658697	CBFA2T2, APBA2BP, E2F1, PXMP4, ZNF341, CHMP4	0	1	0.00	0.00
20q#215093_215129	20	32233259-32584682	351424	ASIP, AHCY, AK097610, ITCH, AK096092, DYNLRB1	0	1	0.00	0.00
20q#215130_215135	20	32589008-32619855	30848	DYNLRB1, MAP1LC3A, CDC91L1	0	1	0.00	0.00
14q#177897_177901	14	106017453-106056671	39219	AK125079	0	1	0.00	0.00
14q#177902_177916	14	106061322-106205906	144585	AK125079, Z47244	0	1	0.00	0.00
14q#174089_174134	14	67662397-68027480	365084	RAD51L1	0	1	0.00	0.00
14q#177895_177896	14	105994646-106002238	7593	AK125079	0	1	0.00	0.00
7q#99126_99129	7	63922403-64011163	88761	BX649060	0	1	0.00	0.00
18q#202817_202819	18	28555707-28575939	20233	KLHL14	0	1	0.00	0.00
14q#170534_170539	14	26152867-26243871	91005		0	1	0.00	0.00
7p#98876_98883	7	55815158-55871609	56452	GBAS, PSPH	0	1	0.00	0.00
18q#202820_202901	18	28589320-29493314	903995	KLHL14, C18orf34, BX648108, AK131454	0	1	0.00	0.00
18q#202912_202913	18	29636646-29660811	24166		0	1	0.00	0.00
18q#202925_202994	18	29770832-30591954	821123	NOL4, DTNA	0	1	0.00	0.00
14q#170505_170510	14	25845033-25966517	121485		0	1	0.00	0.00
14q#170523_170533	14	26063985-26138885	74901	NOVA1	0	1	0.00	0.00
7p#98332_98355	7	47655913-47847264	191352	PKD1L1, AF076844, HUS1, SUNC1	0	1	0.00	0.00
14q#171155_171159	14	34155635-34188725	33091	SNX6	0	1	0.00	0.00
14q#171304_171313	14	35569062-35773622	204561		0	1	0.00	0.00
18q#202902_202911	18	29507707-29611344	103638	AK131454, AB051500	0	1	0.00	0.00
14q#171101_171106	14	33436341-33477868	41528	EGLN3	0	1	0.00	0.00
14q#171316_171353	14	35817248-36180067	362820	MBIP, AY102071, TITF1, NKX2-8, AY0644415	0	1	0.00	0.00
14q#177862_177863	14	105680951-105693640	12690	LOC652848	0	1	0.00	0.00
7q#99130_99198	7	64053979-64959972	905994	LOC441242, VKORC1L1, GUSB	0	1	0.00	0.00
7q#99519_99528	7	69476649-69540459	63811	AUTS2	0	1	0.00	0.00
14q#172753_172772	14	54468138-54602502	134365	WDHD1, SOCS4, AF085897, C14orf32	0	1	0.00	0.00
14q#170503_170504	14	25759212-25805900	46689		0	1	0.00	0.00

14q#170116_170130	14	22113248-22259371	146124	DAD1, AK095409, ABHD4	0	1	0.00	0.00
14q#171296_171303	14	35396910-35543632	146723	BRMS1L	0	1	0.00	0.00
14q#171785_171826	14	42055846-43227015	1171170	BC043513	0	1	0.00	0.00
14q#171107_171154	14	33487508-34147004	659497	EGLN3, C14orf147, C14orf11, SNX6	0	1	0.00	0.00
14q#171314_171315	14	35795148-35809441	14294		0	1	0.00	0.00
14q#171354_171365	14	36188230-36250332	62103	AK124214, PAX9, BC001159, SLC25A21	0	1	0.00	0.00
14q#171844_171852	14	43692760-43884075	191316		0	1	0.00	0.00
14q#171859_171871	14	44018575-44224074	205500	AL136775, C14orf155	0	1	0.00	0.00
14q#172690_172752	14	53972827-54456716	483890	CNIH, GMFB, GRRF1, SAMD4A, GCH1	0	1	0.00	0.00
7q#102151_102152	7	99977919-99981765	3847	ZAN	0	1	0.00	0.00
7q#99199_99252	7	64980069-65416882	436814	ASL, RCP9, BC052570, TPST1, LOC285908, AL117552	0	1	0.00	0.00
7q#99302_99311	7	65910367-66016467	106101	RSAFD1	0	1	0.00	0.00
7q#99320_99340	7	66145067-66674535	529469	RSAFD1, D38438, AK023257	0	1	0.00	0.00
7q#99543_99649	7	69684962-70836109	1151148	AUTS2, WBSCR17, CALN1	0	1	0.00	0.00
12q#161789_161796	12	130998226-131065516	67291	MMP17, ULK1	0	1	0.00	0.00
18q#206002_206064	18	71165120-71976754	811635	LOC284274, BC037384, BC043002	0	1	0.00	0.00
6p#86182_86194	6	57385752-57511924	126173	PRIM2A	0	1	0.00	0.00
14q#171827_171843	14	43248811-43672160	423350		0	1	0.00	0.00
14q#171872_171919	14	44259404-44714102	454699	C14orf28, AK090972, BTBD5, KIAA0423, PRPF39, FKB	0	1	0.00	0.00
7q#107463_107471	7	158168687-158244753	76067	WDR60	0	1	0.00	0.00
7q#102153_102158	7	99990574-100039988	49415	ZAN	0	1	0.00	0.00
7q#102227_102230	7	100483528-100502304	18777	AK091729	0	1	0.00	0.00
12q#161783_161787	12	130950352-130987450	37099	SFRS8, MMP17	0	1	0.00	0.00
18q#205520_205644	18	63952985-65691372	1738388	NDC10, AK091108, CR749520, CCDC102B, DOK6, CD	0	1	0.00	0.00
18q#205932_206001	18	70588187-71152747	564561	ZNF407, AB051490, ZADH2, TSHZ1	0	1	0.00	0.00
18q#205490_205493	18	63419131-63469362	50232	BC053410	0	1	0.00	0.00
18q#206065_206194	18	71985222-73379609	1394388	LJ44313, AK093936, AK094957, FLJ44881, BC032908,	0	1	0.00	0.00
7q#99312_99319	7	66026517-66116784	90268	RSAFD1	0	1	0.00	0.00
7q#99650_99662	7	70843197-70940108	96912	CALN1	0	1	0.00	0.00
7q#99663_99708	7	70949080-71369977	420898	CALN1, AF282250	0	1	0.00	0.00
7q#107407_107423	7	157685406-157808369	122964	PTPRN2	0	1	0.00	0.00
7q#107424_107430	7	157817763-157875342	57580	PTPRN2	0	1	0.00	0.00
7q#107455_107462	7	158091172-158158754	67583	FAM62B, WDR60	0	1	0.00	0.00
12q#155107_155121	12	50977596-51069304	91709	AJ238246, KRTHB6, KRTHB3, KRTHB5, KRTHB4	0	1	0.00	0.00
12q#155461_155498	12	53336728-53708822	372095	22845, SBEM, AB018291, CR600998, NEUROD4, BC04	0	1	0.00	0.00
12q#157554_157724	12	79146679-81335047	2188369	MYF5, BC041400, LIN7A, FLJ21963, PPFIA2, BC031963,	0	1	0.00	0.00
12q#158747_158749	12	97418949-97434047	15099	TMPO	0	1	0.00	0.00
12q#161798_161825	12	131075319-131276926	201608	PUS1, EP400, AK126212, EP400NL	0	1	0.00	0.00
18q#205512_205519	18	63737102-63923394	186293		0	1	0.00	0.00
18q#205737_205750	18	67282403-67593083	310681	BX648957	0	1	0.00	0.00
18q#205928_205931	18	70555198-70582162	26965	ZNF407	0	1	0.00	0.00
20q#215184_215191	20	33032847-33046708	13862	MYH7B	0	1	0.00	0.00
20q#215138_215164	20	32650093-32875951	225859	CDC91L1, TP53INP2, NCOA6	0	1	0.00	0.00
20q#215192_215217	20	33049575-33259421	209847	MYH7B, TRPC4AP, EDEM2, PROCR	0	1	0.00	0.00
6q#87884_87930	6	87697052-88061788	364737	24925, HTR1E, CGA, BC040712, AK123473, BX537746,	0	1	0.00	0.00
6q#86742_86758	6	71044197-71233124	188928	COL9A1, KIAA1411	Inf	1	0.02	0.00
6q#86688_86729	6	70508442-70898510	390069	LMBRD1, COL19A1	0	1	0.00	0.00
6q#86730_86736	6	70908533-70975198	66666	COL19A1	Inf	1	0.02	0.00
6q#87775_87790	6	85426488-85660482	233995	BC040697	0	1	0.00	0.00
6q#87931_87946	6	88079350-88177138	97789	JB7, AF311339, C6orf162, BC032824, C6orf163, C6orf16	0	1	0.00	0.00
6q#87957_87968	6	88278243-88350130	71888	SLC35A1, RARSL	0	1	0.00	0.00
6q#88074_88163	6	89846398-90587527	741130	CY1L2, GABRR1, GABRR2, UBE2J1, AK127507, RRAG	0	1	0.00	0.00
6q#88218_88237	6	91152410-91436233	283824	MAP3K7	0	1	0.00	0.00
6q#89932_89940	6	118331314-118413577	82264	SLC35F1	0	1	0.00	0.00
8p#109914_109918	8	29181358-29240892	59535		0	1	0.00	0.00

8p#109844_109913	8	28510865-29174810	663946	EXTL3, CR749646, RC74, HMBOX1, BX648950, KIF13E	0	1	0.00	0.00
8p#107838_107841	8	3553426-3575764	22339	CSMD1	0	1	0.00	0.00
6q#86686_86687	6	70485537-70500516	14980	LMBRD1	0	1	0.00	0.00
6q#87947_87956	6	88184801-88272557	87757	C6orf165, AK127976, SLC35A1	0	1	0.00	0.00
6q#87969_88073	6	88355973-89838046	1482074	BL, C6orf166, AY927642, SPACA1, CNR1, X54937, AK13	0	1	0.00	0.00
6q#89941_89968	6	118421507-118665604	244098	SLC35F1	0	1	0.00	0.00
6q#90605_90625	6	127553329-127748286	194958	RSPO3, AF251057, AK027346, RNF146, ECHDC1	0	1	0.00	0.00
18p#201899_201903	18	14210766-14501952	291187	BC089388, BX649118	0	1	0.00	0.00
8p#109753_109843	8	27642521-28492281	849761	BK, SCARA5, AB075870, ELP3, PNOC, ZNF395, AK098	0	1	0.00	0.00
6q#86759_86789	6	71242696-71539084	296389	KIAA1411, AB037832, C6orf57, SMAP1	Inf	1	0.02	0.00
8p#107752_107793	8	2795154-3144098	348945	CSMD1	0	1	0.00	0.00
8p#107842_107843	8	3581943-3589811	7869	CSMD1	0	1	0.00	0.00
8p#108436_108475	8	11282316-11673472	391157	01563, C8orf13, BLK, AJ291678, AK097060, GATA4, NE	0	1	0.00	0.00
6q#86683_86685	6	70448295-70468565	20271	LMBRD1	0	1	0.00	0.00
6q#86790_86819	6	71546652-71890997	344346	SMAP1, B3GAT2	Inf	1	0.02	0.00
6q#92306_92319	6	148743192-148877175	133984	SASH1	0	1	0.00	0.00
6q#90117_90121	6	121036304-121165701	129398		0	1	0.00	0.00
6q#90487_90528	6	126035173-126432819	397647	35066, BC036196, HEY2, NCOA7, AL834442, HINT3, C6	0	1	0.00	0.00
6q#90626_90630	6	127769119-127812016	42898	KIAA0408	0	1	0.00	0.00
6q#91160_91165	6	133868442-133908133	39692	EYA4, BC041459	0	1	0.00	0.00
6q#93068_93088	6	158371782-158534567	162786	SYNJ2, SERAC1	0	1	0.00	0.00
9q#127630_127646	9	135377514-135535203	157690	BC034752	0	1	0.00	0.00
8p#109191_109192	8	21952702-21957424	4723	FGF17	0	1	0.00	0.00
8p#107844_107889	8	3600889-3699092	368204	CSMD1	0	1	0.00	0.00
8p#107943_108032	8	4469031-6103232	1634202	CSMD1	0	1	0.00	0.00
8p#108045_108046	8	6314990-6327454	12465	MCPH1	0	1	0.00	0.00
8p#108423_108435	8	11182417-11272720	90304	MTMR9, AJ301562, AJ301563	0	1	0.00	0.00
8p#109571_109714	8	25707513-27319983	1612471	27, BNIP3L, PNMA2, AK092377, DPYSL2, ADRA1A, S8	0	1	0.00	0.00
8p#107720_107751	8	2360755-2787396	426642	BC030605, AK128880, AB209502, CSMD1	0	1	0.00	0.00
9q#126724_126726	9	127638568-127650860	12293	AY007211, FPGS	0	1	0.00	0.00
18p#201894_201898	18	14112462-14196283	83822	ZNF519, AK092114	0	1	0.00	0.00
6q#92116_92238	6	146266512-147559939	1293428	H, GRM1, RAB32, AK097570, AL832192, AK125216, BC	0	1	0.00	0.00
6q#92370_92377	6	149459143-149655040	195898		0	1	0.00	0.00
6q#90290_90352	6	123773133-124442679	669547	TRDN, AJ489257, TCBA1	0	1	0.00	0.00
6q#90359_90486	6	124521619-126013641	1492023	CB1, AL713649, AK122811, IBRDC1, TPD52L1, HDDC	0	1	0.00	0.00
6q#91088_91159	6	132997201-133860142	862942	N1, VNN3, VNN2, C6orf192, RPS12, BC039371, LOC28	0	1	0.00	0.00
6q#86820_86823	6	71936550-72027604	91055		Inf	1	0.02	0.00
6q#86855_86857	6	72186398-72199812	13415	C6orf155, BC110999	Inf	1	0.02	0.00
8p#108047_108079	8	6335349-6572190	236842	MCPH1, AGRAT5	0	1	0.00	0.00
8p#109186_109190	8	21924422-21949785	25364	NPM2	0	1	0.00	0.00
8p#109414_109418	8	23601167-23638409	37243		0	1	0.00	0.00
8p#109473_109504	8	24445499-24928891	483393	NEF3, NEFL	0	1	0.00	0.00
8p#109506_109568	8	24974024-25661825	687802	DOCK5, GNRH1, KCTD9, CDCA2, AK130123	0	1	0.00	0.00
8p#109715_109734	8	27326201-27495755	169555	PTK2B, CHRNA2, EPHX2	0	1	0.00	0.00
8p#109750_109751	8	27608848-27615693	6846	AK092563	0	1	0.00	0.00
8p#107890_107942	8	3977295-4461648	484354	CSMD1	0	1	0.00	0.00
9q#126727_126774	9	127655865-127954727	298863	NAC6, ST6GALNAC4, PIP5KL1, DPM2, FAM102A, C9o	0	1	0.00	0.00
6q#86677_86682	6	70358095-70442859	84765	LMBRD1	0	1	0.00	0.00
6q#92089_92115	6	146048948-146257015	208068	EPM2A, AK124757, FLJ44955, FBXO30, SHPRH	0	1	0.00	0.00
6q#92663_92672	6	152371813-152537699	165887	ESR1, BX640939, SYNE1	0	1	0.00	0.00
6q#90353_90358	6	124453345-124505072	51728	TCBA1	0	1	0.00	0.00
6q#92378_92401	6	149677122-149880194	203073	MAP3K7IP2, AK090441, CR613874, PPIL4	0	1	0.00	0.00
6q#92673_92750	6	152548389-153377512	829124	SYNE1, MYCT1, AK021612, VIP	0	1	0.00	0.00
18p#201796_201797	18	13120190-13132646	12457		0	1	0.00	0.00
18p#201798_201804	18	13167036-13230891	63856	BC041855, C18orf1	Inf	1	0.02	0.00

8p#109372_109413	8	23204278-23595343	391066	R591817, LOXL2, BC034477, ENTPD4, SLC25A37, NKX1	0	1	0.00	0.00
8p#109569_109570	8	25680595-25697219	16625	AK130123	0	1	0.00	0.00
8p#109419_109472	8	23656762-24440266	783505	STC1, ADAM28, ADAMDEC1, ADAM7, BC043207	0	1	0.00	0.00
4p#56748_56761	4	39966852-40116066	149215	N4BP2, RHOH	0	1	0.00	0.00
6q#92076_92088	6	145897597-146043184	145588	EPM2A	0	1	0.00	0.00
6q#92402_92403	6	149890631-149897537	6907	PPIL4	0	1	0.00	0.00
17p#194418_194426	17	14031025-14107200	76176	COX10, BC017752	0	1	0.00	0.00
18q#201929_201943	18	16793851-16910108	116258	ROCK1	0	1	0.00	0.00
17p#194427_194441	17	14124451-14309047	184597	HS3ST3B1	0	1	0.00	0.00
10p#128882_128887	10	9761044-9888913	125870	Inf	Inf	1	0.02	0.00
6p#85383_85393	6	47278531-47379050	100520	TNFRSF21	0	1	0.00	0.00
6p#85482_85495	6	48454193-48935376	481184		0	1	0.00	0.00
4p#54160_54165	4	1816323-1861898	45576	LETM1, BC052254, WHSC1	0	1	0.00	0.00
18q#201944_202044	18	16919560-17925678	1006119	CK1, KIAA1772, ESCO1, SNRPD1, ABHD3, BC014186, I	0	1	0.00	0.00
4p#54167_54181	4	1879545-2018612	139068	WHSC1, WHSC2	0	1	0.00	0.00
2p#24358_24376	2	63641769-63833319	191551	LOC51057, MDH1	0	1	0.00	0.00
2p#24645_24711	2	67206391-68330669	1124279	TAA16, BC028245, C1D, AK058090, LOC116143, LOC54	0	1	0.00	0.00
2p#24868_24889	2	69738986-69983003	244018	AAK1, AB209457, ANXA4, GMCL1	0	1	0.00	0.00
4q#66670_66719	4	182428449-183608282	1179834	AF088005, AK056196, AK024300, AF195420	0	1	0.00	0.00
21q#220738_220760	21	43314482-43465598	151117	PKNOX1, CBS, U2AF1, CRYAA	0	1	0.00	0.00
4q#57715_57738	4	55313934-55678902	364969	BC043566, KIT	Inf	1	0.02	0.00
6p#86225_86229	6	58261050-58401337	140288	GUSBL2	0	1	0.00	0.00
6p#85496_85503	6	48961281-49196351	235071		0	1	0.00	0.00
18q#202045_202063	18	17945381-18248612	303232	AK123079, GATA6, X95701, CTAGE1	0	1	0.00	0.00
2q#33084_33088	2	184748257-184884905	136649		0	1	0.00	0.00
22q#223599_223625	22	35709715-35852133	142419	C35206, TST, MPST, KCTD17, TmprSS6, AY358398, IL	0	1	0.00	0.00
4p#54182_54185	4	2025970-2046661	20692	FLJ37478, POLN	0	1	0.00	0.00
4p#54249_54261	4	2815841-2906779	90939	BC022996, SH3BP2, ADD1	0	1	0.00	0.00
4q#66662_66669	4	182207266-182409177	201912	AF088005	0	1	0.00	0.00
21q#220709_220737	21	43087629-43310084	222456	DR4, AK056041, NDUJF3, BC005107, AK024918, PKNC	0	1	0.00	0.00
22q#223589_223598	22	35639794-35706169	66376	BC070085, CSF2RB	0	1	0.00	0.00
22q#223626_223630	22	35856497-35881761	25265	IL2RB	0	1	0.00	0.00
6p#86205_86210	6	57620628-57648080	27453	PRIM2A	0	1	0.00	0.00
2p#22337_22349	2	38304314-38463957	159644	MGC34824, BC039050, ARL6IP2	0	1	0.00	0.00
2p#24712_24724	2	68339548-68436596	97049	PPP3R1, AY183476, AY144596, C2orf32	0	1	0.00	0.00
2p#24862_24867	2	69690778-69730207	39430	AAK1	0	1	0.00	0.00
2p#25516_25630	2	75959564-78173520	2213957	AK122612, LRRTM4, BC030125	0	1	0.00	0.00
2p#25671_25681	2	78745308-79059699	314392		0	1	0.00	0.00
2p#20458_20743	2	14867514-19959130	5091617	M49A, VSNL1, SMC6L1, FLJ40869, BC035863, KCNS3,	0	1	0.00	0.00
6p#85504_85516	6	49231488-49482167	250680		0	1	0.00	0.00
2p#20319_20382	2	11944311-12853833	909523	AK001558, BC039108, TRIB2	0	1	0.00	0.00
2p#21050_21075	2	24435619-24793202	357584	ITSN2, AK026273, NCOA1	0	1	0.00	0.00
6p#85605_85611	6	50582022-50735078	153057	CR592675	0	1	0.00	0.00
2p#20383_20389	2	12867106-13069860	202755	AK123120	0	1	0.00	0.00
4q#63575_63594	4	139044849-139482728	437880	BC042886, BC040999, SLC7A11	0	1	0.00	0.00
4q#65622_65647	4	166308236-166535436	227201	TRIM60, FLJ38482, KLHL2	0	1	0.00	0.00
22q#223631_223658	22	35891343-36050179	158837	C1QTNF6, AK128125, SSTR3, RAC2, PSCD4	0	1	0.00	0.00
22q#223702_223741	22	36359074-36546253	187180	AK126873, PDXP, LGALS1, MGC3731, DQ278603, TR	0	1	0.00	0.00
22q#224845_224880	22	44874040-45079672	205633	A, LOC150383, PKDREJ, FLJ20699, GTSE1, TRMU, CE	0	1	0.00	0.00
22q#224886_224893	22	45121943-45177725	55783	CELSR1	0	1	0.00	0.00
22q#225377_225388	22	49413635-49509153	95519	BC045765, AB051437, ACR, MGC70863	0	1	0.00	0.00
22q#224881_224885	22	45087304-45112953	25650	CELSR1	0	1	0.00	0.00
2p#19673_19693	2	3222551-3444177	221627	ALLC	0	1	0.00	0.00
2p#19724_19810	2	3944989-5046384	1101396	BC047589, TSSC1, TTC15, ADI1	0	1	0.00	0.00
2p#19811_19941	2	5055882-7869575	2813694	32, FLJ41046, BC044918, FLJ42418, LOC129607, RSA4	0	1	0.00	0.00

2p#19942_19984	2	7902039-8421620	519582	BC043361, BC043563, LOC339789	0	1	0.00	0.00
2p#19985_20001	2	8432176-8773444	341269	BX641130, ID2	0	1	0.00	0.00
2p#20390_20457	2	13088643-14806151	1717509	3120, CR614284, BC035112, AY928977, FAM84A, AK09	0	1	0.00	0.00
2p#21711_21848	2	30141881-31765794	1623914	YCAT, CAPN13, GALNT14, AL713663, AK092257, EHD3	0	1	0.00	0.00
2p#22048_22060	2	33733799-33903907	170109	FAM98A	0	1	0.00	0.00
2p#22061_22336	2	33941976-38290535	4348560	BC040851, SUL16B1, AY289773, BC065768, CEBPZ, A	0	1	0.00	0.00
2p#22350_22616	2	38474956-42012383	3537428	MOPT, AK123375, SOS1, CDKL4, MAP4K3, BC042073, A	0	1	0.00	0.00
2p#22617_22622	2	42022278-42083619	61342	BC047907	0	1	0.00	0.00
2p#25465_25515	2	75303894-75951697	647804	TACR1, FLJ13391, MRPL19, C2orf3	0	1	0.00	0.00
2p#25883_25891	2	81030999-81400122	369124		0	1	0.00	0.00
2p#25892_25909	2	81421591-81783963	362373		0	1	0.00	0.00
2p#25910_26044	2	81810809-84994098	3183290	55, SUCLG1, FLJ37357, U61736, BC015442, AB051484,	0	1	0.00	0.00
2q#33089_33125	2	184896349-185350464	454116	AF315091, C2orf10	0	1	0.00	0.00
2q#33126_33158	2	185356361-185709196	352836	C2orf10	0	1	0.00	0.00
2q#33289_33375	2	187985210-189231644	1246435	CALCRL, TFPI, CR618142, GULP1	0	1	0.00	0.00
2q#33376_33434	2	189240520-190120239	879720	GULP1, DIRC1, COL3A1, COL5A2	0	1	0.00	0.00
2q#33576_33657	2	191703887-192689325	985439	AT1, STAT4, MYO1B, OBFC2A, AK130181, SDPR, TMEI	0	1	0.00	0.00
6p#85517_85563	6	49494429-49898560	404132	K126371, C6orf141, RHAG, CRISP2, AK126282, CRISP3	0	1	0.00	0.00
6p#85564_85604	6	49910953-50570749	659797	SP1, BC028577, DEFB114, DEFB110, DEFB112, CR592	0	1	0.00	0.00
6p#85612_85791	6	50772248-52803157	2030910	17A, IL17F, MCM3, PAQR8, EFHC1, TRAM2, AK095117	0	1	0.00	0.00
21q#221043_221123	21	45136971-45694357	557387	170, BC036902, BC027456, BC004343, ADARB1, AF426	0	1	0.00	0.00
22q#223659_223701	22	36056231-36355279	299049	1FNG, BC051720, CARD10, CDC42EP1, LGALS2, AK173	0	1	0.00	0.00
22q#223742_223821	22	36549481-37075881	526401	2F, AK094034, SOX10, AK124758, PICK1, SLC16A8, BA	0	1	0.00	0.00
22q#223822_223846	22	37082820-37227248	144429	U61101, AK092269, KCNJ4, KDELR3, DDX17	0	1	0.00	0.00
12q#156049_156082	12	58891105-59849186	958082		0	1	0.00	0.00
14q#177856_177858	14	105609466-105630148	20683	LOC652848	Inf	1	0.02	0.00
7p#98223_98267	7	45737633-46857567	1119935	AF119858	0	1	0.00	0.00
7q#106673_106685	7	149992558-150088808	96251	ABP1, KCNHD	0	1	0.00	0.00
7q#106599_106672	7	149437384-14990479	553096	GIMAP8, GIMAP7, GIMAP4, GIMAP6, GIMAP2, CR6081	0	1	0.00	0.00
7q#106744_106809	7	150406845-150959130	552286	YREN18, LOC349136, AK095986, BC043605, CRYGN, R	0	1	0.00	0.00
5p#67480_67485	5	607274-647823	40550	AF251188	0	1	0.00	0.00
5p#67486_67493	5	654179-714208	60030	AF251188, Cep72, TPPP	0	1	0.00	0.00
17q#195944_195946	17	30647014-30687866	40853		Inf	1	0.02	0.00
11q#144925_144934	11	66460753-66540649	79897	PC, AK024280	1.044194198	1	0.05	0.05
11q#144935_144939	11	66545630-66574841	29212	AK024280, SYT12	0.686886232	1	0.03	0.05
11q#144921_144924	11	66425910-66454424	28515	PC	1.413401461	1	0.07	0.05
17q#196174_196188	17	33103030-33242217	139188	TCF2	Inf	1	0.02	0.00
17q#195810_195824	17	29186416-29326607	140192	ACCN1	0	1	0.00	0.00
17q#196091_196092	17	32319140-32333913	14774		0.692294348	1	0.02	0.02
17q#196087_196090	17	32221174-32295670	74497		0.692294348	1	0.02	0.02
17q#196093_196122	17	32354376-32624485	270110	LHX1, AATF, ACACA	0.692294348	1	0.02	0.02
17q#196123_196136	17	32631171-32749708	118538	ACACA	0.692294348	1	0.02	0.02
20q#214744_214766	20	29297270-29454941	157672	DEFB115, DEFB118, DEFB119	0	1	0.00	0.00
5q#70805_70835	5	52607229-53020103	412875	FST, NDUFS4	0	1	0.00	0.00
5q#70793_70804	5	52422451-52584276	161826	ITGA2, MOCS2, AK097893	0	1	0.00	0.00
5q#70772_70792	5	52241970-52418550	176581	ITGA1, ITGA2	0	1	0.00	0.00
17q#195081_195095	17	22775124-22907242	132119	U43586, KSR1	0.686886232	1	0.03	0.05
17q#196073_196082	17	31984772-32056457	71686	ZNF403, MGC4172, MRM1	0	1	0.00	0.00
20q#214768_214781	20	29462577-29548916	86340	AF479700, AY122474, DEFB123, DEFB124, REM1	0	1	0.00	0.00
20q#214869_214874	20	30242293-30267582	25290	PLAGL2, POFUT1	0	1	0.00	0.00
20q#214875_214931	20	30274523-30779593	505071	AL122043, C20orf112, AK097804, BC023657, LOC1499	0	1	0.00	0.00
16p#187912_187934	16	20240233-20454588	214356	GP2, JM0D, PDILT, FLJ20581, LOC123876	1.398928118	1	0.03	0.02
16p#187935_187944	16	20471437-20616154	144718	ACSM2, ACSM1	1.398928118	1	0.03	0.02
16p#186068_186078	16	340652-387016	46365	AXIN1, MRPL28, TME8, BC028568, CR595773	0.692294348	1	0.02	0.02
12q#156092_156118	12	60080023-60553839	473817	FAM19A2	Inf	1	0.02	0.00

7p#97716_97740	7	40021815-40218122	196308	C7orf10	0	1	0.00	0.00
7q#106867_106871	7	151549860-151573746	23887	MLL3, CR621082	0	1	0.00	0.00
7p#97877_97998	7	42236645-43692609	1455965	L32, HECW1, AL049342, STK17A, AK023053, FLJ10803	0	1	0.00	0.00
12q#155962_156001	12	57255690-57921366	665677	AK093124, LRIG3	0	1	0.00	0.00
12q#157000_157024	12	70574871-70900694	325824	TBC1D15, TPH2	0.692294348	1	0.02	0.02
12q#157063_157097	12	71235217-71977191	741975	TRHDE	0.692294348	1	0.02	0.02
12q#157184_157200	12	73858003-74027792	169790	KCNC2, AK093193, CAPS2	0.692294348	1	0.02	0.02
7q#99928_99954	7	73935333-74963877	1028545	BC002581, PMS2L3, HIP1	0	1	0.00	0.00
7q#106872_106874	7	151582346-151608937	26592		0	1	0.00	0.00
7q#102079_102093	7	99590278-99673037	82760	PILRB, G30875, PILRA, ZCWPW1, BCDIN3	0	1	0.00	0.00
7q#102188_102225	7	100289076-100475392	186317	SERPINE1, AP1S1, VGF, FLJ39237, MOGAT3, PLOD3,	0	1	0.00	0.00
7q#99710_99737	7	71447664-71845796	398133	BC068520, POM121	0	1	0.00	0.00
7q#99738_99757	7	72145065-72309840	164776	FKBP6, BAZ1B	0	1	0.00	0.00
7q#99758_99762	7	72314166-72348206	34041	BAZ1B	0	1	0.00	0.00
7q#107113_107177	7	154890035-155543038	653004	AK091942, BC011923, PRR8, RBM33, SHH	0	1	0.00	0.00
7q#107492_107498	7	158543578-158618042	74465		0	1	0.00	0.00
12q#157152_157183	12	73192322-73841902	649581	KCNC2	0.692294348	1	0.02	0.02
12q#161834_161838	12	131337505-131358965	21461	GALNT9, AK055773	0	1	0.00	0.00
16p#187658_187661	16	16183557-16189888	6332	ABCC6	Inf	1	0.02	0.00
5p#67455_67456	5	399277-409281	10005	AHRR	0	1	0.00	0.00
5p#67607_67633	5	1749947-1976546	226600	MRPL36, NDUFS6, IRX4, BC039383	0	1	0.00	0.00
5p#67542_67546	5	1176967-1212917	35951		0	1	0.00	0.00
5p#67534_67541	5	1109693-1163662	53970	SLC12A7	0	1	0.00	0.00
11q#145017_145020	11	67110297-67130661	20365	GSTP1, C11orf72	0.686886232	1	0.03	0.05
20q#214782_214783	20	29557170-29564743	7574		0	1	0.00	0.00
20q#215136_215137	20	32629586-32639947	10362	CDC91L1	0	1	0.00	0.00
1q#10461_10463	1	143603866-143699091	95226	AF379624, AF419616	Inf	1	0.02	0.00
20q#215165_215183	20	32886539-33025895	139357	GGTL3, ACSS2, GSS	0	1	0.00	0.00
1q#10554_10568	1	144609277-144966209	356933	AF419616, GPR89A, FLJ39739	Inf	1	0.02	0.00
5p#67457_67479	5	417108-601131	184024	AHRR, AB033060, AF251188, EXOC3, SLC9A3	0	1	0.00	0.00
5p#67635_67655	5	1994560-2252849	258290		0	1	0.00	0.00
11q#144890_144895	11	66189604-66220971	31368	RBM4B, SPTBN2	1.044194198	1	0.05	0.05
11q#144883_144889	11	66147400-66185199	37800	RBM14, TMEEM137, AK126761, RBM4	1.044194198	1	0.05	0.05
11q#144917_144920	11	66393580-66414050	20471	PC	1.413401461	1	0.07	0.05
12q#156046_156048	12	58765949-58842286	76338		0	1	0.00	0.00
7p#97999_98010	7	43696076-43773074	76999	URG4, UBE2D4, BX537878	0	1	0.00	0.00
7p#98157_98158	7	44870567-44876800	6234	CCM2	0	1	0.00	0.00
7p#98173_98222	7	44997028-45733479	736452	RAMP3, ADCY1, AL832059, CR624698, IGFBP1, IGFBP	0	1	0.00	0.00
7q#99898_99912	7	73425153-73528079	102927	LOC442582	0	1	0.00	0.00
12q#156035_156044	12	58485533-58709003	223471		0	1	0.00	0.00
16q#191081_191082	16	69417987-69424016	6030	AL137259	0	1	0.00	0.00
14q#170098_170102	14	21958644-21993843	35200	BC063432	0	1	0.00	0.00
7p#98159_98172	7	44885528-44988904	103377	CCM2, AK096229, AB002361, TBRG4, RAMP3	0	1	0.00	0.00
7q#99885_99897	7	73336839-73419914	83076	LOC442582	0	1	0.00	0.00
7q#99913_99927	7	73535047-73930477	395431	LOC442582, WBSCR16	0	1	0.00	0.00
3q#51060_51078	3	163997236-164251630	254395	BC019327	0	1	0.00	0.00
7q#99763_99786	7	72357881-72487475	129595	BAZ1B, BCL7B, TBL2, MLXIPL	0	1	0.00	0.00
7q#99787_99884	7	72494206-73328261	834056	CLDN3, CLDN4, WBSCR27, WBSCR28, ELN, LIMK1, W	0	1	0.00	0.00
14q#174399_174438	14	70303363-70729379	426017	MAP3K9, AK096500, PCNX	0	1	0.00	0.00
14q#174071_174088	14	67522999-67653859	130861	RAD51L1	0	1	0.00	0.00
14q#174135_174142	14	68033522-68094037	60516	RAD51L1	0	1	0.00	0.00
7p#98885_98891	7	55891299-55914821	23523	PSPH, CCT6A, SUMF2	0	1	0.00	0.00
14q#177891_177894	14	105962305-105985517	23213	AK125079	0	1	0.00	0.00
14q#170564_170603	14	26766506-27739732	973227	BX538140, BC043425	0	1	0.00	0.00
14q#170423_170426	14	24180739-24282763	102025		0	1	0.00	0.00

14q#170540_170545	14	26258473-26375750	117278			0	1	0.00	0.00
14q#170604_170609	14	27760739-27908686	147948			0	1	0.00	0.00
19p#208872_208884	19	20621912-20776633	154722	ZNF626, BC067843, AK131420		0	1	0.00	0.00
7q#99529_99530	7	69547629-69560312	12684	AUTS2		0	1	0.00	0.00
17p#194814_194820	17	19083766-19141363	57598	EPN2		0	1	0.00	0.00
18q#202995_203015	18	30598575-30790392	191818	DTNA		0	1	0.00	0.00
10p#128123_128136	10	899657-1020185	120529	LARP5, AK130873		0	1	0.00	0.00
14q#170546_170562	14	26401312-26736467	335156			0	1	0.00	0.00
19q#211800_211827	19	58451334-58687515	236182	LOC91661, BC017357, AK055464, LOC147804, BC10		Inf	1	0.02	0.00
12q#161866_161881	12	131669440-131808636	139197	AY945262, AB046765, P2RX2		0	1	0.00	0.00
7p#98946_98948	7	56615553-57020362	404810			0	1	0.00	0.00
7q#99531_99542	7	69574837-69678160	103324	AUTS2		0	1	0.00	0.00
14q#170427_170468	14	24314763-24787018	472256	AL834346, STXBP6		0	1	0.00	0.00
14q#170484_170499	14	25217808-25627778	409971			0	1	0.00	0.00
11q#144460_144461	11	63471535-63478067	6533	NAT11		Inf	1	0.02	0.00
11q#144462_144471	11	63484761-63533092	48332	COX8A, OTUB1, LRP16		Inf	1	0.02	0.00
10p#128163_128176	10	1204216-1311028	106813	ADARB2		0	1	0.00	0.00
10p#128185_128187	10	1386766-1401416	14651	ADARB2		0	1	0.00	0.00
10p#128194_128215	10	1467995-1655741	187747	ADARB2		0	1	0.00	0.00
14q#170469_170483	14	24793808-25196793	402986			0	1	0.00	0.00
14q#170500_170502	14	25654837-25718646	63810			0	1	0.00	0.00
14q#170131_170171	14	22280271-22494175	213905	MRPL52, MMP14, LRP10, FLJ38964, BC106012, RBM23		0	1	0.00	0.00
12q#161864_161865	12	131654094-131661554	7461	AY945262		0	1	0.00	0.00
6p#86178_86180	6	57342153-57362475	20323	PRIM2A		0	1	0.00	0.00
19q#211666_211678	19	57280916-57395032	114117	AK131409, BC032805, ZNF616, AK131308, PPP2R1A		Inf	1	0.02	0.00
19q#211703_211799	19	57628348-58446689	818342	MF468, ZNF320, MGC35402, LOC125893, ZNF702, FLJ3		Inf	1	0.02	0.00
19q#211828_211873	19	58697319-58977777	280459	AK098813, ZNF331, DPRX		Inf	1	0.02	0.00
10p#128177_128184	10	1316962-1378345	61384	ADARB2		0	1	0.00	0.00
14q#170172_170191	14	22498715-22584727	86013	AY927599, JUB, C14orf93, CR607514, PSMB5		0	1	0.00	0.00
12q#161859_161863	12	131586968-131639384	52417			0	1	0.00	0.00
6p#86195_86203	6	57527846-57597885	70040	PRIM2A		0	1	0.00	0.00
6p#85963_85973	6	54881542-55079019	197478	FAM83B		0	1	0.00	0.00
19q#211638_211665	19	57081941-57270123	188183	BC014606, ZNF350, ZNF615, ZNF614, AB018341, ZNF		Inf	1	0.02	0.00
10p#128216_128238	10	1669807-1912336	242530	ADARB2		0	1	0.00	0.00
14q#170192_170223	14	22589130-22839103	249974	C14orf119, CEBPE, SLC7A8, KIAA1443, BC045733, BC0		0	1	0.00	0.00
12q#161204_161211	12	123316593-123373729	57137	FAM101A, NCOR2		0	1	0.00	0.00
12q#161842_161848	12	131430339-131475425	45087	AK055773, AB040672		0	1	0.00	0.00
11q#144540_144543	11	63934113-63975564	41452	AK094364		0	1	0.00	0.00
11q#144561_144577	11	64170732-64288919	118188	NRXN2, RASGRP2, PYGM, SF1		0	1	0.00	0.00
11q#144586_144593	11	64323701-64361174	37474	MAP4K2, MEN1, CDC42BPG		0	1	0.00	0.00
11q#144544_144560	11	63985447-64162947	177501	SLC22A11, SLC22A12, NRXN2		0	1	0.00	0.00
18q#205645_205695	18	65706554-66222735	516182	CD226, RTTN, SOCS6		0	1	0.00	0.00
18q#205494_205496	18	63481146-63515711	34566	BC053410		0	1	0.00	0.00
18q#205751_205882	18	67627281-70170023	2542743	2, NETO1, BC034583, BC071801, FBXO15, C18orf55, C		0	1	0.00	0.00
3q#48150_48153	3	128133869-128161948	28080	CHCHD6		0	1	0.00	0.00
3q#48163_48166	3	128243424-128252627	9204			0	1	0.00	0.00
12q#154432_154482	12	45153451-45901678	748228	BC014370, SLC38A4, AMIGO2, BC072670, FAM113B		0	1	0.00	0.00
12q#154483_154499	12	45907121-46349009	441889	FAM113B, FLJ21908		0	1	0.00	0.00
12q#155086_155106	12	50842460-50974503	132044	01, BC033114, BC038743, BC039104, KRT7, AJ238246		0	1	0.00	0.00
12q#155122_155169	12	51073081-51314889	241809	5, KRT6B, KRT6A, KRT5, M21389, KRT6IRS, K6IRS4, K		0	1	0.00	0.00
12q#155427_155460	12	53097661-53328368	230708	K222845, FAM112B, NCKAP1L, PDE1B, PPP1R1A, LAC		0	1	0.00	0.00
12q#157725_157730	12	81348469-81398821	50353	C12orf26		0	1	0.00	0.00
12q#157731_157745	12	81416567-81668260	251694	TMTC2		0	1	0.00	0.00
12q#157746_157828	12	81680444-83588174	1907731	TMTC2, BC041966		0	1	0.00	0.00
12q#158743_158744	12	97389198-97396846	7649	AK126817		0	1	0.00	0.00

12q#158745_158746	12	97402135-97413416	11282	TMPO		0	1	0.00	0.00
12q#160731_160830	12	119250393-119959443	709051	COQ5, RNF10, POP5, CABP1, KIAA0152, AK126367, A		0	1	0.00	0.00
12q#160905_160921	12	120643785-120756990	113206	568, RHOF, AK096174, BC038786, CR598662, AB02899		0	1	0.00	0.00
12q#161043_161089	12	121846432-122219529	373098	ABCB9, OGFOD2, ARL6IP4, PITPNM2, AB040890, X98		0	1	0.00	0.00
12q#161212_161216	12	123387978-123401074	13097	NCOR2		0	1	0.00	0.00
12q#161849_161857	12	131488972-131560821	71850	AB040672		0	1	0.00	0.00
14q#170224_170269	14	22843491-23088268	244778	MN1, SLC22A17, EFS, IL17E, CMTM5, MYH6, MYH7, AK		0	1	0.00	0.00
18q#205497_205511	18	63538950-63708273	169324	BC053410		0	1	0.00	0.00
18q#205696_205736	18	66244758-67255780	1011023	AY262164		0	1	0.00	0.00
18q#205883_205927	18	70187311-70541250	353940	019628, CNDP2, CNDP1, LOC400657, AK056288, ZNF-		0	1	0.00	0.00
17q#195947_195968	17	30695295-30887596	192302	SLFN11, SLFN12, SLFN13, AK172761		Inf	1	0.02	0.00
17q#195969_195980	17	30901797-30953456	51660	PEX12, AP2B1		0	1	0.00	0.00
17q#195835_195844	17	29432404-29533631	101228	ACCN1, BC062794		Inf	1	0.02	0.00
17q#196167_196173	17	33042292-33093677	51386	AP1GBP1, DDX52		0.692294348	1	0.02	0.02
17q#195825_195828	17	29337434-29363564	26131	ACCN1		0	1	0.00	0.00
16p#187662_187667	16	16199682-16679871	480190	ABCC6		Inf	1	0.02	0.00
16p#186501_186502	16	3159477-3167953	8477	ABCC6		1.398928118	1	0.03	0.02
16p#186121_186125	16	660107-679505	19399	RHOT2, RHBDL1, STUB1, WDR24		0.692294348	1	0.02	0.02
17q#196194_196195	17	33726698-33728168	1471	MRPL45		1.398928118	1	0.03	0.02
17q#196154_196157	17	32920242-32942120	21879	DUSP14		0.692294348	1	0.02	0.02
17q#196196_196202	17	33732520-33787164	54645	MRPL45, GPR179, SOCS7		1.398928118	1	0.03	0.02
17q#196060_196070	17	31897238-31966048	68811	ZNHIT3, MYOHD1, PIGW		0	1	0.00	0.00
17q#196203_196204	17	33794970-33805693	10724	SOCS7		1.398928118	1	0.03	0.02
17q#196137_196153	17	32761352-32911382	150031	ACACA, TADA2L, AK096371		0.692294348	1	0.02	0.02
5p#67423_67430	5	75149-166885	91737			0	1	0.00	0.00
7q#106686_106689	7	150093361-150097479	4119	KCNH2		0	1	0.00	0.00
7q#106690_106692	7	150103400-150113408	10009	KCNH2		0	1	0.00	0.00
7q#106716_106721	7	150223093-150255433	32341	CENTG3		0	1	0.00	0.00
7q#106722_106743	7	150261842-150395163	13322	CENTG3, ASB10, ABCF2, CSG1cA-T, SMARCD3		0	1	0.00	0.00
5q#70733_70749	5	51512135-52005235	493101			0	1	0.00	0.00
5q#70750_70753	5	52022330-52097360	75031			0	1	0.00	0.00
16p#187774_187857	16	18816699-19535016	718318	SYT17, AY358232, BX640722, BC070101, TMC5, MIR1		1.398928118	1	0.03	0.02
16p#186126_186133	16	682624-724711	42088	FBXL16, C16orf24, C16orf25, NARFL		0.692294348	1	0.02	0.02
16p#187655_187657	16	16157049-16174807	17759	ABCC6		Inf	1	0.02	0.00
4q#59770_59849	4	84152888-84884145	731258	4, COPS4, PLAC8, COQ2, AF155510, HPSE, HEL308, M		0	1	0.00	0.00
11p#143360_143383	11	50027176-50335378	308203	BC067889, AB231717		0	1	0.00	0.00
11p#143300_143307	11	48979065-49065556	86492			0	1	0.00	0.00
1p#1550_1556	1	16757397-16833762	76366	AK130020		0	1	0.00	0.00
1q#16664_16679	1	212821407-212992850	171444	USH2A		0.692294348	1	0.02	0.02
1q#16579_16581	1	211795590-211841250	45661	KCNK2		0.686886232	1	0.03	0.05
1q#10458_10460	1	143565999-143586695	20697	AF379624		Inf	1	0.02	0.00
5p#67433_67454	5	191387-390197	198811	KIAA1909, LOC133957, SDHA, PDCD6, AHRR		0	1	0.00	0.00
5p#67511_67533	5	905462-1103606	198145	BRD9, TRIP13, AK126199, NKD2, SLC12A7		0	1	0.00	0.00
5p#67547_67584	5	1222073-1525687	303615	SLC6A18, TERT, CRR9, BC034612, AK127466, SLC6A		0	1	0.00	0.00
5p#67601_67605	5	1685230-1723827	38598	BC045555		0	1	0.00	0.00
5p#67587_67597	5	1552577-1619554	66978	AYTL2		0	1	0.00	0.00
5p#67585_67586	5	1536518-1543921	7404	AYTL2		0	1	0.00	0.00
5p#67598_67600	5	1643202-1659626	16425	BC045555		0	1	0.00	0.00
11q#145014_145016	11	67098983-67109289	10307	GSTP1		0.686886232	1	0.03	0.05
14q#177917_177918	14	106212061-106216785	4725	Z47244		0	1	0.00	0.00
17p#195028_195035	17	21654696-21759405	104710	AK127995, CR616400		0	1	0.00	0.00
12q#155941_155961	12	56649182-57237888	588707			0	1	0.00	0.00
14q#170511_170522	14	25973380-26049821	76442	NOVA1		0	1	0.00	0.00
19q#211913_211926	19	59294758-59358344	63587	SCAR, NDUFA3, TFPT, PRPF31, CNOT3, LENG1, TMC		Inf	1	0.02	0.00
3q#45640_45673	3	97631362-98180589	549228	AK092565		0	1	0.00	0.00

3q#45689_45712	3	98333982-98526530	192549	AK092565		0	1	0.00	0.00
14q#170112_170113	14	22081092-22086438	5347	BC063432		0	1	0.00	0.00
12q#157025_157028	12	70920968-70951089	30122	AK123250, AK095156		0.692294348	1	0.02	0.02
3q#45713_45738	3	98539725-98774146	234422	BC031881		0	1	0.00	0.00
3q#46251_46406	3	105247720-108342376	3094657	ALCAM, CBLB, BC036229		0	1	0.00	0.00
14q#171853_171858	14	43906178-44004786	98609			0	1	0.00	0.00
19q#211886_211912	19	59076848-59283858	207011	AB209671, CACNG7, CACNG8, AK131287, CACNG6, L		Inf	1	0.02	0.00
19q#211927_211948	19	59361468-59497108	135641	MC4, LENG4, TSEN34, RPS9, AK095055, LILRB3, LILR4		Inf	1	0.02	0.00
12q#155933_155933	12	56534042-5658412	51371	BC032840		0	1	0.00	0.00
19q#211949_211966	19	59502178-59618024	115847	LILRA5, LILRA4, LAIR1, AK097869, AF315098		Inf	1	0.02	0.00
19q#211982_211988	19	59734192-59774670	40479	AF315098, LENG12		0	1	0.00	0.00
7q#107472_107477	7	158253281-158314830	61550	BC013024		0	1	0.00	0.00
7q#107478_107490	7	158326714-158427693	100980	VIPR2		0	1	0.00	0.00
12q#155499_155557	12	53714941-54157201	442261	OR6C3, OR6C70		0	1	0.00	0.00
12q#161839_161840	12	131364161-131371184	7024	AK055773		0	1	0.00	0.00
8p#108706_108725	8	15280126-15542864	262739	TUSC3		0	1	0.00	0.00
9q#125391_125394	9	113443211-113464593	21383	AK056275		0	1	0.00	0.00
8p#109924_109942	8	29281419-29673866	392448	BC003524, BC082237		0	1	0.00	0.00
8p#108726_108749	8	15552685-15957359	404675	TUSC3, AK022085		0	1	0.00	0.00
19p#208831_208832	19	20001470-20009611	8142	AK096571		0	1	0.00	0.00
8p#108695_108705	8	14911637-15231200	319564	SGCZ		0	1	0.00	0.00
8p#107693_107699	8	1989140-2051320	62181	MYOM2		0	1	0.00	0.00
8p#107706_107711	8	2145922-2219697	73776			0	1	0.00	0.00
6q#87309_87313	6	78154564-78228889	74326	HTR1B		0	1	0.00	0.00
9q#125395_125396	9	113477324-113502239	24916			0	1	0.00	0.00
6q#86948_86956	6	73385434-73454938	69505	KCNQ5		0	1	0.00	0.00
19p#208821_208830	19	19896223-19996289	100067	ZNF93, AK127015, ZNF682, AK096571		0	1	0.00	0.00
8p#107700_107705	8	2058919-2121457	62539	MYOM2, AY156957		0	1	0.00	0.00
8p#108678_108693	8	14691731-14842050	150320	SGCZ		0	1	0.00	0.00
14q#177869_177877	14	105754664-105818349	63686	LOC652848		0	1	0.00	0.00
6q#87067_87095	6	74436180-74768401	332222	CD109		0	1	0.00	0.00
19p#208851_208852	19	20306423-20319524	13102	AF338193		0	1	0.00	0.00
19p#208885_208890	19	20792989-20900198	107210	CR612655, ZNF85		0	1	0.00	0.00
6q#86933_86947	6	73147323-73375939	228617	RIMS1, AB051866		0	1	0.00	0.00
6q#87303_87308	6	77911423-78115123	203701			0	1	0.00	0.00
19p#208811_208820	19	19784301-19884844	100544	BC034920, ZNF253, ZNF93		0	1	0.00	0.00
6q#87096_87097	6	74827202-74857203	30002	AF086303		0	1	0.00	0.00
6q#87115_87123	6	75126250-75205595	79346	AF086303		0	1	0.00	0.00
6q#87283_87288	6	77305307-77426364	121058			0	1	0.00	0.00
6q#87300_87302	6	77794343-77867869	73527			0	1	0.00	0.00
19p#208866_208871	19	20575842-20617362	41521	CR749233		0	1	0.00	0.00
14q#177866_177868	14	105724107-105742854	18748	LOC652848		0	1	0.00	0.00
19p#208960_208962	19	21791460-21827308	35849	ZNF43, BC017035		0	1	0.00	0.00
10p#128930_128979	10	10955395-11458832	503438	BC033338, CUGBP2		Inf	1	0.02	0.00
10p#129017_129142	10	11917499-13080456	1162958	UPF2, DHTKD1, AB046850, SEC61A2, NUDT5, C10orf		Inf	1	0.02	0.00
10p#129204_129212	10	13692139-13756261	64123	PRPF18, BC002572, FRMD4A		Inf	1	0.02	0.00
18q#204003_204057	18	44456688-44968326	511639	KIAA0427, SMAD7, CR621005, DYM		0	1	0.00	0.00
18q#204207_204222	18	46495400-46625508	130109	MAPK4, MRO, BC029860		0	1	0.00	0.00
18q#204545_204600	18	51059651-51715751	656101	TCF4, BC031056, BC043263		0	1	0.00	0.00
4q#67131_67138	4	187697942-187764251	66310	BC034307		0	1	0.00	0.00
4q#67393_67402	4	190918394-191046079	127686			0	1	0.00	0.00
18q#203090_203251	18	31566422-33105797	1539376	STAT1P1, BC009735, MOCOS, FHOD3, C18orf10, KIAA		0	1	0.00	0.00
18q#203280_203321	18	33381005-34504247	1123243	BRUNOL4		0	1	0.00	0.00
12q#159229_159305	12	102472724-103154163	681440	BC033128, HSP90B1, BC044618, TDG, GLT8D2, AK056		0	1	0.00	0.00
18q#203252_203279	18	33115298-33368643	253346	BRUNOL4		0	1	0.00	0.00

18q#203322_203331	18	34530034-34824147	294114				0	1	0.00	0.00
18q#203385_203596	18	35747449-39686825	3939377	4625, AY762618, PIK3C3, BC011527, BC040725, BC02			0	1	0.00	0.00
18q#204058_204084	18	44979779-45226182	246404	DYM			0	1	0.00	0.00
18q#204178_204206	18	46156249-46480763	324515	C18orf24, MAPK4			0	1	0.00	0.00
18q#204390_204439	18	48918023-49319739	401717	DCC			0	1	0.00	0.00
18q#204601_204645	18	51725803-52512937	787135	BC043263, FLJ45743, TXNL1, WDR7			0	1	0.00	0.00
19p#208806_208809	19	19724242-19758454	34213	BC034236, BC034920			0	1	0.00	0.00
19p#208963_208964	19	21847506-21867647	20142	AB062076			0	1	0.00	0.00
6q#87111_87114	6	75076119-75111778	35660	AF086303			0	1	0.00	0.00
6q#87124_87137	6	75217814-75407689	189876	AF086303			0	1	0.00	0.00
6q#87289_87299	6	77463870-7750243	286374				0	1	0.00	0.00
18q#204223_204270	18	46633439-47149829	516391	ME2, ELAC1, SMAD4, RKHD2			0	1	0.00	0.00
18q#204328_204364	18	48360517-48693251	332735	DCC			0	1	0.00	0.00
4q#66736_66750	4	183739693-183969559	129867	AF195420			0	1	0.00	0.00
10p#128644_128653	10	6364659-6478223	113565	AK128185			Inf	1	0.02	0.00
4q#66726_66735	4	183660448-183733452	73005	AF195420			0	1	0.00	0.00
2p#26393_26401	2	89712785-89929475	216691	Z68978, AY942022			0	1	0.00	0.00
12q#159844_159934	12	108956615-109812362	855748	D1C, C12orf24, AK130510, VPS29, RAD9B, PPTCT7, FLJ			0	1	0.00	0.00
12q#160155_160157	12	111937965-111964933	26969	DTX1			0	1	0.00	0.00
12q#160226_160233	12	112669268-112740678	71411	AK096932, AB014582, RBM19			0	1	0.00	0.00
18q#203597_203608	18	39703954-40050225	346272				0	1	0.00	0.00
18q#202301_202302	18	20865594-20877278	11685				0	1	0.00	0.00
18q#204085_204102	18	45237889-45372585	134697	DYM, LOC497661, RPL17, LIPG			0	1	0.00	0.00
18q#204144_204177	18	45864401-46151967	287567	AB032945, CCDC11, MBD1, CXXC1			0	1	0.00	0.00
18q#204365_204389	18	48698719-48911197	212479	DCC			0	1	0.00	0.00
19p#208797_208805	19	19655009-19716580	61572	AK123904, ZNF14, FLJ46230			0	1	0.00	0.00
12q#159306_159344	12	103171281-103552780	381500	AY057105, TXNRD1, CHST11			0	1	0.00	0.00
7q#101570_101574	7	94512027-94546226	34200	PPP1R9A			0	1	0.00	0.00
4q#67150_67153	4	187863004-187893915	30912	FAT			0	1	0.00	0.00
12q#159699_159843	12	107625929-108949213	1323285	ACACB, FOXN4, AK094906, KCTD10, UBE3B, MMAB,			0	1	0.00	0.00
12q#160158_160225	12	111976632-112657762	681131	orf52, IQCD, TPCN1, AB032995, SLC24A6, LOC196463,			0	1	0.00	0.00
12q#160234_160241	12	112746772-112813602	66831	RBM19			0	1	0.00	0.00
18q#202094_202149	18	18824967-19332543	507577	RBBP8, AK093243, CABLES1, C18orf45, RIOK3			0	1	0.00	0.00
18q#204103_204143	18	45377886-45855753	477868	ACAA2, AK123464, AB032945			0	1	0.00	0.00
12q#159935_159997	12	109817671-110383263	565593	MYL2, AJ276555, CUTL2, FAM109A, LNK, ATXN2			0	1	0.00	0.00
4q#64754_64826	4	154048482-154835865	787384	RFIP1, BC039551, KIAA1727, BC011052, TRIM2, MND1,			0	1	0.00	0.00
4q#64858_64878	4	155227132-155583970	356839	DCHS2			0	1	0.00	0.00
4q#64983_64984	4	156795435-156842879	47445				0	1	0.00	0.00
4q#65826_65908	4	169333759-170148733	814975	ANXA10, FLJ20035, AL832950, CR9333601, PALLD			0	1	0.00	0.00
19p#208793_208796	19	19639317-19649858	10542	ZNF101			0	1	0.00	0.00
12q#154930_155015	12	49602544-50199669	597126	LETMD1, C12orf22, TFCP2, U03495, POU6F1, DAZAP2,			0	1	0.00	0.00
12q#155035_155060	12	50409195-50613261	204067	8A, AK091315, LOC401720, CR936697, ANKRD33, ACV			0	1	0.00	0.00
1p#3989_4012	1	41667210-41854193	186984	HIVEP3			0	1	0.00	0.00
6p#86013_86054	6	55508203-56073913	565711	HMGCLL1, BMP5, COL21A1			0	1	0.00	0.00
12q#158275_158389	12	91304852-92696137	1391286	LOC338809, FLJ46688, EEA1, NUDT4, UBE2N, MRPL4			0	1	0.00	0.00
12q#158404_158411	12	92991698-93077794	86097	PLXNC1			0	1	0.00	0.00
12q#158423_158455	12	93184452-93596530	412079	PLXNC1, CCDC41, TMCC3			0	1	0.00	0.00
12q#159345_159698	12	103565551-107620358	4054808	C033542, POLR3B, RFX4, RIC8B, C12orf23, MTERFD3,			0	1	0.00	0.00
7q#101575_101580	7	94553898-94598694	44797	PPP1R9A, PON1			0	1	0.00	0.00
4q#63803_63848	4	141957640-142366258	408619	TBC1D9, RNF150			0	1	0.00	0.00
4q#63901_64048	4	143241597-145136258	1894662	649090, USP38, GAB1, SMARCA5, AL157495, AX72128			0	1	0.00	0.00
4q#64067_64202	4	145380699-147224446	1843748	6339, ANAPC10, ABCE1, OTUD4, BC035666, SMAD1, C			0	1	0.00	0.00
4q#65819_65825	4	169079347-169294678	215332				0	1	0.00	0.00
4q#64879_64982	4	155591458-156767195	1175738	5GB, FGA, FGG, AK056234, DQ266889, LRAT, MGC270			0	1	0.00	0.00
4q#65909_65970	4	170159734-170336047	676314	PALLD, CBR4, SH3RF1, NEK1			0	1	0.00	0.00

4q#65971_65980	4	170851539-170931943	80405	NEK1, CLCN3		1	0.02	0.00
4q#65981_66013	4	170946783-171321035	374253	LCN3, G36553, FLJ20534, AK125042, AB014526, MFAP		1	0.00	0.00
19p#208791_208792	19	19631525-19633685	2161	ATP13A1		1	0.00	0.00
22q#224843_224844	22	44859790-44867997	8208	PPARA		1	0.00	0.00
1p#3934_3954	1	41003485-41180704	177220	CTPS, SLFNL1, AL157461, SCMH1		1	0.00	0.00
1p#4013_4152	1	41862292-43297210	1434919	AL832217, FLJ20972, PPIH, AF086102, YBX1, CLDN19,		1	0.00	0.00
1p#4244_4265	1	44030821-44148716	117896	3, ARTN, IPO13, DPH2, ATP6V0B, B4GALT2, CCDC24,		1	0.00	0.00
1p#4357_4385	1	45002442-45239145	236704	EIF2B3, HECTD3, UROD, AB040944		1	0.00	0.00
2p#22726_22783	2	43205161-43795376	590216	ZFP36L2, BC032412, THADA, PLEKHH2		1	0.00	0.00
2p#22784_22838	2	43807207-44329864	522658	IH2, AK096400, DYNC2L1, ABCG5, ABCG8, LRPPRC, I		1	0.00	0.00
4q#64049_64066	4	145143997-145380758	236762	GYPE, BC029578, GYPB, S77893		1	0.00	0.00
4q#64203_64210	4	147240957-147421723	180767			1	0.00	0.00
6p#85986_86012	6	55245525-55501058	255534	HCRTR2, UNQ9356, HMGCLL1		1	0.00	0.00
12q#154643_154674	12	47507352-47676698	169347	23, RND1, CCDC65, FKBP11, AK098529, ARF3, WNT10		1	0.00	0.00
12q#154703_154725	12	47851757-48000003	148247	979, TUBA3, CR624182, TUBA6, AK098083, PRPH, AK		1	0.00	0.00
12q#154726_154913	12	48004455-49455722	1451268	283331, AK055142, LOC144233, FAIM2, BC034605, AQ		1	0.00	0.00
12q#158456_158474	12	93633612-93853452	219841			1	0.00	0.00
12q#158501_158523	12	94095336-94233315	137980	FGD6, AK001338, VEZT, CR590554		1	0.00	0.00
12q#158905_158931	12	98870746-99101282	230537	ANKS1B, KIAA0701, GOLGA2L1, ACTR6		1	0.00	0.00
12q#159998_160039	12	110389164-110743393	354230	ATXN2, BRAP, ACAD10, ALDH2, C12orf47		1	0.00	0.00
12q#160520_160693	12	116887878-118981868	2093991	AOK3, SUDS3, KIAA1853, CR595298, HSPB8, AK05749		1	0.00	0.00
12q#161091_161146	12	122237134-122644202	407069	O1, BC030544, SETD8, MGC7036, U1SNRNPBP, FLJ39		1	0.00	0.00
12q#161147_161171	12	122654935-122869656	214722	GTF2H3, C12orf38, ATP6V0A2, DNAH10, AB095937		1	0.00	0.00
12q#161222_161223	12	123456670-123463336	6667	NCOR2		1	0.00	0.00
12q#161224_161230	12	123472282-123530088	57807	NCOR2, AF125672		1	0.00	0.00
12q#161231_161242	12	123537749-123757822	220074	AF125672, AB209089		1	0.00	0.00
12q#161243_161251	12	123769603-123848046	78444	SCARB1		1	0.00	0.00
12q#161252_161261	12	123856557-123929821	73265	SCARB1, AF515445, UBC		1	0.00	0.00
21q#220205_220217	21	39141318-39229893	88576	FLJ45139		1	0.00	0.00
21q#220256_220401	21	39584392-40710914	1126523	WRB, CR600902, C21orf13, SH3BGR, AY372061, C21of		1	0.00	0.00
21q#220402_220461	21	40717881-41090392	372512	DSCAM		1	0.00	0.00
1q#10464_10466	1	143725788-143755693	29906	AF419616		1	0.02	0.00
1q#10507_10546	1	144198177-144558419	360243	AF419616, BCL9, ACP6, GJA5		1	0.02	0.00
1q#10569_10570	1	144975464-145012632	37169	FLJ39739		1	0.02	0.00
1q#15375_15387	1	199087690-199222360	134671	PPP1R12B	1.398928118	1	0.03	0.02
18p#200981_201086	18	3682344-4983795	1301452	DLGAP1, BC039546, BC040718, AK098180, Y12726		1	0.00	0.00
18p#201162_201178	18	5932446-6092850	160405	AK091075, L3MBTL4		1	0.00	0.00
18p#200640_200647	18	207389-255539	48151	THOC1		1	0.00	0.00
6q#89405_89455	6	110760400-111280651	520252	AK127146, DDO, SLC22A16, CDC2L6		1	0.00	0.00
18p#201179_201190	18	6102403-6202799	100397	L3MBTL4		1	0.00	0.00
6q#88241_88269	6	91610500-92579195	968696	BC037927		1	0.00	0.00
18p#200648_200659	18	260154-353293	93140	AK097544, COLEC12		1	0.00	0.00
18p#200787_200810	18	1683081-2010912	327832	BC040589		1	0.00	0.00
18p#201233_201264	18	6837549-7070108	232560	ARHGAP28, AK097613, LAMA1		1	0.00	0.00
6q#87791_87883	6	85693301-87684665	1991365	NT5E, SNX14, AB209098, SYNCRIP, CR624925		1	0.00	0.00
9q#126685_126695	9	127347161-127432039	84879	C9orf88		1	0.00	0.00
6q#88238_88240	6	91474978-91550288	75311			1	0.00	0.00
6q#90159_90165	6	121788231-121831554	43324	GJA1	0.692294348	1	0.02	0.00
18p#201265_201281	18	7075833-7372338	296506	LAMA1		1	0.00	0.00
6q#86737_86740	6	70987208-71018683	31476	COL9A1	Inf	1	0.02	0.00
6q#87756_87774	6	84960035-85383618	423584	KIAA1009		1	0.00	0.00
9q#126696_126699	9	127449761-127475848	26088	STXBP1		1	0.00	0.00
17p#192968_192973	17	625576-651788	26213	C17orf25, RNMTL1, AF151908, NXN		1	0.00	0.00
6q#93496_93501	6	162769733-162812830	43098	PARK2		1	0.00	0.00
6q#93423_93478	6	162083771-162596023	512253	PARK2		1	0.00	0.00

6q#93692_93878	6	165749653-167460246	1710594	3_MGC35308, SFT2D1, AK095077, BRP44L, RPS6KA2, #00566, BC057385, FAM101B, AK123107, BC040223, VCSMD1	0	1	0.00	0.00
17p#192920_192942	17	245006-436332	191327		0	1	0.00	0.00
8p#107828_107837	8	3470621-3546756	76136		0	1	0.00	0.00
6q#91729_91730	6	141338162-141374567	36406		Inf	1	0.02	0.00
6q#92980_92989	6	156939028-157200168	261141	ARID1B	0	1	0.00	0.00
6q#93110_93167	6	158795713-159324613	528901	TULP4, AB037844, DYNLT1, SYTL3, VIL2, LOC202459	0	1	0.00	0.00
6q#93246_93342	6	160227731-161199723	971993	2R, SLC22A1, CR618035, SLC22A2, SLC22A3, AK1259	0	1	0.00	0.00
6q#93983_94112	6	168785034-170366918	1581885	K055570, WDR27, C6orf120, PHF10, TC1E3, C6orf70, C	0	1	0.00	0.00
6q#94125_94163	6	170521599-170943147	421549	KIAA1838, AL832760, AB209078, PSMB1, TBP, PDCD2	0	1	0.00	0.00
9q#126700_126708	9	127482407-127544456	62050	STXBP1, BC032117	0	1	0.00	0.00
6q#933479_93495	6	162606713-162762168	155456	PARK2	0	1	0.00	0.00
6q#93343_93422	6	161254786-162069487	814702	MAP3K4, AGPAT4, PARK2	0	1	0.00	0.00
6q#933879_93982	6	167474829-168778331	1303503	TL2, TCP10, MLLT4, C6orf54, KIF25, FRMD1, AK12596	0	1	0.00	0.00
6q#94113_94124	6	170383692-170509281	125590	AK058183, AK097676, DLL1	0	1	0.00	0.00
8p#107794_107827	8	3155441-3461656	306216	CSMD1	0	1	0.00	0.00
6q#91551_91567	6	138526879-138652652	125774	AF189270, KIAA1244	0.692294348	1	0.02	0.02
6q#91582_91589	6	138802960-138870582	67623	BX647246, AK092744	0.692294348	1	0.02	0.02
6q#91590_91655	6	138876080-139610510	734431	1677, AK092592, CCDC28A, REPS1, AF161398, HECA,	Inf	1	0.02	0.00
6q#91656_91688	6	139623090-140144302	521213	TXLNB, CITED2, BC039503	0	1	0.00	0.00
6q#91689_91728	6	140165728-141313243	1147516	BC039503, BC038188	Inf	1	0.02	0.00
6q#92837_92855	6	154713200-154873840	160641	PIP3-E, BC016684, CNKSR3	0	1	0.00	0.00
18p#201656_201661	18	11874023-11894117	20095	MPPE1	0	1	0.00	0.00
6q#90166_90181	6	121841074-122267014	425941		0.692294348	1	0.02	0.02
6q#91199_91209	6	134300975-134391849	90875	TBPL1, SLC2A12	0	1	0.00	0.00
6q#92948_92979	6	156058600-156910990	852391		0	1	0.00	0.00
6q#92990_93020	6	157212143-157485454	273312	ARID1B	0	1	0.00	0.00
6q#93031_93067	6	158040459-158364414	323956	ZDHC14, AF001629, SNX9	0	1	0.00	0.00
6q#93089_93109	6	158540239-158783105	242867	SERAC1, GTF2H5, AK129771, TULP4	0	1	0.00	0.00
6q#93168_93245	6	159352693-160217415	864723	2, CR618966, FNDC1, SOD2, AK097395, WTAP, ACAT2	0	1	0.00	0.00
9q#126797_126841	9	128074975-128293123	218149	414820, AK025326, TRUB2, COQ4, SLC27A4, C9orf74, 1	0	1	0.00	0.00
8p#109735_109749	8	27501969-27590001	88033	BC033331, CLU, SCARA3	0	1	0.00	0.00
9q#126709_126723	9	127550380-127634880	84501	32117, C9orf117, TTC16, TOR2A, SH2D3C, CDK9, AF08	0	1	0.00	0.00
18p#201580_201613	18	10718283-11206383	488101	AK093284, AK127627, AK098782, C18orf58	0	1	0.00	0.00
6q#92856_92860	6	154879106-154911158	32053	CNKSR3	0	1	0.00	0.00
6q#91210_91215	6	134400994-134452800	51807	SLC2A12	0	1	0.00	0.00
6q#91568_91581	6	138664410-138791891	127482	KIAA1244, HEBP2, BX647246	0.692294348	1	0.02	0.02
6q#92765_92836	6	153453280-154706436	1253157	RGS17, OPRM1, PIP3-E	0	1	0.00	0.00
6q#92882_92903	6	155245792-155519782	273991	RBM16, AB095936, TIAM2	0	1	0.00	0.00
6q#92907_92947	6	155553453-156036577	483125	TIAM2, TFB1M, NOX3	0	1	0.00	0.00
18p#201634_201655	18	11709550-11868142	158593	GNAL	0	1	0.00	0.00
18p#201662_201691	18	11909301-12248043	338743	IMPA2, BX648696, BX649021, CIDEA	0	1	0.00	0.00
18p#201774_201777	18	12955768-12974183	18416	SEH1L	0	1	0.00	0.00
8p#108080_108082	8	6577088-6602415	25328	AGPAT5	0	1	0.00	0.00
8p#108092_108102	8	6685333-6762968	77636	BC043547, DEFB1	0	1	0.00	0.00
8p#108118_108125	8	6878043-6913320	35278	DEFA5	0	1	0.00	0.00
9q#126775_126796	9	127958486-128072163	113678	AK124723, PTGES2, LCN2, C9orf16, CIZ1, DNMI	0	1	0.00	0.00
9q#126842_126924	9	128301311-128854909	553599	ZDHC12, ZYG11BL, TBC1D13, ENDOG, C9orf114, CC	0	1	0.00	0.00
9q#127455_127458	9	133513807-133540263	26457	CR592354, DBH	0	1	0.00	0.00
6q#92751_92764	6	153385541-153446124	60584	FBXO5, MTRF1L, RGS17	0	1	0.00	0.00
6q#92861_92881	6	154919262-155235537	316276	CNKSR3, RBM16	0	1	0.00	0.00
6q#92904_92906	6	155530077-155542552	12476	TIAM2	0	1	0.00	0.00
18p#201778_201795	18	12981995-13114459	132465	AK096548, Cep192	0	1	0.00	0.00
8p#109230_109241	8	22152647-22209370	56724	POLR3D, AK125346, PIWIL2	0	1	0.00	0.00
8p#108103_108117	8	6770098-6873540	103443	DEFA6, DEFA4, DEFA1	0	1	0.00	0.00
8p#109242_109370	8	22217456-23190941	973486	W3, AL833160, EGR3, PEBP4, AK092617, BC034917, R	0	1	0.00	0.00

18p#201614_201633	18	11241899-11702680	460782	BX647358, GNAL	0	1	0.00	0.00
18p#201692_201773	18	12252335-12945813	693479	C18orf43, AK128548, SPIRE1, AF068295, CEP76, TNF	0	1	0.00	0.00
9q#126925_126929	9	128861680-128881996	20317	SH3GLB2, FAM73B	0	1	0.00	0.00
9q#127459_127469	9	133544571-133625754	81184	DBH, SARDH	0	1	0.00	0.00
4p#56614_56747	4	38791317-39961244	1169928	RPL9, LIAS, UGDH, AK056558, LOC201895, BC0403	0	1	0.00	0.00
4p#56762_56771	4	40140842-40254483	113642	CHRNA9	0	1	0.00	0.00
17p#194114_194126	17	9956952-10068462	11511	GAS7	0	1	0.00	0.00
17p#194300_194334	17	12126433-12613305	486873	AK092009, MYOCD, BX649083	0	1	0.00	0.00
4p#56427_56575	4	36124760-38448856	2324097	BC033065, BC037906, C4orf19, BC039540, PGM2, TBC1	0	1	0.00	0.00
17p#194778_194780	17	18344018-18470674	126657	BC063453	0	1	0.00	0.00
4q#57827_57842	4	56900758-57089010	188253	AK126014, AB033037, AASDH	Inf	1	0.02	0.00
10p#130831_130873	10	32948128-33348092	399965	C10orf68, ITGB1	0	1	0.00	0.00
17p#194335_194346	17	12619970-12739017	119048	BX649083, KIAA0672	0	1	0.00	0.00
17p#194443_194453	17	14363732-14594858	231127		0	1	0.00	0.00
17p#194455_194502	17	14616651-15479495	862845	3345, PMP22, TEK13, CDRT4, AB074181, FAM18B2, AF	0	1	0.00	0.00
4p#56772_56933	4	40266109-41909584	1643476	LJ14001, APBB2, UCHL1, KIAA1102, PHOX2B, TMEM3	0	1	0.00	0.00
4q#57498_57524	4	52825390-53237566	412167	BC016458	Inf	1	0.02	0.00
2p#25083_25093	2	71726185-71830597	104413	DYSF	0	1	0.00	0.00
2p#25363_25393	2	74482254-74630304	148051	2, BC051331, WDR54, RTKN, ZNHIT4, WBP1, GCS1, M	0	1	0.00	0.00
10q#139125_139127	10	135057540-135065216	7677	C10orf125, ECHS1	0	1	0.00	0.00
4p#56576_56613	4	38460206-38782820	322615	LJ13197, KLF3, S77393, TLR10, TLR1, TLR6, LOC9268	0	1	0.00	0.00
4p#53951_53995	4	41413-489729	448317	BC020836, AK124097, MGC26356, ZNF141, BC03679	0	1	0.00	0.00
4q#57739_57749	4	55720089-55857630	137542	KDR	Inf	1	0.02	0.00
4q#57792_57826	4	56348607-56886254	537648	EXOC1, CEP135, AK126014	Inf	1	0.02	0.00
10p#130959_130975	10	34694996-34837676	142681	PARD3	0	1	0.00	0.00
10p#130983_131044	10	34906113-35450929	544817	PARD3, CUL2	0	1	0.00	0.00
10p#131045_131049	10	35461405-35496607	35203	CREM	Inf	1	0.02	0.00
10p#131050_131057	10	35508483-35550008	41526	CREM	0	1	0.00	0.00
4p#54361_54376	4	3813753-4314140	500388	OTOP1	0	1	0.00	0.00
17p#194084_194113	17	9691749-9943896	252148	GLP2R, BC043390, RCV1, GAS7	0	1	0.00	0.00
6p#85246_85382	6	45993935-47258801	1264867	BC042616, CYP39A1, SLC25A27, TDRD6, PLA2G7, AK	0	1	0.00	0.00
6p#85394_85481	6	47387660-48429137	1041478	GPR111, AY140957, GPR115, OPN5, LOC442213, FL	0	1	0.00	0.00
4p#53997_54000	4	504450-531093	26644	PIGG	0	1	0.00	0.00
4p#54733_54744	4	7563358-7649635	86278	SORCS2	0	1	0.00	0.00
10q#139128_139129	10	135071444-135077259	5816	ECHS1	0	1	0.00	0.00
10q#139137_139138	10	135120942-135123724	2783	MTG1, SPRN	0	1	0.00	0.00
2p#20785_20786	2	20354952-20364809	9858		0	1	0.00	0.00
2p#21122_21128	2	25175278-25224621	49344	AB023170	0	1	0.00	0.00
2p#21129_21158	2	25233251-25457463	224213	AB023170, AK095190, POMC, DNMT3A	0	1	0.00	0.00
4p#54301_54329	4	3256459-3520524	264066	HD, LOC345222, AF085973, RGS12, HGFAC, FLJ33718	0	1	0.00	0.00
4p#54334_54336	4	3556852-3568583	11732	LRPAP1	0	1	0.00	0.00
2p#24586_24644	2	66128902-67154087	1025186	FLJ16124, AK091143, MEIS1	0	1	0.00	0.00
2p#24766_24840	2	68806787-69478745	671959	ARHGAP25, BMP10, GDDR, GKN1, ANTXR1, GFPT1	0	1	0.00	0.00
2p#24890_25082	2	69991146-71717354	1726209	FLJ14668, TGFA, ADD2, FIGLA, CLEC4F, CD207, AF0	0	1	0.00	0.00
2p#25094_25362	2	71836764-74476360	2639597	R4, ALMS1, NAT8, LOC200420, TPRKB, DUSP11, AK1	0	1	0.00	0.00
2p#25394_25442	2	74634067-75066429	432363	1, BC018611, DQX1, AUP1, HTRA2, LOXL3, DOK1, LO	0	1	0.00	0.00
2p#26073_26191	2	85301323-86206193	904871	72A, GGCX, VAMP8, VAMP5, LOC51255, TMEM150, LC	0	1	0.00	0.00
4q#57473_57497	4	52638144-52811101	172958	LOC339977, SGCB, SPATA18, BC016458	Inf	1	0.02	0.00
22q#222724_222736	22	28423934-28488985	65052	CABP7, ZMAT5, UCRG	Inf	1	0.02	0.00
22q#224683_224712	22	43555822-43793374	237553	LOC553158, PHF21B, AB051448	0	1	0.00	0.00
2q#37620_37654	2	23897948-239331519	353572	PER2, TRAF3IP1, ASB1, AK057376	0	1	0.00	0.00
4p#54745_54756	4	7656497-7762124	105628	SORCS2	0	1	0.00	0.00
2p#21447_21594	2	27737586-29058214	1320629	3, RBKS, BRE, AK055918, FOSL2, PLB1, AF092905, PP	0	1	0.00	0.00
4q#57750_57791	4	55894665-56341548	446884	5A2L, BC047403, TPARL, BC040570, CLOCK, PDCL2, I	Inf	1	0.02	0.00
6p#85193_85203	6	45267482-45354276	86795	SUPT3H	0	1	0.00	0.00

6p#85222_85245	6	45524595-45987470	462876	RUNX2, CLIC5	0	1	0.00	0.00
1p#7260_7302	1	78584723-79150715	565993	5694, PTGFR, BX537508, IFI44L, IFI44, AK129766, AY3	0	1	0.00	0.00
1p#7319_7334	1	79521244-80001984	480741		0	1	0.00	0.00
2p#21264_21273	2	26453306-26526478	73173	GPR113, BC043211, SELI	0	1	0.00	0.00
10p#130976_130982	10	34844635-34893093	48459	PARD3	0	1	0.00	0.00
10p#131058_131078	10	35560604-35754592	193989	C10orf9	0	1	0.00	0.00
10p#131138_131147	10	36924865-37229819	304955		Inf	1	0.02	0.00
10p#131163_131168	10	37530005-37573734	43730	ANKRD30A	Inf	1	0.02	0.00
10p#131173_131174	10	37676368-37696122	19755		Inf	1	0.02	0.00
10p#131175_131227	10	37726105-38544308	818204	8, ZNF25, BC017760, ZNF33A, AK027057, ZNF37A, AL	0	1	0.00	0.00
2p#20787_20788	2	20371775-20380443	8669	PUM2	0	1	0.00	0.00
2q#32671_32676	2	179140659-179163269	22611	PRKRA, AK129531, FKBP7	0	1	0.00	0.00
2p#20810_20818	2	20629422-20767620	138199	HS1BP3	0	1	0.00	0.00
2q#33080_33083	2	184609129-184686542	77414		0	1	0.00	0.00
22q#222491_222501	22	26345036-26491176	146141	MN1	0	1	0.00	0.00
22q#222509_222578	22	26559884-27445674	885791	PITPNB, BC060374, AL832597, AB028966, CHEK2	0	1	0.00	0.00
22q#222605_222609	22	27611211-27644874	33664	AB051436	0	1	0.00	0.00
22q#223435_223478	22	34556081-34906456	350376	RBM9, AK055213, APOL3	0	1	0.00	0.00
22q#222610_222628	22	27653678-27779274	125597	AB051436, HS747E2A	0	1	0.00	0.00
22q#222711_222723	22	28330461-28417001	86541	NF2	Inf	1	0.02	0.00
22q#222737_222787	22	28496913-28903659	406747	ASCC2, MTMR3, HORMAD2	Inf	1	0.02	0.00
1p#103_104	1	1755813-1762018	6206	GNB1	0	1	0.00	0.00
22q#224353_224442	22	40849008-41599077	750070	AK074094, NFAM1, SERHL, CGI-96, SERHL2, AK09820	0	1	0.00	0.00
22q#224639_224682	22	43065069-43544642	479574	LDOC1L, LOC388910, PRR5, LOC553158	0	1	0.00	0.00
22q#224713_224806	22	43807025-44596402	789378	UP50, C22orf9, UPK3A, FAM118A, SMC1L2, RIBC2, FB	0	1	0.00	0.00
2q#27925_27938	2	114985073-115097449	112377	DPP10	0	1	0.00	0.00
4p#54186_54248	4	20562226-2810827	754602	tf15, MXD4, ZFYVE28, AK126028, BC010180, RNF4, C4	0	1	0.00	0.00
4p#54262_54300	4	2914556-3242901	328346	ADD1, TETRA, C4orf9, GRK4, HD	0	1	0.00	0.00
4p#54331_54333	4	3533121-3551312	18192	FLJ33718, AF085973, LRPAP1	0	1	0.00	0.00
4p#54349_54360	4	3673803-3807240	133438	BX648772, ADRA2C	0	1	0.00	0.00
4p#54377_54695	4	4327213-7190463	2863251	03, EVC2, EVC, AF216184, CRMP1, BX648674, FLJ464	0	1	0.00	0.00
4p#54696_54707	4	7197941-7344809	146889	BC045770, SORCS2	0	1	0.00	0.00
4p#54731_54732	4	7550081-7555924	5844	SORCS2	0	1	0.00	0.00
10q#138194_138314	10	124691172-126104112	1412941	B, BUB3, AK057388, CR607950, GPR26, AK091093, BC	0	1	0.00	0.00
4p#54002_54004	4	545241-564041	18801	AK123125	0	1	0.00	0.00
1p#7176_7259	1	77719212-78560086	840875	C1orf118, CR936630, NEXN, FUBP1, U40992, DNAJB4,	0	1	0.00	0.00
1p#7303_7318	1	79158145-79489964	331820	AY358360	0	1	0.00	0.00
1p#7335_7350	1	80044488-80556034	511547		0	1	0.00	0.00
2p#25443_25452	2	75079140-75174482	95343	BC038580, POLE4, AY034104	0	1	0.00	0.00
2p#26049_26072	2	85045417-85295461	250045	TMSB10, KCMF1, TCF7L1	0	1	0.00	0.00
2p#26192_26253	2	86217028-86868454	651427	48646, IMMT, MRPL35, REEP1, BC041870, JMJD1A, V	0	1	0.00	0.00
2p#26287_26387	2	88155006-89342444	1187439	FLJ25369, BC044304, EIF2AK3, RPIA, CR596262, BX64	0	1	0.00	0.00
22q#222502_222508	22	26496882-26552478	55597	MN1	0	1	0.00	0.00
22q#222579_222604	22	27454916-27606473	151558	CHEK2, HSC20, M31627, FLJ33814, XBP1, AB051436	0	1	0.00	0.00
22q#223307_223321	22	33080679-33547351	466673		0	1	0.00	0.00
22q#223330_223434	22	33700502-34545085	844584	TOM1, HMOX1, MCM5, RASD2, MB, LOC284912, APO	0	1	0.00	0.00
1p#101_102	1	1741058-1748915	7858	NADK, AK096614	0	1	0.00	0.00
22q#223479_223480	22	34911932-34919094	7163	APOL4	0	1	0.00	0.00
22q#223520_223574	22	35222958-35561218	338261	FLJ23322, EIF3S7, CACNG2, AK123632, RABL4, PVALB	0	1	0.00	0.00
22q#224313_224352	22	40622520-40843123	220604	18, BC068568, SEPT3, MGC26816, AK128138, AK1296	0	1	0.00	0.00
22q#224443_224606	22	41606814-42781418	1174605	L12, AK056490, SCUBE1, MPPE1, FLJ23588, SUL T4	0	1	0.00	0.00
22q#224807_224828	22	44606281-44799164	192884	WNT7B, AL137569, FLJ10945, BC036832	0	1	0.00	0.00
2p#24725_24765	2	68446559-68800918	354360	2, PLEK, LOC554251, C2orf13, BC030711, AK122915, P	0	1	0.00	0.00
2p#24841_24861	2	69493193-69683312	190120	GFPT1, HIRIP5, DKFZp686K16132, AK056043, AAK1	0	1	0.00	0.00
2p#25631_25670	2	78185973-78716669	530697	BC030125, BC024248	0	1	0.00	0.00

2p#26254_26272	2	86887173-87237018	349846	RMND5A, BC033072, CD8A, CD8B	0	1	0.00	0.00
2q#26535_26538	2	96261801-96279471	17671	STARD7	0	1	0.00	0.00
6p#85170_85192	6	45050451-45260250	209800	SUPT3H	0	1	0.00	0.00
2p#21298_21301	2	26729091-26750456	21366	CIB4	0	1	0.00	0.00
2p#21312_21446	2	26850859-277131340	880482	GC44505, SLC5A6, C2orf28, CAD, SLC30A3, DNAJC5G	0	1	0.00	0.00
2p#21595_21710	2	29064052-30086778	1022727	8, AK125239, LOC165186, FLJ34931, AF433661, RSNL	0	1	0.00	0.00
4p#57452_57460	4	48850183-49422795	572613	FLJ21511, CR936796	0	1	0.00	0.00
6p#83037_83104	6	27183361-27884404	701044	AK130332, PRSS16, POM121L2, FKSG83, AL833520, E	0	1	0.00	0.00
10p#131169_131172	10	37582079-37642306	60228	Inf	Inf	1	0.02	0.00
2p#20744_20777	2	19981293-20317425	336133	22396, BC0688572, LOC130502, WDR35, MATN3, LAPT,	0	1	0.00	0.00
2p#20790_20809	2	20400458-20602494	202037	PUM2, AK093847, RHOB	0	1	0.00	0.00
2q#27227_27233	2	104231782-104456757	224976		0	1	0.00	0.00
2p#20295_20318	2	11716002-11930942	214941	GREB1, NTSR2, BC041899, BC018071, LPIN1	0	1	0.00	0.00
2p#20994_21049	2	23991869-24428245	436377	BC033385, BX647146, FLJ21945, FKBP1B, AK026273	0	1	0.00	0.00
2p#21076_21121	2	24807973-25168364	360392	COA1, LOC391356, MGC11266, ADCY3, RBJ, CR93367	0	1	0.00	0.00
2p#21159_21263	2	25464486-26444901	980416	TNB, ASXL2, KIF3C, RAB10, AB124552, HADHA, HADH	0	1	0.00	0.00
2p#21274_21279	2	26536017-26578811	42795	MGC16372	0	1	0.00	0.00
2p#21302_21311	2	26761124-26845459	84336	CIB4, KCNK3	0	1	0.00	0.00
4p#57142_57221	4	45688360-46770117	1081758	GABRG1, GABRA2, COX7B2, AX721204, GABRA4	0	1	0.00	0.00
6p#84895_84920	6	42775080-42965692	190613	RDS, TBCC, D87077, FLJ38717, KIAA0240, RPL7L1	0	1	0.00	0.00
6p#84947_85028	6	43101791-43680351	578561	C6orf108, TTBK1, SLC22A7, AK124657, BC068247, ZN	0	1	0.00	0.00
10p#131079_131089	10	35761394-35850109	88716	C10orf9	0	1	0.00	0.00
10p#131148_131162	10	37257968-37523266	265299	ANKRD30A	Inf	1	0.02	0.00
2p#20292_20294	2	11691745-11707626	15882	GREB1	0	1	0.00	0.00
2q#33441_33500	2	190190746-190859806	669061	ASNSD1, BC044907, FLJ25415, OSGEPL1, ORMDL1, P	0	1	0.00	0.00
2q#34275_34331	2	201783861-202202282	418422	91587, CASP10, CASP8, ALS2CR12, AK124115, TRAK	0	1	0.00	0.00
2q#34905_34961	2	208415887-208944394	528508	02, FZD5, AK123204, BX648983, CRYGD, CRYGC, CR	0	1	0.00	0.00
2q#34989_35064	2	209309316-210626226	1316911	MAP2, C2orf21, AB058746	0	1	0.00	0.00
4q#63553_63574	4	138639246-139021008	381763	PCDH18	0	1	0.00	0.00
6p#85029_85120	6	43690266-44391792	701527	5491, AK024736, MRPL14, TMEM63B, CAPN11, SLC29	0	1	0.00	0.00
4p#54337_54347	4	3573080-3641294	68215	FLJ35424	0	1	0.00	0.00
10q#134557_134558	10	85243855-85283118	39264		Inf	1	0.02	0.00
10q#138315_138328	10	126113575-126236181	122607	LHPP	0	1	0.00	0.00
1p#7024_7175	1	76113708-77706731	1593024	BX648274, AK056241, ST6GALNAC5, AF137837, BX648	0	1	0.00	0.00
22q#222788_222833	22	28912243-29139622	227380	K054758, LOC652968, TBC1D10A, SF3A1, LOC550631	Inf	1	0.02	0.00
22q#223109_223306	22	31105822-33051048	1945227	BPIL2, BC062656, FBXO7, BC042456, SYN3, AB20968	0	1	0.00	0.00
22q#223575_223587	22	35565248-35625431	60184	NCF4	0	1	0.00	0.00
22q#223852_223872	22	37273276-37394372	121097	DMC1, PGEA1	0	1	0.00	0.00
22q#223989_223991	22	38164747-38186707	21961	MGAT3	0	1	0.00	0.00
22q#224025_224031	22	38423366-38469663	46298	FLJ25421	0	1	0.00	0.00
22q#224131_224253	22	39255266-40235894	980629	P300, BC040700, L3MBTL2, BC040188, RANGAP1, BC0	0	1	0.00	0.00
22q#223481_223519	22	34925625-35220275	294651	APOL2, APOL1, MYH9, TXN2, FLJ23322	0	1	0.00	0.00
22q#224254_224312	22	40242067-40618464	376398	BC039554, D15Wsu75e, XRCC6, NHP2L1, FLJ23584, MA	0	1	0.00	0.00
2p#19646_19672	2	2924452-3215087	290636	R602075, RNASEH1, AK023018, AK125306, RPS7, CO	0	1	0.00	0.00
2p#19694_19723	2	3455242-3922258	467017	BC043283	0	1	0.00	0.00
2p#20002_20287	2	8777748-11647353	2869606	KLF11, AF504647, CYS1, RRM2, AK123010, FLJ25102	0	1	0.00	0.00
2p#20288_20291	2	11658845-11682539	23695	GREB1	0	1	0.00	0.00
2p#20819_20821	2	20775713-20790761	15049	GDF7	0	1	0.00	0.00
2p#20822_20930	2	20794885-23148321	2353437	FLJ21820, APOB, AF113010, AK090620	0	1	0.00	0.00
2p#20931_20993	2	23178086-23977187	799102	BC013982, AB033066, AK125718, AK131301	0	1	0.00	0.00
2p#21280_21297	2	26585111-26717208	132098	MGC16372, OTOF, AK091483, CIB4	0	1	0.00	0.00
2p#21849_21918	2	31805766-32525573	719808	LOC84661, SPAST, SLC30A6, AL832755, CARD12, G3	0	1	0.00	0.00
2p#25453_25464	2	75185901-75293883	107983	TACR1	0	1	0.00	0.00
2p#26045_26048	2	85002702-85033639	30938	BC051789	0	1	0.00	0.00
2p#26284_26286	2	88099999-88146151	46153	RGPD2	0	1	0.00	0.00

2q#26539_26540	2	96288507-96292913	4407	STAR7D	0	1	0.00	0.00
2q#30761_30850	2	157309209-158699025	1389817	JAA1189, PSCDBP, ACVR1C, ACVR1, BC033867, AF08	0	1	0.00	0.00
2q#32387_32408	2	175814094-176132378	318285	ATF2, ATP5G3	0	1	0.00	0.00
2q#33204_33288	2	186748512-187950214	1201703	LEREPO4, BC036396, ITGAV, KIAA1946, ZSWIM2	0	1	0.00	0.00
2q#33435_33440	2	190132610-190177635	45026	WDR75	0	1	0.00	0.00
2q#33658_33680	2	192699099-192914729	215631	TMEFF2	0	1	0.00	0.00
4p#54708_54730	4	7357072-7539394	182323	SORCS2	0	1	0.00	0.00
4p#57222_57276	4	46780639-47278044	497406	GABRA4, GABRB1, AK124778	0	1	0.00	0.00
4p#57277_57350	4	47284941-47919404	634464	ATP10D, CORIN, NFXL1, BC041434, CNGA1, X64802, I	0	1	0.00	0.00
4p#57351_57451	4	47929534-48841794	912261	A4, BC012048, ZAR1, AB020633, AL833170, BC050336,	0	1	0.00	0.00
4q#63531_63552	4	137953945-138617115	663171		0	1	0.00	0.00
6p#83105_83108	6	27884381-27890825	6445	HIST1H2AI, BC062305, HIST1H2AJ	0	1	0.00	0.00
6p#83119_83128	6	27937810-27969222	31413	2AL, HIST1H3I, HIST1H4L, HIST1H3J, HIST1H2AM, HIS	0	1	0.00	0.00
6p#84552_84792	6	39279911-41887453	2607543	TF130, NFYA, AK002098, BX648193, LOC221442, TREM	0	1	0.00	0.00
6p#84821_84890	6	42101823-42734520	632698	5, TBN, AK123786, GUCA1A, GUCA1B, MRPS10, TRER	0	1	0.00	0.00
6p#84891_84894	6	42741716-42766752	25037	UBR2	0	1	0.00	0.00
6p#84921_84946	6	42968946-43097699	128754	F161347, AK092088, GNMT, PEX6, PPP2R5D, MEA1, I	0	1	0.00	0.00
6p#85121_85129	6	44396299-44445837	49539	AK126641, SPATS1	0	1	0.00	0.00
6p#85131_85169	6	44466051-45040241	574191	CDC5L, AB007892, AF064804, SUPT3H	0	1	0.00	0.00
10q#138329_138358	10	126251604-126507369	255766	LHPP, FAM53B, AK023081, LOC399818, KIAA0157	Inf	1	0.02	0.00
22q#223847_223851	22	37233216-37266405	33190	DMC1	0	1	0.00	0.00
22q#223873_223915	22	37396985-37678129	281145	MM22, JOSD1, GTPBP1, UNC84B, DNAL4, NPTXR, CB	0	1	0.00	0.00
22q#223916_223921	22	37683612-37709985	26374	APOBEC3A, APOBEC3B	0	1	0.00	0.00
22q#223922_223988	22	37713223-38152282	439060	0, APOBEC3F, APOBEC3G, ARP10, CBX7, AK074445, A	0	1	0.00	0.00
22q#223992_224024	22	38192883-38417255	224373	GAT3, AL136768, FLJ20232, ATF4, RPS19BP1, CACNA	0	1	0.00	0.00
22q#224032_224054	22	38477236-38668771	191536	FLJ25421, GRAP2	0	1	0.00	0.00
5q#70715_70719	5	50876545-51025257	148713		0	1	0.00	0.00
5p#68174_68178	5	9670903-9683132	12230	TAS2R1	0	1	0.00	0.00
5p#68218_68228	5	10339548-10419407	79860	LOC134147, MARCH6	0	1	0.00	0.00
5p#67656_67657	5	2262331-2271813	9483		0	1	0.00	0.00
5p#68154_68173	5	9493670-9660261	166592	SEMA5A	0	1	0.00	0.00
5p#68179_68184	5	9693885-9744889	51005	BC031253	0	1	0.00	0.00
5p#67658_67678	5	2295974-2553070	257097		0	1	0.00	0.00
16p#186134_186135	16	732200-738327	6128		0.692294348	1	0.02	0.02
16p#186101_186120	16	548509-657817	109309	DC146325, FLJ36208, FIGQ, RAB40C, WFIKKN1, C16orf	0.692294348	1	0.02	0.02
16p#186137_186146	16	749806-796289	46484	MSLN, MPFL, RPUSD1, CHTF18, LOC388199	0.692294348	1	0.02	0.02
17q#195845_195879	17	29546007-29936918	390912	2, CCL7, CCL11, CCL8, CCL13, CCL1, FLJ44815, TMEM	Inf	1	0.02	0.00
17q#195981_195998	17	30969234-31118181	148948	P2B1, RASL10B, GAS2L2, AK122604, C17orf50, MMP2	0	1	0.00	0.00
17q#195829_195834	17	29373544-29421687	48144	ACCN1	0	1	0.00	0.00
17q#196158_196166	17	32954357-33032933	78577	AP1GBP1	0.692294348	1	0.02	0.02
17q#196036_196039	17	31356223-31375450	19228	CCL23	0	1	0.00	0.00
17q#196224_196231	17	34063901-34116301	52401	MLLT6	1.398928118	1	0.03	0.02
17q#196040_196052	17	31384281-31456690	72410	CCL18, AK024994, CCL3, CCL4	0	1	0.00	0.00
17q#196205_196211	17	33820936-33902072	81137	AB040934	1.398928118	1	0.03	0.02
17q#196217_196223	17	33966642-34031410	64769	SNIP	1.398928118	1	0.03	0.02
17q#196270_196274	17	34354802-34382479	27678	FBXO47	1.398928118	1	0.03	0.02
16p#188887_188897	16	30790607-30849558	58952	BC058863, BCL7C, CTF1, AK090544, FBXL19	Inf	1	0.02	0.00
16p#188880_188886	16	30733962-30785115	51154	BC058863	Inf	1	0.02	0.00
16p#188898_188914	16	30854651-30924287	69637	FBXL19, MGC13024, SETD1A, HSD3B7, STX1B2	Inf	1	0.02	0.00
16p#186450_186454	16	2844801-2874224	29424	PRSS22, LOC114984	1.398928118	1	0.03	0.02
16p#188705_188710	16	29233146-29528249	295104	AK023827, BOLA2	1.398928118	1	0.02	0.00
16p#186438_186449	16	2789909-2841655	51747	PRSS21, LOC124220, MGC52282	1.398928118	1	0.03	0.02
16p#188694_188701	16	29050535-29146145	95611		Inf	1	0.02	0.00
1q#16594_16663	1	212183435-212808335	624901	KCTD3, USH2A	0.692294348	1	0.02	0.02
1q#16680_16682	1	213000487-213045508	45022		0.692294348	1	0.02	0.02

1q#16582_16590	1	211893732-212135848	242117	KCTD3	0.686886232	1	0.03	0.05
17q#196054_196056	17	31468896-31486599	17704		0	1	0.00	0.00
17q#196057_196059	17	31504564-31891594	387031		0	1	0.00	0.00
5q#79990_79999	5	172320700-172405587	84888	RPL26L1, ATP6VOE	0	1	0.00	0.00
14q#170096_170097	14	21944246-21951353	7108	BC063432	0	1	0.00	0.00
1q#14349_14376	1	183009892-183281480	271589	PRG4, TPR, C1orf27, PDC	1.398928118	1	0.03	0.02
1q#10452_10457	1	143480571-143551133	70563	AF379624, NBPF11	Inf	1	0.02	0.00
16q#191001_191007	16	68706240-68754278	48039	PDPR, BC078143	0	1	0.00	0.00
14q#174248_174259	14	69017423-69106404	88982	AK126770, C14orf162	0	1	0.00	0.00
14q#174288_174310	14	69323443-69502438	178996	SLC10A1, SMOC1	0	1	0.00	0.00
14q#174328_174398	14	69654655-70296984	642330	SYNJ2BP, ADAM21, BC047939, ADAM20, MED6, AK093	0	1	0.00	0.00
14q#174439_174447	14	70741907-70858706	116800	AK126981	0	1	0.00	0.00
14q#174522_174594	14	71641452-72225117	583666	RGS6, DPF3	0	1	0.00	0.00
14q#174186_174204	14	68523652-68687540	163889	WDR22	0	1	0.00	0.00
14q#174232_174247	14	68903154-69008517	105364	ERH, SLC39A9, AK222547	0	1	0.00	0.00
14q#174311_174327	14	69508175-69638720	130546	SMOC1, SLC8A3	0	1	0.00	0.00
14q#174520_174521	14	71622558-71630163	7606	RGS6	0	1	0.00	0.00
14q#174260_174287	14	69112052-69319409	207358	KIAA0247, BC040209, SFRS5, SLC10A1	0	1	0.00	0.00
14q#177887_177889	14	105907191-105934902	27712	AK125079	0	1	0.00	0.00
14q#174143_174185	14	68102796-68514787	411992	AD5L1L, BX248061, X79067, ZFP36L1, FLJ39779, ACT1	0	1	0.00	0.00
14q#174205_174231	14	68693625-68895915	202291	AK097819, EXDL2, GALNTL1	0	1	0.00	0.00
14q#169757_169789	14	19765060-19971650	206591	20999, OR11H4, TTC5, CCNB1IP1, PARP2, BX640983,	0	1	0.00	0.00
14q#170005_170013	14	21225749-21291539	65791	BC063432	0	1	0.00	0.00
12p#153775_153795	12	33971056-34647476	676421	ALG10, AK023061	0	1	0.00	0.00
11p#140585_140640	11	12251499-12852667	601169	MICALCL, PARVA, AL833289, TEAD1	0	1	0.00	0.00
11p#140663_140667	11	13213925-13269880	55956	CR749855, ARNTL	0	1	0.00	0.00
10p#128659_128675	10	6539143-6657415	118273	PRKCQ	0	1	0.00	0.00
14q#170001_170004	14	21202798-21221671	18874	BC063432	0	1	0.00	0.00
6q#87098_87099	6	74866896-74884587	17692	AF086303	0	1	0.00	0.00
11p#140669_140709	11	13288083-13787179	499097	ARNTL, BTBD10, PTH, MLSTD2	0	1	0.00	0.00
14q#170391_170422	14	23949696-24172888	223193	054752, KIAA0323, C14orf124, AK056368, CMA1, CTSG	0	1	0.00	0.00
10p#128654_128658	10	6493783-6526587	32805	PRKCQ	0	1	0.00	0.00
10p#128676_128677	10	6667573-6673655	6083	AK096400	0	1	0.00	0.00
10p#128715_128744	10	7185792-7463784	277993	AK096400, SFMBT2	0	1	0.00	0.00
10p#129143_129203	10	13097207-13682337	585131	2, OPTN, MCM10, C10orf49, PHYH, SEPHS1, C10orf30,	Inf	1	0.02	0.00
12p#153554_153555	12	31226529-31237552	11024		0	1	0.00	0.00
12q#153796_153841	12	36160215-37476443	1316229	BC040886, CPNE8	0	1	0.00	0.00
12q#153861_153890	12	37887299-38259648	372350	KIF21A, ABCD2	0	1	0.00	0.00
6q#87100_87110	6	74893365-75060299	166935	AF086303	0	1	0.00	0.00
4q#67139_67143	4	187778560-187813104	34545	BC034307	0	1	0.00	0.00
18q#203016_203089	18	30816237-31555880	739644	K027384, ZNF271, ZNF24, ZNF396, AK095502, C18orf37	0	1	0.00	0.00
10p#128078_128122	10	460172-892159	431988	DIP2C, LARP5	0	1	0.00	0.00
10p#128137_128154	10	1031876-1141309	109434	GTPBP4, IDI2, C10orf110, IDI1, WDR37	0	1	0.00	0.00
14q#170383_170390	14	23897671-23941282	43612	NFATC4, BC065283	0	1	0.00	0.00
12q#153891_153969	12	38266277-39088151	821875	ABCD2, C12orf40, AK097445, SLC2A13, LRRK2	0	1	0.00	0.00
12q#154069_154379	12	40689134-44563633	3874500	. BC042591, ADAMTS20, BX648207, PUS7L, IRAK4, PI	0	1	0.00	0.00
11q#144455_144459	11	63443029-63465520	22492	BC010608, NAT11	Inf	1	0.02	0.00
11p#141509_141527	11	23373296-23970703	597408		0	1	0.00	0.00
12p#153556_153559	12	31248212-31284290	36079		0	1	0.00	0.00
12p#153716_153774	12	32923091-33922263	999173	PKP2, Z83955, SYT10	0	1	0.00	0.00
12q#153842_153860	12	37491177-37841128	349952	CPNE8, AK098593	0	1	0.00	0.00
4q#67144_67145	4	187818906-187824258	5353		0	1	0.00	0.00
11q#144409_144414	11	63076890-63108076	31187	HRASLS2, HRASLS3	Inf	1	0.02	0.00
11q#144453_144454	11	63432278-63436835	4558	MARK2, RCOR2	Inf	1	0.02	0.00
10p#128155_128162	10	1151116-1198509	47394	WDR37, LOC399706	0	1	0.00	0.00

14q#170379_170382	14	23877283-23893079	15797	RIPK3	0	1	0.00	0.00
19p#208717_208780	19	19066510-19571128	504619	F2, SF4, AB020699, KIAA0892, AK125974, GATAD2A, A	0	1	0.00	0.00
11p#141028_141035	11	17520330-17592552	72223	USH1C, AK128214	0	1	0.00	0.00
11p#141211_141221	11	19320178-19466559	146382	AB063115	0	1	0.00	0.00
14q#170364_170369	14	23812600-23834438	21839	CR625243, DHRS1	0	1	0.00	0.00
12q#153970_154068	12	39106192-40661514	1555323	AK093065, CNTN1, PDZRN4	0	1	0.00	0.00
12q#154380_154399	12	44573567-44805205	231639	ARID2, SFRS2IP, AF030234	0	1	0.00	0.00
12q#154416_154422	12	45024226-45053301	29076	SLC38A2, BC039429	0	1	0.00	0.00
12q#154517_154523	12	46464949-46496372	31424	HDAC7A, BC064840	0	1	0.00	0.00
4q#67146_67149	4	187829560-187850741	21182	MTNR1A	0	1	0.00	0.00
12q#160242_160243	12	112826350-112838453	12104	RBM19	0	1	0.00	0.00
11q#144341_144363	11	62429652-62620051	190400	CHRM1, SLC22A6, SLC22A8	Inf	1	0.02	0.00
11q#144384_144408	11	62861317-63070562	209246	SLC22A9, AK055392, HRASLS5, LGALS12, RARRES3	Inf	1	0.02	0.00
11q#144415_144417	11	63116973-63134726	17754	HRASLS3	Inf	1	0.02	0.00
1p#307_308	1	3554149-3558855	4707		0	1	0.00	0.00
1p#304_306	1	3521345-3541821	20477	MEGF6	0	1	0.00	0.00
4q#64827_64857	4	154844555-155163102	318548	KIAA0922, BC032464, TLR2, RNF175, SFRP2	0	1	0.00	0.00
14q#170370_170378	14	23837514-23873305	36792	DHRS1, C14orf21, CIDEB, LTB4R, CR618079, ADCY4	0	1	0.00	0.00
19p#208781_208790	19	19577706-19625938	48233	PBX4, EDG4, GMIP, ATP13A1	0	1	0.00	0.00
12q#154543_154619	12	46678406-47335071	656666	56, AK056127, AL110189, DKFZP79L1853, H1FNT, AY	0	1	0.00	0.00
12q#155016_155018	12	50214554-50238290	23737	U03495	0	1	0.00	0.00
11q#144328_144332	11	62339001-62364723	25723	STX5, WDR74	0.692294348	1	0.02	0.02
11q#144339_144340	11	62417274-62426378	9105		0.692294348	1	0.02	0.02
1p#300_303	1	3488169-3509612	21444	MEGF6	0	1	0.00	0.00
3q#48032_48091	3	126749713-127598937	849225	600848, LOC200810, ROPN1B, SLC41A3, ALDH1L1, B	0	1	0.00	0.00
3q#48141_48149	3	128051039-128123566	72528	CHCHD6	0	1	0.00	0.00
3q#48167_48168	3	128271086-128317823	46738		0	1	0.00	0.00
3q#48297_48310	3	129686209-129802665	116457	GATA2, CR959360, C3orf27	0	1	0.00	0.00
6p#85974_85976	6	55103800-55140384	36585		0	1	0.00	0.00
19q#211543_211570	19	56342638-56561116	218479	C7, BC045766, CD33, FLJ40235, CR922222, BC032383	Inf	1	0.02	0.00
12q#160244_160431	12	112850651-115990612	3139962	; BC035415, AK026320, THRAP2, FLJ42957, C12orf49,	0	1	0.00	0.00
14q#170270_170316	14	23097001-23619835	522835	RS2, C14orf165, BX647964, DHRS4, AY616182, DHRS4,	0	1	0.00	0.00
19p#208457_208478	19	17019714-17212967	193254	Y-SAR-48, AB209997, MYO9B, MDS032, FLJ22709, NR2	0.692294348	1	0.02	0.02
11q#144202_144204	11	61439746-61456530	16785	RAB31L1, BC051820	0	1	0.00	0.00
11q#144333_144338	11	62373800-62412889	39090	SLC3A2	0.692294348	1	0.02	0.02
1p#1540_1541	1	16551324-16561593	10270	AK130020	0	1	0.00	0.00
6p#85977_85985	6	55152687-55236477	83791	HCRTR2	0	1	0.00	0.00
11q#144248_144249	11	61863960-61881203	17244	ASRGL1	0	1	0.00	0.00
12q#154400_154415	12	44838411-45008069	169659	AK024263, SLC38A1	0	1	0.00	0.00
12q#154423_154431	12	45058801-45134433	75633	BC014370	0	1	0.00	0.00
12q#154500_154501	12	46359770-46370607	10838	FLJ21908	0	1	0.00	0.00
12q#154502_154516	12	46377648-46457795	80148	FLJ21908, P11, AL831948, RAPGEF3, FLJ20489	0	1	0.00	0.00
12q#154538_154542	12	46647543-46668446	20904	TMEM106C, COL2A1	0	1	0.00	0.00
12q#154620_154642	12	47340334-47503930	163597	C12orf41, CCNT1, AK131005, ADCY6, CACNB3	0	1	0.00	0.00
12q#158524_158527	12	94269355-94332803	63449		0	1	0.00	0.00
12q#160432_160519	12	116005062-116866798	861737	U79257, FBXO21, AF131796, NOS1, KSR2	0	1	0.00	0.00
12q#160694_160711	12	118991152-119107148	115997	CDC64, RAB35, CR602867, GCN1L1, RPLP0, CR60746	0	1	0.00	0.00
12q#160712_160730	12	119111030-119244228	133199	PXN, BC053934, SIRT4, PLA2G1B, MSI1	0	1	0.00	0.00
12q#160853_160871	12	120179555-120338337	158783	CAMKK2, BC045686, ANAPC5, RNF34, FBXL10	0	1	0.00	0.00
12q#160872_160904	12	120344791-120628635	283845	L10, TMEM142A, AK027372, MORN3, AY177732, AK12	0	1	0.00	0.00
12q#160922_160954	12	120760973-121153516	392544	AK057510, PSMD9, WDR66, BCL7A, MLXIP, AB020674	0	1	0.00	0.00
12q#160955_160990	12	121159001-121416055	257055	LRR43, B3GNT4, DIABLO, AL833244, VPS33A, RSN	0	1	0.00	0.00
19p#208449_208456	19	16940004-17011201	71198	CPAMD8	0.692294348	1	0.02	0.02
19p#208479_208526	19	17221810-17554950	333141	DA1, TMEM16H, GTPBP3, PLVAP, BST2, BC033873, AK	0.692294348	1	0.02	0.02
19q#209718_209734	19	40944669-41049607	104939	C14orf137, SNX26, AK055260, PRODH2, NPHS1, KIRRE	0	1	0.00	0.00

19q#211506_211542	19	56134961-56333999	199039	7, KLK8, KLK9, KLK10, KLK11, KLK12, KLK13, KLK14, A	Inf	1	0.02	0.00
1q#10920_10925	1	148993070-149027791	34722	CR933683, HRNR	Inf	1	0.02	0.00
1q#14786_14811	1	191721683-192616125	894443		1.398928118	1	0.03	0.02
1q#10405_10409	1	142940373-142966732	26360	AF379624, POLR3GL, ANKRD34, LIX1L	Inf	1	0.02	0.00
1q#10410_10449	1	142974897-143236313	261417	PEX11B, ITGA10, ANKRD35, PIAS3, NUDT17, POLR3C	Inf	1	0.02	0.00
3p#41519_41524	3	42742471-42767815	25345	CCDC13	0	1	0.00	0.00
3p#41580_41766	3	43320136-45381541	2061406	ZNF167, ZNF660, BX538171, ZNF197, ZNF35, ZNF50	0	1	0.00	0.00
3p#41071_41078	3	38074690-38134999	60310	DLEC1	0	1	0.00	0.00
3p#41447_41511	3	42031324-42697493	666170	CK, LYZL4, AK056819, VIPR1, SEC22C, CR595143, SS	0	1	0.00	0.00
3p#41526_41579	3	42791279-43312141	520863	610139, CYP8B1, BC011588, BC080592, ZNF662, AK09	0	1	0.00	0.00
1p#10034_10037	1	116328303-116367330	39028	C1orf161	0	1	0.00	0.00
3p#41053_41070	3	37984306-38068499	84194	CTDSP1, AX810712, VILL, PLCD1, DLEC1	0	1	0.00	0.00
3p#41079_41365	3	38139188-41233095	3093908	8, GORASP1, TTC21A, AXUD1, CMYA1, CX3CR1, CCF	0	1	0.00	0.00
3p#41435_41446	3	41913093-42013742	100650	AK000581	0	1	0.00	0.00
3p#41512_41518	3	42703213-42732828	29616	KBTBD5, GUP1, CCDC13	0	1	0.00	0.00
3p#41366_41434	3	41241584-41901145	659562	CTNNB1, BC018795, AK093396, AK000581	0	1	0.00	0.00
5p#67431_67432	5	173404-183990	10587		0	1	0.00	0.00
20p#212848_212855	20	3056503-3096353	39851	UBOX5, ProSAPIP1	0	1	0.00	0.00
20p#212679_212686	20	1516966-1586106	69141	SIRPB1, SIRPG	0	1	0.00	0.00
7q#106693_106706	7	150118634-150176611	57978	NOS3, ATG9B, ABCB8	0	1	0.00	0.00
11q#144896_144899	11	66228493-66254780	26288	SPTBN2, AF079569	1.044194198	1	0.05	0.05
11q#144900_144901	11	66260340-66272557	12218	FLJ22531	1.413401461	1	0.07	0.05
11q#144902_144916	11	66283129-66384545	101417	FLJ22531, RCE1, PC	1.413401461	1	0.07	0.05
11q#144880_144882	11	66136270-66143030	6761	RBM14	1.044194198	1	0.05	0.05
11p#139220_139222	11	484533-498116	13584	RNH1, AK095144	0	1	0.00	0.00
11p#139223_139227	11	505016-531502	26487	HRAS, LRRC56	0	1	0.00	0.00
10q#132812_132860	10	66103552-67307970	1204419	BC050028	0	1	0.00	0.00
10q#134256_134261	10	80737773-80769595	31823	RAI17	Inf	1	0.02	0.00
4q#60049_60108	4	87460452-88020088	559637	MAPK10, PTPN13	0	1	0.00	0.00
10q#133886_133903	10	76538335-76668926	130592	DUSP13, SAMD8, VDACC2	Inf	1	0.02	0.00
10q#134262_134278	10	80774609-80904813	130205	PPIF, C10orf56	Inf	1	0.02	0.00
4q#61333_61349	4	102474355-102623138	148784	PPP3CA	0	1	0.00	0.00
4q#59850_59855	4	84896721-85007065	110345		0	1	0.00	0.00
4q#60045_60048	4	87407887-87443036	35150	MAPK10	0	1	0.00	0.00
4q#60536_60542	4	92397597-92444806	47210	AB051467	0	1	0.00	0.00
10q#133904_134027	10	76675253-77998251	1322999	AK023445, ZNF503, AK024492, CR933639, C10orf11	Inf	1	0.02	0.00
10q#134159_134165	10	79399017-79448952	49936	AF194537, POLR3A	Inf	1	0.02	0.00
10q#134248_134255	10	80668229-80727500	59272	RAI17	Inf	1	0.02	0.00
11p#143308_143313	11	49087250-49142789	55540	FOLH1	Inf	1	0.02	0.00
4q#59764_59768	4	84105665-84135511	29847	SEC31L1	0	1	0.00	0.00
11p#143314_143333	11	49156877-49557672	400796	FOLH1	Inf	1	0.02	0.00
4q#59702_59751	4	83512199-83983996	471798	HNRPD, HNRPDL, MASA, AK023055, C4orf11, SCD5	0	1	0.00	0.00
15q#179532_179555	15	38378961-38471594	92634	87873, BC036424, FLJ43339, BC061640, DISP2, BC037	0	1	0.00	0.00
11p#143334_143337	11	49576883-49655726	78844		Inf	1	0.02	0.00
14q#173069_173113	14	57778846-58098240	319395	SMA3, BC034618, ARID4A, UNQ9438, TIMM9, KIAA058	0	1	0.00	0.00
14q#173447_173450	14	61352811-61410291	57481		0	1	0.00	0.00
14q#173966_173985	14	66734762-66889459	154698	C14orf54, MPP5, CR619369, ATP6V1D	0	1	0.00	0.00
14q#173451_173472	14	61427835-61665207	237373	SYTT16, AJ617628, CR626003, BX248751	0	1	0.00	0.00
14q#173490_173524	14	62191471-62504351	312881	KCNH5	0	1	0.00	0.00
14q#173861_173878	14	65534616-65951996	417381		0	1	0.00	0.00
12p#152251_152259	12	14649429-14718913	69485	GUCY2C	0	1	0.00	0.00
12p#152321_152325	12	15231286-15269570	38285	REG	0	1	0.00	0.00
14q#173859_173860	14	65507701-65524818	17118		0	1	0.00	0.00
12q#155938_155940	12	56633663-56644279	10617	XRCC6BP1	0	1	0.00	0.00
3q#49256_49460	3	140496919-142826338	2329420	AT3, CLSTN2, AK056411, TRIM42, SLC25A36, SPSB4,	0	1	0.00	0.00

11q#144448_144452	11	63408069-63429266	21198	MARK2	Inf	1	0.02	0.00
11q#144612_144633	11	64458487-64584890	126404	DC283129, BC033501, BAF2, ARL2, AK096447, SNX15	0	1	0.00	0.00
3q#45533_45563	3	95145690-95472196	326507	PROS1, ARL13B, DHFRL1, NSUN3, AK025762	0	1	0.00	0.00
3q#45638_45639	3	97583451-97609773	26323		0	1	0.00	0.00
3q#45674_45688	3	98191800-98326610	134811	AK092565	0	1	0.00	0.00
11q#144472_144496	11	63538441-63722081	183641	LRP16, STIP1	0	1	0.00	0.00
11q#144606_144611	11	64427356-64456881	29526	KIAA0404, PPP2R5B	0	1	0.00	0.00
10p#128188_128193	10	1411310-1457395	46086	ADARB2	0	1	0.00	0.00
3q#45739_45767	3	98781194-99095431	314238	BC031881, ARL6, AK130921, DKFZp667G2110	0	1	0.00	0.00
3q#45883_45934	3	100074787-101016835	942049	DCBLD2, AK093118, COL8A1	0	1	0.00	0.00
3q#46099_46143	3	102666475-103050405	383931	MTD1, PCNP, ZBTB11, AK022880, RPL24, LRR1Q2, AL8	0	1	0.00	0.00
3q#46196_46250	3	103646779-105219332	1572554	ZPLD1, BC070396	0	1	0.00	0.00
3q#46407_46517	3	108356697-109578807	1222111	CDC54, BC042024, BBX, BC039365, BC039517, AK091	0	1	0.00	0.00
19q#211679_211702	19	57402198-57612587	210390	Z1, ZNF480, AK097759, ZNF610, BC039903, AK092566,	Inf	1	0.02	0.00
19q#211874_211885	19	58980871-59009759	88889	NALP12, AK057976, MYADM	Inf	1	0.02	0.00
11q#144497_144519	11	63728054-63816778	88725	T22, DNAJC4, VEGFB, FKBP2, PPP1R14B, PLCB3, Z26	0	1	0.00	0.00
3q#45564_45565	3	95505849-95573645	67797		0	1	0.00	0.00
3q#45578_45599	3	96112758-96371288	258531	BC038721, BC063131	0	1	0.00	0.00
3q#45623_45637	3	97182455-97572953	390499		0	1	0.00	0.00
11q#144421_144442	11	63176495-63353788	177294	DKFZP564J0863, RTN3, BC065479, LOC144097	Inf	1	0.02	0.00
11q#144595_144605	11	64374591-64423862	49272	EHD1, AK092802, KIAA0404	0	1	0.00	0.00
12q#155934_155937	12	56599424-56625737	26314	CR602022, XRCC6BP1	0	1	0.00	0.00
11q#144520_144539	11	63819511-63914768	95258	KCNK4, AF247042, ESRRA, PRDX5, CCDC88, RPS6KA,	0	1	0.00	0.00
3q#45935_46024	3	101023025-101817200	794176	C1D23, BC020955, NIT2, TOMM70A, BC040562, TMEM4	0	1	0.00	0.00
3q#46036_46098	3	101934035-102660561	726527	TFG, ABI3BP, IMPG2, SENP7	0	1	0.00	0.00
19q#209975_210010	19	43460442-43757212	296771	1B, KCNK6, C19orf15, PSMD8, SPRED3, FAM98C, RAS	Inf	1	0.02	0.00
3q#45600_45622	3	96392292-97154693	762402	AK092228	0	1	0.00	0.00
19q#211610_211637	19	56872750-57072376	199627	DC147650, HAS1, M60626, FPR1, FPRL1, FPRL2, BC03	0	1	0.00	0.00
3q#45566_45577	3	95613257-96084199	470943		0	1	0.00	0.00
11q#144217_144223	11	61634943-61676391	41449	INCENP	0	1	0.00	0.00
1p#1542_1544	1	16571625-16592510	20886	AK130020	Inf	1	0.02	0.00
3q#48154_48158	3	128170500-128208546	38047	AK126748, PLXNA1	0	1	0.00	0.00
3q#48159_48162	3	128214870-128237625	22756	PLXNA1	0	1	0.00	0.00
12q#158734_158742	12	97301214-97372878	71665		0	1	0.00	0.00
19q#211291_211332	19	54504005-54756019	252015	FLJ32658, TIP39, SLC17A7, NOP17, ALDH16A1, AY00	0	1	0.00	0.00
16p#188599_188612	16	28012170-28119254	107085	XPO6	1.398928118	1	0.03	0.02
16p#189033_189034	16	31813189-31819016	5828	ZNF267	Inf	1	0.02	0.00
16p#189035_189037	16	31835555-31854891	19337	ZNF267	Inf	1	0.02	0.00
16p#188516_188518	16	27210048-27230627	20580		1.398928118	1	0.03	0.02
16p#188583_188598	16	27783395-27992748	209354	MGC18079, AK128775	1.398928118	1	0.03	0.02
5p#67914_68153	5	6170467-9476461	3305995	RD5A1, AK126802, POLS, LOC442132, ADCY2, BC0625	0	1	0.00	0.00
5p#68185_68217	5	9753149-10328659	575511	BC031253, LOC134145, CCT5	0	1	0.00	0.00
5p#68229_68424	5	10425663-13280760	2855098	H6, ROPN1L, AK127412, AF056448, DAP, CTNND2, AY	0	1	0.00	0.00
5p#68425_68471	5	13319637-13981312	661676	AK026756, DNAH5	0	1	0.00	0.00
5p#67679_67713	5	2561476-2966319	404844	IRX2, CEI	0	1	0.00	0.00
5p#69119_69220	5	23207006-25041846	1834841	315093, DQ388610, PRDM9, AK092155, CDH10, BC040	0	1	0.00	0.00
5p#69236_69315	5	25454035-27629033	2174999	CDH9, BC046201	Inf	1	0.02	0.00
5p#69228_69235	5	25258652-25411882	153231	BC036004	Inf	1	0.02	0.00
20p#214614_214635	20	24435154-24728453	293300	C20orf39	0	1	0.00	0.00
16p#187603_187636	16	15733873-15995932	262060	MYH11, AK027135, C16orf63, ABCC1	1.398928118	1	0.03	0.02
16p#186490_186495	16	3088138-3116073	27936	AK074736, BC001809, ZNF205	1.398928118	1	0.03	0.02
16p#186496_186500	16	3121643-3143164	21522	AF098968, ZNF213, AF098666	1.398928118	1	0.03	0.02
16p#188977_188978	16	31315754-31321971	6218	ITGAD	Inf	1	0.02	0.00
16p#188992_188995	16	31400800-31412127	11328	SLC5A2, C16orf58	Inf	1	0.02	0.00
16p#188614_188624	16	28133442-28237474	104033	AB075516, SBK1	1.398928118	1	0.03	0.02

16p#188996	189006	16	31422339-31485749	63411	C16orf58, ERAF	Inf	1	0.02	0.00
16p#186455	186488	16	2881232-3077336	196105	PKMYT1, AK098017, CLDN6, TNFRSF12A, THOC6, AL	1.398928118	1	0.03	0.02
16p#188625	188626	16	28242579-28246227	3649	SBK1, AB075516	1.398928118	1	0.03	0.02
16p#188645	188658	16	28503138-28762218	259081	CDC101, SULT1A2, SULT1A1, BX647358, ATXN2L, TUF	1.398928118	1	0.03	0.02
16p#188667	188678	16	28811374-28870759	59386	ATP2A1, RABEP2, BX647358, CD19, NFATC2IP	1.398928118	1	0.03	0.02
16p#188627	188644	16	28310845-28498829	187985	C440348, BC111068, CLN3, AK090709, IL27, P8, CCDC	1.398928118	1	0.03	0.02
16p#188702	188704	16	29168352-29225815	57464	AK027150, AK023827	Inf	1	0.02	0.00
5q#70720	70731	5	51079805-51462642	382838		0	1	0.00	0.00
19q#210515	210522	19	48008819-48187471	178653	S59494, PSG1, PSG7, CR599789	Inf	1	0.02	0.00
19q#210528	210529	19	48337389-48340424	3036	M38046	Inf	1	0.02	0.00
19q#210523	210527	19	48205963-48276317	70355	PSG11, CR599789, PSG2	Inf	1	0.02	0.00
16q#190226	190250	16	58488308-58935607	447300	CR936694	0	1	0.00	0.00
16q#190269	190271	16	59500334-59617350	117017		0	1	0.00	0.00
16q#190251	190253	16	58954522-59001677	47156		0	1	0.00	0.00
16q#191137	191224	16	69938962-70647137	708176	RVELD3, PHLPL, BX647823, AP1G1, BX537575, LOC	0	1	0.00	0.00
16q#190254	190268	16	59034322-59437155	402834		0	1	0.00	0.00
16q#191699	191705	16	76571264-76621921	50658	KIAA1576, BC050287, CLEC3A	0	1	0.00	0.00
16q#190993	190996	16	68534289-68610552	76264	AJ001982	0	1	0.00	0.00
16q#190991	190992	16	68528794-68532047	3254	WWP2	0	1	0.00	0.00
6q#88765	88768	6	101760344-101870818	110475		0	1	0.00	0.00
6q#88782	88840	6	102041299-102556651	515353	GRIK2	0	1	0.00	0.00
16q#190998	190999	16	68648091-68667065	18975	AJ001982	0	1	0.00	0.00
6q#88841	88859	6	102564443-102960357	395915	GRIK2	0	1	0.00	0.00
6q#88561	88568	6	98420589-98610904	190316		0	1	0.00	0.00
6q#88328	88363	6	94108058-94880515	772458	EPAH7, AY314747	0	1	0.00	0.00
6q#88559	88560	6	98375834-98397227	21394		0	1	0.00	0.00
6q#88569	88606	6	98627347-99437270	809924	POU3F2, FBXL4	0	1	0.00	0.00
6q#88673	88674	6	100177871-100184521	6651		0	1	0.00	0.00
6q#88376	88388	6	95311959-95641411	329453		0	1	0.00	0.00
9q#125135	125193	9	111282445-111773195	490751	AK091948, C9orf29, BC040897, bA16L21.2.1, LOC5528	0	1	0.00	0.00
9q#125205	125390	9	111936601-113439585	1502985	FP37, SLC31A2, AB014574, SLC31A1, AK074629, CDC	0	1	0.00	0.00
9q#126063	126076	9	121797833-121941678	143846	AK125178, TLL11	0	1	0.00	0.00
9q#126220	126226	9	122960331-123011890	51560	AK130011, STRBP	0	1	0.00	0.00
6q#87666	87739	6	84035563-84793211	757649	ME1, PRSS35, SNAP91, C6orf159, CYB5R4	0	1	0.00	0.00
6q#88607	88672	6	99444505-100170171	725667	186, C6orf111, AK074628, AK123299, AL713747, BC005	0	1	0.00	0.00
9q#125888	125894	9	120109861-120230754	120894	CDK5RAP2	0	1	0.00	0.00
9q#126214	126218	9	122924147-122952280	28134	RABGAP1, AK130011, C9orf45	0	1	0.00	0.00
18p#201413	201423	18	8769828-8957868	188041	KIAA0802, AB018345	0	1	0.00	0.00
9q#125397	125400	9	113531047-113615982	84936		0	1	0.00	0.00
9q#125523	125552	9	114743399-114983696	240298	TNFSF8, TNC, BC034316, DEC1	0	1	0.00	0.00
9p#121621	121642	9	38343993-38494913	150921	ALDH1B1, IGF1BP1	0	1	0.00	0.00
6q#91271	91443	6	135280233-137091570	1811338	1L, MYB, AH1, BC040979, PDE7B, FAM54A, BCLAF1, A	0	1	0.00	0.00
6q#91733	91739	6	141468318-141642654	174337		0	1	0.00	0.00
6q#91758	91759	6	142052939-142063797	10859	AK097143	0	1	0.00	0.00
9q#125062	125134	9	110445968-111272255	826288	MUSK, EDG2, AB002366, AK127247	0	1	0.00	0.00
9q#125947	125966	9	120697464-120848741	151278	PHF19, BX640713, TRAF1, C5	0	1	0.00	0.00
18p#201904	201908	18	14537587-14602947	65361		0	1	0.00	0.00
9q#125871	125887	9	119841634-120105553	263920		0	1	0.00	0.00
18p#201424	201440	18	8989071-9142832	153762	NDUFV2, ANKRD12	0	1	0.00	0.00
13q#162504	162522	13	24081194-24247053	165860	ATP12A, RNF17	0	1	0.00	0.00
6q#91773	91777	6	142242116-142310504	68389	AK097143	0	1	0.00	0.00
19p#208833	208837	19	2001965-20077289	59325	CR593334	0	1	0.00	0.00
6q#91257	91270	6	134962194-135272501	310308	AY944074	0	1	0.00	0.00
6q#91760	91767	6	142075401-142149243	73843	AK097143	0	1	0.00	0.00
9q#125553	125558	9	114990577-115045975	55399	DEC1	0	1	0.00	0.00

8p#109193_109195	8	21965962-21974105	8144	BC052805, EPB49	0	1	0.00	0.00
8p#107679_107692	8	1862750-1980302	117553	ARHGEF10, KB1BD11	0	1	0.00	0.00
19p#208841_208850	19	20153568-20288741	135174	AF338193	0	1	0.00	0.00
18p#201909_201910	18	14723811-14730459	6649		0	1	0.00	0.00
18q#204481_204488	18	50072218-50128824	56607	POLI, STARD6	0	1	0.00	0.00
6q#87419_87420	6	80141390-80170505	29116		0	1	0.00	0.00
6q#91768_91772	6	142160242-142223082	62841	AK097143	0	1	0.00	0.00
6q#86824_86833	6	72035810-72080798	44989	OGFRL1, BC110999	0	1	0.00	0.00
6q#86836_86854	6	72099961-72182714	82754	BC110999, C6orf155	Inf	1	0.02	0.00
4q#59377_59406	4	79352729-79634077	281349	FRAS1	0	1	0.00	0.00
19p#208838_208840	19	20094251-20120188	25938	CR593334	0	1	0.00	0.00
19p#208891_208914	19	20906926-21266658	359733	5, ZNF430, AL832422, ZNF714, ZNF431, AX721153, ZN	0	1	0.00	0.00
18p#201911_201918	18	14738584-14774279	35696	ANKRD30B	0	1	0.00	0.00
4q#66799_66824	4	184393519-184644554	251036	FLJ30277, AF338196, WWC2	0	1	0.00	0.00
4q#66862_66876	4	184947440-185093086	145647	RWDD4A, FLJ12716, AF338196	0	1	0.00	0.00
4q#66894_66927	4	185313825-185714929	401105	STOX2, ENPP6, AK056680, AK097110, IRF2	0	1	0.00	0.00
8p#109197_109198	8	21987419-21991270	3852	EPB49	0	1	0.00	0.00
8p#109206_109222	8	22026248-22103756	77509	HR, REEP4, LGI3, AK058094, SFTPC, BMP1	0	1	0.00	0.00
8p#109199_109205	8	21995824-22023360	27537	EPB49, RAI16, NUDT18	0	1	0.00	0.00
18q#204474_204480	18	50029588-50067805	38218	POLI	0	1	0.00	0.00
18q#204489_204544	18	50134850-51046182	911333	D6, C18orf54, C18orf26, RAB27B, CCDC68, AK093940,	0	1	0.00	0.00
4q#66797_66798	4	184377110-184383931	6822	AF338196	0	1	0.00	0.00
4q#66825_66861	4	184657990-184942741	284752	AF338196, CARF, ING2, RWDD4A	0	1	0.00	0.00
4q#58823_58847	4	73440538-73681404	240867	ADAMTS3	Inf	1	0.02	0.00
4q#58848_58865	4	73689048-73860717	171670	ADAMTS3	0.692294348	1	0.02	0.02
19p#208854_208865	19	20366292-20555357	189066	AF338193, FLJ44894	0	1	0.00	0.00
4q#66928_66933	4	185728179-185793460	65282	IRF2	0	1	0.00	0.00
4q#66959_66988	4	186064736-186433468	368733	ACSL1, BC043280	0	1	0.00	0.00
19p#208915_208959	19	21284691-21782094	497404	08, AX721153, ZNF493, ZNF429, BC017035, ZNF100, Z	0	1	0.00	0.00
10p#128467_128486	10	4834945-4979786	144842	AKR1CL2, CR598545	0.692294348	1	0.02	0.02
10p#128782_128826	10	7848062-8255864	407803	KIN, ATP5C1, BC073884, GATA3	Inf	1	0.02	0.00
10p#128910_128929	10	10461049-10927386	466338	CR613571	Inf	1	0.02	0.00
10p#129213_129216	10	13763111-13795603	32493	FRMD4A	Inf	1	0.02	0.00
10p#129249_129384	10	14078790-15307000	1228211	HSPA14, SUV39H2, DCLRE1C, THEDC1, ACBD7, C10	0	1	0.00	0.00
18q#204451_204473	18	49594812-50015205	420394	MBD2	0	1	0.00	0.00
4q#67121_67130	4	187592421-187687796	95376	BC034307	0	1	0.00	0.00
15q#178192_178198	15	22986324-23042505	56182	AF400495, AF400497, AF400499, AF400501	0	1	0.00	0.00
4q#57675_57714	4	54756132-55278279	522148	CHIC2, AY229892, GSH2, PDGFRA	0	1	0.00	0.00
10q#139113_139117	10	134995671-135014426	18756	TUBGCP2, ZNF511	0	1	0.00	0.00
18q#202314_202327	18	20982229-21096937	114709	ZNF521	0	1	0.00	0.00
18q#202343_202351	18	21393724-21634270	240547		0	1	0.00	0.00
18q#204440_204450	18	49338411-49539444	201034		0	1	0.00	0.00
4q#66989_67058	4	186443369-187001537	558169	1993, SNX25, LRP2BP, AK126913, ANKRD37, C4orf20,	0	1	0.00	0.00
19p#208965_208985	19	21880430-22156611	276182	AB062076, ZNF208, ZNF257, ZNF676	0	1	0.00	0.00
4q#66777_66796	4	184152902-184369104	216203	DCTD, AF338196	0	1	0.00	0.00
21q#218923_218933	21	28160073-28343056	182984	AL109791, C21orf94, AK093119	0	1	0.00	0.00
10p#128487_128545	10	4987919-5492386	504468	1C2, DQ269985, AKR1C3, AKR1CL1, AKR1C4, UCN3,	0.692294348	1	0.02	0.02
10p#128574_128643	10	5779731-6353156	573426	C067892, ANKRD16, FBXO18, IL15RA, IL2RA, RBM17,	Inf	1	0.02	0.00
10p#128827_128881	10	8297868-9727231	1429364	BC031880, AK127590	Inf	1	0.02	0.00
10p#128888_128909	10	9942546-10436255	493710		Inf	1	0.02	0.00
10p#130881_130886	10	33447752-33522583	74832	NRP1	0	1	0.00	0.00
10p#130891_130897	10	33561916-33612412	50497	NRP1	0	1	0.00	0.00
4q#66751_66776	4	183878986-184131639	252654	AF195420, AB040888	0	1	0.00	0.00
4q#67099_67119	4	187396443-187576350	179908	AK057166, DKFZP564J102, CYP4V2, KLKB1, F11	0	1	0.00	0.00
1p#118_123	1	1875511-1899361	23851	TMEM52, LOC339457	0	1	0.00	0.00

12p#153576_153637	12	31483451-32175879	692429	MGC24039, MGC50559, LOC196394, C12orf35, BICD1	0	1	0.00	0.00
12p#153669_153707	12	32527382-32846633	319252	FGD4, DNM1L, YARS2, PKP2	0	1	0.00	0.00
4q#67222_67279	4	188640621-189329766	689146	BC042049, AL157490, ZFP42	0	1	0.00	0.00
21q#218054_218074	21	16003969-16146447	142479	USP25	0	1	0.00	0.00
4q#67159_67217	4	187942901-188567087	624187	FAT	0	1	0.00	0.00
15q#178151_178191	15	22620019-22976460	356442	F319522, AF319524, AF400485, AL832758, AF400489,	0	1	0.00	0.00
15q#178199_178259	15	23050213-23647774	597562	AF400501, UBE3A, BC041438, ATP10A	0	1	0.00	0.00
10q#139118_139124	10	135017774-135054623	36850	DRD1IP, PRAP1	0	1	0.00	0.00
18q#202303_202313	18	20886912-20975515	88604	ZNF521	0	1	0.00	0.00
4q#66030_66032	4	171612228-171685909	73682		0	1	0.00	0.00
6p#80781_80787	6	97634-174874	77241	AK097546	0	1	0.00	0.00
4q#67059_67064	4	187008261-187047404	39144	SORBS2	0	1	0.00	0.00
19p#208986_208995	19	22188574-22303125	114552	ZNF676	0	1	0.00	0.00
12p#153638_153668	12	32181760-32489343	307584	BICD1	0	1	0.00	0.00
4q#67154_67158	4	187899683-187933172	33490	FAT	0	1	0.00	0.00
4q#67218_67221	4	188591332-188630334	39003	BC042049	0	1	0.00	0.00
18q#202064_202093	18	18248643-18819005	570363	CTAGE1, RBBP8	0	1	0.00	0.00
6p#84265_84386	6	36666488-37617414	950927	BX538108, AK124589, PI16, MTCH1, FGD2, PIM1, C6orf	0	1	0.00	0.00
10p#128547_128573	10	5509528-5767816	258289	CALML5, AK128534, M36707, ASB13, CR936780	Inf	1	0.02	0.00
19q#209454_209460	19	38476226-38487294	11069	CEBPA, CR602936	0	1	0.00	0.00
10q#139087_139112	10	134853791-134990207	136417	KNDC1, UTF1, VENTX, ADAM8, TUBGCP2	0	1	0.00	0.00
22q#222850_222885	22	29237643-29420495	182853	AK127185, TCN2, SLC35E4, CR614052, BC093099, D	0	1	0.00	0.00
22q#222845_222849	22	29207337-29231336	24000	SEC14L4	0	1	0.00	0.00
22q#222886_222905	22	29426882-29577287	150406	OSBP2	0	1	0.00	0.00
22q#222907_222927	22	29594981-29783507	188527	OSBP2, FLJ35801, MORC2, AK056480	Inf	1	0.02	0.00
22q#222928_223036	22	29802958-30526681	723724	IGC17330, ZNF278, BC004550, DRG1, AF078103, EIF4	0	1	0.00	0.00
4q#64985_65005	4	156873903-157074198	200296	GUCY1A3, AK124244, GUCY1B3	0	1	0.00	0.00
4q#66014_66029	4	171333076-171567367	234292	AADAT	0	1	0.00	0.00
4q#67065_67066	4	187058131-187071629	13499	SORBS2	0	1	0.00	0.00
12q#154923_154929	12	49521912-49582214	60303	TMPPRSS12	0	1	0.00	0.00
4q#66651_66661	4	181911919-182173672	261754		0	1	0.00	0.00
4q#67087_67098	4	187271985-187390378	118394	TLR3	0	1	0.00	0.00
19p#207646_207671	19	10246601-10432687	186087	ICAM5, MGC19604, RAVR1, ICAM3, TYK2, CDC37, A	0	1	0.00	0.00
1p#3773_3933	1	39680263-40995854	1315592	CAP1, PPT1, RLF, TMCO2, ZMPSTE24, COL9A2, SMA	0	1	0.00	0.00
1p#3955_3988	1	41191176-41653286	462111	SCMH1, EDN2, HIVER3	0	1	0.00	0.00
1p#4484_4495	1	46159865-46277007	117143	MAST2, PIK3R3	0	1	0.00	0.00
21q#218039_218053	21	15585277-15981923	396647		0	1	0.00	0.00
4p#54154_54157	4	1777262-1794318	17057	FGFR3, LETM1	0	1	0.00	0.00
22q#224831_224832	22	44813553-44819593	6041	FLJ27365	0	1	0.00	0.00
19q#209427_209453	19	38203834-38463368	259535	RHPN2, GPATC1, LOC126248, LRP3, SLC7A10	0	1	0.00	0.00
19q#209461_209463	19	38495119-38514063	18945		0	1	0.00	0.00
4q#58339_58342	4	66816761-66883815	67055		0	1	0.00	0.00
6p#84387_84407	6	37628798-37924901	296104	AK126965, MDGA1, CR604758, TEX27	0	1	0.00	0.00
4q#64221_64348	4	147548060-149110769	1562710	YD-SP14, EDNRA, CR624983, TMEM34, BC046128, LO	0	1	0.00	0.00
4q#64390_64427	4	149478456-150026786	548331	NR3C2	0	1	0.00	0.00
4q#65033_65200	4	157427598-159912213	2484616	GLRB, GRIA2, C4orf18, AK096792, TMEM144, AK12264	0	1	0.00	0.00
4q#65261_65290	4	160571960-161250353	678394	AB002311	0	1	0.00	0.00
4q#65648_65682	4	166540017-166902364	362348	KLHL2, SC4MOL, CPE	0	1	0.00	0.00
4q#65692_65712	4	167122168-167309686	187519	TLL1	0	1	0.00	0.00
4q#65812_65818	4	168765562-169025236	259675		0	1	0.00	0.00
21q#219835_219866	21	36093751-36386484	292734	AK123035, SETD4	0	1	0.00	0.00
4q#65006_65028	4	157083843-157264601	180759	GUCY1B3, ACCN5, TDO2, CTSO	0	1	0.00	0.00
4q#67067_67086	4	187078184-187258846	180663	SORBS2	0	1	0.00	0.00
6p#80789_80791	6	211079-238493	27415	DUSP22	0	1	0.00	0.00
19p#208178_208189	19	14591047-14703896	112850	EMR3, ZNF333, BC048107	0	1	0.00	0.00

4p#54147_54152	4	172492-1767656	43365	FGFR3		0	1	0.00	0.00
22q#224829_224830	22	44807694-44811071	3378	FLJ27365		0	1	0.00	0.00
22q#225342_225344	22	49237352-49244850	7499	hCAP-H2		0	1	0.00	0.00
1p#4153_4243	1	43300767-44021734	720968	C1orf210, TIE1, MPL, CDC20, ELOVL1, MED8, C1orf84,		0	1	0.00	0.00
1p#4266_4356	1	44158597-4492816	834220	C1orf164, TMEM53, MGC33556, KIF2C, RPS8, VMD2L2,		0	1	0.00	0.00
1p#4386_4467	1	45247348-4592684	745337	K054714, MMACHC, PRDX1, AKR1A1, NASP, BC11098,		0	1	0.00	0.00
2q#33566_33575	2	191611367-191695383	84017	GLS, STAT1		0	1	0.00	0.00
4p#54144_54146	4	1709821-1718883	9063	TACC3		0	1	0.00	0.00
4q#64211_64220	4	147438099-147534774	96676	LSM6, BC019894, C4orf13		0	1	0.00	0.00
4q#65029_65032	4	157302998-157389657	86660			0	1	0.00	0.00
4q#65201_65260	4	159923872-160555558	631687	, LOC201725, ETFDH, PPIID, AB040883, FLJ25371, ABC		0	1	0.00	0.00
4q#65291_65304	4	161293214-161635981	342768			0	1	0.00	0.00
4q#65713_65721	4	167318114-167391006	72893	TLL1		0	1	0.00	0.00
6p#80793_80799	6	262620-320949	58330	DUSP22		0	1	0.00	0.00
12q#154914_154922	12	49463530-49511363	47834	ATF1		0	1	0.00	0.00
19p#208190_208196	19	14723551-14777815	54265	EMR2		0	1	0.00	0.00
21q#219955_220054	21	37119939-37931211	811273	S, DSCR6, PIGR, TTC3, DSCR9, DSCR3, DYRK1A, KC		0	1	0.00	0.00
21q#220162_220204	21	38827654-39133530	305877	ERG, AY204747, C21orf24, AY204746, ETS2		0	1	0.00	0.00
21q#220473_220478	21	41270119-41403999	133881			0	1	0.00	0.00
21q#220479_220514	21	41414667-41680949	266283	AK094492, BACE2, BC036314, FAM3B, MX2		0	1	0.00	0.00
21q#220515_220535	21	41686534-41935451	248918	MX2, AK096355, MX1, TMPRSS2		0	1	0.00	0.00
22q#225345_225376	22	49248331-49406305	157975	F1, KLHDC7B, CR593162, CHKB, CR456603, MAPK		0	1	0.00	0.00
16p#188916_188960	16	30933505-31168379	234875	646, LOC339105, VKORC1, BCKDK, MYST1, PRSS8, P		Inf	1	0.02	0.00
16p#188829_188859	16	30417973-30593148	175176	C13138, ZNF688, BC073814, FLJ32130, AL834299, ZN		0.692294348	1	0.02	0.02
16p#188871_188879	16	30674155-30727796	53642	PHKG2, LOC90835, RNF40, AB002324		Inf	1	0.02	0.00
16p#188711_188712	16	29560500-29572089	11590	BOLA2		Inf	1	0.02	0.00
16p#188796_188828	16	30255342-30411043	155702	TBC1D10B, MYLPF, SEPT1, ZNF553, LOC51333, XTP3		0.692294348	1	0.02	0.02
16p#186381_186437	16	2326759-2786417	459659	BX648283, ATP6V0C, AMDHD2, PDPK1, AK096394, LC		1.398928118	1	0.03	0.02
17q#196250_196257	17	34217158-34251508	34351	CCDC49		1.044194198	1	0.05	0.05
1q#16683_16713	1	213062779-213319921	257143	ESRRG		0.692294348	1	0.02	0.02
1q#16807_16824	1	214550344-214908330	357987	BC039113, CGI-115, TGFB2		1.398928118	1	0.03	0.02
1q#10588_10589	1	146534262-146549202	14941	X14355		Inf	1	0.02	0.00
14q#177117_177118	14	99870925-99874287	3363	WARS		0	1	0.00	0.00
17p#195036_195041	17	21765903-21835647	69745	BC039120		0	1	0.00	0.00
7p#98011_98052	7	43790394-44050147	259754	M2, AB209486, POLM, AEBP1, POLD2, MYL7, GCK, YK		0	1	0.00	0.00
7p#98127_98156	7	44648299-44862193	213895	H2AFV, PURB, AK097526, MYO1G, CCM2		0	1	0.00	0.00
12q#156003_156034	12	58019068-58467694	448627	BC007463, SLC16A7		0	1	0.00	0.00
14q#170106_170109	14	22022060-22052858	30799	BC063432		0	1	0.00	0.00
12q#155917_155929	12	56460713-56528808	68096	DKFZP586D0919, TSFM, AVIL, CTDSP2		0	1	0.00	0.00
14q#170103_170105	14	22000194-22012322	12129	BC063432		0	1	0.00	0.00
7p#98053_98126	7	44057519-44641051	583533	D3, NPC1L1, DDX56, BC035467, TMED4, OGDH, DKFZ		0	1	0.00	0.00
19q#211967_211981	19	59626135-59727786	101652	TTYH1, AF315098, LENG8, CDC42EP5, LAIR2		0	1	0.00	0.00
19q#211989_212030	19	59780403-60228272	447870	RA1, LILRB1, LILRB4, KIR3DL3, KIR2DS4, FCAR, NCR		0	1	0.00	0.00
19q#212053_212065	19	60374771-60467114	92344	X54150, SYT5, PTPRH, TMEM86B, SAPS1, HSPBP1		0	1	0.00	0.00
3p#39416_39462	3	15584981-16052725	467745	HACL1, BTD, ANKRD28, AK094780		0	1	0.00	0.00
3p#39463_39701	3	16071028-18918645	2847618	OXNAD1, DQ364598, RAFTLIN, DAZL, AB029015, PLCL		0	1	0.00	0.00
3q#49739_49749	3	146407964-146771877	363914			0	1	0.00	0.00
3q#49750_49913	3	146842203-149559606	2717404	10, PLOD2, PLSCR4, PLSCR2, PLSCR1, ZIC4, ZIC1, S		0	1	0.00	0.00
3q#49914_49942	3	149575818-149951626	375809	AGTR1		0	1	0.00	0.00
3q#49943_50286	3	149958592-153699779	3741188	078, RNF13, PFN2, TSC22D2, AF201290, SERP1, EIF2		0	1	0.00	0.00
3q#50287_50400	3	153719649-155948207	2228559	AP2B, AK092619, AF086445, BC038431, SGEF, DHX36		0	1	0.00	0.00
3q#50401_50730	3	155984429-159788044	3803616	MPS, KCNAB1, SSR3, TIPARP, AK056401, FLJ16641, B		0	1	0.00	0.00
3q#50815_50864	3	160790324-161260608	470285	SCHIP1, AK097161, IL12A		0	1	0.00	0.00
3q#50865_50902	3	161274280-161609035	334756	AK097161, BC033011, IF180, SMC4L1		0	1	0.00	0.00
3q#50915_51018	3	161668900-162721820	1052921	PPM1L, AK055115, BC035116, B3GALNT1, NMD3, AK		0	1	0.00	0.00

3q#51019_51059	3	162734085-163987524	1253440	BC019327	0	1	0.00	0.00
3q#51079_51150	3	164270795-166192902	1922108	BC019327, BC027488, SI	0	1	0.00	0.00
3q#51161_51299	3	166286784-168658642	2371859	SLITRK3, AK096400, BCHE, FLJ23049, SERPINI2	0	1	0.00	0.00
7p#96033_96040	7	22180265-22270519	90255	BC066301	0.692294348	1	0.02	0.02
12q#155558_155577	12	54162284-54329300	167017	OR6C68	0	1	0.00	0.00
12q#155915_155916	12	56453403-56455263	1861	DKFZP586D0919	0	1	0.00	0.00
19q#212046_212052	19	60333945-60366959	33015	X54150, TNNT1, TNNT3, LOC352909	0	1	0.00	0.00
1q#14337_14348	1	182854702-183007442	152741	HMCN1, PRG4	1.398928118	1	0.03	0.02
1q#14783_14785	1	191641567-191699535	57969		1.398928118	1	0.03	0.02
1q#10402_10404	1	142914439-142929350	14912	AF379624, TXNIP	Inf	1	0.02	0.00
1q#10854_10860	1	148513095-148554130	41036	AK093351, MRPL9, BC073949, OAZ3	Inf	1	0.02	0.00
1q#10903_10919	1	148857604-148984638	127035	TCHHL1, CR602107, AY827491, AY396742, CR933683	Inf	1	0.02	0.00
1q#10926_10933	1	149040203-149129672	89470	BC014333, FLG, AK056431	Inf	1	0.02	0.00
1q#10949_10957	1	149288712-149344413	55702	LCE5A, C1orf42	Inf	1	0.02	0.00
1q#14812_14847	1	192645771-193180060	534290	KCNT2	1.398928118	1	0.03	0.02
1q#15392_15393	1	199294243-199305055	10813	AF093822, SYT2	0.686886232	1	0.03	0.05
17q#195999_196035	17	31123416-31353056	229641	C17orf66, CCL5, CR592540, AK125932, RDM1, LYZL6	0	1	0.00	0.00
14q#177104_177116	14	99814682-99864560	49879	AF147416, SLC25A29, C14orf68	0	1	0.00	0.00
14q#177094_177103	14	99720067-99805004	84938	YY1	0	1	0.00	0.00
14q#177617_177633	14	103893086-104034667	141582		0	1	0.00	0.00
14q#177755_177776	14	104779683-104954063	174381	BRF1, PACS2, S55096	0	1	0.00	0.00
14q#177777_177779	14	104961146-104976067	14922	MTA1	0	1	0.00	0.00
11q#146246_146252	11	80149700-80360082	210383	AY726583	0.692294348	1	0.02	0.02
5q#79842_79875	5	170663330-171175968	512639	TLX3, NPM1, FGF18	0	1	0.00	0.00
5q#79941_79968	5	171784069-172145760	361692	SH3PXD2B, AK130731, AK128025, DUSP1	0	1	0.00	0.00
5q#79977_79989	5	172233510-172312183	78674	ERGIC1	0	1	0.00	0.00
14q#177794_177795	14	105050675-105058872	8198	S55096	0	1	0.00	0.00
5q#79969_79976	5	172157190-172219720	62531	ERGIC1	0	1	0.00	0.00
5q#80000_80021	5	172413584-172608616	195033	LOC153222, BNIP1, AK172771, NKX2-5	0	1	0.00	0.00
14q#177781_177784	14	104990677-105013921	23245	MTA1, S55096, CRIP2	0	1	0.00	0.00
3q#46152_46185	3	103150077-103540908	390832	AK090588, BC031261	0	1	0.00	0.00
19q#212033_212037	19	60251694-60280109	28416	RDH13, EPS8L1	0	1	0.00	0.00
19q#212066_212074	19	60476542-60539910	63369	HSPBP1, X54150, BRSK1, BC020862	0	1	0.00	0.00
19q#212082_212083	19	60580158-60588520	8363	MDAC1, AK096870	0	1	0.00	0.00
19q#212039_212044	19	60290228-60318408	28181	EPS8L1, PPP1R12C	0	1	0.00	0.00
3q#50903_50914	3	161612457-161656406	43950	SMC4L1, TRIM59	0	1	0.00	0.00
3q#51151_51160	3	166199114-166275096	75983	SI	0	1	0.00	0.00
3q#51300_51310	3	168672149-168760551	88403	SERPINI2, WDR49	0	1	0.00	0.00
3q#51386_51394	3	169990215-170155571	165357	BC011266, AK096400	0	1	0.00	0.00
3q#51395_51562	3	170174578-171652429	1477852	34, CR606238, LRRRC31, SAMDT, AL833309, TLOC1, GA	0	1	0.00	0.00
3q#51563_51579	3	171661124-171790384	129261	AK094547, SLC7A14, BC039437	0	1	0.00	0.00
3q#51580_51802	3	171803349-174156021	2352673	B209907, AK026825, FNDC3B, AK091236, GHSR, TNFS	0	1	0.00	0.00
19q#212084_212091	19	60591734-60623818	32085	RPL28, UBE2S	0	1	0.00	0.00
16p#186095_186098	16	511780-536260	24481	RAB11FIP3, SOLH	0.692294348	1	0.02	0.02
20p#212508_212600	20	142618-843312	700695	U02019, TRIB3, C20orf18, TBC1D20, CSNK2A1, TCF15	0	1	0.00	0.00
20p#212607_212678	20	904240-1506438	602199	24, SNPH, SDCBP2, BC034773, FKBP1A, NSFL1C, AK	0	1	0.00	0.00
20p#212687_212764	20	1597382-2448690	851309	YN, STK35, BC017340, TGM3, TGM6, SNRPB, AK1267	0	1	0.00	0.00
20p#213053_213055	20	4773001-4796595	23595	SLC23A2	0	1	0.00	0.00
20p#212601_212606	20	851229-897510	46282	RSPO4	0	1	0.00	0.00
14q#170050_170051	14	21559744-21569735	9992	BC063432	0	1	0.00	0.00
14q#170052_170062	14	21575909-21662759	86851	BC063432	0	1	0.00	0.00
16q#191113_191115	16	69714842-69736498	21657	HYDIN	0	1	0.00	0.00
14q#170063_170067	14	21667866-21698077	30212	BC063432	0	1	0.00	0.00
16q#191111_191112	16	69696947-69708666	11720	HYDIN	0	1	0.00	0.00
14q#170068_170095	14	21705879-21936635	230757	BC063432	0	1	0.00	0.00

16q#191085_191086	16	69447152-69454259	7108	BC043273	0	1	0.00	0.00
16q#191087_191110	16	69464949-69685273	220325	AB058767, AL834340, HYDIN	0	1	0.00	0.00
16p#188519_188536	16	27240165-27369366	129202	IL4R, IL21R	1.398928118	1	0.03	0.02
20p#212836_212839	20	2975701-2997597	21897	MRPS26	0	1	0.00	0.00
20p#212856_212862	20	3099593-3133472	33880	BC038860, G36683, C20orf116	0	1	0.00	0.00
20p#212841_212846	20	3007090-3037943	30854	AVP, UBOX5	0	1	0.00	0.00
17q#200471_200475	17	77442683-77503744	61062	THOC4, AF338198, NOTUM	0	1	0.00	0.00
5p#67508_67509	5	873416-878341	4926	ZDHC11	Inf	1	0.02	0.00
11q#144854_144879	11	65994721-66130077	135357	PP3, BBS1, CR616301, ZDHHC24, ACTN3, CTSE, CCD4	1.044194198	1	0.05	0.05
3q#53262_53406	3	191620232-193821611	2201380	IL1RAP, AK095107, OSTN, UTS2D, AK090630, CCDC5	0	1	0.00	0.00
7q#106707_106715	7	150182084-150216921	34838	28129, ACCN3, AK124944, CDK5, SLC4A2, FASTK, C7C	0	1	0.00	0.00
16p#189007_189016	16	31495560-31633184	137625	AK054698, ZNF720	Inf	1	0.02	0.00
16p#186155_186161	16	872155-937272	65118	FLJ12681	1.398928118	1	0.03	0.02
16p#186176_186180	16	1060700-1078650	17951	FLJ32252, C1QTNF8	1.398928118	1	0.03	0.02
16p#186147_186151	16	803011-822181	19171	LOC388199	1.398928118	1	0.03	0.02
16p#186152_186154	16	831335-857267	25933	FLJ12681	1.398928118	1	0.03	0.02
16p#186181_186194	16	1081944-1183719	101776	C1QTNF8, Y11918, CACNA1H	1.398928118	1	0.03	0.02
16q#189623_189667	16	51834361-52217905	383545	CHD9, BX537874, RBL2, FTS, KIAA1005	0	1	0.00	0.00
16q#189716_189718	16	52704833-52719803	14971	AK096554, CR622027	0	1	0.00	0.00
16q#189668_189715	16	52232461-52695029	462569	KIAA1005, AK096554	0	1	0.00	0.00
5q#72904_72986	5	79525024-80281200	756177	C5, SPZ1, ZFYVE16, AL833087, UNQ9217, DP58, DHFR	0	1	0.00	0.00
5q#72866_72902	5	79106885-79511037	404153	CMYA5, MTX3, THBS4, SERINC5	0	1	0.00	0.00
5q#72129_72133	5	70911043-70944957	33915	AB033067, MCCC2	0	1	0.00	0.00
5q#71750_71828	5	64752428-65471368	718941	SG14, PPWD1, TRIM23, FLJ13611, SGTB, NLN, AB033	0	1	0.00	0.00
5q#71739_71749	5	64665620-64745405	79786	ADAMTS6	0	1	0.00	0.00
5q#72109_72128	5	70721505-70899206	177702	AB033067, BDP1	0	1	0.00	0.00
15q#181273_181300	15	54498183-54761967	263785	TEX9, MNS1, BC037892, SUHW4	0	1	0.00	0.00
3p#42091_42119	3	48411179-48578094	166916	VB1, AB007867, CCDC51, CCDC72, TREX1, SCOTIN, F	0	1	0.00	0.00
11p#143121_143126	11	47030491-47077012	46522	C11orf49	0	1	0.00	0.00
4q#59476_59488	4	80337122-80513025	175904	BC036848	0	1	0.00	0.00
15q#180770_180806	15	49104925-49440874	335950	TNFAIP8L3, CYP19A1, AK172756	0	1	0.00	0.00
3p#42085_42090	3	48337766-48399766	62001	FBXW12	0	1	0.00	0.00
1p#9881_9934	1	114526221-114971596	445376	M33, BC063894, BCAS2, DENND2C, AMPD1, NRAS, X0	0	1	0.00	0.00
3p#41767_41792	3	45390091-45620087	229997	LARS2, LIMD1	0	1	0.00	0.00
3p#42054_42084	3	48096965-48330690	233726	C017035, CDC25A, CAMP, ZNF589, BC028160, BC0626	0	1	0.00	0.00
3p#40975_41021	3	37283475-37698171	414697	GOLGA4, AJ493605, C3orf35, ITGA9	0	1	0.00	0.00
3p#40886_40974	3	36126871-37277302	1150432	1552, AB002340, EPM2AIP1, MLH1, LRRFIP2, BC0221	0	1	0.00	0.00
3p#41022_41052	3	37703482-37981204	277723	ITGA9, BC040563, CTDSPL	0	1	0.00	0.00
1p#9935_9998	1	114980865-115906148	925284	1, SIKE, SYCP1, TSHB, TSPAN2, NGFB, AK130715, VA	0	1	0.00	0.00
1p#9878_9880	1	114451275-114504401	53127		0	1	0.00	0.00
3p#41793_41797	3	45636627-45670933	34307	LIMD1	0	1	0.00	0.00
1p#9791_9877	1	113640937-114424961	784025	PN22, AK123199, C1orf178, AP4B1, DCLRE1B, HIPK1,	0	1	0.00	0.00
3p#41798_41837	3	45678701-45989578	310878	K026206, SACM1L, SLC6A20, LZTFL1, AK093705, CCR	0	1	0.00	0.00
3p#41847_41916	3	46135954-46879532	743579	RTP3, LRRC2, TDGF1, AK130758, ALS2CL, TMIE, TSH	0	1	0.00	0.00
1p#9999_10008	1	115912973-116004107	91135	VANGL1, CASQ2	0	1	0.00	0.00
1p#10028_10033	1	116264862-116319770	54909	SLC22A15	0	1	0.00	0.00
3p#40821_40870	3	35142683-35777255	634573	BC035904, ARPP-21	0	1	0.00	0.00
3p#40879_40885	3	35901523-36096065	194543		0	1	0.00	0.00
3p#41838_41846	3	45998019-46099613	101595	FYCO1, XCR1	0	1	0.00	0.00
19p#206951_206968	19	4069876-4187652	117777	MAP2K2, CREB3L3, SIRT6, BC028236, EB1/3	0	1	0.00	0.00
16q#191227_191234	16	70665355-70699740	34386	HPR, TXNL4B, DHX38	0	1	0.00	0.00
16q#191225_191226	16	70653499-70664866	11368	HPR	0	1	0.00	0.00
16q#191019_191041	16	68906213-69092738	186526	B, DDX19-DDX19L, DDX19A, BC008779, ST3GAL2, FUK	0	1	0.00	0.00
16q#191052_191072	16	69185820-69340861	155042	MGC34647, LOC92154, VAC14	0	1	0.00	0.00
16q#190972_190988	16	68390554-68518572	128019	WWP2	0	1	0.00	0.00

16q#191009_191018	16	68838368-68898063	59696	AF126109, AARS, AF353720, DDX19B	0	1	0.00	0.00
16q#191073_191077	16	69350231-69381114	30884	VAC14	0	1	0.00	0.00
16q#190968_190971	16	68358514-68378277	19764	WWP2	0	1	0.00	0.00
16q#190989_190990	16	68522492-68525428	2937	WWP2	0	1	0.00	0.00
14q#174595_174654	14	72232974-72673709	440736	DFF3, WDR21A, ZFYVE1, RBM25, PSEN1	0	1	0.00	0.00
14q#174448_174519	14	70879023-71614035	735013	AK090477, AK094532, SIPA1L1, RGS6	0	1	0.00	0.00
9p#119999_120009	9	17870008-18176806	306799		Inf	1	0.02	0.00
14q#174655_174690	14	72684427-72975789	291363	PSEN1, PAPLN, NUMB	0	1	0.00	0.00
14q#174716_174761	14	73155855-73514439	358585	A1, C14orf43, BC009202, BC013914, ZADH1, ZNF410, C	0	1	0.00	0.00
14q#174801_174808	14	73799086-73840212	41127	CHX10, ABCD4	Inf	1	0.02	0.00
14q#174809_174841	14	73849799-74076393	226595	BC053325, C14orf115, NPC2, HBLD1, LTBP2	0	1	0.00	0.00
9p#120010_120015	9	18233672-18388314	154643		Inf	1	0.02	0.00
9q#125194_125204	9	111778583-111921990	143408	SUSD1	0	1	0.00	0.00
9q#125895_125932	9	120237711-120579434	341724	CDK5RAP2, AB011542, AY358370	0	1	0.00	0.00
14q#169790_169864	14	19976938-20325233	348296	RNASE9, RNASE11, AK093210, OR6S1, RNASE4, BC09	0	1	0.00	0.00
8p#107535_107546	8	493525-613346	119822	AK125470, ERICH1	0	1	0.00	0.00
9q#125933_125946	9	120590784-120693062	102279	AK025767, FBXW2, RSM5, AK096706, BC028086	0	1	0.00	0.00
13q#167111_167120	13	83186445-83356301	169857	SLITRK1	0	1	0.00	0.00
8p#107499_107506	8	63810-202764	138955	BC071667, BC064938, ZNF596	0	1	0.00	0.00
8p#107518_107524	8	330992-391413	60422	FBXO25	0	1	0.00	0.00
11p#139378_139384	11	1576460-1601100	24641	HCCA2	0	1	0.00	0.00
13q#162499_162503	13	24017591-24063195	45605	AL137411	0	1	0.00	0.00
11p#140415_140472	11	10305930-10864618	558689	A1, BC028123, XLKD1, MRV1, SH2BP1, EIF4G2, AK127	0	1	0.00	0.00
11p#140641_140662	11	12865938-13183030	317093	TEAD1, BC015907, AK001432	0	1	0.00	0.00
8p#107508_107517	8	219928-320956	101029	BC037297	0	1	0.00	0.00
8p#107525_107534	8	402943-479868	76926	FBXO25, C8orf42	0	1	0.00	0.00
8p#107547_107658	8	619554-1681703	1062150	ERICH1, BC022082, BC030648, DLGAP2	0	1	0.00	0.00
8p#107675_107678	8	1821170-1856792	35623	ARHGEF10	0	1	0.00	0.00
14q#169865_169884	14	20329407-20490188	160782	RNASE1, RNASE3, BC096059	0	1	0.00	0.00
1p#92_99	1	1549737-1686200	136464	ATAD3A, SSU72, AF161351, CDC2L2	0	1	0.00	0.00
6q#86834_86835	6	72087152-72092462	5311	BC110999	0	1	0.00	0.00
14q#177879_177881	14	105833372-105845717	12346	LOC652848	0	1	0.00	0.00
10p#128040_128063	10	115544-328278	212735	ZMYND11, DIP2C	0	1	0.00	0.00
10p#128074_128076	10	418654-441013	22360	DIP2C	0	1	0.00	0.00
14q#169885_169915	14	20494025-20614165	120141	59, SLC39A2, NDRG2, C14orf8, RNASE13, RNASE7, R	0	1	0.00	0.00
11p#140473_140498	11	10888204-11266946	378743	AK127230, GALNTL4	0	1	0.00	0.00
11p#140542_140584	11	11789258-12241244	451987	USP47, U32331, DKK3, AK127718, MICAL2	0	1	0.00	0.00
10p#128755_128765	10	7624317-7699145	74829	ITIH5	0	1	0.00	0.00
4q#66877_66893	4	185109178-185305981	196804	STOX2	0	1	0.00	0.00
11p#141345_141378	11	20839413-21123699	284287	NELL1	0	1	0.00	0.00
14q#169985_170000	14	21108698-21199274	90577	BC063432	0	1	0.00	0.00
11p#140499_140541	11	11278189-11758852	480664	GALNTL4	0	1	0.00	0.00
11p#141528_141541	11	23998040-24365377	367338		0	1	0.00	0.00
4q#58802_58822	4	73103208-73402059	298852	NPFRR2	Inf	1	0.02	0.00
4q#58866_58873	4	73895641-74119017	223377		0.692294348	1	0.02	0.02
10q#131526_131531	10	47010385-47103905	93521		0	1	0.00	0.00
14q#169916_169932	14	20618499-20722889	104391	FLJ10357, ZNF219, AK056849, BC031469	0	1	0.00	0.00
4q#66934_66958	4	185806014-186052646	246633	CR936814, CASP3, FLJ33167, MLF1IP, ACSL1	0	1	0.00	0.00
11p#141246_141254	11	19782485-19854792	72308	NAV2	0	1	0.00	0.00
14q#169953_169984	14	20922147-21100308	178162	SUPT16H, CHD8, RAB2B, C14orf92, METTL3, SALL2	0	1	0.00	0.00
10p#128423_128466	10	4292954-4824197	531244	AK095699, CR749391	0.692294348	1	0.02	0.02
10p#128678_128714	10	6690313-7167068	476756	AK096400	0	1	0.00	0.00
10p#128745_128754	10	7472675-7605246	132572	SFMBT2	0	1	0.00	0.00
10p#128766_128781	10	7708828-7838023	129196	ITIH5, ITIH2, KIN	0	1	0.00	0.00
10p#129217_129248	10	13801845-14061745	259901	FRMD4A	0	1	0.00	0.00

12p#153455_153487	12	29583681-29835548	251868	TMTC1	0	1	0.00	0.00
12p#153552_153553	12	31162891-31173124	10234	BC039117	0	1	0.00	0.00
10q#131532_131534	10	47125093-47138751	13659	AK057316	0	1	0.00	0.00
11p#141725_141730	11	27257520-27318830	61311	CCDC34	Inf	1	0.02	0.00
14q#169933_169952	14	20743994-20914435	170442	BX537733, HNRPC, RFGRIPI1, BC039089, SUPT16H	0	1	0.00	0.00
11p#141244_141245	11	19763658-19777053	13396	NAV2	0	1	0.00	0.00
11p#141506_141508	11	23232973-23313851	80879		0	1	0.00	0.00
11p#141644_141675	11	26185511-26539720	354210	TMEM16C	0	1	0.00	0.00
4q#58874_58926	4	74142549-74756221	613673	FLJ38991, ANKRD17, ALB, AFP, AFM	0.692294348	1	0.02	0.02
10p#128353_128422	10	3376799-4275317	898519	BC037918, KLF6, AK055803	0.692294348	1	0.02	0.02
19q#209519_209528	19	39305493-39427331	121839	LSM14A	Inf	1	0.02	0.00
12p#153488_153522	12	29844505-30731287	886783	IPO8	0	1	0.00	0.00
12p#153708_153715	12	32863594-32914455	50862	PKP2	0	1	0.00	0.00
11q#144194_144199	11	61399097-61420104	21008	FADS3	0	1	0.00	0.00
19p#208703_208716	19	18916741-19047154	130414	SFRS14, ARMC6, MGC26694	0	1	0.00	0.00
11p#141036_141055	11	17600287-17794756	194470	AK128214, MYOD1, KCNC1, SERGEF	0	1	0.00	0.00
11p#141071_141127	11	17944694-18385271	440578	AY209188, MRGPRX3, BC081538, X51444, SAA4, SAA	0	1	0.00	0.00
11p#141180_141210	11	18929375-19298000	368626	MRGPRX2, ZDHHC13, CSRP3, BC024010, E2F8	0	1	0.00	0.00
11p#141715_141724	11	27079375-27225087	145713	BBOX1	0	1	0.00	0.00
3q#48100_48111	3	127670961-127760714	89754	ZXDC, UROC1, CHST13, C3orf22	0	1	0.00	0.00
3q#48237_48247	3	129105546-129223325	117780	BX537865, KLHDC6	0	1	0.00	0.00
19q#209529_209532	19	39443606-39470310	26705	AB002353	Inf	1	0.02	0.00
19q#209654_209660	19	40522716-40562821	40106	CD22	Inf	1	0.02	0.00
11q#144153_144157	11	61035025-61068724	33700	SYT7	0	1	0.00	0.00
4q#58343_58364	4	66914231-67691841	777611		0	1	0.00	0.00
6p#80800_80811	6	334423-419886	85464	IRF4, U52682	0	1	0.00	0.00
19p#207672_207687	19	10437300-10538321	101022	PDE4A, KEAP1, EDG8, ATG4D, FLJ12949, CDKN2D	0	1	0.00	0.00
19p#207707_207712	19	10669576-10704363	34788	QTRT1, AB209213, DNMT2	0	1	0.00	0.00
11q#144122_144152	11	60853411-61023409	169999	ASC3, TMEM138, MGC13379, BX537888, FLJ12529, FL	0	1	0.00	0.00
22q#223037_223040	22	30536497-30554494	17998	DEPDC5	0	1	0.00	0.00
3q#48092_48099	3	127607583-127665806	58224	CCDC37, ZXDC	0	1	0.00	0.00
3q#48112_48140	3	127769321-128041090	271770	TR2IT1, AF171055, BC042038, CHCHD6	0	1	0.00	0.00
3q#48169_48236	3	128371541-129084385	712845	5846, BX537548, GPR175, AF289568, MCM2, PODXL2,	0	1	0.00	0.00
3q#48248_48296	3	129236862-129682236	445375	A1, AK092163, RUVBL1, EEFSEC, DNAJB8, AK097457,	0	1	0.00	0.00
3q#48311_48336	3	129815355-130048658	233304	AK097792, RPN1, RAB7, BC014200	0	1	0.00	0.00
3q#48407_48431	3	130618106-130774645	156540	3orf25, MBD4, IFT122, BC028353, RHO, H1FOO, PLXNL	0	1	0.00	0.00
19q#210045_210052	19	44012906-44061094	48189	ECH1, AY927476, HNRPL, FLJ45909, SIRI2	Inf	1	0.02	0.00
6p#84408_84463	6	37934330-38433739	499410	TEX27, AK130726, BX537534, BTBD9	0	1	0.00	0.00
4q#64349_64358	4	149120603-149199766	79164	ARHGAP10	0	1	0.00	0.00
4q#65683_65691	4	166941062-167088234	147173	BX648971	0	1	0.00	0.00
11q#144110_144121	11	60719221-60847155	127935	PGA5, VWCE, DDB1	0	1	0.00	0.00
22q#225328_225341	22	49179558-49234379	54822	SBF1, ADM2, MIOX, BC002942	0	1	0.00	0.00
1p#6060_6140	1	63716851-64511276	794426	KIAA1799, PGM1, ROR1, UBE2U	0	1	0.00	0.00
2p#26409_26421	2	91181789-91683893	502105	BX649136, AY010114	0	1	0.00	0.00
3q#48337_48406	3	130064862-130609856	544995	GP9, RAB43, KIAA1160, ZNF9, COPG, C3orf37, H1FX	0	1	0.00	0.00
19p#208197_208241	19	14787533-15086773	299241	A5, OR7C2, SLC1A6, BC028721, CCDC105, CASP14, S	0	1	0.00	0.00
19q#209704_209717	19	40891319-40941243	49925	ILL4, TMEM149, U2AF1L4, PSENIEN, F25965, HSPB6, L	0	1	0.00	0.00
22q#221280_221286	22	14504218-15403653	899436	BC016035	0	1	0.00	0.00
16p#187598_187602	16	15698008-15723844	25837	NDE1	1.398928118	1	0.03	0.02
16p#188961_188976	16	31177962-31307631	129670	ITGAM, ITGAX	Inf	1	0.02	0.00
16p#188979_188991	16	31331166-31396785	65620	ITGAD, AK096248, ARMC5, TGFB11	Inf	1	0.02	0.00
16p#188860_188869	16	30597200-30664605	67406	AK128030, SRCAP, AB002307	0.692294348	1	0.02	0.02
18p#200954_200980	18	3441728-3674577	232850	TGIF, DLGAP1	0	1	0.00	0.00
18p#200888_200893	18	2898141-2950511	52371	EMILIN2, LPIN2	0	1	0.00	0.00
6q#93542_93545	6	163189746-163211454	21709	PACRG	0	1	0.00	0.00

18p#200660_200751	18	364344-1259854	895511	ETN1, CLUL1, C18orf56, TYMS, ENOSF1, YES1, ADCY	0	1	0.00	0.00
18p#200771_200786	18	1477046-1675004	197959	BC040589	0	1	0.00	0.00
18p#200811_200814	18	2027747-2080103	52357		0	1	0.00	0.00
9q#123396_123458	9	90888149-91650134	761986	AF447871, AUH, NFIL3, BC033697, ROR2	0	1	0.00	0.00
9q#123508_123510	9	92120024-92135307	15284	IARS	0	1	0.00	0.00
17p#192915_192919	17	192700-232516	39817	RPH3AL, BC005153	0	1	0.00	0.00
6q#933546_93659	6	163224483-165137632	1913150	PACRG, AK094729, QKI, BC033352, AK093114	0	1	0.00	0.00
6q#93660_93691	6	165161669-165743974	582306	AK090788, C6orf118, PDE10A	0	1	0.00	0.00
16q#192725_192733	16	87455812-87527132	71321	AK126779, CBFA2T3	0	1	0.00	0.00
9q#126964_127047	9	129185217-129969353	784137	9orf50, C9orf32, ASB6, PRRX2, PTGES, TOR1B, TOR1,	0	1	0.00	0.00
17p#193822_193828	17	7544793-7567674	22882	WDR79, EFNB3, AB040936, DNHD3	0	1	0.00	0.00
2q#37083_37087	2	233019265-233057516	38252	MGC42174, AK094293	0	1	0.00	0.00
9q#127521_127536	9	134275161-134517512	242352	AK096407, AK090416, RXRA	0	1	0.00	0.00
17p#192899_192910	17	29169-141711	112543	RPH3AL	0	1	0.00	0.00
17p#193236_193298	17	2822970-3326209	503240	4, OR1D2, OR1G1, OR3A1, AJ459867, OR1E2, SPATA2	0	1	0.00	0.00
16q#192797_192833	16	88067179-88282346	215168	8, AK095954, CPNE7, CR620135, DPEP1, PCOLN3, C16	0	1	0.00	0.00
9q#127048_127182	9	129978052-131272937	1294886	5S, AK057958, CR613887, PRDM12, EXOSC2, ABL1, FI	0	1	0.00	0.00
9q#127553_127628	9	134654499-135364069	709571	8C058547, FCN2, CR749452, FCN1, AK057274, OLFM1,	0	1	0.00	0.00
9q#127647_127683	9	135549380-135739856	190477	96249, KIAA0649, C9orf116, MRPS2, LCN1, PAEP, AK09	0	1	0.00	0.00
8p#108083_108091	8	6608854-6679180	70327	XKR5	0	1	0.00	0.00
17p#194688_194707	17	17528651-17687623	158973	RAI1, SREBF1, AL133641	0	1	0.00	0.00
9q#126931_126963	9	128895140-129179601	284462	8B, DOLPP1, CRAT, PPP2R4, AK123797, C9orf106, AK0	0	1	0.00	0.00
9q#127537_127538	9	134523434-134531880	8447	RXRA	0	1	0.00	0.00
17p#193961_193981	17	8535764-8716218	180455	CCDC42, AK129627, FLJ35773, C17orf38	0	1	0.00	0.00
17p#193991_194000	17	8803100-8897054	93955	AK129627, NTN1	0	1	0.00	0.00
9q#127183_127293	9	131291519-132285603	994085	7842, POMT1, UCK1, RAPGEF1, CRSP8, AY358165, N7	0	1	0.00	0.00
9q#127432_127454	9	133309688-133506185	196498	XO4, ADAMTS13, C9orf7, SLC2A6, AB011177, ADAMTS	0	1	0.00	0.00
9q#127545_127552	9	134567087-134637907	70821		0	1	0.00	0.00
9q#127684_127690	9	135743731-135791721	47991	GLT6D1	0	1	0.00	0.00
9q#127720_127749	9	136041285-136307561	266277	UBADC1, AK129748, BTBD14A	0	1	0.00	0.00
9q#127513_127520	9	134022404-134068217	45814	WDR5	0	1	0.00	0.00
2q#36956_36961	2	231869415-231917035	47621	ARMC9	0	1	0.00	0.00
2q#37038_37082	2	232626909-233010618	383710	MGC42174	0	1	0.00	0.00
17p#194781_194794	17	18474499-18693437	218939	15367, AF041336, BC106034, BC021296, TRIM16L, FBX	0	1	0.00	0.00
9q#127766_127790	9	136529765-136638866	109102	, SNAPC4, SDCCAG3, PMPCA, INPP5E, AK124843, BC	0	1	0.00	0.00
2q#37015_37037	2	232401518-232623348	221831	PTMA, PDE6D, COPS7B, BC008846	0	1	0.00	0.00
2q#37182_37189	2	233789733-233869067	79335	INPP5D	0	1	0.00	0.00
9q#127791_127794	9	136646484-136665640	19157	AB002308, C9orf163, NOTCH1	0	1	0.00	0.00
2q#36963_36969	2	231932667-232000318	67652	ARMC9	0	1	0.00	0.00
9q#127294_127431	9	132291494-133304137	1012644	71, GF1B, GTF3C5, CEL, AK098728, RALGDS, AF0271	0	1	0.00	0.00
9q#127470_127512	9	133634956-134003888	368933	VAV2, BC065204, BRD3	0	1	0.00	0.00
9q#127691_127719	9	135795093-136030059	234967	997774, SOHLH1, KCNT1, CAMSAP1, AF116701, AK130	0	1	0.00	0.00
17p#193983_193990	17	8731647-8791121	59475	PIK3R5, AK129627	0	1	0.00	0.00
17p#194272_194299	17	11782987-12074572	291586	DNAH9, ZNF18, MAP2K4	0	1	0.00	0.00
17p#194027_194083	17	9136513-9680542	544030	STX8, WDR16, AK055188, GLP2R	0	1	0.00	0.00
17p#194211_194217	17	11156554-11220299	63746	FLJ45455	0	1	0.00	0.00
17p#194242_194271	17	11480725-11774533	293809	DNAH9	0	1	0.00	0.00
2q#36451_36467	2	226741014-226908738	167725	BC017935	0	1	0.00	0.00
4p#55812_55881	4	23054002-24470475	1416474	PPARGC1A, DHX15, AK124473	0	1	0.00	0.00
4p#56393_56426	4	35823678-36119167	295490	BC031283, CENTD1, BC037904, AK131492	0	1	0.00	0.00
10p#130788_130830	10	32421748-32915983	494236	AF286905, EPC1, BX537934, CCDC7, C10orf68	0	1	0.00	0.00
9q#127540_127544	9	134547308-134558379	11072	RXRA	0	1	0.00	0.00
9q#127751_127756	9	136318059-136342130	24072	LHX3, QSCN6L1	0	1	0.00	0.00
9q#127763_127765	9	136510745-136526041	15297	GPSM1	0	1	0.00	0.00
10q#138960_138975	10	133689721-133854180	164460	C10orf39, DPYSL4	0	1	0.00	0.00

2q#36970_37014	2	232012699-232396498	383800	GN17, NCL, AK128584, AK096228, MGC43122, NMUR1	0	1	0.00	0.00
17p#194503_194534	17	15493685-15931392	437708	956026, ZNF286, MGC51025, ADORA2B, BC018807, TT	0	1	0.00	0.00
2q#35563_35576	2	216237556-216448820	211265	AK124897	0	1	0.00	0.00
4p#56934_57018	4	41921156-43416627	1495472	SLC30A9, AK092951, CCDC4, ATP8A1	0	1	0.00	0.00
10q#131644_131672	10	49718185-49965766	247582	AK074085, C10orf72	0	1	0.00	0.00
2q#35325_35391	2	213711749-214405980	694232	ZNFN1A2, AK124960, SPAG16	0	1	0.00	0.00
4p#55805_55811	4	22848774-22990045	141272		0	1	0.00	0.00
2q#37326_37347	2	235597106-235919700	322595	SH3BP4	0	1	0.00	0.00
4p#55882_56055	4	24474645-26586046	2111402	PLK2B, AY629351, AK026677, ANAPC4, SLC34A2, AK0	0	1	0.00	0.00
4p#56271_56392	4	32045892-35802156	3756265	AK093205, BC036345, BC031283	0	1	0.00	0.00
10p#130615_130636	10	30315241-30516322	201082	AK001097, BC071601, BX648192	Inf	1	0.02	0.00
10p#130776_130787	10	32297822-32398500	100679	KIF5B	0	1	0.00	0.00
10q#138977_138978	10	133863214-133871063	7850	DPYSL4, STK32C	0	1	0.00	0.00
10q#138987_139028	10	133941778-134277117	335340	C, AK098366, LRRC27, PWWP2, BC039552, C10orf91, I	0	1	0.00	0.00
2q#37295_37325	2	234870386-235577515	707130	ARL4C, AF279775	0	1	0.00	0.00
17p#194207_194210	17	11110232-11144808	34577	FLJ45455	0	1	0.00	0.00
17p#194218_194241	17	11228492-11469938	241447	FLJ45455, AK095052, DNAH9	0	1	0.00	0.00
9q#128034_128039	9	138284700-138397951	113252	CACNA1B, AB209467, AK092558	0	1	0.00	0.00
4p#54006_54016	4	585962-657148	71187	PDE6B, ATP5I	0	1	0.00	0.00
10q#138931_138958	10	133386768-133667024	280257	FLJ46300, PPP2R2D, AB040974, BNIP3, AK091218	0	1	0.00	0.00
10q#139130_139136	10	135080082-135105054	24973	PAOX, MTG1	0	1	0.00	0.00
4p#57019_57027	4	43431892-43625252	193361		0	1	0.00	0.00
4p#57080_57105	4	44300438-44603276	302839	YIPF7, GUF1, BX647242, GNPDA2	0	1	0.00	0.00
9q#127758_127761	9	136346643-136494324	147682	AK127730	0	1	0.00	0.00
10q#138979_138986	10	133883942-133930031	46090	STK32C	0	1	0.00	0.00
10q#139029_139067	10	134292039-134598372	306334	INPP5A, C10orf92, C10orf93	0	1	0.00	0.00
2q#37366_37430	2	236284143-2366835658	551516	CENTG2, CR608907	0	1	0.00	0.00
4p#56056_56270	4	26597485-32020872	5423388	STM2, FLJ45721, AK125145, BC032043, PCDH7	0	1	0.00	0.00
10q#131927_132000	10	53139879-53771922	632044	PRKG1, CR603327, LOC440558, DKK1	0	1	0.00	0.00
2q#37575_37619	2	238610123-238973185	363063	Y, LOC339768, FLJ43374, C2orf19, ILKAP, AK057399, E	0	1	0.00	0.00
2q#37655_37687	2	239347521-239741439	393919	FLJ43879, HDAC4	0	1	0.00	0.00
2q#37915_37948	2	241765559-242045237	279679	PASK, PPP1R7, TMEIM16G, HDLBP, SEPT2, FARP2	0	1	0.00	0.00
2q#37976_37981	2	242430070-242633056	202987	GAL3ST2, AK097934	0	1	0.00	0.00
2q#37689_37690	2	239756897-239762856	5960	HDAC4	0	1	0.00	0.00
2q#37742_37772	2	240267906-240517072	249167	AK056439	0	1	0.00	0.00
10q#137549_137644	10	118036689-118997410	860722	NLIP, PNLIPRP1, PNLIPRP2, C10orf82, BC041412, BX6	0	1	0.00	0.00
10q#137743_137763	10	120072329-120424660	352332	C10orf84, CR607650, AK097728	0	1	0.00	0.00
2q#26648_26717	2	97483194-98387168	903975	R1B, BC039374, ZAP70, AK098482, AK098792, MGC267	0	1	0.00	0.00
6p#85204_85221	6	45363545-45512756	149212	SUPT3H, RUNX2	0	1	0.00	0.00
10q#134964_134984	10	90526686-90703038	176353	ANKRD22, AB037794, STAMBPL1, ACTA2	0	1	0.00	0.00
10p#130560_130614	10	29744953-30298467	553515	BC066966, SVIL, AK001097	0	1	0.00	0.00
10p#130637_130680	10	30558966-31133027	574062	C043271, AK125211, PAPD1, AL122121, MAP3K8, LYZ	0	1	0.00	0.00
10p#130688_130695	10	31228861-31293199	64339	ZNF438	Inf	1	0.02	0.00
9q#127795_127798	9	136672986-136698346	25361	NOTCH1	0	1	0.00	0.00
2q#32677_32821	2	179167520-180683563	1516044	A3, AK129531, TTN, FLJ39502, AL832777, SESTD1, ZN	0	1	0.00	0.00
2q#32822_33079	2	180693280-184586116	3892837	EUROD1, BC042638, SSFA2, CR600208, PDE1A, DNAJ	0	1	0.00	0.00
2q#34744_34810	2	206560148-207262079	701932	S1, EEF1B2, GPR1, BC067833, AK093315, AK002005, A	0	1	0.00	0.00
2q#34962_34988	2	208950137-209267766	317630	PIP5K3, PTHR2	0	1	0.00	0.00
22q#224616_224638	22	42863547-43033690	170144	PARVB, PARVG, BC068280, AB051431	0	1	0.00	0.00
2q#27939_27967	2	115102981-115356933	253953	DPP10	0	1	0.00	0.00
2q#27993_28036	2	115598750-115990466	391717	DPP10	0	1	0.00	0.00
2q#31473_31516	2	166036445-166465507	429063	SN2A2, AK126129, TAIP-2, AK096497, GALNT3, BC0562	0	1	0.00	0.00
2q#31532_31682	2	166597261-168613313	2016053	A, BC029452, SCN9A, SCN7A, AK097519, CMYA3, AK0	0	1	0.00	0.00
2q#31759_31821	2	169462491-170014695	552205	I, AK093444, NOSTRIN, SPBC25, G6PC2, ABCB11, DH	0	1	0.00	0.00
2q#32463_32622	2	176862909-178670922	1808014	CR598849, AL137596, HNRPA3, NFE2L2, BX647407, A	0	1	0.00	0.00

2q#28866_28867	2	128970882-128987110	16229									0	1	0.00	0.00	0.00
10q#131846_131926	10	52430822-53135807	704986											0.00	0.00	0.00
10q#132001_132013	10	53786720-54083408	296689											0.00	0.00	0.00
2q#37431_37569	2	236840449-238551954	1711506											0.00	0.00	0.00
2q#37570_37574	2	238567684-238602765	35082											0.00	0.00	0.00
2q#37773_37793	2	240548660-240704140	155481											0.00	0.00	0.00
2q#37894_37914	2	241577116-241758963	181848											0.00	0.00	0.00
10q#137532_137548	10	117862960-118022746	159787											0.00	0.00	0.00
10q#137645_137692	10	118902112-119328994	426883											0.00	0.00	0.00
10q#138086_138193	10	123712490-124687198	974709											0.00	0.00	0.00
2q#37982_37990	2	242639810-242689920	50111											0.00	0.00	0.00
10q#138875_138929	10	132728172-133357498	629327											0.00	0.00	0.00
10q#134896_134906	10	89696646-89879264	182619											0.00	0.00	0.00
10q#134908_134963	10	89960836-90507399	546564											0.00	0.00	0.00
21q#217900_217901	21	13562263-13582226	19964											0.00	0.00	0.00
1p#9070_9078	1	104731544-105012355	280812											0.00	0.00	0.00
22q#224607_224615	22	42786947-42857528	70582											0.00	0.00	0.00
2q#26636_26647	2	97100064-97480006	379943											0.00	0.00	0.00
6p#82942_82979	6	26265245-26481420	216176											0.00	0.00	0.00
6p#83019_83036	6	26714347-27157099	442753											0.00	0.00	0.00
2q#26514_26530	2	96111009-96224935	113927											0.00	0.00	0.00
2q#26612_26634	2	96925519-97073283	147765											0.00	0.00	0.00
2q#26718_27163	2	98394920-102759437	4364518											0.00	0.00	0.00
2q#27213_27226	2	103814769-104208406	393638											0.00	0.00	0.00
2q#33699_34144	2	193653978-200401586	6747609											0.00	0.00	0.00
4p#57028_57079	4	43648701-44286702	638002											0.00	0.00	0.00
4p#57106_57141	4	44625599-45627785	1002187											0.00	0.00	0.00
2q#33683_33693	2	193020125-193410340	390216											0.00	0.00	0.00
2q#34215_34274	2	201273678-201775093	501416											0.00	0.00	0.00
2q#34811_34904	2	207267361-208406330	1138970											0.00	0.00	0.00
2q#35065_35077	2	210631848-210724974	93127											0.00	0.00	0.00
4q#63297_63302	4	131965530-132137885	172356											0.00	0.00	0.00
4q#63378_63435	4	133848110-135265994	1417885											0.00	0.00	0.00
4q#63446_63479	4	135552714-136213232	660519											0.00	0.00	0.00
2q#29102_29104	2	133285935-133298231	12297											0.00	0.00	0.00
2q#32623_32670	2	178684889-179133670	448782											0.00	0.00	0.00
2q#28868_28874	2	129003725-129142424	138700											0.00	0.00	0.00
2q#28892_28914	2	129686708-130251892	565185											0.00	0.00	0.00
2q#34589_34743	2	204879367-206517274	1637908											0.00	0.00	0.00
4q#63337_63347	4	132983429-133264072	280644											0.00	0.00	0.00
2q#31222_31472	2	16272353-166030072	3257720											0.00	0.00	0.00
2q#31822_31890	2	170021313-170588700	567388											0.00	0.00	0.00
2q#32411_32462	2	176249366-176854391	605026											0.00	0.00	0.00
2q#30966_31029	2	159924747-160498816	574070											0.00	0.00	0.00
10q#138405_138537	10	126949409-128553588	1604180											0.00	0.00	0.00
10q#137693_137742	10	119357979-120058791	700813											0.00	0.00	0.00
10q#137929_138018	10	122230965-123051217	820253											0.00	0.00	0.00
10q#138033_138085	10	123170453-123706614	536162											0.00	0.00	0.00
10q#134559_134565	10	85324227-85521296	197070											0.00	0.00	0.00
10q#137764_137791	10	120435375-120797071	361697											0.00	0.00	0.00
1p#6928_7023	1	74867112-76109675	1242564											0.00	0.00	0.00
21q#217895_217899	21	13334960-13461609	126650											0.00	0.00	0.00
9q#127799_127801	9	136708387-136726498	18112											0.00	0.00	0.00
22q#224106_224130	22	39063669-39249545	185877											0.00	0.00	0.00
1p#6844_6927	1	73620989-74859286	1238298											0.00	0.00	0.00

2q#26422_26427	2	94766131-94918170	152040	AL137712		0	1	0.00	0.00
2q#26429_26513	2	94950317-96093905	1143589	F336882, MRPS5, ZNF514, ZNF2, PROM2, KCNIP3, FA		0	1	0.00	0.00
2q#26531_26534	2	96230917-96252095	21179	DUSP2		0	1	0.00	0.00
2q#26541_26611	2	96304087-96921480	617394	735, KIAA1754L, BRRN1, BC012317, CR599306, ARID3		0	1	0.00	0.00
2q#28875_28891	2	129170624-129660802	490179			0	1	0.00	0.00
2q#29070_29101	2	133004849-133273982	269134	GPR39, LYPD1, AK124659		0	1	0.00	0.00
2q#29356_29371	2	136171662-136271633	99972	R3HDM1		0	1	0.00	0.00
2q#29372_29374	2	136276715-136284893	8179	R3HDM1		0	1	0.00	0.00
2q#30688_30760	2	155832025-157294963	1462939	BC032407, NR4A2, AK128708, GPD2, AK093198		0	1	0.00	0.00
2q#30851_30916	2	158713716-159337539	623824	UPP2, LOC130940, PKP4		0	1	0.00	0.00
2q#30917_30965	2	159348383-159914183	565801	PKP4, AK126351, LOC92196, TANC1		0	1	0.00	0.00
2q#31030_31052	2	160513736-160710402	196667	LY75, U17033, PLA2R1		0	1	0.00	0.00
2q#31053_31160	2	160721383-162188751	1467369	36, BC065192, RBMS1, TANK, PSMD14, TBR1, AK0955		0	1	0.00	0.00
2q#31161_31208	2	162213189-162662016	448828	SLC4A10		0	1	0.00	0.00
2q#31209_31221	2	162667126-162763716	96591	BC051190, DPP4		0	1	0.00	0.00
2q#32383_32386	2	175776319-175804677	28359	ATF2		0	1	0.00	0.00
2q#32409_32410	2	176182248-176213728	31481			0	1	0.00	0.00
2q#33681_33682	2	192937276-192997337	60062			0	1	0.00	0.00
2q#33694_33698	2	193437924-193605841	167918	AF223389		0	1	0.00	0.00
2q#34145_34214	2	200431918-201265382	833465	J38973, FLJ37953, FLJ22555, DNAPTP6, AK021816, KC		0	1	0.00	0.00
4q#63312_63336	4	132494194-132931072	436879			0	1	0.00	0.00
4q#63348_63377	4	133312115-133812905	500791	AF315093		0	1	0.00	0.00
4q#63436_63445	4	135300841-135537774	236934	BX648831		0	1	0.00	0.00
4q#63495_63530	4	136779332-137887505	1108174			0	1	0.00	0.00
6p#82939_82941	6	26249814-26260047	10234			0	1	0.00	0.00
6p#82980_83018	6	26488612-26706335	217724	A3, BTN3A3, BTN2A1, AB209777, AK097539, BTN1A1, A		0	1	0.00	0.00
6p#83109_83118	6	27896040-27933639	37600	HIST1H2AK, BC009783		0	1	0.00	0.00
6p#83129_83131	6	27974914-27988018	13105	OR2B2		0	1	0.00	0.00
6p#83132_83221	6	27988243-28645659	657417	R611340, BC050562, ZNF193, AY781778, ZNF307, C60		0	1	0.00	0.00
6p#83222_83269	6	28650449-29192790	542342	ZNF452, AK056211, RFP, ZNF311, OR2W1, AJ459864		0	1	0.00	0.00
6p#83270_83275	6	29201891-29260804	58914			Inf	1	0.02	0.00
6p#83276_83316	6	29272802-29563507	290706	OR5V1, OR12D3, OR12D2, OR11A1, AJ459854, OR2H1		0	1	0.00	0.00
6p#83318_83353	6	29579371-29818617	239247	051463, GABBR1, MOG, CR606639, HLA-F, AK096962,		0	1	0.00	0.00
6p#84793_84820	6	41897020-42092660	195641	USP49, TRFP, BYSL, CCND3, AK096276		0	1	0.00	0.00
10q#131486_131494	10	45391874-45468474	76601	MARCH8, ANUBL1		0	1	0.00	0.00
10q#138360_138404	10	126518817-126925108	406292	ZRANB1, CTBP2		Inf	1	0.02	0.00
10q#138538_138620	10	128568055-129524858	956804	DOCK1, LOC387720		0	1	0.00	0.00
19p#206443_206468	19	64418-429713	365296	IER2, THEG, BC048290, AL360254, AB001451, C19orf1		0	1	0.00	0.00
21q#217921_217925	21	14320039-14372962	52924	BC070147		0	1	0.00	0.00
22q#224055_224105	22	38679812-39059660	379849	GRAP2, CR604186, BC031099, FAM83F, TNRC6B		0	1	0.00	0.00
1q#16786_16806	1	214271913-214515668	243756	SPATA17, BC040896		1.398928118	1	0.03	0.02
1q#16825_16830	1	214921600-214975832	54233	TGFB2		1.398928118	1	0.03	0.02
1q#16853_16871	1	215552811-215787309	234499	BC086863, LYPLAL1		1.398928118	1	0.03	0.02
1q#16714_16750	1	213332233-213705066	372834	ESRRG, BX647076		1.398928118	1	0.03	0.02
1q#10591_10595	1	146628190-146661829	33640	BC068044, BC071638		Inf	1	0.02	0.00
1q#10572_10573	1	145647143-145716304	69162			Inf	1	0.02	0.00
1q#111740_11767	1	155241559-155440326	198768	AK057554, OR6Y1, SPTA1		Inf	1	0.02	0.00
1q#12107_12119	1	158097918-158173943	76026	SDHC, C1orf192		Inf	1	0.02	0.00
1q#10861_10884	1	148556830-148688615	131786	Z3, TDRKH, BC038201, RORC, THEM5, AK130716, THE		Inf	1	0.02	0.00
1q#10897_10902	1	148810268-148849322	39055	AK125884, S100A11		Inf	1	0.02	0.00
1q#10934_10948	1	149135090-149278604	143515	FLG2, AK056431, CRNN		Inf	1	0.02	0.00
1q#14774_14782	1	191376714-191619546	242833			1.398928118	1	0.03	0.02
1q#14848_14875	1	193186597-193443311	256715	KCNT2, CFH		1.398928118	1	0.03	0.02
1q#14876_14882	1	193470554-193527117	56564	CFHR3, CFHR1		0.686886232	1	0.03	0.05
1q#14921_14989	1	193860493-194475508	615016	ZBTB41, CRB1, FLJ20054, DENND1B		0.686886232	1	0.03	0.05

1q#15042_15098	1	195265179-196008056	742878	Y00062, PTPRC, BC040869, AK125573	0.686886232	1	0.03	0.05
1q#15390_15391	1	199273751-199286518	12768	PPPIR12B	0.686886232	1	0.03	0.05
14q#174026_174036	14	67171153-67231612	60460	ARG2, VT11B, RDH11	0	1	0.00	0.00
14q#173986_174002	14	66893975-67003567	109593	ATP6V1D, EIF2S1, PLEK2, FLJ33387	0	1	0.00	0.00
14q#174013_174025	14	67085576-67164074	78499	PLEKHH1, PIGH, ARG2	0	1	0.00	0.00
14q#174037_174069	14	67241027-67497028	256002	RDH12, AK128496, ZFYVE26, RAD51L1	0	1	0.00	0.00
14q#173709_173730	14	64101801-64310798	208998	C14orf50, PLEKHG3, SPTB	0	1	0.00	0.00
14q#173378_173446	14	60784559-61339241	554683	C050301, PRKCH, BX648502, AK026100, HIF1A, SNAP	0	1	0.00	0.00
14q#173696_173708	14	64026840-64097586	70747	ZBTB25, ZBTB1, HSPA2, C14orf50	0	1	0.00	0.00
14q#173731_173765	14	64319120-64559463	240344	SPTB, AB209415, CHURC1, GPX2, RAB15, FNTB	0	1	0.00	0.00
14q#173936_173965	14	66486719-66728915	242197	GPHN, C14orf54	0	1	0.00	0.00
14q#174003_174012	14	67015346-67077870	62525	FLJ33387, PLEKHH1	0	1	0.00	0.00
14q#169723_169756	14	19535787-19761294	225508	BC020999, OR4K13, OR4L1, OR4K17, OR4N5	0	1	0.00	0.00
14q#173473_173489	14	61670249-62157356	487108	FLJ43390	0	1	0.00	0.00
14q#173525_173576	14	62510603-63007164	496562	KCNH5, RHOJ, GPHB5, PPP2R5E	0	1	0.00	0.00
14q#177883_177885	14	105863067-105881323	18257	LOC652848, AK125079	0	1	0.00	0.00
14q#173766_173814	14	64565120-65000559	435440	FNTB, MAX, BX161428, AJ536056, FUT8	0	1	0.00	0.00
14q#173932_173935	14	66433376-66471613	38238	GPHN	0	1	0.00	0.00
12p#152260_152265	12	14725557-14782997	57441	GUCY2C, AK095308	0	1	0.00	0.00
14q#173815_173850	14	65016155-65386848	370694	FUT8	0	1	0.00	0.00
14q#173879_173931	14	65967832-66421440	453609	MGC88374, GPHN	0	1	0.00	0.00
12p#152214_152222	12	14207027-14414866	207840	ATF7IP	0	1	0.00	0.00
12p#152246_152250	12	14595922-14632852	36931	FLJ22662	0	1	0.00	0.00
14q#170014_170021	14	21298107-21354566	56460	BC063432	0	1	0.00	0.00
12p#152326_152327	12	15277303-15285347	8045		0	1	0.00	0.00
14q#173851_173858	14	65397098-65474796	77699		0	1	0.00	0.00
12p#151728_151815	12	9626736-10249239	622504	CLEC2A, CR625615, FLJ46363, AY547296, CLEC12A, B	0	1	0.00	0.00
3q#49127_49255	3	139133531-140487089	1353559	M62C, AK126672, Cep70, FAIM, BC035432, PIK3CB, A	0	1	0.00	0.00
11q#144275_144296	11	62081604-62175150	93547	TIG, RBM21, MTA2, EML3, ROM1, B3GAT3, GANAB, IN	0	1	0.00	0.00
11q#144311_144312	11	62259438-62264265	4828	TTC9C	0	1	0.00	0.00
3p#45338_45341	3	88037581-88095690	58110		0	1	0.00	0.00
3p#45350_45354	3	88166248-88189022	22775	CGGBP1	0	1	0.00	0.00
15q#185380_185384	15	93236051-93315364	79314		Inf	1	0.02	0.00
15q#185394_185408	15	93584623-93846118	261496	BC040875, AK057337	Inf	1	0.02	0.00
11q#144265_144274	11	62011032-62075732	64701	AHNAK	0	1	0.00	0.00
15q#185409_185422	15	93859581-94304452	444872		Inf	1	0.02	0.00
3p#45336_45337	3	87953230-88000559	47330		0	1	0.00	0.00
3p#45342_45349	3	88105121-88156514	51394	CR606112, HTR1F	0	1	0.00	0.00
3p#45355_45365	3	88192916-88265764	72849	BC005222	0	1	0.00	0.00
15q#180640_180674	15	48035750-48306609	270860	ATP8B4, SLC27A2	0	1	0.00	0.00
3q#49106_49126	3	138432167-139094840	662674	SOX14	0	1	0.00	0.00
3q#45768_45818	3	99106042-99511532	405491	Zp667G2110, MINA, CR749263, OR5AC2, BC104637, O	0	1	0.00	0.00
3q#45821_45882	3	99541366-100057184	515819	7, OR5K4, OR5K3, CLDND1, GPR15, CPOX, ST3GAL6,	0	1	0.00	0.00
3q#46518_46571	3	109589930-110077781	487852	AB023217, KIAA1524, DZIP3, RETNLB, TRAT1	0	1	0.00	0.00
3q#47253_47469	3	118426084-121429317	3003234	C3orf9, C3orf1, CD80, ADPRH, PLA1A, POPDC2, BC026	0	1	0.00	0.00
3q#47912_47917	3	125628798-125680028	51231	KALRN	0	1	0.00	0.00
3q#49101_49104	3	138238578-138328581	90004		0	1	0.00	0.00
11q#144314_144326	11	62276127-62328447	52321	ZBTB3, POLR2G, TAF6L, BC035565, NXF1	Inf	1	0.02	0.00
11q#144364_144367	11	62628384-62657558	29175	MGC34821	0	1	0.00	0.00
11q#144379_144382	11	62802841-62835330	32490	SLC22A10	0.692294348	1	0.02	0.02
3q#47243_47248	3	118173745-118296835	123091		0	1	0.00	0.00
12p#150724_150860	12	216257-1411100	1194844	CR618406, CCDC77, B4GALNT3, NINJ2, WNK1, AB00	0	1	0.00	0.00
15q#185377_185379	15	93166465-93214112	47648		Inf	1	0.02	0.00
15q#185385_185393	15	93342388-93509838	227451		0.692294348	1	0.02	0.02
11q#144418_144420	11	63148801-63168246	19446	AK094227, DKFZP564J0863	Inf	1	0.02	0.00

3p#45366_45376	3	88272106-88386516	114411	ZNF654, BC005222, C3orf38	0	1	0.00	0.00
15q#180675_180683	15	48313395-48362234	48840	SLC27A2, HDC, GABPB2	0	1	0.00	0.00
15q#185423_185430	15	94348247-94499984	151738		Inf	1	0.02	0.00
15q#185504_185508	15	95523160-95574904	51745		Inf	1	0.02	0.00
15q#185536_185544	15	95942810-96056913	114104		Inf	1	0.02	0.00
15q#185600_185605	15	96711592-96759393	47802		Inf	1	0.02	0.00
12q#155019_155034	12	50255129-50403159	148031	SCN8A	0	1	0.00	0.00
19p#208415_208431	19	16625833-16788515	162683	C19orf42, TMEM38A, LOC284434	0	1	0.00	0.00
3q#45819_45820	3	99523908-99534323	10416	BC104637	0	1	0.00	0.00
3q#47021_47079	3	115616641-116182767	566127	ZBTB20	0	1	0.00	0.00
3q#47470_47764	3	121442769-124290029	2847261	PCB1, EAF2, SLC15A2, ILDR1, CD86, CASR, CSTA, CC	0	1	0.00	0.00
3q#47771_47911	3	124340950-125620818	1279869	ADCY5, PTPLB, BC042384, MYLK, AL122079, CCDC14	0	1	0.00	0.00
3q#47918_48031	3	125690879-126740105	1049227	PS, ITGB5, MUC13, AB033063, SLC12A8, CR749632, Z	0	1	0.00	0.00
3q#48485_48982	3	131466826-136830967	5364142	C039375, AK096400, TMEM108, BC040919, BFSP2, AK	0	1	0.00	0.00
19q#209954_209974	19	43263632-43446170	182539	SIPA1L3, DPF1, PPP1R14A	0.692294348	1	0.02	0.02
19q#210011_210030	19	43770011-43908853	138843	J05200, MAP4K1, EIF3S12, ACTN4	Inf	1	0.02	0.00
3q#46572_46987	3	110087055-115295262	5208208	1484, CD200, AK131204, BTLA, ATG3, SLC35A5, CCDC	0	1	0.00	0.00
3q#47240_47242	3	118098131-118149084	50954		0	1	0.00	0.00
3q#47249_47252	3	118314588-118402919	88332		0	1	0.00	0.00
3q#49024_49034	3	137484551-137570717	86167	PCCB, AB209009, STAG1	0	1	0.00	0.00
3q#49097_49100	3	138196499-138229082	32584	FNDC6, AK091255	0	1	0.00	0.00
19q#209735_209737	19	41053050-41062373	9324	APLP1	0	1	0.00	0.00
19q#211491_211505	19	56041853-56125400	83548	KLK3, KLK2, AY533562, KLK4	Inf	1	0.02	0.00
19q#211571_211597	19	56562554-56763828	201275	VD2, NKG7, LIM2, SIGLEC10, SIGLEC8, SIGLEC12, SIG	0	1	0.00	0.00
12p#150705_150723	12	33854-207342	173489	IQSEC3, AB029033, SLC6A12, SLC6A13	0	1	0.00	0.00
15q#185316_185328	15	92325602-92510998	185397		Inf	1	0.02	0.00
15q#185368_185376	15	92918950-93147416	228467	BC043440	0	1	0.00	0.00
14q#170317_170363	14	23624116-23809579	185464	, ISGF3G, REC8L1, IPO4, TM9SF1, TSSK4, CHMP4A, N	0	1	0.00	0.00
15q#180684_180690	15	48367835-48417893	50059	GABPB2	0	1	0.00	0.00
15q#185329_185331	15	92541263-92571903	30641		0	1	0.00	0.00
15q#185338_185367	15	92629025-92890111	261087	AL832717, MCTP2, BC041387, AK026984	0	1	0.00	0.00
15q#185431_185436	15	94516465-94607602	91138	AK021535	Inf	1	0.02	0.00
11q#144205_144216	11	61468039-61597632	129594	VMD2, FTH1	0	1	0.00	0.00
11q#144240_144247	11	61794612-61847263	52652	SCGB2A2, SCGB1D4	0	1	0.00	0.00
11q#144250_144251	11	61896049-61915209	19161	ASRGL1	0	1	0.00	0.00
3q#46988_47020	3	115308528-115604941	296414	DRD3, AK092902, ZNF80, VSIG9, AK022228, ZBTB20	0	1	0.00	0.00
3q#47080_47137	3	116187931-116891132	703202	ZBTB20, AF279774, GAP43	0	1	0.00	0.00
3q#47138_47170	3	116896828-117233069	336242	GAP43, BC041405, LSAMP	0	1	0.00	0.00
3q#47171_47239	3	117241951-118070129	828179	LSAMP, BC035185	0	1	0.00	0.00
3q#47765_47770	3	124298092-124333237	35146	PDIA5	0	1	0.00	0.00
3q#48983_49023	3	136853762-137465933	612172	PPP2R3A, MSL2L1, PCCB	0	1	0.00	0.00
3q#49035_49096	3	137579268-138180646	601379	STAG1, TMEM22, NCK1, FNDC6	0	1	0.00	0.00
6p#82354_82384	6	18385254-18792872	407619	IBRDC2, AK098665	0	1	0.00	0.00
12q#154524_154537	12	46503395-46641873	138479	VDR, AK056442	0	1	0.00	0.00
12q#158528_158733	12	94360285-97256008	2895724	4H, AF338190, ELK3, PCTK2, AK056076, AK091789, B	0	1	0.00	0.00
15q#185332_185337	15	92584063-92620775	36713	AL832717	0	1	0.00	0.00
19q#211258_211290	19	54209944-54496661	286718	00117, KCNA7, SNRP70, LIN7B, PPFIA3, HRC, TRPM4	0	1	0.00	0.00
19q#211489_211490	19	56029047-56033455	4409		Inf	1	0.02	0.00
16q#189233_189244	16	46132111-46239948	107838	PHKB	Inf	1	0.02	0.00
16q#189226_189232	16	46068125-46125708	57584	PHKB	Inf	1	0.02	0.00
16q#189415_189417	16	48586267-48612561	26295		0	1	0.00	0.00
16q#189448_189461	16	48864783-48970819	106037	AK093706, ADCY7, BRD7, AF289584	0	1	0.00	0.00
5q#77160_77166	5	138752138-138780945	28808	PACAP, AK098740, DNAJC18	0	1	0.00	0.00
5q#77167_77189	5	138788669-138996789	208121	DNAJC18, LOC340061, UBE2D2	0	1	0.00	0.00
1p#10038_10075	1	116374169-116919301	545133	C1orf161, ATP1A1, BC028281, CD58, IGSF3	0	1	0.00	0.00

1p#10076_10121	1	116925150-117390391	465242	1orf137, CD2, PTGFRN, IGSF2, AK124329, TTF2, TRIM4	0	1	0.00	0.00
1p#10122_10130	1	117402260-117470052	67793	VTCN1	0	1	0.00	0.00
19q#210530_210532	19	48381811-48400825	19015	PSG5, M38046, PSG4	Inf	1	0.02	0.00
16p#189090_189093	16	34263350-34297520	34171	AK128166	1.398928118	1	0.03	0.02
14q#177142_177159	14	100085777-100250308	164532	KIAA1446, C14orf70	0	1	0.00	0.00
14q#177119_177140	14	99879507-100069057	189551	WARS, WDR25	0	1	0.00	0.00
14q#177160_177198	14	100257868-100472402	214535	DLK1, AK126659, AB032607, AF422192	0	1	0.00	0.00
14q#177199_177250	14	100480598-101114477	633880	J41170, AK021542, AK094562, AK057240, AF469206, D	0	1	0.00	0.00
14q#177520_177537	14	103222227-103320907	98681	KNS2, XRCC3, ZFYVE21, PPP1R13B	0	1	0.00	0.00
14q#177052_177065	14	99428831-99533270	104440	EML1, BC023997	0	1	0.00	0.00
14q#177251_177413	14	101127502-102433516	1306015	R20, U46194, RAGE, AK093342, C14orf131, BX248279, C	0	1	0.00	0.00
14q#177430_177519	14	102544610-103213534	668925	TNFAIP2, CR620068, BC032902, EIF5, MARK3, CKB, C	0	1	0.00	0.00
14q#177538_177565	14	103333523-103550856	217334	PPP1R13B, AK057986, C14orf2, U56244, TDRD9	0	1	0.00	0.00
14q#176971_177012	14	98604494-99036942	432449	BCL11B, SETD3, CCNK	0	1	0.00	0.00
14q#177021_177051	14	99150808-99421698	270891	Q39687, KIAA1822, AB058725, AK095603, CYP46A1, E1	0	1	0.00	0.00
14q#176967_176969	14	98538483-98560362	21880		0	1	0.00	0.00
14q#177414_177429	14	102442060-102539885	97826	TRAF3, AF110908, AMN, CDC42BPB	0	1	0.00	0.00
14q#177566_177570	14	103558271-103600866	42596	TDRD9	0	1	0.00	0.00
14q#177013_177020	14	99047524-99132809	85286	CCNK, AK123840	0	1	0.00	0.00
14q#173677_173690	14	63876518-63995983	119466	MTHFD1	0	1	0.00	0.00
11q#146397_146400	11	82844021-82850716	6696	DLG2	1.398928118	1	0.03	0.02
11q#146401_146418	11	82855505-82988220	132716	DLG2	0.692294348	1	0.02	0.02
11q#146677_146681	11	85677059-85716379	39321	C11orf73	0.692294348	1	0.02	0.02
17p#195022_195024	17	21406072-21442522	36451	BX640850	0	1	0.00	0.00
11q#146395_146396	11	82826585-82839364	12780		1.398928118	1	0.03	0.02
12p#152311_152320	12	15143226-15223993	80768	REG	0	1	0.00	0.00
3q#445522_445531	3	95021157-95131401	110245	PROS1	0	1	0.00	0.00
15q#184359_184369	15	82381679-82480725	99047	ADAMTSL3	0	1	0.00	0.00
15q#184538_184569	15	84288123-84977184	689062	FLJ32310	0	1	0.00	0.00
3q#49461_49568	3	142835198-143913926	1078729	AF282269, ATP1B3, TFD2, BC013993, MGC40579, XR	0	1	0.00	0.00
3q#49600_49670	3	144218445-144970972	752528	BC111692, BC028110, CHST2, SLC9A9	0	1	0.00	0.00
11q#144634_144675	11	64589723-64851892	262170	M7SF2, FAU, MRPL49, SYVN1, CAPN1, FLJ16331, POL	0	1	0.00	0.00
12p#151478_151493	12	7016662-7176499	159838	AK055183, C1S, C1R, C1RL, AL833364, RBP5, CLSTN3	0	1	0.00	0.00
15q#184586_184600	15	85322757-85761182	438426		0	1	0.00	0.00
11q#144443_144446	11	63366145-63387442	21298	MARK2	Inf	1	0.02	0.00
15q#184204_184238	15	81093020-81377594	284575	CPEB1, BX649159, AP3B2, FSD2, HOMER2	0	1	0.00	0.00
15q#184370_184371	15	82497944-82513526	15583	ADAMTSL3	0	1	0.00	0.00
15q#184386_184463	15	82916803-83467313	550511	CAND2, WDR73, NMB, AL109690, SEC11L1, ZNF592, A	0	1	0.00	0.00
15q#184523_184537	15	84066322-84247039	180718	AKAP13, KLHL25	0	1	0.00	0.00
15q#184570_184585	15	85001258-85304043	302786		0	1	0.00	0.00
15q#184601_184615	15	85805039-86015153	210115	TMEM83	0	1	0.00	0.00
3q#49671_49738	3	144981480-146386756	1405277	SLC9A9, C3orf58, AF132204	0	1	0.00	0.00
19q#212286_212337	19	62410639-62739344	328706	363, ZNF543, ZNF304, ZNF547, AX721128, ZNF548, ZM	1.398928118	1	0.03	0.02
12q#155848_155899	12	56122669-56396514	273846	MARS, DDIT3, MBD6, DCTN2, KIF5A, PIP5K2C, AK0964	0	1	0.00	0.00
3q#46144_46148	3	103054278-103078192	23915	NFKBIZ	0	1	0.00	0.00
3q#46187_46195	3	103575729-103636617	60889	BC031261, ZPLD1	0	1	0.00	0.00
3q#49569_49599	3	143925286-144206681	281396	PC1, PCOLCE2, AK096143, AK093381, PAQR9, BC062	0	1	0.00	0.00
15q#184464_184522	15	83478799-84060191	581393	PDE8A, AKAP13	0	1	0.00	0.00
7p#96589_96625	7	28370826-28625872	255047	CREB5	0.692294348	1	0.02	0.02
3q#46025_46035	3	101830195-101915715	85521	GPR128, TFG	0	1	0.00	0.00
3q#50732_50746	3	159798549-159914280	115732	MLF1, GFM1, RARRES1	0	1	0.00	0.00
15q#185235_185237	15	91293415-91311594	18180	CHD2	Inf	1	0.02	0.00
19q#212338_212339	19	62745071-62749682	4612	AX721128	0.692294348	1	0.02	0.02
3p#39410_39415	3	15516815-15573032	56218	COLQ	0	1	0.00	0.00
19q#211333_211342	19	54763176-54828271	65096	NOSIP, PRRG2, AB033031	0	1	0.00	0.00

1p#1545_1546	1	16672053-16680476	8424	NBPF1	Inf	1	0.02	0.00
3p#39702_39722	3	18943768-19270390	326623	KCNH8	0	1	0.00	0.00
3q#50747_50814	3	159922714-160777949	855236	RARRS1, AY070437, MFSD1, AK096479, SCHIP1	0	1	0.00	0.00
12q#155578_155653	12	54335278-54775772	440495	MDL2, DNAJC14, AK095340, MMP19, WIBG, DGKA, SIL	0	1	0.00	0.00
12q#155900_155914	12	56401561-56450051	48491	JTG1, TSPAN31, CDK4, MARCH9, AK093897, CYP27B1	0	1	0.00	0.00
9q#122456_122461	9	77027151-77071107	43957	VPS13A	0	1	0.00	0.00
9q#122977_122995	9	85231150-85463770	232621	AGTPBP1	0	1	0.00	0.00
13q#164158_164216	13	40770243-41273900	503658	NARG1L, RGC32, KIAA0564	0	1	0.00	0.00
13q#164217_164291	13	41283309-41906771	623463	KIAA0564, AK092199, DGKH, BC044822, AKAP11	0	1	0.00	0.00
13q#164905_164906	13	48367780-48394322	26543		0	1	0.00	0.00
13q#162079_162084	13	19380708-19442241	61534	ZNF198	0	1	0.00	0.00
13q#164907_164958	13	48412126-48826945	414820	FNDC3A, MLNR, CDADC1, CAB39L	0	1	0.00	0.00
13q#162045_162062	13	19120561-19246169	125609	HSMPP8, BC014184, PSPC1	0	1	0.00	0.00
13q#162085_162113	13	19451776-19672104	220329	ZNF198, GJB2, AF091526	0	1	0.00	0.00
13q#162949_163012	13	28057635-28793650	736016	C13orf12, LOC283537, KIAA0774	0	1	0.00	0.00
13q#162070_162078	13	19295454-19357586	62133	BX647750, AF161535, ZMYM5, BC024195	0	1	0.00	0.00
13q#164292_164383	13	41945936-42849701	903766	C040889, TNFSF11, FLJ40919, EPST11, DNAJC15, FIG	0	1	0.00	0.00
13q#161958_161967	13	18065953-18369449	303497		0	1	0.00	0.00
13q#162935_162948	13	27905902-28039191	133290	FLT1	0	1	0.00	0.00
13q#162063_162069	13	19254966-19283520	28555	PSPC1	0	1	0.00	0.00
13q#162114_162136	13	19676847-19911860	235014	GJB6, CRYL1	0	1	0.00	0.00
13q#163013_163020	13	28799288-2886757	87470	KIAA0774	0	1	0.00	0.00
13q#163021_163044	13	28894641-29064841	170201	KIAA0774, SLC7A1	0	1	0.00	0.00
10q#133234_133254	10	70674219-70840924	166706	HKDC1, HK1, TACR2	0	1	0.00	0.00
10q#133465_133469	10	72861374-72902647	41274	CDH23	0	1	0.00	0.00
11p#139293_139305	11	928872-1038845	109974	AP2A2, M22406	0	1	0.00	0.00
13q#162137_162179	13	19918941-20273116	354176	IL1, IFT88, AK090862, IL17D, AK055408, LOC221143, X	0	1	0.00	0.00
11p#139185_139219	11	274838-476165	201328	ATHL1, IFITM1, IFITM3, B4GALNT4, PKP3, SIGIRR, T	0	1	0.00	0.00
11p#139234_139266	11	562229-760281	198053	CDHL, BC007626, DRD4, DEAF1, TMEM80, EPS8L2, TA	0	1	0.00	0.00
10q#133282_133305	10	71103722-71388664	284943	COL13A1	0	1	0.00	0.00
10q#133451_133464	10	72746972-72854258	107287	SLC29A3, CDH23	0	1	0.00	0.00
11p#139228_139233	11	535874-557037	21164	LRRC56, C11orf35, RASSF7, AK123483	0	1	0.00	0.00
11p#139267_139292	11	764309-921704	157396	RDD, RPLP2, PNPLA2, BC011958, EFCAB4A, CD151, P	0	1	0.00	0.00
10q#133470_133472	10	72912045-72924981	12937	CDH23	0	1	0.00	0.00
10q#132809_132811	10	66018580-66081833	63254		Inf	1	0.02	0.00
10q#132861_132920	10	67328387-67881616	553230	CTNNA3	0	1	0.00	0.00
10q#132935_132977	10	68041271-68417373	376103	CTNNA3	0	1	0.00	0.00
10q#133255_133281	10	70845261-71081116	235856	TACR2, TSPAN15, NEUROG3, C10orf35	0	1	0.00	0.00
10q#133439_133450	10	72644150-72739137	94988	UNC5B	0	1	0.00	0.00
10q#133473_133502	10	72937043-73190278	253236	CDH23	0	1	0.00	0.00
11p#143386_143389	11	51244499-51286661	42163		0	1	0.00	0.00
10q#133306_133375	10	71397498-71920711	523214	PPA1, NPFFR1, LRRC20, BC015007, EIF4EBP2, CR627	0	1	0.00	0.00
10q#133384_133438	10	71997861-72633325	635465	274, PRF1, ADAMTS14, C10orf27, SGPL1, AB033078, F	0	1	0.00	0.00
10q#132679_132785	10	63939241-65370808	1431568	C10orf22, EGR2, NRBF2, JMJD1C, AK027280, BC00786	Inf	1	0.02	0.00
10q#132796_132808	10	65642337-66005024	362688		Inf	1	0.02	0.00
10q#132921_132934	10	67894066-68029500	135435	CTNNA3	0	1	0.00	0.00
10q#133376_133383	10	71936360-71992754	56395	KIAA1274	0	1	0.00	0.00
10q#133503_133510	10	73199695-73255655	55961	CDH23, PSAP	0	1	0.00	0.00
11q#143554_143571	11	55950697-56066561	115865	OR5M11	0	1	0.00	0.00
10q#132786_132795	10	65410165-65608139	197975		0	1	0.00	0.00
11p#143390_143396	11	51292202-51381967	89766		0	1	0.00	0.00
4q#60109_60133	4	88031294-88240224	208931	PTPN13, SLC10A6, MGC26744, AK057662, BC017432	0	1	0.00	0.00
4q#60205_60286	4	88922949-89757705	834757	MEPE, SPP1, PKD2, ABCG2, AB209400, PPM1K, BCG	0	1	0.00	0.00
4q#60294_60312	4	89809020-89979502	170483	HERC3	0	1	0.00	0.00
4q#60495_60500	4	92078857-92110875	32019	AB051467	0	1	0.00	0.00

10q#132406_132523	10	60701876-61979385	1277510	AM13C1, SLC16A9, AB019391, CCDC6, ANK3, BX5379	Inf	1	0.02	0.00
10q#132578_132678	10	62642846-63927392	1284547	41470, C10orf107, ARID5B, AK096671, PLEKHK1, BX64	Inf	1	0.02	0.00
10q#134281_134298	10	81630974-81787510	156537	BC071736, SFTPD	Inf	1	0.02	0.00
11q#143543_143553	11	55885185-55942325	57141	OR8J1	0	1	0.00	0.00
4q#61317_61332	4	102323463-102466387	142925	PPP3CA	0	1	0.00	0.00
4q#61350_61390	4	102634256-103180579	546324	AK091523, BANK1	0	1	0.00	0.00
4q#61430_61553	4	103669672-105398168	1728497	UBE2D3, LOC493856, LOC150159, BC009732, LOC133	0	1	0.00	0.00
11q#143532_143542	11	55800603-55881177	80575	OR5T1, OR8K3	0	1	0.00	0.00
4q#59856_59924	4	85032178-86011706	979529	BC005018, AK095285, NKX6-1, CDS1, WDFY3	0	1	0.00	0.00
4q#60008_60044	4	87061056-87398573	337518	ARHGAP24, MAPK10	0	1	0.00	0.00
4q#60501_60535	4	92116214-92386868	270655	AB051467	0	1	0.00	0.00
4q#60543_60547	4	92452160-92503064	50905	AB051467	0	1	0.00	0.00
4q#60890_60909	4	96466926-96637434	170509	UNC5C	0	1	0.00	0.00
10q#132324_132405	10	59654044-60693834	1039791	UBE2D1, TFAM, AY726586, BX538102, AK055418, PH	Inf	1	0.02	0.00
10q#132524_132577	10	61999343-62626875	627533	BX537917, CDC2, RHOTB1	Inf	1	0.02	0.00
4q#60287_60293	4	89765317-89804640	39324	HERC5	0	1	0.00	0.00
4q#60313_60361	4	89985677-90442893	457217	HERC3, AK126217, FAM13A1, AK091881, TIGD2	0	1	0.00	0.00
1p#9037_9044	1	103810269-103875831	65563	AMY2B, BC007060, AMY2A	0	1	0.00	0.00
10q#134279_134280	10	80943483-81263444	319962	BC070048, BC026229	Inf	1	0.02	0.00
10q#134299_134335	10	81799086-82092217	293132	1673, C10orf57, PLAC9, ANXA11, BC048265, MAT1A, D	Inf	1	0.02	0.00
15q#179191_179289	15	34274708-35597138	1322431	AK096400, AK026504, C15orf41, AK023254, MEIS2	0	1	0.00	0.00
15q#179362_179517	15	36618279-38249587	1631309	FLJ39531, THBS1, FSIP1, GPR176, BC042903, EIF2AK	0	1	0.00	0.00
4q#61391_61429	4	103190452-103649205	458754	BANK1, SLC39A8	0	1	0.00	0.00
4q#61554_61567	4	105431082-105745094	314013		0	1	0.00	0.00
4q#61648_61656	4	106781392-106868214	86823	FLJ20184	0	1	0.00	0.00
4q#61694_61739	4	107188410-107640842	452433	9NT, AK125988, AF161420, MGC16169, AK074305, SCY	0	1	0.00	0.00
10q#132217_132323	10	56800167-59644614	2844448	AK126923, ZWINT, IPMK	0	1	0.00	0.00
15q#179317_179361	15	36140050-36605816	465767	BC037952, SPRED1, FAM98B, RASGRP1	0	1	0.00	0.00
15q#179518_179529	15	38255750-38356917	101168	BUB1B, AB208782, PAK6	0	1	0.00	0.00
4q#61568_61647	4	105752861-106769839	1016979	AK127778, AK094561, FLJ20032, AB075496, BC11051	0	1	0.00	0.00
4q#61657_61693	4	106873481-107180602	307122	FLJ20184, AK129951, INTS12, GSTCD, NPNT	0	1	0.00	0.00
11q#143397_143404	11	54789837-54877939	88103	TRIM48, OR4A16	0	1	0.00	0.00
15q#179530_179531	15	38367388-38375138	7751	PLCB2	0	1	0.00	0.00
10q#134379_134403	10	82575793-83445414	869622		0	1	0.00	0.00
11q#143446_143449	11	55252451-55280149	27699		0	1	0.00	0.00
1p#6195_6258	1	65206228-65779192	572965	AK3L1, BC051722, DNAJC6, LEPR	0	1	0.00	0.00
11q#143441_143445	11	55200744-55238259	37516		0	1	0.00	0.00
2q#29029_29032	2	132124672-132166607	41936	CCDC74A	0	1	0.00	0.00
2q#29033_29037	2	132178507-132248171	69665	BC036114	0	1	0.00	0.00
5q#70690_70701	5	50268244-50679952	411709		0	1	0.00	0.00
5q#70702_70708	5	50692692-50725758	33067	CR936786, CR604031, BC031213, ISL1	0	1	0.00	0.00
15q#182976_183003	15	69823246-70000444	177199	THSD4, BC041421, NR2E3, MYO9A	0	1	0.00	0.00
5q#70709_70714	5	50733706-50813616	79911		0	1	0.00	0.00
5q#70659_70678	5	49774457-50089296	314840	PARP8	0	1	0.00	0.00
5q#70648_70658	5	49595677-49764985	169309	EMB	0	1	0.00	0.00
15q#183026_183030	15	70194283-70216622	22340	MYO9A, SENP8	Inf	1	0.02	0.00
15q#183004_183011	15	70005074-70074726	69653	MYO9A	Inf	1	0.02	0.00
15q#181895_181906	15	60437049-60639453	202405	BX647086	0	1	0.00	0.00
15q#182852_182922	15	68781292-69405260	623969	A, LARP6, AK123672, THAP10, LRRRC49, AK131551, TH	0	1	0.00	0.00
15q#182974_182975	15	69808153-69817044	8892	THSD4	0	1	0.00	0.00
5q#78435_78442	5	151257251-151333741	76491	GLRA1, AK001582	0	1	0.00	0.00
15q#182046_182104	15	61859583-62233447	373865	HERC1, DAPK2, FAM96A, SNX1, SNX22	0	1	0.00	0.00
15q#182698_182747	15	66961657-67340452	378796	BC017035, NOX5, AK074071, AK097560, GLCE	0	1	0.00	0.00
15q#182849_182851	15	68763606-68774473	10868	UACA	0	1	0.00	0.00
15q#181537_181628	15	56912641-57637328	724688	163B, SLTM, RNF111, CCNB2, AK023404, MYO1E, FAM	0	1	0.00	0.00

1p#10152_10184	1	11777733-118205568	427836	MAN1A2, FAM46C, GDAP2, WDR3	0	1	0.00	0.00
16p#189017_189030	16	31642657-31782341	139685	ZNF720, CR611323	Inf	1	0.02	0.00
16p#188713_188795	16	29581455-30240082	658628	BOLA2, AK123224	Inf	1	0.02	0.00
1q#15246_15253	1	198002552-198064410	61859	PKP1, TNNI2	0.692294348	1	0.02	0.02
1q#16751_16785	1	213726453-214259688	533236	GPATC2, SPATA17	1.398928118	1	0.03	0.02
1q#16831_16852	1	214987849-215523361	535513	TGFB2	1.398928118	1	0.03	0.02
1q#16872_16884	1	215798868-216129659	330792		1.398928118	1	0.03	0.02
1q#10600_10614	1	146679306-146765273	85968	A1, BC034038, SV2A, SF3B4, MTMR11, BC015719, ZAN	Inf	1	0.02	0.00
1q#10615_10617	1	146772938-146787043	14106	ZA20D1	Inf	1	0.02	0.00
1q#10958_10961	1	149352010-149365944	13935	LCE3E, LCE3D	Inf	1	0.02	0.00
1q#11055_11087	1	149948489-150175768	227280	5, LELP1, LOR, PGLYRP3, PGLYRP4, S100A9, S100A1	Inf	1	0.02	0.00
1q#15109_15111	1	196252180-196347503	95324		0.686886232	1	0.03	0.05
1q#15220_15229	1	197747619-197829639	82021	CACNA1S	0.692294348	1	0.02	0.02
1q#15329_15330	1	198710905-198717889	6985	ELF3, AK129946	0.686886232	1	0.03	0.05
1q#15394_15395	1	199316962-199322569	5608	SYT2	0.686886232	1	0.03	0.05
1q#16062_16158	1	206131117-207029493	898377	NS2, HSD11B1, TRAF3IP3, C1orf74, IRF6, C1orf107, SY	1.044194198	1	0.05	0.05
14q#177827_177844	14	105369044-105481977	112934	LOC652848	0	1	0.00	0.00
14q#177634_177641	14	104040166-104093061	52896		0	1	0.00	0.00
14q#177650_177695	14	104138901-104388629	249729	111, C14orf151, C14orf173, LOC388022, ADSSL1, SIVA	0	1	0.00	0.00
14q#177696_177702	14	104395858-104435987	40130	AY094612, KIAA0284	0	1	0.00	0.00
14q#177735_177754	14	104643105-104766482	123378	JAG2, NUDT14, BRF1	0	1	0.00	0.00
14q#177642_177649	14	104097482-104131496	34015	LOC400258, FLJ42486	0	1	0.00	0.00
14q#177703_177734	14	104441762-104622115	180354	BC090889, BC004283, C14orf79, CDCA4, BC068024, G	0	1	0.00	0.00
20p#213301_213348	20	8298179-8732975	434797	PLCB1	Inf	1	0.02	0.00
14q#177796_177798	14	105063476-105071753	8278	S55096, TMEM121	0	1	0.00	0.00
20p#213209_213217	20	6662243-6731878	69636	BMP2	0	1	0.00	0.00
20p#213419_213424	20	9408444-9444133	35690	PLCB4, AK096264, C20orf103	0	1	0.00	0.00
3p#38519_38545	3	6123241-6682284	559044	AF279782	0	1	0.00	0.00
3p#38644_38684	3	7666445-8416454	750010	GRM7, AK124857, BC020876	0	1	0.00	0.00
3p#38685_38712	3	8424815-8724559	299745	5, LMCD1, LOH3CR2A, BC052614, C3orf32, AK122938,	Inf	1	0.02	0.00
3p#38732_38763	3	8912644-9214045	301402	RAD18, SRGAP3	Inf	1	0.02	0.00
11q#144691_144696	11	64957546-65003942	46397	AF001893	0	1	0.00	0.00
3p#38764_38855	3	9222139-9928629	706491	C3orf29, CPNE9, BRPF1, OGG1, CAMK1, TADA3L, AF	Inf	1	0.02	0.00
3p#38862_38870	3	9965247-10016563	51317	PRRT3, AF230335, TMEM111	Inf	1	0.02	0.00
19q#212075_212081	19	60544297-60575439	31143	SUV420H2, COX6B2, AK128284, IL11	0	1	0.00	0.00
3q#51311_51336	3	168770684-168998408	22725	WDR49, AK097556, PDCD10, SERPIN1	0	1	0.00	0.00
3q#51373_51385	3	169652127-169954285	302159		0	1	0.00	0.00
1q#11675_11739	1	154643174-155227930	584757	D1D, AK097921, CR603267, CD1A, CD1C, AK130822, C	Inf	1	0.02	0.00
1q#13159_13185	1	169864853-170180842	315990	TNFSF4, AK127238, LOC646870, PRDX6	1.398928118	1	0.03	0.02
1q#10596_10598	1	146665747-146672032	6286	HIST2H2BE, HIST2H2AC	Inf	1	0.02	0.00
1q#11548_11566	1	153440271-153552895	112625	S, CRABP2, ISG20L2, C1orf66, MRPL24, HDGF, AL833,	Inf	1	0.02	0.00
1q#12134_12147	1	158296040-158361069	65030	FCGR2A, CR624955, HSPA6, FCGR3A	0.692294348	1	0.02	0.02
1q#13186_13212	1	170188979-170467117	278139	PRDX6, SLC9A11, ANKRD45, KLHL20	1.398928118	1	0.03	0.02
1q#13216_13242	1	170504248-170747909	243662	RS2, AK025846, ZBTB37, AK057310, SERPINC1, AF13	1.398928118	1	0.03	0.02
1q#15373_15374	1	199065829-199078547	12719	PPP1R12B	1.398928118	1	0.03	0.02
1q#10584_10586	1	146473741-146512493	38753	X14355	Inf	1	0.02	0.00
1q#12198_12288	1	158758691-159682044	923354	SH2D1B, UHMK1, AL137257, UAP1, DDR2, BX537651,	Inf	1	0.02	0.00
1q#12127_12131	1	158265365-158283883	18519		Inf	1	0.02	0.00
1q#12175_12184	1	158536985-158613821	76837	ATF6	Inf	1	0.02	0.00
1q#11634_11658	1	154305018-154510191	205174	FCRL5, FCRL4, FCRL3	Inf	1	0.02	0.00
1q#12120_12126	1	158179915-158255612	75698		Inf	1	0.02	0.00
1q#10695_10702	1	147389938-147434384	44447	AK057901, ENSA, GOLPH3L	Inf	1	0.02	0.00
1q#10769_10834	1	147914814-148351691	436878	VPS72, PIP5K1A, PSMD4, BC021024, ZNF687, PIK4CE	Inf	1	0.02	0.00
1q#10850_10852	1	148491343-148497930	6588	TNRC4	Inf	1	0.02	0.00
1q#10885_10896	1	148696302-148803005	106704	S100A10, AK125884	Inf	1	0.02	0.00

1q#10999_11054	1	149579637-149941414	361778	L, BC042056, SPRR4, SPRR1A, SPRR3, SPRR1B, SPR	Inf	1	0.02	0.00
1q#11088_11098	1	150181314-150254394	73081	S100A7L1, S100A7	Inf	1	0.02	0.00
1q#14990_15041	1	194477521-195255068	777548	C1orf53, LHX9, CR614163, NEK7, Y00062, ATP6V1G3	0.686886232	1	0.03	0.05
1q#15099_15108	1	196017788-196213747	195960	AK125573	0.686886232	1	0.03	0.05
1q#15304_15328	1	198522687-198702513	179827	K074740, AK055940, TMEM58, LMOD1, AF017307, TIM	0.686886232	1	0.03	0.05
20p#212493_212507	20	69521-138124	68604	DEFB126, DEFB127	0	1	0.00	0.00
20p#212765_212835	20	2462613-2974088	511476	DH3B, AB037863, CPXM, C20orf141, AK126033, FAM17	0	1	0.00	0.00
20p#212863_212867	20	3136670-3160736	24067	ITPA, SLC4A11	0	1	0.00	0.00
20p#213056_213089	20	4803281-5060148	256868	SLC23A2, C20orf30, PCNA, CDS2	0	1	0.00	0.00
20p#212896_212972	20	3439552-3957484	517933	27, C20orf28, CENPB, CDC25B, C20orf29, VISA, AB097	0	1	0.00	0.00
20p#212973_212978	20	3966679-4023385	56707		Inf	1	0.02	0.00
20p#212979_213052	20	4034990-4761038	726049	C027448, SMOX, ADRA1D, PRNP, PRND, PRNT, RASS,	0	1	0.00	0.00
5p#69008_69009	5	21979223-21991730	12508	CDH12	0	1	0.00	0.00
20p#214719_214722	20	25611616-25651972	40357	ZNF337	0	1	0.00	0.00
3q#53407_53476	3	193835108-194670363	835256	FGF12, C3orf59, HRASLS, ATP13A5, ATP13A4	0	1	0.00	0.00
11q#144847_144853	11	65956865-65990484	33620	MRPL11, AK127603	1.044194198	1	0.05	0.05
16q#190221_190225	16	58392569-58479153	86585	CR936694	0	1	0.00	0.00
16q#190272_190328	16	59663590-60530783	867194	CDH8	0	1	0.00	0.00
16q#190487_190507	16	64114330-64837446	723117	BC037902	0	1	0.00	0.00
16q#191129_191136	16	69863736-69930018	66283	FLJ11171	0	1	0.00	0.00
16q#191537_191553	16	74227210-74408062	180853	KARS, TERF2IP	0	1	0.00	0.00
16q#190329_190420	16	60541544-63018370	2476827	CDH8, BC043241	0	1	0.00	0.00
16q#190448_190486	16	63603539-64102946	499408	CDH11, AL110259, BC037902	0	1	0.00	0.00
16q#190508_190532	16	64901436-65140732	239297	CDH5, AK056683, AK056142, AK130753, TK2	0	1	0.00	0.00
16q#191555_191698	16	74477438-76565554	2088117	VAP4, AK057218, AK129939, MON1B, AB020679, ADAM	0	1	0.00	0.00
16q#190421_190447	16	63036395-63592637	556243	CDH11	0	1	0.00	0.00
16q#190533_190536	16	65147751-65161437	13687	CKLF	0	1	0.00	0.00
16q#191707_191752	16	76630181-77029529	399349	BC050287, WWOX	0	1	0.00	0.00
16q#191807_191874	16	77528165-78677348	1149184	WWOX, AF447709, MAF	0	1	0.00	0.00
16q#190690_190712	16	66141212-66284676	143465	CTCF, RLTPR, ACD, PARD6A, C16orf48, GFOD2	0	1	0.00	0.00
16q#190780_190786	16	66723762-66774644	50883	NFATC3	0	1	0.00	0.00
16q#191491_191515	16	73911267-74088953	177687	CFDP1, BX648429, LOC124491, CHST6	0	1	0.00	0.00
16q#191522_191536	16	74141966-74222671	80706	016401, GABARAPL2, BX648197, ADAT1, CR604139, K	0	1	0.00	0.00
16q#190713_190746	16	66296521-66503597	207077	P10, TSNAXIP1, C16orf56, AK056097, THAP11, NUTF2,	0	1	0.00	0.00
16q#190757_190779	16	66556716-66713693	156978	SLC12A4, DPEP3, DPEP2, DDX28, DUS2L, NFATC3	0	1	0.00	0.00
16q#190862_190903	16	67471974-67792445	320472	AB051533, FLJ12331, HAS3, CTF8, CIRH1A, SNTB2	0	1	0.00	0.00
16q#190922_190949	16	67940622-68204967	264346	TMED6, TERF2, CYB5B, NFAT5	0	1	0.00	0.00
6q#88759_88764	6	101520023-101714510	194488		0	1	0.00	0.00
16q#190537_190584	16	65165548-65503983	338436	CMTM3, CMTM4, DYNC1L12, AK093213, APPBP1, CA7	0	1	0.00	0.00
16q#190611_190615	16	65692096-65717456	25361	CBFB, AF249898, C16orf70	0	1	0.00	0.00
16q#190626_190628	16	65763006-65770320	7315	AF249898, NOL3, LOC283849	0	1	0.00	0.00
16q#190635_190689	16	65804365-66137099	332735	C9A5, AF249898, PLEKHG4, LRRC36, ZDHC1, HSD11	0	1	0.00	0.00
16q#190787_190823	16	66783194-67107679	324486	C3, RBM35B, LYPLA3, SLC7A6, SLC7A6OS, PRMT7, S	0	1	0.00	0.00
6q#88693_88712	6	100576299-101016738	440440	SIM1	0	1	0.00	0.00
16q#190904_190921	16	67803423-67934303	130881	SNTB2, BC035134, VPS4A, COG8, NIP7	0	1	0.00	0.00
6q#88390_88406	6	95699269-96269446	570178	MANEA	0	1	0.00	0.00
16q#190629_190634	16	65774437-65799656	25220	LOC283849, E2F4, ELMO3, LRRC29	0	1	0.00	0.00
18p#201087_201161	18	5006264-5911659	905396	2726, ZFP161, BC057282, EPB41L3, BC008377, AF301,	0	1	0.00	0.00
9q#123588_123589	9	92844559-92860020	15462	FGD3	0	1	0.00	0.00
16q#190585_190610	16	65509766-65680999	171234	DH16, RRAD, FAM96B, CES2, FLJ21736, FLJ37464, CB,	0	1	0.00	0.00
16q#190616_190617	16	65726391-65731988	5598	C16orf70	0	1	0.00	0.00
16q#190619_190622	16	65739934-65749962	10029	MGC4655, TRADD	0	1	0.00	0.00
16q#190824_190861	16	67123982-67461905	337924	BC040871, ZFP90, CDH3, CDH1, BC092500, AB051533	0	1	0.00	0.00
11q#147552_147708	11	98213465-99975423	1761959	CNTN5	Inf	1	0.02	0.00
6q#88486_88497	6	97479298-97584983	105686	KIAA1900	0	1	0.00	0.00

6q#88680_88692	6	100400517-100563979	163463	MCHR2	0	1	0.00	0.00
18p#200627_200639	18	4316-200044	195729	USP14	0	1	0.00	0.00
6q#88370_88375	6	95106503-95277310	170808		0	1	0.00	0.00
6q#88407_88485	6	96320082-97473938	1153857	FUT9, KIAA0776, FHL5, AK055697, GPR63, C6orf66	0	1	0.00	0.00
16q#190623_190624	16	65753392-65755597	2206	FBXL8	0	1	0.00	0.00
16q#190747_190756	16	66510298-66546713	36416	PSKH1, CTRL, PSMB10, AK126271, LCAT, SLC12A4	0	1	0.00	0.00
11q#147709_147759	11	100016591-100505944	489354	AK057372, TMEM133, PGR	0	1	0.00	0.00
9q#123590_123593	9	92867389-92893026	25638	FGD3	0	1	0.00	0.00
6q#88270_88277	6	92605728-92837055	231328		0	1	0.00	0.00
6q#88282_88327	6	92996555-94102702	1106148	EPHA7	0	1	0.00	0.00
6q#88364_88366	6	94905860-94973612	67753		0	1	0.00	0.00
6q#88498_88509	6	97596159-97695360	99202	KIAA1900, BC031830	0	1	0.00	0.00
6q#88675_88679	6	100201833-100367708	165876		0	1	0.00	0.00
11q#147535_147551	11	97814938-98206424	391487		Inf	1	0.02	0.00
11q#147913_147929	11	102235374-102382698	147325	MMP12, MMP13	0	1	0.00	0.00
16q#192503_192537	16	85147185-85572680	425496	AK055241, BC100027	0	1	0.00	0.00
11q#147760_147792	11	100515298-101068601	553304	TRPC6, BC039334	0	1	0.00	0.00
9q#124696_124782	9	105673828-107034734	1360907	99487, BC017988, AK093363, AK023447, ZNF462, AK09	0	1	0.00	0.00
6q#87638_87665	6	83824225-84020180	195956	C6orf157, DOPEY1, AB029040, PGM3, RWDD2, ME1	0	1	0.00	0.00
9q#124512_124529	9	103233304-103609315	376012		0	1	0.00	0.00
6q#88367_88369	6	94995434-95078818	83385		0	1	0.00	0.00
11q#147930_147978	11	102419590-102935089	515500	DCUN1D5, AK125524, AB231766	0	1	0.00	0.00
11q#147533_147534	11	97733839-97766171	32333		Inf	1	0.02	0.00
16q#192413_192496	16	84257792-85111606	853815	OX4NB, COX4I1, IRF8, CR627169, BC043214, AL13756	0	1	0.00	0.00
18p#201282_201387	18	7428812-8517901	1089090	PTPRM	0	1	0.00	0.00
9q#124693_124695	9	105607055-105626404	19350	TMEM38B	0	1	0.00	0.00
9q#124783_124816	9	107053895-107628488	574594	RAD23B, KLF4	0	1	0.00	0.00
9q#124922_124938	9	109157581-109313956	156376	EPB41L4B, PTPN3, BC063287	0	1	0.00	0.00
9q#125418_125437	9	113836480-113988614	152135	ZNF618, AMBP, KIF12	0	1	0.00	0.00
9q#125472_125477	9	114207289-114250032	42744	AKNA, DFNB31	0	1	0.00	0.00
6q#87460_87473	6	80762168-80883414	121247	TTK, BCKDHB	0	1	0.00	0.00
6q#87628_87637	6	83729138-83810991	81854	C6orf157	0	1	0.00	0.00
6q#87740_87755	6	84809548-84951705	142158	C6orf117, KIAA1009	0	1	0.00	0.00
17p#192943_192967	17	444378-621148	176771	VPS53, FAM57A, GEMIN4, C17orf25	0	1	0.00	0.00
11q#147979_148036	11	102959643-103988649	1029007	PDGFD	0	1	0.00	0.00
18p#201388_201412	18	8526769-8754921	228153	RAB12, BC050338, AB018345, KIAA0802	0	1	0.00	0.00
11q#146898_146916	11	88472802-88657981	185180	TYR	0	1	0.00	0.00
11q#146930_146960	11	88808544-89457557	649014	NOX4, AK057189, PSMAL, AB037682	0	1	0.00	0.00
11q#149660_149685	11	122986991-123194099	207109	AK127457, AB033027, SCN3B, AF027218, ZNF202	0	1	0.00	0.00
11q#149694_149901	11	123294750-124879730	1584981	SIG2, ESAM, C11orf61, AK098396, ROBO3, ROBO4, F	0	1	0.00	0.00
6q#87571_87594	6	82600147-83026888	426742	IBTK	Inf	1	0.02	0.00
9q#125401_125417	9	113656993-113825012	168020	ZNF618	0	1	0.00	0.00
9q#125478_125522	9	114259458-114734712	475255	DFNB31, ATP6V1G1, C9orf91, TNFSF15	0	1	0.00	0.00
9p#121643_121645	9	38511130-38526886	15757		0	1	0.00	0.00
6q#91444_91468	6	137102625-137294892	192268	MAP3K5, PEX7, SLC35D3	0	1	0.00	0.00
6q#91731_91732	6	141396470-141430584	34115		0	1	0.00	0.00
6q#91740_91757	6	141688765-142043473	354709	AK097143	0	1	0.00	0.00
9q#124939_125061	9	109320127-110420352	1100226	ALM2, PALM2-AKAP2, C9orf152, TXN, TXNDC8, BX5379	0	1	0.00	0.00
9q#125438_125471	9	114005199-114197726	192528	COL27A1, AB058773, ORM1, ORM2, AKNA	0	1	0.00	0.00
9p#121646_121648	9	38526930-38589957	63028	FLJ35740, AB095935	0	1	0.00	0.00
11q#149645_149659	11	122799073-122972449	173377	AK127457	0	1	0.00	0.00
11q#149686_149693	11	123220822-123283958	63137	PMP22CD	0	1	0.00	0.00
11q#149902_149925	11	124893389-125104507	211119	E124, STT3A, CHEK1, BC004202, ACRV1	0	1	0.00	0.00
11q#149964_150087	11	125446929-126879633	1432705	DXRED1, TIRAP, AK094409, DCPS, CR602684, ST3GAL	0	1	0.00	0.00
11q#150096_150115	11	127232635-127764601	531967		0	1	0.00	0.00

1p#3238_3278	1	33658705-33999138	340434	CSMD2	0	1	0.00	0.00
15q#178276_178311	15	23847648-24457653	610006	AK124933, GABRB3	0	1	0.00	0.00
15q#178361_178363	15	24941620-24953836	12217	GABRG3	0	1	0.00	0.00
19p#209009_209018	19	22490056-22599321	109266	AK126236, CR936832	0	1	0.00	0.00
4q#66282_66319	4	174905068-175571615	666548	CR600749, AK125257, FBXO8	0	1	0.00	0.00
21q#218916_218922	21	27963614-28108369	144756		0	1	0.00	0.00
4q#58584_58732	4	70904027-72217649	1313623	APIN, C4orf7, CSN3, NYD-SP26, SMR3A, SMR3B, PRO	0	1	0.00	0.00
10p#130887_130890	10	33531230-33556203	24974	NRP1	0	1	0.00	0.00
10p#130898_130904	10	33617566-33679212	61647	NRP1	0	1	0.00	0.00
10p#130945_130958	10	34579905-34686061	106157	PARD3	0	1	0.00	0.00
10p#131229_131230	10	38563575-38585934	22360		0	1	0.00	0.00
10q#139075_139080	10	134741155-134790009	48855	GPR123	0	1	0.00	0.00
4p#54757_54800	4	7769904-8115520	345617	SORCS2, BC043614, AFAP, LOC389199, ABLIM2	0	1	0.00	0.00
4q#66320_66390	4	175583879-176725959	1142081	K094961, AK125844, HPGD, BC036406, GLRA3, AK093	0	1	0.00	0.00
4q#66542_66566	4	178876197-179246357	370161	AK094945, BC033326	0	1	0.00	0.00
4q#66576_66596	4	179514681-180269190	754510		0	1	0.00	0.00
21q#218908_218915	21	27768587-27938615	170029		0	1	0.00	0.00
1p#124_125	1	1904291-1911004	6714		0	1	0.00	0.00
12p#153569_153575	12	31404682-31470564	65883	MGC24039	0	1	0.00	0.00
4q#67280_67315	4	189341572-189703993	362422	FLJ25801, FLJ36180, AY494056	0	1	0.00	0.00
21q#218126_218131	21	16605727-16645262	39536	C21orf34	0	1	0.00	0.00
21q#218166_218188	21	16860894-17047504	186611	C21orf34	0	1	0.00	0.00
21q#218232_218279	21	17817111-18341215	524105	XADR, AF336886, BTG3, AY063452, C21orf91, AK0226	0	1	0.00	0.00
21q#218282_218291	21	18372035-18499234	127200	AK022689	0	1	0.00	0.00
21q#218307_218309	21	18609307-18637785	28479	PRSS7	0	1	0.00	0.00
4q#57890_57898	4	57471239-57527663	56425	SPINK2	0	1	0.00	0.00
19q#209351_209380	19	37170627-37666995	496369	AK097493, ZNF507, BC000922, MGC35440, DPY19L3	0	1	0.00	0.00
19q#209411_209424	19	38035435-38174433	138999	SLC7A9, FLJ14640, C19orf40, RHPN2	0	1	0.00	0.00
1p#4635_4644	1	47563897-47613806	49910	FOXE3, FOXD2	0	1	0.00	0.00
15q#178110_178120	15	21740427-22021233	280807		0	1	0.00	0.00
15q#178133_178150	15	22374850-22614725	239876	AK058147, C15orf2	0	1	0.00	0.00
1p#3226_3237	1	33528636-33649716	121081	AJ242730, ZNF31, CSMD2	0	1	0.00	0.00
1p#3334_3337	1	34875631-34906167	30537	BX648912, GJB4	0	1	0.00	0.00
1p#4645_4665	1	47621058-48007485	386428		0	1	0.00	0.00
15q#178025_178049	15	20425129-20610514	185386	TUBGCP5, CYFIP1, NIP2, NIP1	0	1	0.00	0.00
15q#178131_178132	15	22346355-22364369	18015	AK058147	0	1	0.00	0.00
15q#178312_178360	15	24467898-24931036	463139	GABRB3, CR749803, GABRA5, AK124673, GABRG3	0	1	0.00	0.00
1p#3279_3317	1	34009464-34394172	384709	CSMD2, AK123355, C1orf94	0	1	0.00	0.00
10q#139139_139166	10	135131930-135395607	263678	BC038300, AK160367, CYP2E1, AB209700, SYCE1	0	1	0.00	0.00
2p#20781_20784	2	20338755-20346520	7766	SDC1	0	1	0.00	0.00
4q#57904_57910	4	57603539-57639770	36232	REST, U22680	0	1	0.00	0.00
4q#57920_57924	4	57701747-57738393	36647	POLR2B, IGFBP7	0	1	0.00	0.00
4q#57931_58003	4	57814772-59965481	2150710	IGFBP7, BC039519, BC034799	0	1	0.00	0.00
4q#58190_58202	4	63642272-64076032	433761		0	1	0.00	0.00
4q#66033_66085	4	171726433-173150347	1423915	AY956762, BC042565, GALNT17	0	1	0.00	0.00
4q#66104_66160	4	173295502-173804286	508785	GALNT17	0	1	0.00	0.00
4p#54880_54882	4	9107707-9234638	126932		0	1	0.00	0.00
4q#66230_66281	4	174469609-174895851	426243	091103, SAP30, SCRG1, BC067829, AF130075, HAND2,	0	1	0.00	0.00
19p#208996_209008	19	22329014-22483137	154124	ZNF676	0	1	0.00	0.00
22q#222660_222663	22	28007664-28023043	15380	EWSR1	0	1	0.00	0.00
22q#222679_222683	22	28145771-28170449	24679	RFPL1	Inf	1	0.02	0.00
1p#113_117	1	1844929-1869881	24953	GNB1	0	1	0.00	0.00
1p#126_136	1	1919108-2003046	83939	AB051538, AK127388, AK054708, GABRD	0	1	0.00	0.00
1p#3657_3691	1	38145426-38919064	773639	BC059172, UTP11L	0	1	0.00	0.00
4q#66391_66473	4	176754691-177629037	874347	GPM6A, WDR17, SPATA4, ASB5, SPCS3	0	1	0.00	0.00

4q#66502_66541	4	178144791-178865538	720748	NEIL3, AGA, AK094945	0	1	0.00	0.00
4q#66567_66575	4	179255668-179469978	214311	BC033326	0	1	0.00	0.00
21q#218280_218281	21	18351870-18361974	10105	AK022689	0	1	0.00	0.00
21q#218310_218338	21	18647832-18985609	337778	PRSS7, BC051441	0	1	0.00	0.00
21q#218419_218485	21	20876593-21524056	647464	AK094858, NCAM2	0	1	0.00	0.00
19p#207288_207327	19	7003997-7463997	460001	095524, AK127494, X02160, INSR, ARHGEF18, PEX110	0	1	0.00	0.00
1p#3470_3542	1	36216123-36939628	723506	APPC3, RPRC1, THRAP3, C1orf113, STK40, LSM10, C1	0	1	0.00	0.00
1p#4666_4714	1	48034431-48666042	631612	AF111848, SLC5A9, BC020660, SPATA6	0	1	0.00	0.00
1p#4716_4753	1	48731315-49072672	341358	AK094826, AGL4	0	1	0.00	0.00
15q#178100_178109	15	21505552-21724104	218553		0	1	0.00	0.00
1p#3318_3333	1	34427924-34868799	440876	BX648912	0	1	0.00	0.00
15q#178021_178024	15	20393586-20418384	24799	TUBGCP5	0	1	0.00	0.00
6p#84163_84264	6	35817576-36661005	843430	209586, MAPK13, BC042825, BRPF3, PNPLA1, DKFZp7	0	1	0.00	0.00
10p#130905_130944	10	33691663-34568058	876396	BC042457, AF196785, PARD3	0	1	0.00	0.00
10p#131094_131137	10	35898136-36878566	980431	C10orf9, CX40.1, FZD8	0	1	0.00	0.00
19q#209341_209347	19	36863686-37067681	203996		0	1	0.00	0.00
19q#209425_209426	19	38182485-38192921	10437	RHPN2	0	1	0.00	0.00
10q#139081_139086	10	134799742-134844829	45088	GPR123	0	1	0.00	0.00
2p#20778_20780	2	20323589-20334351	10763	SDC1	0	1	0.00	0.00
2q#27242_27243	2	104568720-104588889	20170	AK126958	0	1	0.00	0.00
19p#206564_206587	19	986349-1155581	169233	VN2, AK024373, ABCA7, HA-1, POLR2E, GPX4, KIAA09	0	1	0.00	0.00
1p#105_112	1	1768182-1839343	71162	GNB1	0	1	0.00	0.00
22q#222629_222659	22	27786043-28007405	221363	KREMEN1, AK056425, EMID1, RHBDD3, EWSR1	0	1	0.00	0.00
22q#222664_222667	22	28028105-28039945	11841	GAS2L1, RRP22	0	1	0.00	0.00
22q#222684_222710	22	28173669-28325129	151461	0652, NEFH, AF203032, AB023200, THOC5, NIPSNAP1	Inf	1	0.02	0.00
4q#58014_58189	4	60283937-63589901	3305965	AF307080, FLJ43706, LPHN3	0	1	0.00	0.00
4q#62354_62389	4	116091857-116382620	290764	NDST4	0	1	0.00	0.00
21q#219638_219666	21	34215799-34465285	249487	CR626360, FLJ46020, MRPS6	0	1	0.00	0.00
21q#219797_219834	21	35601761-36085431	483671	AK123035	0	1	0.00	0.00
1p#137_158	1	2010066-2187782	177717	PRKCZ, C1orf86, AK127994, AK126870	0	1	0.00	0.00
4q#66161_66195	4	173814860-174109447	294588	GALNT17	0	1	0.00	0.00
4q#66213_66229	4	174278383-174464381	185999	GALNT17, BC040577	0	1	0.00	0.00
4q#66597_66612	4	180293013-180787163	494151		0	1	0.00	0.00
4q#66631_66650	4	181455363-181892216	436854		0	1	0.00	0.00
21q#218903_218907	21	27701619-27749406	47788	BC043580	0	1	0.00	0.00
21q#220572_220573	21	42202439-42210693	8255	C21orf25	0	1	0.00	0.00
1p#3692_3738	1	38942747-39324539	381793	RRAGC, MYCBP, GJA10, RHBDL2, C1orf108, NDUFS	0	1	0.00	0.00
1p#3752_3772	1	39457339-39666333	208995	MACF1, BMP8A, AK092606	0	1	0.00	0.00
1p#4468_4483	1	46002174-46154252	152079	MAST2	0	1	0.00	0.00
1p#4496_4590	1	46293216-47105027	811812	JQCRH, NSUN4, FAAH, DMBX1, AK097731, FLJ32011,	0	1	0.00	0.00
4q#66613_66630	4	180815864-181380303	564440		0	1	0.00	0.00
4q#67365_67389	4	190424364-190833965	409602		0	1	0.00	0.00
21q#217997_218038	21	14984653-15537025	552373	AK055805, NRIP1	0	1	0.00	0.00
21q#218339_218418	21	18993605-20849570	1855966	BC051441	0	1	0.00	0.00
21q#218486_218493	21	21529726-21580622	50897	NCAM2	0	1	0.00	0.00
21q#220574_220654	21	42219751-42705036	485286	BC061917, C21orf121, UMODL1, ABCG1, TFF3, TFF2	0	1	0.00	0.00
21q#220670_220707	21	42802147-43074533	272387	SLC37A1, CR592664, PDE9A	0	1	0.00	0.00
19p#207243_207252	19	6554970-6670997	116028	AK026704, TNFSF14, C3	0	1	0.00	0.00
19p#207328_207332	19	7469579-7492206	22628	FLJ35784, ZNF358	0	1	0.00	0.00
1p#3543_3656	1	36956634-38142283	1185650	RSPO1, C1orf109, CDCA8, EPHA10, MANEAL, YRDC,	0	1	0.00	0.00
1p#4754_4768	1	49085388-49243320	157933	AGBL4, AK094826	0	1	0.00	0.00
15q#178060_178064	15	20811896-21219501	407606	AK093104, AF041081	0	1	0.00	0.00
1p#3338_3374	1	34914214-35289615	375402	OC113444, AK091069, AF131778, BC042172, ZMYM6,	0	1	0.00	0.00
1p#3424_3457	1	35764037-36085157	321121	84, AF297866, CLSPN, EIF2C4, AB046787, AK001622,	0	1	0.00	0.00
15q#178069_178099	15	21258545-21498365	239821	MKRN3, BC070293, MAGEL2, NDN	0	1	0.00	0.00

1p#3375_3423	1	35308870-35756307	447438	SFPQ, ZMYM4, KIAA0319L, NCDN, TFAP2E, AB20947	0	1	0.00	0.00
19p#206528_206563	19	786616-982276	195661	2, CFD, THRAP5, C19orf22, KISS1R, ARID3A, WDR18,	0	1	0.00	0.00
10p#131231_131240	10	38596435-39018864	422430	LOC158160, BC042387	0	1	0.00	0.00
1p#159_171	1	2194298-2307471	113174	SKI, MORN1	0	1	0.00	0.00
2p#26389_26391	2	89445743-89460039	14297	BC073775, AB095273	0	1	0.00	0.00
2q#27234_27241	2	104475949-104558221	82273	AK126958	0	1	0.00	0.00
4q#57911_57919	4	57647982-57693486	45505	C4orf14, POLR2B	0	1	0.00	0.00
4q#58203_58338	4	64104074-66798524	2694451	SRD5A2L2, BC040544, EPHA5, BC017721	0	1	0.00	0.00
6p#83606_83631	6	31649450-31747538	98089	JCR3, BC050408, AIF1, BAT2, BAT3, APOM, C6orf47, B,	0	1	0.00	0.00
6p#84139_84162	6	35634903-35811736	176834	FKBP5, BC042605, AK093304	0	1	0.00	0.00
10p#131090_131093	10	35858912-35891056	32145	C10orf9	0	1	0.00	0.00
2q#333501_33513	2	190867290-190942982	75693	MGC13057, HIBCH	0	1	0.00	0.00
4q#65319_65344	4	162064206-162719069	654864	FSTL5	0	1	0.00	0.00
4q#65577_65620	4	165918431-166282096	363666	BC062791, AK095255, AK092578, AL833881, TRIM61	0	1	0.00	0.00
4q#65724_65735	4	167462698-167775745	313048		0	1	0.00	0.00
4q#65749_65811	4	167984881-168725523	740643	AF315099, SPOCK3	0	1	0.00	0.00
2q#27878_27924	2	114146068-114974882	828815	SLC35F5, ACTR3, CR601322, DPP10	0	1	0.00	0.00
4q#62333_62340	4	115624254-115861373	237120		0	1	0.00	0.00
4q#62390_62391	4	116392235-116399572	7338	NDST4	0	1	0.00	0.00
21q#219608_219637	21	33990479-34211195	220717	ITSN1, ATP50	0	1	0.00	0.00
19p#207605_207611	19	9969495-10008215	38721	COL5A3, RDH8	0	1	0.00	0.00
21q#220536_220571	21	41948134-42198101	249968	C21orf129, RIPK4, PRDM15, C21orf25	0	1	0.00	0.00
21q#217993_217996	21	14934471-14976434	41964	AK055805	0	1	0.00	0.00
19p#207220_207242	19	6399335-6545172	145838	SLC25A23, CRB3, DENND1C, TUBB4, TNFSF9, TNFSF,	0	1	0.00	0.00
19p#207253_207280	19	6680080-6899883	219804	TRIP10, SH2D3A, VAV1, EMR1	0	1	0.00	0.00
10q#134511_134556	10	84508316-85211382	703067	NRG3, AK056904	0	1	0.00	0.00
15q#178065_178068	15	21236096-21250853	14758	FLJ36144	0	1	0.00	0.00
19p#206498_206527	19	607814-781639	173826	K024373, FSTL3, PRSSL1, PALM, C19orf21, PTBP1, P,	0	1	0.00	0.00
22q#222834_222844	22	29148174-29203902	55729	MTP18, AK131358, SEC14L3	0	1	0.00	0.00
22q#223322_223329	22	33578994-33685089	106096	BX537993	0	1	0.00	0.00
22q#223050_223068	22	30622233-30766225	143993	DEPDC5, AL050256, YWHAH, SLC5A1	0	1	0.00	0.00
22q#223104_223108	22	31073968-31097886	23919	RFPL3, BC031635, BC041349	0	1	0.00	0.00
1p#4851_4865	1	50260353-50400297	139945	CR95508, ELAVL4	0	1	0.00	0.00
1p#4866_4901	1	50444082-50854673	410592	CR611648, FAF1	0	1	0.00	0.00
1p#5269_5281	1	54296202-54376675	80474	CDCP2, AK122760, LOC606495	0	1	0.00	0.00
1p#5325_5351	1	54862563-55067899	205337	C1orf175, TTC4, PARS2, TTC22, C1orf177, DHCR24	0	1	0.00	0.00
1p#5352_5364	1	55074546-55196521	121976	TMEM61, BSND	0	1	0.00	0.00
1p#5365_5389	1	55208436-55399936	191501	PCSK9, AB028980, AL832370, AK127075	0	1	0.00	0.00
1p#5390_5476	1	55409181-56933616	1524436	FLJ45337, PPAP2B, PRKAA2, C1orf168	0	1	0.00	0.00
2p#19365_19513	2	20341-1474180	1453840	YL1, BC008374, ACP1, LOC285016, TMEM18, BC04353	0	1	0.00	0.00
2p#19514_19519	2	1479323-1525513	46191	TPO	0	1	0.00	0.00
2p#19520_19645	2	1534447-2904981	1370535	BC030834, MYT1L, AK095310	0	1	0.00	0.00
2p#26273_26283	2	87287735-87844680	556946	BC033072, MGC4677	0	1	0.00	0.00
2q#33514_33565	2	190951437-191600546	649110	HIBCH, INPP1, AK127176, FLJ20160, NAB1, GLS	0	1	0.00	0.00
4p#54140_54143	4	1687747-1705067	17321	TMEM129, TACC3	0	1	0.00	0.00
4q#65305_65318	4	161656595-162036515	379921		0	1	0.00	0.00
4q#65722_65723	4	167404500-167419523	15024		0	1	0.00	0.00
4q#65736_65748	4	167796539-167975822	179284	AF315099	0	1	0.00	0.00
4q#67363_67364	4	190386098-190407580	21483		0	1	0.00	0.00
4q#67405_67409	4	191088740-191134399	45660		0	1	0.00	0.00
4q#67410_67416	4	191144773-191249665	104893	BC087857, FRG1	0	1	0.00	0.00
4q#67417_67422	4	191250705-191312036	61332	FRG1, TUBB4Q	0	1	0.00	0.00
6p#82839_82849	6	25542601-25609379	66779	LRRC16	0	1	0.00	0.00
6p#83767_83769	6	32586131-32601021	14891	BC003593, HLA-DRB5	0	1	0.00	0.00
6p#84529_84535	6	39078549-39128537	49989	DNAH8, GLP1R	0	1	0.00	0.00

6p#84536_84551	6	39135661-39271526	135866	GLP1R, C6orf64, KCN5	0	1	0.00	0.00
15q#178018_178019	15	20335887-20366729	30843		0	1	0.00	0.00
19p#207281_207285	19	6909753-6959861	50109	AF489700	0	1	0.00	0.00
19p#207510_207539	19	9057863-9295080	237218	ZNF317, OR7D2, Y10529, AK095463, BC109267	0	1	0.00	0.00
19p#208099_208144	19	13846320-14274775	428456	_J23447, AK027100, LOC90379, RFX1, RLN3, IL27RA, F	0	1	0.00	0.00
19p#208145_208150	19	14309547-14360145	50599	BC011648, CD97	0	1	0.00	0.00
19p#208160_208174	19	14444753-14543610	98858	PTGER1, GIPC1, DNAJB1, GPSN2, NDUFB7	0	1	0.00	0.00
19p#208175_208177	19	14552825-14583112	30288	FLJ45910, AL832663	0	1	0.00	0.00
21q#217964_217967	21	14663087-14680235	17149	STCH	0	1	0.00	0.00
21q#217968_217969	21	14683497-14688013	4517		0	1	0.00	0.00
21q#217970_217992	21	14698043-14923322	225280	AK055805, SAMS1	0	1	0.00	0.00
21q#218494_218531	21	21586387-21872498	286112	NCAM2, U75330	0	1	0.00	0.00
21q#218532_218568	21	21899489-22429983	530495	BC009878, BC035642, BC039377, AY077696	0	1	0.00	0.00
21q#218569_218578	21	22438137-22607505	169369		0	1	0.00	0.00
21q#220655_220669	21	42714819-42796951	82133	UBASH3A, TSGA2, SLC37A1	0	1	0.00	0.00
5p#67735_67766	5	3312144-3694587	382444	BC035019, IRX1, AK022063	0	1	0.00	0.00
20p#214653_214658	20	24975733-25011769	36037	ACSS1, VSX1	0	1	0.00	0.00
5p#67806_67896	5	4270030-5553081	1283052	790, BC042977, ADAMTS16, AK127746, AK126937, AB	0	1	0.00	0.00
14q#177802_177804	14	105118885-105138838	19954	S55096	0	1	0.00	0.00
14q#177805_177810	14	105143707-105184469	40763	S55096	Inf	1	0.02	0.00
5p#67767_67774	5	3705469-3804533	99065		0	1	0.00	0.00
20p#214659_214660	20	25018067-25032411	14345		0	1	0.00	0.00
5p#67717_67734	5	3030545-3292580	262036		0	1	0.00	0.00
5p#67714_67716	5	2981945-3019046	37102		0	1	0.00	0.00
5p#68808_68912	5	18451320-20226872	1775553	CDH18, BC031051, AK022129	0	1	0.00	0.00
5p#68956_69006	5	21158706-21957439	798734	AK095656, BC038535, CDH12	0	1	0.00	0.00
5p#69029_69067	5	22206470-22560546	354077	CDH12	0	1	0.00	0.00
5p#69104_69118	5	22918502-23193806	275305	AF315093	0	1	0.00	0.00
5p#69316_69351	5	27665646-28873182	1207537		Inf	1	0.02	0.00
5p#67775_67787	5	3813864-3986187	172324		0	1	0.00	0.00
20p#214661_214670	20	25049716-25171821	122106	AK095800, AK092658, ENTPD6, AK125433, AK123827	0	1	0.00	0.00
5p#69222_69227	5	25121995-25231867	109873		0.692294348	1	0.02	0.02
20p#214636_214651	20	24755963-24958762	202800	CST7, C20orf3, ACSS1	0	1	0.00	0.00
20p#214671_214718	20	25177721-25603779	426059	5B, ABHD12, GINS1, KIAA0980, NANP, BC034569, ZNF	0	1	0.00	0.00
5p#68954_68955	5	21104187-21132192	28006		0	1	0.00	0.00
5p#69352_69379	5	28897041-29521748	624708	BC034574, AL137617, AK0988570	0	1	0.00	0.00
16p#189094_189095	16	34339543-34369069	29527		1.398928118	1	0.03	0.02
9p#120514_120526	9	24603645-25081784	478140		Inf	1	0.02	0.00
9p#120489_120500	9	23857943-24160725	302783		0	1	0.00	0.00
9p#119734_119827	9	14832243-15784980	952738	K127963, AK093996, C9orf52, SNAPC3, BC036031, PSIA	0	1	0.00	0.00
9p#120634_120670	9	27111885-27405871	293987	TEK, AF418573, C9orf11, MOBKL2B	0	1	0.00	0.00
9p#120694_120727	9	27590659-28078471	487813	CR613587, BX538226, LRRN6C	Inf	1	0.02	0.00
9p#120755_120822	9	28347447-29210056	862610	LRRN6C	Inf	1	0.02	0.00
9p#120837_120843	9	29778581-29972979	194399		Inf	1	0.02	0.00
9p#120844_120853	9	29996104-30311467	315364		0	1	0.00	0.00
9p#120572_120590	9	26195023-26590503	395481		0	1	0.00	0.00
9p#120595_120633	9	26790767-27100223	309457	C9orf82, PLAA, IFT74, CR617782, TEK	0	1	0.00	0.00
9p#118583_118620	9	360184-675140	314957	DOCK8, BC037495, ANKRD15	0	1	0.00	0.00
9p#120591_120594	9	26613334-26736962	123629		0	1	0.00	0.00
9p#118621_118647	9	681104-934345	253242	ANKRD15, AK126531, DMRT1	0	1	0.00	0.00
9p#119158_119267	9	6156682-7319513	1162832	BC047085, C9orf26, TPD52L3, UHRF2, GLDC, JMJD2C	0	1	0.00	0.00
9p#121154_121237	9	34314141-34980815	666675	ARID3C, OPRS1, GALT, AK094689, IL11RA, CCL27, B	Inf	1	0.02	0.00
11p#139854_139857	11	5683674-5705743	22070	TRIM22, BC020770	0	1	0.00	0.00
9p#118784_118817	9	2580562-2838572	258011	AK092343, VLDLR, KCNV2, KIAA0020, AL832239	0	1	0.00	0.00
11p#139559_139561	11	3204475-3270486	66012		0	1	0.00	0.00

11p#139858_139964	11	5714298-6434936	720639	4, OR52E5, CR591899, C11orf42, AB051546, C11orf56,	0	1	0.00	0.00
11p#140026_140090	11	6822839-7438983	616145	JF215, BC014538, ZNF214, NALP14, HNRNPG-T, BC02	0	1	0.00	0.00
9p#118818_118926	9	2844940-4008082	1163143	456, AK127804, RFX3, AK126819, AK128171, BC047388	0	1	0.00	0.00
10q#133173_133178	10	70167626-70209689	42064	CCAR1	0	1	0.00	0.00
11p#139965_140025	11	6444038-6813547	369510	47806, DNHD1, AB007869, KIAA0409, ILK, TAF10, TPP	0	1	0.00	0.00
3p#45063_45098	3	83439883-84485452	1045570		0.692294348	1	0.02	0.02
11p#142671_142693	11	41050909-41342097	291189	DQ084202	0.692294348	1	0.02	0.02
3p#43781_43825	3	63834321-64293780	459460	ATXN7, AK023371, PSMD6, AL832189, PRICKLE2	0	1	0.00	0.00
3p#43740_43780	3	63367537-63825481	457945	R936762, SYNPR, AK126350, BC015210, THOC7, ATX1	0	1	0.00	0.00
3p#44285_44303	3	70549922-70951503	401582	LOC401072	0	1	0.00	0.00
11q#143572_143586	11	56072236-56172698	100463	OR5AP2	0	1	0.00	0.00
3p#43250_43253	3	58145169-58165306	20138	DNASE1L3	0	1	0.00	0.00
3p#43553_43699	3	61493160-62738931	1245772	PTPRG, AK094634, C3orf14, ZNF312, CADPS	0	1	0.00	0.00
3p#45053_45058	3	83061089-83224932	163844		0	1	0.00	0.00
3p#45099_45100	3	84513606-84569312	55707		0.692294348	1	0.02	0.02
3p#45101_45135	3	84593123-85176026	582904	BC068246, BC105999	Inf	1	0.00	0.00
10q#133760_133820	10	75401465-75929630	528166	BC044908, VCL, AP3M1, ADK	0	1	0.00	0.00
10q#133821_133885	10	75938091-76534521	596431	ADK, AK074816, MYST4, AK021415, DUPD1, DUSP13	Inf	1	0.02	0.00
3p#43303_43309	3	58532669-58573676	41008	FAM107A, AK054720	0	1	0.00	0.00
3p#43317_43552	3	58651704-61453378	2801675	FLJ42117, FHIT	0	1	0.00	0.00
3p#42596_42617	3	52210465-52302525	92061	918, TLR9, PTK9L, BC039681, PPM1M, TMEM113, BX64	0	1	0.00	0.00
3p#43237_43249	3	58017690-58131698	114009	FLNB	0	1	0.00	0.00
9p#121660_121662	9	39131835-39146954	15120	CNTNAP3	0	1	0.00	0.00
3p#45051_45052	3	82994708-83022010	27303		0	1	0.00	0.00
15q#179635_179649	15	38918454-38996513	78060	SPINT1, RHOV, VPS18	0	1	0.00	0.00
15q#179678_179722	15	39171459-39507695	336237	1, EXDL1, CHP, BC051815, OIP5, NUSAP1, NDUFAF1,	0	1	0.00	0.00
10q#131512_131516	10	46462545-46500109	37565	BC021910	0	1	0.00	0.00
3p#44304_44326	3	70977759-71226828	249070	FOXP1	0	1	0.00	0.00
11q#143587_143591	11	56177679-56208750	31072		0	1	0.00	0.00
3p#43233_43236	3	57980497-58010780	30284	FLNB	0	1	0.00	0.00
3p#43254_43302	3	58171419-58527420	356002	ABHD6, RPP14, PKX, PDHB, AK075297, KCTD6, ACOX	0	1	0.00	0.00
11q#143592_143604	11	56217843-56321384	103542		0	1	0.00	0.00
3p#42300_42352	3	49821003-50209019	388017	CAMKV, MST1R, MON1A, RBM6, RBM5, AK125500, S	0	1	0.00	0.00
3p#42399_42426	3	50443619-50671732	228114	2D2, C3orf18, HEMK1, CISH, BC068497, MAPKAPK3, A	0	1	0.00	0.00
3p#42527_42595	3	51696519-52205231	508713	7F1, RNU3IP2, PARP3, GPR62, PCBP4, ABHD14B, ABH	0	1	0.00	0.00
3p#43310_43316	3	58581886-58640658	58773	AK054720, FAM3D	0	1	0.00	0.00
3p#45136_45157	3	85186475-85389768	203294	BC105999	Inf	1	0.02	0.00
19q#210101_210151	19	44453818-44819201	365384	XL, ZFP36, PLEKHG2, RPS16, SUPT5H, TIMM50, BC0	0	1	0.00	0.00
19q#210176_210230	19	45039248-45557489	518242	C163131, AK127063, LOC284323, AK131328, MAP3K10	0	1	0.00	0.00
15q#179650_179677	15	39001835-39165070	163236	DLL4, CHAC1, INOC1	0	1	0.00	0.00
1p#7_9	1	807922-834517	26596	BC042880, AK091100	0	1	0.00	0.00
3p#44609_44615	3	75341359-75445386	104028		0	1	0.00	0.00
3p#44789_44807	3	78664923-78878619	213697	ROBO1	0	1	0.00	0.00
10q#131517_131521	10	46506743-46527071	20329	PPYR1, BC021910	0	1	0.00	0.00
15q#179628_179634	15	38891658-38912519	20862	ZFYVE19, PPP1R14D	0	1	0.00	0.00
19q#210238_210244	19	45612990-45643921	30932	SERTAD1, SERTAD3	0	1	0.00	0.00
19q#210843_210899	19	50876198-51306303	430106	R625930, SYMPK, FOXA3, IRF2BP1, LOC339344, NANC	0	1	0.00	0.00
3p#44357_44408	3	71513628-72057157	543530	FOXPI, EIF4E3, GPR27, PROK2	0	1	0.00	0.00
10q#131510_131511	10	46444985-46453450	8466	BC021910	0	1	0.00	0.00
3p#42363_42369	3	50212424-50298642	86219	C38A3, AK096595, GNAI2, BC033528, SEMA3B, C3orf	0	1	0.00	0.00
3p#42378_42398	3	50330225-50438056	107832	C2, RASSF1, ZMYND10, TUSC4, CYB561D2, TMEM115	0	1	0.00	0.00
3p#42427_42526	3	50680293-51691190	1010898	K3, ARMET, RBM15B, VPRBP, AK122683, RAD54L2, TE	0	1	0.00	0.00
19q#210681_210688	19	49613079-49688623	75545	ZNF229, AB209357, ZNF180	0	1	0.00	0.00
19q#210744_210842	19	50144300-50870390	726091	KCM, BC020346, KLC3, ERCC2, PPP1R13L, CD3EAF	0	1	0.00	0.00
19q#210900_210979	19	51311413-52040781	729369	CDC8, FLJ10781, LOC400707, AK094504, CALM3, BX5	0	1	0.00	0.00

3p#42235_42247	49353414-49426315	72902	GPX1, RHOA, TCCTA	0	1	0.00	0.00
3p#42256_42262	49495565-49541226	45662	DAG1	0	1	0.00	0.00
3p#42283_42299	49715138-49817633	102496	RNF123, GMPPB, IHPK1, LOC389118	0	1	0.00	0.00
4q#61815_61852	109143554-109490351	346798	452717, MGC26963, AK123292, CYP2U1, HADHSC, LE	0	1	0.00	0.00
15q#180525_180589	46941858-47488737	546880	SHC4, KIAA0256, COPS2, GALK2, C15orf33	0	1	0.00	0.00
3p#44616_44618	75455078-75479908	24831		0	1	0.00	0.00
15q#179773_179789	39877118-39979072	101955	MAPKBP1, PLA2G4B, SPTBN5, EHD4	0	1	0.00	0.00
3p#44649_44685	76485893-77118327	632435	AJ012503	0	1	0.00	0.00
3p#44696_44788	77238670-78636522	1397853	ROBO2	0	1	0.00	0.00
3p#42370_42377	50301542-50326987	25446	IFRD2, HYAL3, HYAL1	0	1	0.00	0.00
19q#210064_210100	44117265-44442597	325333	FBXO17, FBXO27, FLJ16165, PAK4, AB032968	0	1	0.00	0.00
19q#210231_210237	45563185-45604426	41242	PLD3, HIPK4, PRX	0	1	0.00	0.00
19q#210245_210262	45647585-45791469	143885	BLVRB, SPTBN4, SHKBP1, LTBP4	0	1	0.00	0.00
19q#210689_210708	49695413-49900212	204800	CEACAM20, AK123850, PVR, AK098812, CEACAM19, C	0	1	0.00	0.00
3p#42046_42053	48032253-48087642	55390	MAP4	0	1	0.00	0.00
3p#42248_42255	49432015-49488097	56083	AMT, NICN1, DAG1	0	1	0.00	0.00
3p#42263_42282	49547053-49709629	162577	DAG1, AK096387, BSN, APEH, MST1, RNF123	0	1	0.00	0.00
4q#61853_61858	109516126-109611498	95373		0	1	0.00	0.00
19q#210656_210680	49377488-49604230	226743	ZNF227, BC002663, ZNF233, ZNF235, ZNF228, ZNF285	0	1	0.00	0.00
15q#180409_180416	45979866-46043158	63293	BC023624	Inf	1	0.02	0.00
15q#180417_180524	46051772-46935472	883701	A5, MYEF2, BX537772, SLC12A1, CR749422, DUT, FB	0	1	0.00	0.00
15q#180328_180343	44862105-45264851	402747	AB040912	Inf	1	0.02	0.00
15q#180344_180362	45274464-45503748	229285	AB040912	0	1	0.00	0.00
15q#180363_180408	45521438-45969895	448458	AB040912, SEMA6D, BC023624	Inf	1	0.02	0.00
3p#44622_44623	75653844-75782209	128366		0	1	0.00	0.00
3p#44634_44648	76019295-76300735	281441	AJ012503	0	1	0.00	0.00
19p#207134_207144	5725315-5768726	43412	TMEM146, MGC24975, DUS3L, FUT6	0	1	0.00	0.00
3p#44625_44630	75845446-75914452	69007	AK123776	0	1	0.00	0.00
10q#131504_131508	46404919-46427629	22711	KIAA0514, AB011086	0	1	0.00	0.00
11q#144021_144032	60005422-60082874	77453	MS4A12, MS4A13	0	1	0.00	0.00
19p#207150_207156	5811389-5841963	30575	FUT5	0	1	0.00	0.00
1p#9248_9257	108368769-108457929	89161	SLC25A24, AF211971	0	1	0.00	0.00
1p#9410_9417	109897860-109928073	30214	GSTM4, BT019947, GSTM2	0	1	0.00	0.00
1p#9597_9622	111562606-111723430	160825	CHIA, C1orf88, OVGPI, WDR77, ATP5F1	0	1	0.00	0.00
19p#206869_206894	3416190-3591179	174990	RC1, BC013413, FZR1, CR607935, C19orf28, HMG20B,	0	1	0.00	0.00
21p#217881_217884	10055549-10075071	19523	BAGE2	0	1	0.00	0.00
19q#21119_211124	53262899-53315502	52604	PLA2G4C, LIG1	0	1	0.00	0.00
19q#210614_210645	49079469-49309120	229652	21, ZNF155, AK090553, ZNF230, AK095196, ZNF222, Z	0	1	0.00	0.00
19q#210980_210981	52046228-52054728	8501	BX538265	0	1	0.00	0.00
11q#144033_144039	60112569-60172825	60257	C11orf64	0	1	0.00	0.00
11q#144041_144057	60199106-60325608	126503	C11orf64, MS4A8B, AB231761, MGC35295, MS4A10	0	1	0.00	0.00
19p#207068_207133	4967071-5714298	747228	209333, PTPRS, ZNRF4, PLAC2, SAFB2, SAFB, HSD11	0	1	0.00	0.00
19p#207145_207149	5776458-5801308	24851	FUT6, FUT3	0	1	0.00	0.00
1p#9361_9400	109579540-109854355	274816	5, AK131459, SYPL2, ATXN7L2, CYB561D1, GPR61, AB	0	1	0.00	0.00
1p#9408_9409	109889976-109894166	4191		0	1	0.00	0.00
1p#9418_9473	109933787-110398954	465168	STM3, EPS8L3, CSF1, M37435, AHCYL1, FAM40A, ALX	0	1	0.00	0.00
1p#9588_9596	111484451-111547191	62741	CHI3L2, LOC149620, CHIA	0	1	0.00	0.00
1p#9623_9684	111727992-112243547	515556	707, M22995, RAP1A, AK094737, AK092074, C1orf183,	0	1	0.00	0.00
1p#1229_1234	12800742-12853081	52340	PRAMEF2	0	1	0.00	0.00
19p#206858_206868	3315791-3402076	86286	NFIC	0	1	0.00	0.00
19p#206788_206793	2725459-2764610	39152	SGTA, THOP1	0	1	0.00	0.00
21p#217885_217894	10084231-10198180	113950	BAGE2	0	1	0.00	0.00
1p#1563_1564	16987056-16997329	10274	AK130020, CROCC	0	1	0.00	0.00
1p#6309_6316	66356925-66409266	52342	PDE4B	0	1	0.00	0.00
1p#6317_6337	66417146-66675151	258006	PDE4B	0	1	0.00	0.00

1p#6338_6342	1	66686520-66728079	41560	SGIP1		0	1	0.00	0.00
1p#9268_9288	1	108796286-108977255	180970	FAM102B, CR622249, C1orf59, PRPF38B, FND C7		0	1	0.00	0.00
1p#9289_9360	1	108987861-109568432	580572	PSM2, CLCC1, WDR47, TAF13, KIAA1324, SARS, CELS		0	1	0.00	0.00
1p#9474_9587	1	110411421-111477564	1066144	4, HBXIP, PROK1, KCNA10, BC043564, KCNA2, KCNA3		0	1	0.00	0.00
6p#83789_83792	6	32811119-32821143	10025	BC003593, HLA-DQA2		0	1	0.00	0.00
11q#144058_144071	11	60329724-60398326	68603	CCDC86, GPR44, ZP1		0	1	0.00	0.00
19p#206794_206835	19	2771355-3075007	303653	ZNF556, X65230, ZNF57, ZNF77, TLE6, TLE2, AES, G		0	1	0.00	0.00
19q#210982_211118	19	52062062-53255585	1193524	50924, MEIS3, SLC8A2, KPTN, NAPA, ZNF541, BC032		0	1	0.00	0.00
19q#211125_211141	19	53326928-53478318	151391	LIG1, LOC374920, CARD8, AK125548, ZNF174		0	1	0.00	0.00
9p#120671_120693	9	27414822-27576191	161370	MOBK2B, C9orf72		0	1	0.00	0.00
9p#120823_120836	9	29245323-29743392	498070			0	1	0.00	0.00
9p#118563_118582	9	153131-351777	198647	CBWD1, C9orf66, AB191037, DOCK8		0	1	0.00	0.00
5q#72752_72771	5	77838400-78172078	333679	LHFPL2, CR936660, AK091868, ARSB		0	1	0.00	0.00
11p#142621_142670	11	40423499-41032234	608736	DQ084202	0.692294348		1	0.02	0.02
5q#72692_72751	5	77301218-77832929	531712	AP3B1, SCAMP1, LHFPL2		0	1	0.00	0.00
5q#72772_72865	5	78188153-79093574	905422	B, DMGDH, BHMT2, BHMT, JMY, HOMER1, PAPD4, CM		0	1	0.00	0.00
5q#71099_71111	5	56822599-56116423	293825			0	1	0.00	0.00
5q#72134_72185	5	70951984-71639515	687532	MCCC2, CART, MAP1B, MRPS27		0	1	0.00	0.00
5q#72274_72307	5	72765558-73016634	251077	FOX D1, BTF3, ANKRA2, UTP15, AK094713		0	1	0.00	0.00
5q#71829_71917	5	65480990-66265913	784924	BC017000, SFRS12, FLJ46010, LOC375449	Inf		1	0.02	0.00
5q#71918_71963	5	66277013-66773996	496984	LOC375449, BC018692, AK131421, AK057601, CD180		0	1	0.00	0.00
5q#72357_72480	5	73830133-75150412	1320280	0902, CR936791, GCNT4, AK097510, HMGCR, AK0006		0	1	0.00	0.00
5q#72556_72691	5	76003291-77260574	1257284	F2RL1, S100Z, CRHBP, AGGF1, ZBED3, CR597892, PL		0	1	0.00	0.00
3p#42658_42662	3	52546588-52573094	26507	AK095910, PB1		0	1	0.00	0.00
5q#71964_71978	5	66808813-67210813	402001			0	1	0.00	0.00
5q#72047_72093	5	68497800-68816682	318883	IPH, MRPS36, CDK7, KENAE, AB024691, BC050737, T		0	1	0.00	0.00
5q#72186_72273	5	71645660-72759801	1114142	02, BC030521, ZNF366, TNPO1, FCHO2, PRP2, MGC73		0	1	0.00	0.00
5q#72308_72356	5	73027060-73809002	781943	AK094713, CR936816, AK025816, AK025470, BC01674		0	1	0.00	0.00
3p#43060_43073	3	56384672-56503707	119036	CAST1		0	1	0.00	0.00
3p#43075_43125	3	56551664-57028117	476454	OC66, C3orf63, BX648955, BC070096, ARHGEF3, AF43		0	1	0.00	0.00
3p#42618_42657	3	52308530-52539835	231306	H1, BAP1, PHF7, SEMA3G, TNNC1, NISCH, STAB1, NT		0	1	0.00	0.00
3p#42663_42749	3	52578866-53252070	673205	TIH1, ITIH3, AK090687, ITIH4, MUSTN1, TMEM110, SF		0	1	0.00	0.00
3p#42758_43059	3	53320931-56372670	3051740	2, CACNA1D, CHDH, IL17RB, ACTR8, SELK, CACNA2D		0	1	0.00	0.00
5q#71979_71987	5	67235717-67494199	258483			0	1	0.00	0.00
5q#72029_72046	5	68358031-68490219	132189	AK128486, SLC30A5		0	1	0.00	0.00
5q#72094_72096	5	68827028-68840765	13738	OCLN		0	1	0.00	0.00
15q#181187_181272	15	53658389-54493544	835156	501, AK023283, PRTG, NEDD4, RFXDC2, AK128045, T		0	1	0.00	0.00
15q#181301_181302	15	54767419-54776230	8812	SUHW4		0	1	0.00	0.00
3p#43126_43232	3	57034377-57978471	944095	APPL, ASB14, AL832472, DNHD2, U53532, FLJ44290, 4		0	1	0.00	0.00
5q#72102_72104	5	70343857-70422356	78500	BIRC1, X83301		0	1	0.00	0.00
3p#42750_42757	3	53263527-53315183	51657	TKT, DCP1A		0	1	0.00	0.00
3p#42120_42209	3	48583014-49178156	595143	AK026351, PRKAR2A, SLC25A20, ARIH2, PH-4, WDR6,		0	1	0.00	0.00
11p#143090_143105	11	46738700-46874922	136223	CKAP5, LRP4		0	1	0.00	0.00
11p#143127_143130	11	47087935-47115821	27887	C11orf49		0	1	0.00	0.00
5q#72025_72028	5	68314209-68350104	35896	AK128486		0	1	0.00	0.00
5q#71988_71989	5	67530971-67543916	12946			0	1	0.00	0.00
4q#59472_59475	4	80267076-80308743	41668	BC036848		0	1	0.00	0.00
11p#143132_143145	11	47139054-47217182	78129	C11orf49, ZNF289, PACSIN3, DDB2		0	1	0.00	0.00
11p#143356_143359	11	49989322-50021727	32406			0	1	0.00	0.00
5q#72100_72101	5	69741318-69768007	26690	LOC153561		0	1	0.00	0.00
11p#143352_143355	11	49927536-49965295	37760			0	1	0.00	0.00
15q#180807_180960	15	49450806-50679656	1228851	LYSMD2, TMOD2, TMOD3, LEO1, MAPK6, AF086491,		0	1	0.00	0.00
3p#42210_42234	3	49186648-49340280	153633	MGC35097, CCDC36, STGC3, AK130658, C3orf62, USP		0	1	0.00	0.00
5q#72011_72024	5	67961048-68304153	343106	AK128486		0	1	0.00	0.00
5q#72098_72099	5	68868713-69274492	405780	OCLN, LOC153561		0	1	0.00	0.00

11p#143106_143120	11	46880663-47020855	140193	LRP4, BC046346, C11orf49	0	1	0.00	0.00
3p#41937_42045	3	47068358-48015162	946805	LHL18, AK130922, BC036224, PTPN23, SCAP, TMEM1	0	1	0.00	0.00
11p#143350_143351	11	49905029-49916729	11701		0	1	0.00	0.00
19p#207014_207026	19	4542598-4641977	99380	TNFAIP8L1, C19orf10, DPP9	0	1	0.00	0.00
3p#41923_41936	3	46930807-47059220	128414	CCDC12, AK131104, SETD2	0	1	0.00	0.00
19q#210646_210654	19	49316513-49371876	55364	ZNF225, AK096984, ZNF234, ZNF226	0	1	0.00	0.00
11p#143341_143349	11	49688842-49891857	203016	AB231735	0	1	0.00	0.00
1p#10009_10027	1	116011739-116245881	234143	CASQ2, NHLH2, BC043254, SLC22A15	0	1	0.00	0.00
19p#207053_207057	19	4840689-4857367	16679		0	1	0.00	0.00
19p#207063_207067	19	4914700-4960314	45615	JMJD2B	0	1	0.00	0.00
1p#9401_9407	1	109860960-109886706	25747	GNAT2, AMPD2	0	1	0.00	0.00
1p#9685_9704	1	112251671-112694761	443091	BC034233, CTTNBP2NL	0	1	0.00	0.00
19p#206994_207013	19	4368983-4533605	164623	CHAF1A, UBXD1, HDGF2, BC033570, LRG1, SEMA6B	0	1	0.00	0.00
1p#1557_1561	1	16836986-16967249	130264	AK130020	0	1	0.00	0.00
3p#41917_41922	3	46886289-46919299	33011	PTHR1	0	1	0.00	0.00
19p#206895_206899	19	3605156-3652359	47204	PIP5K1C, BC014884	0	1	0.00	0.00
19p#206900_206903	19	3665942-3688814	22873	BC014884, TJP3	0	1	0.00	0.00
19p#206904_206950	19	3693030-4062414	369385	C014884, MATK, ATCAY, ITGB1BP3, DAPK3, EEF2, PIA	0	1	0.00	0.00
19p#206969_206993	19	4199456-4354030	154575	MGC23244, FSD1, STAP2, AK125774, FLJ14981, SH3	0	1	0.00	0.00
19p#207027_207052	19	4649832-4834004	184173	DPP9, C19orf30, TICAM1, BC035331, M6PRBP1	0	1	0.00	0.00
19p#207058_207062	19	4863575-4899486	35912	UHRF1	0	1	0.00	0.00
1q#19340_19364	1	245275177-245433898	158722	SH3BP5L, ZNF672, ZNF692, PGBD2	Inf	1	0.02	0.00
1q#10370_10371	1	142409033-142416881	7849	NBPF1	Inf	1	0.02	0.00
1q#10965_10966	1	149390893-149395017	4125		Inf	1	0.02	0.00
1q#10962_10964	1	149369522-149386262	16741		Inf	1	0.02	0.00
1q#15169_15176	1	197304591-197367171	62581	KIF14, DDX59	0.692294348	1	0.02	0.02
1q#15177_15219	1	197374191-197733774	359584	BC042016, CAMSAP1L1, C1orf106, KIF21B, AK022893	0.692294348	1	0.02	0.02
1q#15230_15245	1	197839039-197995161	156123	TMEM9, AY359012, BC033185, DKFZp434B1231, PKP1	0.692294348	1	0.02	0.02
1q#15254_15279	1	198068196-198233260	165065	TNNI1, AK123965, PHLDA3, AK130802, CSRP1, AK097	0.692294348	1	0.02	0.02
1q#15331_15370	1	198723672-199041762	318091	29946, GPR37L1, ARL8A, PTPN7, AJ629456, LGR6, UE	1.398928118	1	0.03	0.02
1q#15396_15401	1	199329886-199374633	44748	SYT2	0.686886232	1	0.03	0.05
1q#16054_16061	1	205994580-206117073	122494		1.044194198	1	0.05	0.05
1q#16159_16183	1	207040914-207248524	207611	HHAT, KCNH1	1.044194198	1	0.05	0.05
1q#16184_16187	1	207261989-207288896	26908	KCNH1	0.686886232	1	0.03	0.05
1q#10388_10390	1	142570866-142592976	22111	NBPF1	Inf	1	0.02	0.00
1q#13213_13215	1	170475037-170492752	17716	KLHL20	1.398928118	1	0.03	0.02
1q#10578_10582	1	145899886-145988881	88996		Inf	1	0.02	0.00
1q#12670_12730	1	164557285-165085997	528713	4, IQWD1, AK091271, GPR161, TIPRL, SFT2D2, AK091	0.692294348	1	0.02	0.02
1q#10970_10976	1	149413396-149453611	40216	LCE2D	Inf	1	0.02	0.00
1q#11576_11610	1	153625540-153875285	249746	NTRK1, AK098809, C1orf92, ARHGEF11, FLJ16478	Inf	1	0.02	0.00
1q#11624_11633	1	154007986-154297143	289158	FCRL5	Inf	1	0.02	0.00
1q#11659_11674	1	154517644-154635336	117693	FCRL2, FCRL1, CD5L	Inf	1	0.02	0.00
1q#10703_10712	1	147447380-147511856	64477	GOLPH3L, HORMAD1	Inf	1	0.02	0.00
1q#10977_10994	1	149461953-149555912	93960	LCE2C, LCE2B, LCE2A, C1orf45	0.692294348	1	0.02	0.02
1q#11445_11503	1	152737484-153133928	396445	125482, AK056143, LMNA, AY358531, SEMA4A, KIAA0	Inf	1	0.02	0.00
1q#11504_11511	1	153139079-153187144	48066	RHBG, AB007971	Inf	1	0.02	0.00
1q#11512_11519	1	153189996-153221408	31413	C1orf61, BC054045	Inf	1	0.02	0.00
1q#11530_11547	1	153327250-153436293	109044	IQGAP3, APOA1BP, GPATC4, HAPLN2, BCAN	Inf	1	0.02	0.00
1q#11567_11575	1	153565158-153621526	56369	PRCC, SH2D2A, NTRK1	Inf	1	0.02	0.00
9p#120302_120352	9	21282858-21548413	265556	V00541, KLHL9, IFNA2, IFNA8, AK124391, IFNE1	Inf	1	0.02	0.00
16q#189541_189545	16	50206404-50264608	58205		Inf	1	0.02	0.00
14q#175228_175252	14	77345042-77578518	233477	ADCK1	0	1	0.00	0.00
14q#175645_175661	14	81377766-81735822	358057		0	1	0.00	0.00
14q#175793_175851	14	85263021-86858875	1592855	BC034577	0	1	0.00	0.00
9p#120273_120301	9	21044957-21272035	227079	IFNB1, IFNW1, IFNA14	Inf	1	0.02	0.00

16q#189824_189834	16	54390012-54492253	102242	CES1, BC039073, CES7	0	1	0.00	0.00
16q#189321_189339	16	47162587-47610815	448229	N4BP1	Inf	1	0.02	0.00
14q#175200_175227	14	77151100-77339335	188236	SPTLC2, ALKBH1, C14orf156, SNW1, FLJ25976, ADCK	0	1	0.00	0.00
14q#175253_175274	14	77590923-77867561	276639	AJ316284	0	1	0.00	0.00
14q#175664_175680	14	81829948-82280509	450562		0	1	0.00	0.00
14q#175736_175747	14	84003019-84303860	300842		0	1	0.00	0.00
14q#175852_175991	14	86874773-88494955	1620183	65, BC029479, KCNK10, SPATA7, PTPN21, FLJ11806, C14orf143, TDP1	0	1	0.00	0.00
14q#176085_176100	14	89461402-89571503	110102	ITPK1	0	1	0.00	0.00
14q#176443_176448	14	92520185-92549907	29723		0	1	0.00	0.00
14q#176798_176903	14	95645437-97142334	1496898	311, C14orf103, BC015851, AK055200, CR608981, C14c	0	1	0.00	0.00
14q#175005_175011	14	75429238-75476759	47522	TTL5	0	1	0.00	0.00
14q#175332_175344	14	78331247-78432339	101093	NRXN3	0	1	0.00	0.00
14q#176203_176223	14	90438944-90610733	171790	RPS6KA5	0	1	0.00	0.00
14q#176427_176437	14	92378173-92473165	94993	CHGA, BC003622	0	1	0.00	0.00
14q#176438_176442	14	92477385-92513383	35999	ITPK1	0	1	0.00	0.00
14q#176449_176451	14	92559003-92576239	17237	ITPK1	0	1	0.00	0.00
14q#176452_176797	14	92581771-95637348	3055578	1, BX248259, AY220118, SERPINA9, SERPINA12, SERA	0	1	0.00	0.00
13q#167886_167955	13	94512971-95151189	638219	ABCC4, CLDN10, DZIP1, BC035106, DNAJC3	0	1	0.00	0.00
13q#167975_168187	13	95344770-97397656	2052887	3L2, HS6S13, AY956767, OXGR1, CR749802, MBNL2, F	0	1	0.00	0.00
13q#168188_168200	13	97403991-97505893	101903	RANBP5	0	1	0.00	0.00
13q#168858_168980	13	104028912-106710144	2681233	548, DAOA, AK058053, EFN2, FLJ10154, AK098538, L	0	1	0.00	0.00
13q#169045_169087	13	107635495-108102404	466910	LIG4, BX648833, ABHD13, TNFSF13B, MYR8	0	1	0.00	0.00
13q#167956_167974	13	95164743-95328664	163922	DNAJC3, UGCGL2	0	1	0.00	0.00
13q#168837_168857	13	103424239-104008080	583842		0	1	0.00	0.00
13q#168677_168698	13	101436266-101594656	158391	FGF14	0	1	0.00	0.00
13q#169142_169153	13	108558819-108658336	99518	MYR8	0	1	0.00	0.00
12p#152607_152619	12	19366442-19466565	100124	PLEKHA5, CR599308	0	1	0.00	0.00
9p#121686_121693	9	43948886-45739136	1790251	BC029914, ANKRD20A3	0	1	0.00	0.00
13q#168557_168676	13	100551200-101429025	877826	VGCNL1, ITGBL1, AK075136, AK026784, FGF14	0	1	0.00	0.00
13q#168699_168716	13	101600869-101742572	141704	FGF14	0	1	0.00	0.00
13q#168828_168836	13	103107018-103372008	264991		0	1	0.00	0.00
13q#167121_167132	13	83360640-83618258	257619		0	1	0.00	0.00
13q#167226_167324	13	85723972-87919996	2196025	AF339814, SLITRK5	0	1	0.00	0.00
13q#167166_167178	13	84353485-84687074	333590		0	1	0.00	0.00
8p#108128_108134	8	72562229-7789996	533768	Z71389, BC030211, SPAG11, DEFB4	0	1	0.00	0.00
12p#151933_151939	12	11387995-11444780	56786		0	1	0.00	0.00
12p#151963_152173	12	11823374-13720085	1896712	19, AK074729, AK096388, CDKN1B, AK127712, APOLL	0	1	0.00	0.00
13q#167179_167181	13	84734726-84796638	61913		0	1	0.00	0.00
12p#151726_151727	12	9585156-9613118	27963	BX647938	0	1	0.00	0.00
12p#151920_151932	12	11112600-11375894	263295	BC071692, K03207, PRB3	0	1	0.00	0.00
12p#151940_151962	12	11466807-11815493	348687	BC041827, ETV6	0	1	0.00	0.00
12p#152174_152213	12	13729126-14179228	450103	GRIN2B	0	1	0.00	0.00
12p#152328_152405	12	15309663-16041648	731986	PTPRO, EPS8, STRAP, DERA	0	1	0.00	0.00
3p#45512_45521	3	90296455-90391757	95303	M19503	Inf	1	0.02	0.00
12p#151629_151659	12	8586819-8826846	240028	BC004857, AICDA, MFAP5, FAM80B	0	1	0.00	0.00
12p#151706_151719	12	9237912-9412611	174700	PZP, BC047234	0	1	0.00	0.00
12p#151722_151725	12	9446682-9554208	107527		0	1	0.00	0.00
12p#151816_151822	12	10256580-10296576	39997	GABARAPL1, BC042884	0	1	0.00	0.00
12p#151832_151842	12	10374532-10464077	89546	KLRK1, KLRC4, KLRC3	0	1	0.00	0.00
12p#151850_151919	12	10544406-11077331	532926	TAS2R7, TAS2R8, TAS2R9, TAS2R10, PRR4, BC07169	0	1	0.00	0.00
12p#152406_152429	12	16047990-16335143	287154	DERA	0	1	0.00	0.00
11q#143623_143624	11	5660048-56638833	38786		0	1	0.00	0.00
15q#185834_185872	15	98749413-99061971	312559	LASS3, AK095793, LINS1, ASB7, AK094123	Inf	1	0.02	0.00
11q#143615_143622	11	56479949-56551103	71155		0	1	0.00	0.00
11q#143625_143626	11	56675795-56687722	11928		0	1	0.00	0.00

11p#141056_141070	11	17803582-17937775	134194	SERGEF	0	1	0.00	0.00
12p#151823_151831	12	10309827-10369208	59382	BC042884, KLRD1	0	1	0.00	0.00
19p#208359_208394	19	16139991-16457014	317024	B3, FAM32A, AP1M1, KLF2, BC051873, EPS15L1, CAL	0	1	0.00	0.00
12p#151660_151705	12	8843087-9222900	379814	ML1, AK057908, PHC1, M6PR, KLRG1, C12orf33, A2M, A	0	1	0.00	0.00
12p#151720_151721	12	9423653-9433002	9350	BC047234	0	1	0.00	0.00
12p#151843_151849	12	10465787-10534452	68666	AF461157, KLRC2, KLRC1	0	1	0.00	0.00
11q#144260_144264	11	61970155-62002461	32307	AHNAK	0	1	0.00	0.00
3p#45492_45498	3	89979854-90077728	97875	M19503	0	1	0.00	0.00
3p#45499_45511	3	90086651-90284719	198069	M19503	Inf	1	0.02	0.00
4q#59552_59600	4	81452537-81890191	437655	PRDM8, FGF5, MGC35043	0	1	0.00	0.00
4q#59626_59651	4	82126143-82400742	274600	MGC35043, BMP3, PRKG2	0	1	0.00	0.00
15q#185628_185653	15	96986112-97200880	214769	IGF1R	1.398928118	1	0.03	0.02
15q#185654_185684	15	97206559-97447154	240596	IGF1R, BC010607, AK058162	0.692294348	1	0.02	0.02
15q#185922_185927	15	99495586-99538763	43178	CHSY1	1.398928118	1	0.03	0.02
15q#185983_185988	15	99979003-100004652	25650	BX641093, TM2D3	1.398928118	1	0.03	0.02
19q#210734_210742	19	50101163-50135017	33855	APOE, AJ249921	0	1	0.00	0.00
3p#45252_45305	3	86170788-87311717	1140930	IGSF4D, BC035252, VGLL3	Inf	1	0.02	0.00
3p#45330_45335	3	87778003-87917144	139142	TTC23	0	1	0.00	0.00
15q#185693_185696	15	97513715-97534873	21159	OR4F6, AY792621	Inf	1	0.02	0.00
15q#186006_186017	15	10015593-100282878	127286	COPE, DDX49, HOMER3	1.398928118	1	0.03	0.02
19p#208696_208702	19	18885903-18911347	25445	CALR3, FLJ21742	0	1	0.00	0.00
19p#208395_208400	19	16462491-16489753	27263	AK128099, FFAR2, UNQ467, ZD52F10	0	1	0.00	0.00
19q#209661_209675	19	40576707-40691356	114650	10, UBE2L6, SERPING1, AK096335, YPEL4, HEAB, ZD	0	1	0.00	0.00
11q#143676_143702	11	57041055-57210176	169122	CHMP2B, POU1F1	0	1	0.00	0.00
3p#45306_45325	3	87336579-87630972	294394	MGC35043	Inf	1	0.02	0.00
3p#45326_45329	3	87661897-87756853	94957	PRKG2	0	1	0.00	0.00
4q#59601_59625	4	81901148-82119709	218562	AK000872, BC106083, NR2F2, AK090480	0	1	0.00	0.00
4q#59652_59662	4	82413501-82540262	126762	BC038379, BC043294	0	1	0.00	0.00
15q#185437_185467	15	94620101-95052948	432848	FLJ39743	0.692294348	1	0.02	0.02
15q#185509_185535	15	95595820-95931105	335286	AL833262, DMN, TTC23	1.398928118	1	0.03	0.02
15q#185606_185627	15	96771826-96969371	197546	TM2D3, TARSL2	0.692294348	1	0.02	0.02
15q#185685_185692	15	97458698-97502589	43892	ATP8B4	1.398928118	1	0.03	0.02
15q#185989_185990	15	100009462-100017107	7646	CRTC1, AB014516, COMP, UPF1, GDF1, COPE	0	1	0.00	0.00
15q#180621_180638	15	47848470-48017332	168863	CDKN2D, AP1M2, AK027519, SLC44A2, ILF3	0	1	0.00	0.00
19p#208677_208695	19	18739306-18877930	138625	FLJ39501	0	1	0.00	0.00
19p#207688_207706	19	10539158-10661329	122172	4F11, CR749400, LOC126536, FLJ25328, AK023385, TF	0	1	0.00	0.00
19p#208287_208291	19	15504923-15559031	54109	HERP, BC068564, SLC35E1, CRSP7, CR615358, C19orf	0	1	0.00	0.00
19p#208318_208358	19	15790620-16133226	342607	SCGB1A1, AHNAK	0	1	0.00	0.00
19p#208401_208414	19	16501237-16621994	120758	PLXND1, BC025331, TMCC1, TRH, AK124448	0	1	0.00	0.00
11q#144252_144259	11	61920836-61963626	42791	AF520801	0	1	0.00	0.00
3q#48432_48484	3	130784888-131458071	673184	EPHA3, M19503	0	1	0.00	0.00
6p#81672_81688	6	10289217-10463482	174266	M19503	0	1	0.00	0.00
3p#45463_45491	3	89587513-89971171	383659	M19503, EPHA3	0	1	0.00	0.00
3p#45418_45420	3	89157388-89182055	24668	M19503, EPHA3	0	1	0.00	0.00
3p#45422_45435	3	89215413-89353258	137846	KAP8L, BC014220, AL390184, AK131404, AK122587, AB	0	1	0.00	0.00
19p#208261_208286	19	15252220-15494140	241921	ATXN1, AK091312, RBM24, CAP2	0	1	0.00	0.00
6p#82212_82256	6	16794518-17512375	717858	AK098665	0	1	0.00	0.00
6p#82385_82392	6	18810233-19100401	290169	AK097585, ID4, BC045695	0	1	0.00	0.00
6p#82393_82446	6	19126184-20216709	1090526	BC045695, E2F3, CDKAL1	0	1	0.00	0.00
6p#82447_82508	6	20226880-20917349	690470	ILVBL, NOTCH3, ABHD9, BRD4	0	1	0.00	0.00
19p#208242_208260	19	15091897-15240869	148973	NBPF1, AF379624	0	1	0.00	0.00
1q#10393_10395	1	142628370-142871455	243086	AF379624, HFE2	Inf	1	0.02	0.00
1q#10396_10400	1	142877399-142905440	28042	CHD9	Inf	1	0.02	0.00
16q#189611_189622	16	51730915-51822920	92006	ZNF423	0	1	0.00	0.00
16q#189394_189408	16	48279692-48408783	129092		0	1	0.00	0.00

16q#189719_189740	16	52725865-53189016	463152	IRX3	0	1	0.00	0.00
16q#189366_189393	16	48017848-48270308	252461	ZNF423	0	1	0.00	0.00
16q#189409_189414	16	48418243-48564019	145777	ZNF423	0	1	0.00	0.00
16q#189741_189746	16	53237084-53381954	144871		0	1	0.00	0.00
16q#189364_189365	16	47992698-48000978	8281		0	1	0.00	0.00
16q#189418_189447	16	48617760-48850375	232616	C16orf69, HEATR3, PAPD5	Inf	1	0.02	0.00
16q#189462_189518	16	48977184-49654322	677139	NKD1, AL161979, AK055837, SLIC1, CARD15, CYLD, AF275804, IRX5	Inf	1	0.02	0.00
16q#189747_189757	16	53413736-53550814	137079		0	1	0.00	0.00
5q#73712_73728	5	90822324-91362901	540578		0	1	0.00	0.00
5q#74327_74345	5	100377294-100779902	402609	AF315093	0	1	0.00	0.00
5q#73761_73795	5	92198531-92917819	719289	AK124699	0	1	0.00	0.00
5q#73804_74169	5	92981284-96747446	3766163	RSK, AK126218, LOC317671, SPATA9, AK023621, RHC	0	1	0.00	0.00
5q#72987_72990	5	80289900-80314715	24816	RASGRF2	0	1	0.00	0.00
5q#73132_73711	5	81733285-90798559	9065275	C33214, BC030122, BC043237, BC036480, AK091356, C	0	1	0.00	0.00
5q#73729_73760	5	91417777-92167159	749383	AK056485	0	1	0.00	0.00
5q#74170_74326	5	96771193-100362429	3591237	RGMB, CHD1, CR594287, UNQ1912, ST8SIA4, AF31509	0	1	0.00	0.00
5q#74346_74359	5	100842157-101329781	487625		0	1	0.00	0.00
5q#72991_73131	5	80321101-81712826	1391726	CCHC9, ACOT12, AF077048, SSBP2, ATG10, RPS23, A	0	1	0.00	0.00
5q#74360_74362	5	101357375-101420822	63448		0	1	0.00	0.00
5q#74394_74656	5	101852462-107059145	5206684	PAM, FLJ20125, AB007893, HISPPD1, LOC90355, NUD	0	1	0.00	0.00
5q#71520_71567	5	61209534-61948584	739051	BC047544, KIF2, HSA9761, IPO11	0	1	0.00	0.00
5q#74363_74393	5	101451594-101839345	387752	SLCO4C1, SLCO6A1	0	1	0.00	0.00
5q#75550_75684	5	119694454-121939570	2245117	LOC51334, FTMT, SRFBP1, LOX, ZNF474, SNCAIP, A	0	1	0.00	0.00
5q#75754_75770	5	122709757-122887996	178240	CCDC100, CSNK1G3	0	1	0.00	0.00
5q#76663_76678	5	133965082-134070786	105705	BC012749, SAR1B	0	1	0.00	0.00
5q#71568_71578	5	61958972-62203421	244450	IPO11	0	1	0.00	0.00
5q#71579_71738	5	62274050-64657025	2382976	RNF180, AL832580, R7BP, P18SRP, SDCCCAG10, AD	0	1	0.00	0.00
5q#77146_77156	5	138671882-138732462	60581	MATR3, BX537365, PAIP2	0	1	0.00	0.00
5q#77827_77868	5	145796051-146168593	372543	TCERG1, GPR151, PPP2R2B	0	1	0.00	0.00
11p#143252_143269	11	48084195-48220446	136252	PTPRJ	0	1	0.00	0.00
5q#75441_75549	5	118116153-119665492	1549340	6311, DMXL1, AK097884, TNFAIP8, HSD17B4, AB2089	0	1	0.00	0.00
5q#76679_76700	5	134078207-134223282	145076	BC012749, CAMLG, DDX46, C5orf24	0	1	0.00	0.00
11p#142504_142509	11	37132463-37305984	173522		0.692294348	1	0.02	0.02
11p#141874_141882	11	29486142-29729208	243067		0	1	0.00	0.00
11p#142956_142980	11	45361314-45715198	353885	FLJ41423, CHST1	0	1	0.00	0.00
5q#76860_76870	5	135818317-136169955	351639		0	1	0.00	0.00
5q#76960_77145	5	137126862-138665942	1539081	KIF20A, CDC23, GFRA3, CDC25C, FAM53C, JMJD1B,	0	1	0.00	0.00
11p#142404_142423	11	35917126-36041428	124303	LDLRAD3	0.692294348	1	0.02	0.02
11p#143270_143273	11	48228208-48242045	13838	OR4X1	0	1	0.00	0.00
11p#141883_141952	11	29762617-30698247	935631	KCNA4, FSHB, C11orf46, AB209163, MPPE2	0	1	0.00	0.00
5q#77157_77158	5	138735617-138740178	4562	SLC23A1	0	1	0.00	0.00
5q#77642_77826	5	142801381-145777703	2976323	644, SH3RF2, AL833297, PLAC8L1, AK095870, LARS, A	0	1	0.00	0.00
11p#142829_142921	11	43904729-44938837	1034109	LOC390110, PHACS, EXT2, AB058691, ALX4, TP53111	0	1	0.00	0.00
5q#77635_77641	5	142735903-142792592	56690	NR3C1	0	1	0.00	0.00
3p#40480_40541	3	30661266-31651615	990350	TGFB2, GADL1, AL832766, STT3B	0	1	0.00	0.00
15q#180727_180768	15	48737274-49085557	348284	TRPM7, SPPL2A, AK091906, AP4E1	0	1	0.00	0.00
3p#40542_40617	3	31661129-32419542	758414	OSBPL10, GPD1L, CMTM8, CMTM7	0	1	0.00	0.00
14q#176940_176966	14	98042023-98530987	488965	FLJ25773	0	1	0.00	0.00
14q#173610_173635	14	63326393-63556573	230181	SYNE2	0	1	0.00	0.00
14q#173603_173609	14	63235019-63293649	58631	SGPP1	0	1	0.00	0.00
14q#173636_173676	14	63561355-63868790	307436	SYNE2, ESR2	0	1	0.00	0.00
14q#173691_173695	14	63999397-64023611	24215	BC014650, AKAP5, ZBTB25	0	1	0.00	0.00
14q#173577_173602	14	63012616-63227778	215163	PPP2R5E, C14orf150, SGPP1	0	1	0.00	0.00
11q#146682_146683	11	85727387-85740948	13562	C11orf73	0.692294348	1	0.02	0.02
12p#152266_152305	12	14801195-15031549	230355	2AFJ, WBP11, C12orf60, AK056213, ART4, MGP, C12o	0	1	0.00	0.00

11q#146325_146347	11	82052802-82209914	217113	AK095054, MGC33846, AF438406, PRCP	Inf	1	0.02	0.00
11q#146383_146394	11	82654520-82813626	159107	MDS025, BC070093	0.686886232	1	0.03	0.05
12p#152223_152245	12	14420459-14586515	166057	ATF7IP, FLJ22662	0	1	0.00	0.00
12q#155807_155811	12	55822753-55856988	34236	LRP1	0	1	0.00	0.00
14q#170022_170028	14	21359731-21393778	34048	BC063432, MGC40069	0	1	0.00	0.00
11q#146348_146352	11	82288127-82321946	33820	PRCP, FLJ25416	0.692294348	1	0.02	0.02
12p#152306_152310	12	15041656-15135822	94167		0	1	0.00	0.00
12p#151278_151330	12	5591521-6065710	474190	TMEM16B, VWF	0	1	0.00	0.00
15q#184000_184139	15	78358253-79582392	1224140	03, KIAA1199, BC009210, MESDC2, AL109682, C15orf2	Inf	1	0.02	0.00
15q#184152_184167	15	79897016-80169750	272735	AK055989, BC043257	Inf	1	0.02	0.00
15q#184684_184777	15	86777058-87593346	782289	793, DET1, AK054749, ISG20L1, AK122793, ISG20, AG	Inf	1	0.02	0.00
15q#184778_184837	15	87564090-87988527	404438	MA1794, POLG, CR612213, RHCG, BC039350, AK12361	0	1	0.00	0.00
14q#177787_177792	14	105024134-105041115	16982	S55096, C14orf80	0	1	0.00	0.00
12q#155812_155816	12	55868332-55900034	31703	LRP1, NXPH4	0	1	0.00	0.00
12q#155674_155680	12	54891677-54923173	31497	RNF41, AY583020, OBFC2B, SLC39A5	0	1	0.00	0.00
11q#144304_144310	11	62219327-62252450	33124	BSCL2, GNG3, AK122942, AF289605	0	1	0.00	0.00
12p#151331_151337	12	6077467-6131208	53742	VWF	0	1	0.00	0.00
15q#181392_181429	15	55569543-55895577	326035	CGNL1, Gcom1, AK074767	0	1	0.00	0.00
15q#181430_181432	15	55919033-55967725	48693		Inf	1	0.02	0.00
15q#184168_184203	15	80191426-81080617	889192	EFTUD1, DKFZp666G057, CR936602, CPEB1	0	1	0.00	0.00
15q#184313_184358	15	81999515-82375857	376343	SH3GL3, ADAMTSL3	0	1	0.00	0.00
15q#184616_184621	15	86056493-86209175	152683	AL109696	0	1	0.00	0.00
15q#184622_184683	15	86214945-86748077	533133	NTRK3, AK097486	Inf	1	0.02	0.00
11q#144297_144303	11	62180848-62210522	29675	C11orf48, BC090057, LOC51035, LOC221091	0	1	0.00	0.00
3p#45381_45390	3	88510901-88727864	216964	M19503	0	1	0.00	0.00
12q#155817_155822	12	55903157-55920518	17362	NXPH4, SHMT2, NDUFA4L2	0	1	0.00	0.00
12p#151235_151277	12	5019940-5584710	564771	KCNA5, CR611279, X53655, NTF3, TMEM16B	0	1	0.00	0.00
12p#151473_151477	12	6968183-7010070	41888	OACT5, AK055183	0	1	0.00	0.00
12p#151494_151510	12	7181426-7358336	176911	CLSTN3, PEX5	0	1	0.00	0.00
15q#184838_184857	15	87972150-88072404	100255	C15orf42, KIF7, BC042063, PLIN, PEX11A, LOC56964	0	1	0.00	0.00
15q#184893_184896	15	88281626-88335707	54082		0	1	0.00	0.00
12p#151338_151472	12	6147978-6962887	814910	PR92, ACRBP, ING4, ZNF384, C12orf53, COPS7A, MLF	0	1	0.00	0.00
15q#184239_184312	15	81382087-81990873	608787	AK090925, C15orf40, BTBD1, TM6SF1, BC063487, HDG	0	1	0.00	0.00
15q#184372_184385	15	82520515-82907368	386854	AK095617, KIAA1920, FLJ43276	0	1	0.00	0.00
3p#45377_45380	3	88411079-88480006	68928		0	1	0.00	0.00
3p#45391_45402	3	88750831-88905096	154266	M19503	0	1	0.00	0.00
19q#209906_209940	19	42744320-43130070	385751	FLJ37549, ZNF607, ZNF573, AK055483, BC042630, AK	0.692294348	1	0.02	0.02
12q#155654_155673	12	54785155-54887875	102721	41, ZC3H10, AY583020, FAM62A, MYL6B, MYL6, SMAF	0	1	0.00	0.00
12q#155681_155805	12	54926480-55803159	876680	S2, RBMS2, BAZ2A, ATP5B, PTGES3, NACA, PRIM1, A	0	1	0.00	0.00
12q#155823_155847	12	55923500-56117429	193930	STAC3, R3HDM2, AB023219, INHBC	0	1	0.00	0.00
12p#150861_150930	12	1416482-2023638	607157	090616, FBXL14, WNT5B, ADIPOR2, CACNA2D4, AK05	0	1	0.00	0.00
12p#151040_151079	12	2993823-3393633	399811	TEAD4, TSPAN9	0	1	0.00	0.00
15q#184858_184892	15	88077463-88274707	197245	964, MESP1, AL360139, ANPER, AB209918, AP3S2, C	0	1	0.00	0.00
15q#185097_185134	15	89895360-90375207	479848	SLCO3A1	Inf	1	0.02	0.00
15q#185271_185315	15	91690810-92318920	628111	AK094352, BC037497, BC021741, BC043440	Inf	1	0.02	0.00
15q#185487_185503	15	95306288-95510952	204665		0	1	0.00	0.00
15q#185545_185550	15	96071751-96128121	56371	AK025311	0	1	0.00	0.00
15q#185569_185576	15	96320259-96414101	93843		0	1	0.00	0.00
6p#81692_81700	6	10502579-10540510	37932	TFAP2A, C6orf218	0	1	0.00	0.00
19q#209941_209953	19	43140503-43253113	112611	SIPA1L3	0.692294348	1	0.02	0.02
3p#39932_39937	3	23023235-23165458	142224		0	1	0.00	0.00
15q#185028_185042	15	89275790-89332521	56732	UNC45A, AK128480, RCCD1, PRC1	0	1	0.00	0.00
15q#185083_185096	15	89649508-89878126	228619	BC036442	0	1	0.00	0.00
3p#39938_39972	3	23189928-23486947	297020	UBE2E2	0	1	0.00	0.00
15q#180691_180695	15	48427090-48461038	33949	GABPB2, BC035091	0	1	0.00	0.00

3p#39973_40073	3	23498573-24520259	1021687	E2E2, UBE2E1, NKIRAS1, RPL15, AK027749, NR1D2, T	0	1	0.00	0.00
3p#40083_40298	3	24798976-28023373	3224398	TOP2B, AL832748, NGLY1, OXSM, LRRC3B, NEK10, A	0	1	0.00	0.00
3p#40391_40401	3	29442425-29543497	101073	RBMS3	0	1	0.00	0.00
15q#185023_185025	15	89257070-89264084	7015	MAN2A2	0	1	0.00	0.00
15q#185551_185568	15	96148316-96315964	167649	AK025311, BC039335, AK093364, ARRDCA	0	1	0.00	0.00
15q#185577_185599	15	96430271-96698799	268529		0	1	0.00	0.00
3p#39723_39765	3	19280670-19936394	655725	KCNH8, EFHB	0	1	0.00	0.00
3p#39766_39780	3	19943617-20071006	127390	EFHB, AK122616, RAB5A, C3orf48, PCAF	0	1	0.00	0.00
3p#39781_39782	3	20080974-20088870	7897	PCAF	0	1	0.00	0.00
3p#39828_39931	3	21254283-23010257	1755975	ZNF659	0	1	0.00	0.00
3p#40074_40082	3	24543616-24782115	238500		0	1	0.00	0.00
15q#185026_185027	15	89266769-89269223	2455	MAN2A2	0	1	0.00	0.00
15q#185043_185082	15	89336878-89638623	301746	PRC1, VPS33B, CR612485, BC030011, SV2B	0	1	0.00	0.00
19q#211471_211488	19	55910291-56022970	112680	CLEC11A, BC066878, GPR32, ACPT, MGC13170, KLK	0	1	0.00	0.00
16q#189218_189225	16	45965768-46054149	88382	ITFG1, PHKB	Inf	1	0.02	0.00
15q#183031_183043	15	70227125-70312500	85376	GRAMD2, PKM2	Inf	1	0.02	0.00
15q#183048_183104	15	70341220-70794744	453525	BC034424, HEXA, C15orf34, AK131033, ARIH1, AK0946	0	1	0.00	0.00
15q#183168_183212	15	71490925-71902731	411807	AK131030, NPTN, CD276, LOC388135	0	1	0.00	0.00
15q#182154_182162	15	62610217-62694062	83846	ZNF609	0	1	0.00	0.00
15q#182243_182254	15	63222530-63286062	63533	AL136922, CLPX, CILP	0	1	0.00	0.00
15q#183044_183047	15	70321478-70335859	14382	PARP6	0	1	0.00	0.00
15q#181769_181807	15	59056760-59377223	320464	RORA	0	1	0.00	0.00
15q#181808_181826	15	59403819-59764921	361103		Inf	1	0.02	0.00
5q#75912_75931	5	125910477-126074965	164489	ALDH7A1, RNUXA, FLJ27505	0	1	0.00	0.00
15q#181864_181894	15	60137384-60386372	248989	VPS13C, BC034325, BC031230, FLJ38723	Inf	1	0.02	0.00
15q#181907_181971	15	60658910-61221072	562163	BC014404, TLN2, BC038556, TPM1, LACTB	Inf	1	0.02	0.00
15q#182010_182035	15	61586848-61778154	191307	USP3, BC036918, FBXL22, HERC1	Inf	1	0.02	0.00
15q#182108_182153	15	62257649-62602442	344794	CSNK1G1, BC062995, KIAA0101, TRIP4, ZNF609	0	1	0.00	0.00
15q#182163_182242	15	62699950-63215326	515377	KHQ1, AK022288, ANKDD1A, SPG21, MTFMT, AK12960	0	1	0.00	0.00
15q#182255_182403	15	63293635-64420831	1127197	PTPLAD1, AK074898, C15orf44, AJ271091, SLC24A1,	0	1	0.00	0.00
15q#182404_182444	15	64426078-64638798	212721	FLJ20516, MAP2K1, SNAPC5, RPL4, ZWILCH, LCTL	Inf	1	0.02	0.00
15q#182829_182837	15	68469151-68582581	113431		Inf	1	0.02	0.00
15q#182839_182848	15	68636839-68757615	120777	UACA	0	1	0.00	0.00
15q#183464_183469	15	73729296-73754412	25117	SH3PX3, CSPG4	0	1	0.00	0.00
15q#183476_183481	15	73806962-7383248	26287	ODF3L1, AK091244	0	1	0.00	0.00
15q#183470_183475	15	73759409-73798021	38613	CSPG4	0	1	0.00	0.00
5q#78226_78296	5	149481646-150001516	519871	7, CAMK2A, ARSI, TCOF1, CD74, RPS14, AB209107, NA	0	1	0.00	0.00
5q#78303_78305	5	150024112-150035955	11844	MYOZ3	0	1	0.00	0.00
5q#78397_78434	5	150905600-151244467	338868	FAT2, SPARC, ATOX1, G3BP, GLRA1	0	1	0.00	0.00
5q#78443_78468	5	151359087-151761182	402096	AK001582, NMUR2	0	1	0.00	0.00
11p#142511_142525	11	37398955-37931830	532876		0	1	0.00	0.00
11p#142554_142560	11	38970414-39157437	187024		0	1	0.00	0.00
15q#181711_181768	15	58634705-59050590	415886	RORA	0	1	0.00	0.00
15q#181972_182009	15	61227897-61573891	345995	RPS27L, RAB8B, APH1B, CA12	Inf	1	0.02	0.00
15q#182036_182045	15	61786042-61854222	68181	HERC1	Inf	1	0.02	0.00
15q#182105_182107	15	62237349-62249479	12131	PPIB, CSNK1G1	0	1	0.00	0.00
15q#182682_182697	15	66821938-66944818	122881	ANF32A, BC017035	0	1	0.00	0.00
15q#182748_182828	15	67349004-68430052	1081049	PAQR5, AK056793, KIF23, RPLP1, BC104434, BC06458	0	1	0.00	0.00
15q#183482_183485	15	73838850-73871097	32248	AK123063	0	1	0.00	0.00
5q#78469_78600	5	151765456-153694397	1928942	AK092848, AK123816, GRIA1, C5orf3, MFAP3, GALNT10	0	1	0.00	0.00
15q#181475_181482	15	56475442-56538535	63094	LIPC	0	1	0.00	0.00
15q#181676_181687	15	58245452-58440569	195118	ANXA2	Inf	1	0.02	0.00
15q#181688_181710	15	58448890-58624321	175432	ANXA2, NARG2, BC035094, RORA	0	1	0.00	0.00
5q#77190_77231	5	139005532-13940810	395279	CXXC5, PSD2, NRG2	0	1	0.00	0.00
5q#78297_78302	5	150008360-150021167	12808	SYNPO, AB028952, MYOZ3	0	1	0.00	0.00

15q#181483_181536	15	56544047-56908032	363986	LIPC, ADAM10, FAM63B	0	1	0.00	0.00
15q#181629_181675	15	57649796-58230556	580761	GCNT3, GTF2A2, BNIP2, G36793	Inf	1	0.02	0.00
1p#10131_10135	1	117487371-117584853	97483		0	1	0.00	0.00
1p#10136_10151	1	117601968-117770928	168961	MAN1A2	0	1	0.00	0.00
20q#214735_214741	20	28080970-28250181	169212	AK127732, MGC72104, BC095491	0	1	0.00	0.00
14q#177079_177093	14	99643257-99710232	66976	EVL, DEGS2	0	1	0.00	0.00
14q#177066_177078	14	99547704-99640981	93278	BC023997, EVL	0	1	0.00	0.00
14q#177573_177585	14	103624011-103666855	42845	AX781433	0	1	0.00	0.00
14q#177599_177616	14	103741120-103886117	144998		0	1	0.00	0.00
14q#177586_177598	14	103670841-103735961	65121	AB033062	0	1	0.00	0.00
14q#177846_177847	14	105515561-105524742	9182	LOC652848	0	1	0.00	0.00
14q#177850_177853	14	105556724-105584067	27344	LOC652848	0	1	0.00	0.00
14q#170038_170041	14	21470699-21498498	27800	BC063432	0	1	0.00	0.00
5q#79826_79841	5	170536801-170659645	122845	RANBP17	0	1	0.00	0.00
5q#79876_79940	5	171195362-171772120	576759	FBXW11, STK10, DC-Ubp, FLJ40453, SH3PXD2B	0	1	0.00	0.00
5q#80022_80073	5	172626082-173386370	760289	557, AF098462, STC2, FAM44B, AK074818, CPEB4, BC	0	1	0.00	0.00
14q#170043_170048	14	21511829-21545453	33625	BC063432	0	1	0.00	0.00
3p#38047_38082	3	559911-1042716	482806	AK126307	0	1	0.00	0.00
11q#144736_144740	11	65286084-65310979	24896	AK126210, DKFZp761E198	Inf	1	0.02	0.00
11q#144677_144683	11	64865766-64902415	36650	DPF2, TIGD3, AF334946, LOC283130	0	1	0.00	0.00
3p#38083_38094	3	1054150-1113964	59815	CNTN6	0	1	0.00	0.00
19q#212214_212285	19	61688939-62404717	715779	5720, AK130356, ZNF71, AK128767, AK095199, BC3729	0.692294348	1	0.02	0.02
3q#46149_46151	3	103086405-103128511	42107		0	1	0.00	0.00
3p#38103_38117	3	1197913-1322352	124440	CNTN6	0	1	0.00	0.00
3p#38126_38156	3	1402460-1815338	412879	CNTN6	Inf	1	0.02	0.00
3p#38178_38182	3	2103988-2144210	40223	CNTN4	0	1	0.00	0.00
3p#39225_39364	3	13664555-15092284	1427730	43, XPC, LSM3, SLC6A6, AB051506, C3orf19, C3orf20,	Inf	1	0.02	0.00
15q#185238_185252	15	91316084-91430545	114462	CHD2, BX37626, RGMA	0	1	0.00	0.00
3p#39408_39409	3	15496109-15505804	9696	COLQ	0	1	0.00	0.00
19q#211343_211367	19	54832128-54963694	131567	AS, SR-A1, IRF3, BCL2L12, PRMT1, CPT1C, TSKS, AP4	0	1	0.00	0.00
3p#38095_38102	3	1120284-1189966	68683	CNTN6	0	1	0.00	0.00
3p#39172_39181	3	12956535-13103787	147253	IQSEC1, BC010267	Inf	1	0.02	0.00
3p#39187_39224	3	13295807-13654801	358995	NUP210, HDAC11, FBLN2	Inf	1	0.02	0.00
3p#39365_39407	3	15101485-15490058	388574	CAPN7, SH3BP5, AK027185, METTL6, EAF1, AK1304	0	1	0.00	0.00
15q#185253_185265	15	91450198-91590294	140097		0	1	0.00	0.00
19q#212100_212123	19	60680203-60828676	148474	ZNF628, KLP1, AK092577, ZNF579, FLJ14768, ZNF524	0.692294348	1	0.02	0.02
19q#212476_212485	19	63752020-63784382	32363	TRIM28, CHMP2A, UBE2M, ZNF42, MGC2752	0	1	0.00	0.00
11q#146315_146317	11	81830836-81872281	41446		Inf	1	0.02	0.00
3p#38019_38046	3	287038-546326	259289	CHL1	0	1	0.00	0.00
3p#38382_38387	3	4226329-4279040	52712	AY358092	0	1	0.00	0.00
3p#38183_38201	3	2153981-2317911	163931	CNTN4	0	1	0.00	0.00
3p#38202_38210	3	2329154-2397360	68207	CNTN4	Inf	1	0.02	0.00
3p#38285_38381	3	3074347-4214956	1140610	TN4, IL5RA, TRNT1, CRBN, AK095224, LRRN1, AY358	0	1	0.00	0.00
3p#38388_38394	3	4287755-4329762	42008	AY358092, SETMAR	0	1	0.00	0.00
3p#38452_38464	3	4850140-5001555	151416	ITPR1, AK056892, BHLHB2	Inf	1	0.02	0.00
3p#38465_38518	3	5005941-6100196	1094256	ARL8B, EDEM1	0	1	0.00	0.00
11q#144684_144690	11	64905918-64948867	42950	LOC283130, FKSG44, CR591879	0	1	0.00	0.00
3p#38395_38422	3	4331005-4574567	243563	SETMAR, AY358092, SUMF1, ITPR1	0	1	0.00	0.00
3p#38423_38451	3	4586208-4844174	257967	ITPR1	Inf	1	0.02	0.00
3p#38713_38731	3	8731396-8907146	175751	AK093066, CAV3, OXTR, RAD18	Inf	1	0.02	0.00
11q#144727_144735	11	65216604-65265522	48919	HTATIP	0	1	0.00	0.00
11q#144742_144743	11	65323370-65328587	5218		Inf	1	0.02	0.00
3p#38118_38125	3	1331952-1389673	57722	CNTN6	0	1	0.00	0.00
3p#38157_38158	3	1830073-1840696	10624		Inf	1	0.02	0.00
3p#38159_38177	3	1852985-2093731	240747		0	1	0.00	0.00

3p#38211_38216	3	2407891-2453905	46015	CNTN4	Inf	1	0.02	0.00
3p#38217_38284	3	2463369-3065426	602058	CNTN4	0	1	0.00	0.00
11q#144699_144707	11	65038987-65090252	51266	SCYL1, LTBP3, AF147366	0	1	0.00	0.00
3p#38871_38950	3	10022312-10736870	714559	#10, VHL, IRAK2, TATDN2, C3orf42, GHRL, SEC13L1, A	Inf	1	0.02	0.00
3p#38951_38960	3	10767962-10866024	98063	SLC6A11	0	1	0.00	0.00
3p#38961_39160	3	10873747-12844832	1971086	ATG7, AL122075, VGLL4, C3orf31, SYN2, PPARG, TSE1	Inf	1	0.02	0.00
11q#144708_144724	11	65094963-65186463	91501	C083510, KCNK7, MAP3K11, AK026080, BX640978, SIF	0	1	0.00	0.00
3p#39161_39171	3	12849624-12951270	101647	AB014567, RPL32, IQSEC1	Inf	1	0.02	0.00
3p#39182_39186	3	13129410-13253689	124280		Inf	1	0.02	0.00
14q#177823_177825	14	105343150-105354945	11796	LOC652848	0	1	0.00	0.00
14q#177820_177822	14	105314254-105330970	16717	LOC652848	0	1	0.00	0.00
20p#213090_213150	20	5069049-5835407	766359	K123831, PROKR2, BC048109, AB037855, KIAA1434, F	0	1	0.00	0.00
20p#213151_213208	20	5840960-6620249	779290	GI-09, MCM8, CRLS1, C20orf75, BC019703, C20orf42, I	0	1	0.00	0.00
20p#213218_213300	20	6747437-8289753	1542317	C038533, BC039538, BC043288, HAO1, TXNDC13, PLC	0	1	0.00	0.00
20p#213349_213418	20	8738791-9402441	663651	PLCB1, AL137267, PLCB4	0	1	0.00	0.00
20p#213425_213573	20	9446826-11427828	1981003	K124961, ANKRD5, SNAP25, AK054772, MKKS, C20orf	0	1	0.00	0.00
3p#38546_38643	3	6694025-7658789	964765	AF279782, GRM7	0	1	0.00	0.00
5p#69010_69013	5	22009305-22038434	29130	CDH12	0	1	0.00	0.00
3p#38856_38861	3	9933034-9959504	26471	IL17RE, IL17RC, CRELD1	0	1	0.00	0.00
20p#214723_214724	20	25680495-25821124	140630		0	1	0.00	0.00
3q#51337_51372	3	169007766-169624306	616541	SERPINI1, BC043538, GOLPH4	0	1	0.00	0.00
20p#212486_212492	20	8747-57322	48576	DEFB125	0	1	0.00	0.00
20p#212868_212895	20	3166415-3429831	263417	AK091157, AL110249, ATRN	0	1	0.00	0.00
14q#177814_177817	14	105239424-105280567	41144	S55096, LOC652848	0	1	0.00	0.00
14q#177800_177801	14	105082760-105105366	22607	S55096	0	1	0.00	0.00
5p#67801_67805	5	4186850-4253625	66776		0	1	0.00	0.00
5p#67795_67800	5	4104060-4169806	65747		0	1	0.00	0.00
5p#68913_68935	5	20252370-20709857	457488	AK093362	0	1	0.00	0.00
5p#69018_69028	5	22098641-22192403	93763	CDH12	0	1	0.00	0.00
5p#69068_69103	5	22570449-22897097	326649	CDH12	0	1	0.00	0.00
5p#67788_67794	5	3998941-4092634	93694		0	1	0.00	0.00
3q#53477_53484	3	194684380-194750504	66125	ATP13A4	0	1	0.00	0.00
16p#189112_189117	16	34878278-35005009	126732	BC016176	1.398928118	1	0.03	0.02
16p#189106_189109	16	34685270-34739434	54165		1.398928118	1	0.03	0.02
16p#189110_189111	16	34814342-34847384	33043	AK129756	1.398928118	1	0.03	0.02
16p#189096_189104	16	34397154-34605089	207936	BC038774	1.398928118	1	0.03	0.02
1q#15435_15444	1	199636069-199709450	73382	AF093822, ADIPOR1, CYB5R1, C1orf37	0.686886232	1	0.03	0.05
1q#16031_16053	1	205316497-205990639	674143	AK091113	1.044194198	1	0.05	0.05
1q#12152_12174	1	158392593-158528831	136239	FCRLM1, FCRLM2, DUSP12, ATF6	Inf	1	0.02	0.00
1q#12185_12197	1	158624841-158747388	122548	ATF6, OLFML2B	Inf	1	0.02	0.00
1q#12289_12532	1	159711883-163223760	3511878	RXRG, AK093132, LRRC52, MGST3, ALDH9A1, TMCO1	Inf	1	0.02	0.00
1q#12105_12106	1	158080538-158088293	7756	MPZ	Inf	1	0.02	0.00
1q#10714_10768	1	147528905-147904004	375100	LASS2, ANXA9, FAM63A, PRUNE, BNIPL, C1orf56, CD	Inf	1	0.02	0.00
1q#10835_10849	1	148359750-148482711	122962	TUFT1, SNX27	Inf	1	0.02	0.00
1q#11099_11100	1	150260693-150281204	20512		Inf	1	0.02	0.00
1q#15280_15303	1	198241513-198504513	263001	NAV1	1.398928118	1	0.03	0.02
1q#15498_15507	1	200101162-200201836	100675	PRELP, OPTC	0.921973749	1	0.07	0.07
1q#10575_10577	1	145820605-145870779	50175		Inf	1	0.02	0.00
1q#10366_10367	1	141522171-141527841	5671		0	1	0.00	0.00
1q#12731_12799	1	165100386-165948360	847975	2, AF085892, XCL1, DPT, BC009319, BC041008, ATP1E	1.398928118	1	0.03	0.02
1q#10995_10998	1	149561702-149573854	12153	LCE1E	0.692294348	1	0.02	0.02
1q#11520_11529	1	153229444-153318916	89473	MEF2D, IQGAP3	Inf	1	0.02	0.00
1q#12533_12669	1	163243055-164546441	1303387	AY726559, C1orf32, MAEL, GPA33, POU2F1, BC03786	Inf	1	0.02	0.00
1q#10967_10969	1	149399307-149408229	8923		Inf	1	0.02	0.00
1q#11613_11623	1	153893892-153984201	90310	L16464, ETV3	Inf	1	0.02	0.00

1q#11417_11444	1	152521242-152730093	208852	GON4L, AY335491, SYT11, AK026178, RIT1, KIAA0907,	Inf	1	0.02	0.00
9q#122526_122544	9	77696407-77863786	167380	GNAQ	0	1	0.00	0.00
9q#122711_122732	9	81415573-81643318	227746	TLE1, BC036431	0	1	0.00	0.00
9q#122502_122525	9	77461686-77686271	224586	GNA14, GNAQ	0	1	0.00	0.00
9q#122545_122681	9	77869915-80557630	2687716	GNAQ, AK022705, PSAT1, TLE4	0	1	0.00	0.00
9q#122733_122794	9	81668283-82965248	1296966	AK128229, AK097447, FLJ46321, AK056882, RASEF	0	1	0.00	0.00
9q#122701_122710	9	81097930-81398846	300917		0	1	0.00	0.00
9q#122405_122434	9	76434030-76708191	274162	KIAA0367, AF103907, AK094553, C9orf65	0	1	0.00	0.00
9q#122462_122500	9	77082534-77450850	368317	VPS13A, GNA14	0	1	0.00	0.00
16q#191235_191250	16	70704304-70961172	256889	PMFBP1	0	1	0.00	0.00
9q#121763_122395	9	68721193-76284769	7563577	2, C9orf77, C9orf85, AK057071, BC028019, GDA, AK095	0	1	0.00	0.00
9q#122682_122700	9	80581153-81099809	488657		0	1	0.00	0.00
9q#122795_122819	9	82997132-83277751	280620	FRMD3	0	1	0.00	0.00
9p#120353_120364	9	21593915-21845173	251259	MTAP	Inf	1	0.02	0.00
9p#120527_120528	9	25114915-25144737	29823		Inf	1	0.02	0.00
16q#191949_192034	16	79691939-80533657	841719	PKD1L2, BCMO1, GAN, AK095707, CMIP, PLCG2	0	1	0.00	0.00
16q#190217_190219	16	58271139-58334813	63675		0	1	0.00	0.00
16q#191319_191332	16	71874680-72107153	232474	G49380	0	1	0.00	0.00
16q#189571_189577	16	51030184-51072073	41890	AK095095, AK027006	0	1	0.00	0.00
16q#189578_189594	16	51094101-51357643	263543	BC029912	0	1	0.00	0.00
9p#120170_120198	9	20111574-20484726	373153	MLLT3	Inf	1	0.02	0.00
16q#189547_189554	16	50341282-50593012	251731		Inf	1	0.02	0.00
16q#189561_189570	16	50811587-51021205	209619		0	1	0.00	0.00
16q#189595_189601	16	51377300-51623471	246172		0	1	0.00	0.00
16q#189602_189610	16	51636895-51724608	87714	CHD9	0	1	0.00	0.00
16q#190054_190076	16	56335210-56546133	210924	KATNB1, KIFC3, AK091891, CNGB1	0	1	0.00	0.00
16q#191123_191128	16	69802567-69854629	52063	HYDIN	0	1	0.00	0.00
16q#191042_191051	16	69099803-69172675	72873	COG4, SF3B3, D13642	0	1	0.00	0.00
9q#121721_121762	9	68335269-68715791	380523	PGM5, C9orf71, BC039548, PIP5K1B	0	1	0.00	0.00
9q#122396_122404	9	76303218-76395427	92210	AY196293, GCNT1	0	1	0.00	0.00
9q#122435_122455	9	76715510-77016903	301394	C9orf65	0	1	0.00	0.00
9q#122820_122976	9	83283586-85210249	1926664	AX721189, GKAP1, KIF27, C9orf64, HNRPK, C9orf76, 4	0	1	0.00	0.00
9q#122996_123043	9	85469221-85960950	491730	AGTPBP1, CR613032, MAK10, GOLPH2	0	1	0.00	0.00
14q#175490_175644	14	79818841-81354774	1535934	C14orf145, BX248746, TSHR, GTF2A1, AB208948, STC	0	1	0.00	0.00
14q#175662_175663	14	81764223-81792184	27962		0	1	0.00	0.00
14q#175748_175792	14	84349641-85211757	862117	AK131026, BX248253, FLRT2	0	1	0.00	0.00
9p#120043_120050	9	18698744-18794207	95464	ADAMTSL1, BX640951	Inf	1	0.02	0.00
9p#120051_120061	9	18810734-18899663	88930	BX640951, C9orf94	Inf	1	0.02	0.00
9p#120161_120169	9	19917491-20096994	169504	AK123856	Inf	1	0.02	0.00
9p#120266_120272	9	20992866-21036817	43952	BC114215, PTPLAD2	Inf	1	0.02	0.00
9p#120529_120530	9	25195505-25217305	21801		Inf	1	0.02	0.00
9p#120857_120866	9	30414069-30542394	128326	BC022036	0	1	0.00	0.00
9p#120365_120367	9	21853204-21875202	21999	MTAP, AF109294	Inf	1	0.02	0.00
9p#120368_120488	9	21892814-23843451	1950638	KN2A, CDKN2B, DMRTA1, AK092601, CR627240, BC04	Inf	1	0.02	0.00
9p#120501_120503	9	24197831-24279720	81890		Inf	1	0.02	0.00
16q#191753_191806	16	77037460-77515188	477729	WWOX	0	1	0.00	0.00
16q#191875_191948	16	78706903-79684607	977705	02, C16orf61, C16orf60, AK023669, AK026313, ASCIZ, 4	0	1	0.00	0.00
16q#192035_192050	16	80540935-80638418	97484	PLCG2, AK026740, HSPC105, HSD17B2	0	1	0.00	0.00
16q#189835_189848	16	54522053-54797266	275214	BC035113, GNAO1	0	1	0.00	0.00
16q#190078_190094	16	56561057-56658286	97230	CNGB1, TEPP, ZNF319, C16orf57, MMP15	0	1	0.00	0.00
16q#190155_190216	16	57203733-58249386	1045654	CNOT1, FLJ10815, AK098376, GOT2, FLJ32951	0	1	0.00	0.00
16q#191251_191318	16	70993343-71838087	844745	AK095618, AK021563, ATBF1, D10250, L32833, C16orf4	0	1	0.00	0.00
16q#191333_191392	16	72120686-72917613	796928	G49380, BC043527, PSMD7, AK125450	0	1	0.00	0.00
16q#191400_191490	16	73043507-73901752	858246	DR59, ZNRF1, LDHD, AF344192, ZFP1, BC064604, CTF	0	1	0.00	0.00
16q#189186_189193	16	45626287-45720105	93819	NETO2	0	1	0.00	0.00

16q#189535_189540	16	49972555-50174979	202425							1	0.02	0.00
16q#189556_189560	16	50646895-50773917	127023							1	0.00	0.00
16q#191516_191521	16	74095899-74132960	37062							1	0.00	0.00
16q#190010_190053	16	56005735-56328747	323013							1	0.00	0.00
6q#88724_88758	6	101144325-101482776	338452							1	0.00	0.00
16q#189923_189930	16	55339610-55399104	59495							1	0.00	0.00
9q#121714_121720	9	68272869-68325334	52466							1	0.00	0.00
14q#175174_175199	14	76989314-77144770	155457							1	0.00	0.00
14q#175275_175284	14	77883181-77960406	77226							1	0.00	0.00
14q#175345_175351	14	78437201-78486598	49398							1	0.00	0.00
14q#175378_175385	14	78694291-78748242	53952							1	0.00	0.00
14q#175394_175402	14	78823911-78884276	60366							1	0.00	0.00
14q#175469_175489	14	79429312-79806473	377162							1	0.00	0.00
14q#175681_175735	14	82302141-83957896	1655756							1	0.00	0.00
14q#175992_176084	14	88532064-89456082	924019							1	0.00	0.00
14q#176101_176202	14	89579338-90430524	851187							1	0.00	0.00
9q#123912_123964	9	96288053-96886888	600636							1	0.00	0.00
9q#124030_124075	9	97535556-97959791	424236							1	0.00	0.00
9q#124117_124135	9	98340480-98489796	149317							1	0.00	0.00
9p#119725_119728	9	14733756-14765819	32064							1	0.00	0.00
9p#119938_119948	9	17225697-17339655	113959							1	0.02	0.00
9p#120039_120042	9	18665838-18689161	23324							1	0.02	0.00
16q#189811_189823	16	54285485-54379893	94409							1	0.00	0.00
16q#189849_189875	16	54807495-55038062	230568							1	0.00	0.00
9p#119729_119733	9	14782811-14814781	31971							1	0.00	0.00
9p#119857_119882	9	16246409-16581104	334696							1	0.00	0.00
16q#190095_190154	16	56672583-57195520	522938							1	0.00	0.00
16q#192051_192117	16	80645052-81559410	914359							1	0.00	0.00
16q#192211_192226	16	82393524-82524646	131123							1	0.00	0.00
6q#88713_88723	6	101028583-101131946	103364							1	0.00	0.00
16q#189920_189922	16	55306393-55328422	22030							1	0.00	0.00
14q#176904_176939	14	97159995-98006092	846098							1	0.00	0.00
16q#189194_189208	16	45725774-45850158	124385							1	0.00	0.00
16q#189209_189217	16	45867161-45957367	90207							1	0.02	0.00
9q#123044_123188	9	85968785-87868655	1899871							1	0.00	0.00
16q#189531_189534	16	49837540-49929631	92092							1	0.02	0.00
16q#189177_189185	16	45529748-45607583	77836							1	0.00	0.00
16q#189760_189766	16	53660997-53856343	195347							1	0.00	0.00
9p#120062_120073	9	18906666-19025066	118401							1	0.02	0.00
9p#120122_120130	9	19460403-19554332	93930							1	0.02	0.00
9p#120531_120564	9	25249013-26060380	811368							1	0.02	0.00
9p#120728_120754	9	28088731-28335831	247101							1	0.02	0.00
9p#120854_120856	9	30347226-30392301	45076							1	0.00	0.00
9p#120867_120889	9	30556050-31094204	538155							1	0.00	0.00
16q#190950_190967	16	68217814-68351471	133658							1	0.00	0.00
16q#189931_190009	16	55410019-55998732	588714							1	0.00	0.00
16q#191118_191121	16	69763173-69784808	21636							1	0.00	0.00
14q#174987_175004	14	75281559-75422384	140826							1	0.00	0.00
14q#175012_175094	14	75490479-76393534	903056							1	0.00	0.00
14q#175285_175306	14	77974180-78136463	162284							1	0.00	0.00
14q#175352_175377	14	78493278-78688387	195110							1	0.00	0.00
14q#175386_175393	14	78756252-78816279	60028							1	0.00	0.00
14q#175403_175468	14	78890120-79417372	527253							1	0.00	0.00
14q#176224_176426	14	90618685-92371688	1753004							1	0.00	0.00
9p#120019_120038	9	18464451-18656103	191653							1	0.02	0.00

9p#120890	120891	9	31134867-31181597	46731			0	1	0.00	0.00
9p#120906	120915	9	31485367-31597658	11292	AK124280		Inf	1	0.02	0.00
9q#121707	121708	9	67935857-67953563	17707	FOXDL4, CBWD5		0	1	0.00	0.00
9q#123584	123587	9	92805464-92819130	13667	BC032429, FGD3		0	1	0.00	0.00
9q#123861	123911	9	95765109-96276488	511380	33, C9orf102, BC033161, BC064972, AK055173, HSD17A		0	1	0.00	0.00
9q#123965	123999	9	96894382-97283617	389236	67289, AK098764, KIAA1529, CR627453, AL833510, TD		0	1	0.00	0.00
9q#124001	124029	9	97302445-97531356	228912	TDRD7, BC002660, TMOD1, C9orf97, NCBP1, XPA		0	1	0.00	0.00
9q#124076	124091	9	97966373-98105714	139342	CORO2A, TBC1D2		0	1	0.00	0.00
9q#124092	124116	9	98113935-98332173	218239	GABBR2		0	1	0.00	0.00
9q#124136	124189	9	98495177-99002314	507138	R2, ANKS6, GALNT12, AK024865, COL15A1, L25286, T		0	1	0.00	0.00
9q#124190	124337	9	99010150-100832289	1822140	3030723, STX17, TXNDC4, INVS, TEX10, BC042955, C9		0	1	0.00	0.00
16q#189876	189919	16	55044728-55296231	251504	2291, MT4, MT3, MT2A, MT1E, MT1A, MTM, MT1B, MT1		0	1	0.00	0.00
9p#119702	119724	9	14532081-14727314	195234	AF161360, ZDHHC21, CER1, FREM1		0	1	0.00	0.00
9p#119828	119856	9	15802255-16220845	418591	C9orf93, AL832443		0	1	0.00	0.00
9p#119935	119937	9	17199790-17215074	15285	BX647069		0	1	0.00	0.00
9p#119949	119998	9	17347695-17841118	493424	C9orf39, SH3GL2		Inf	1	0.02	0.00
16q#192227	192228	16	82529798-82536297	6500			0	1	0.00	0.00
16q#192235	192265	16	82579676-82791172	211497	2, MBTPS1, HSDL1, LRRC50, TAF1C, AK131102, LOC		0	1	0.00	0.00
18p#200897	200953	18	2978796-3437318	458523	LPIN2, MYOM1, AK093324, MRCL3, MRLC2, TGIF		0	1	0.00	0.00
16q#189173	189176	16	45495024-45518303	23280	GPT2		0	1	0.00	0.00
13q#165558	165570	13	56986013-57144494	158482	PCDH17		0	1	0.00	0.00
16q#189340	189341	16	47641974-47668570	26597			Inf	1	0.02	0.00
16q#189342	189360	16	47717059-47959059	242001	CBLN1, AK126710, AK128747		Inf	1	0.02	0.00
16q#189361	189363	16	47965351-47983789	18439	MGC33367		Inf	1	0.02	0.00
16q#189519	189530	16	49675725-49819137	143413	SALL1		Inf	1	0.02	0.00
9q#123189	123195	9	87904244-88032966	128723	AK124340		0	1	0.00	0.00
14q#174762	174779	14	73523590-73634342	110753	ENTPD5, BC044808, C14orf45, ALDH6A1, C14orf46		0	1	0.00	0.00
14q#175099	175113	14	76431158-76567506	136349	C14orf4		0	1	0.00	0.00
14q#175114	175119	14	76571673-76615896	44224	AK092322, BC038792		0	1	0.00	0.00
14q#175120	175173	14	76615837-76977324	361488	TMEM63C, NGB, POMT2, GSTZ1, TMED8, C14orf174,		0	1	0.00	0.00
9p#119660	119699	9	14053079-14473349	420271	NFIB, AK131233		0	1	0.00	0.00
9p#119883	119920	9	16595000-17010153	415154	BNC2		0	1	0.00	0.00
16q#191393	191399	16	72933295-73030088	96794	BC037579, LOC348174		0	1	0.00	0.00
16q#192118	192210	16	81566970-82387333	820364	CDH13		0	1	0.00	0.00
11q#148311	148324	11	107430837-107552278	121442	CUL5, ACAT1, NPAT		0	1	0.00	0.00
13q#164107	164157	13	40355567-40760688	405122	3, ELF1, BX640798, WBP4, KBTBD6, AK056182, KBTBD		0	1	0.00	0.00
16q#189758	189759	16	53568790-53611847	43058			0	1	0.00	0.00
9p#120074	120098	9	19029291-19243114	213824	RRAGA, FAM29A, ADFP, AK094196		Inf	1	0.02	0.00
9p#120099	120121	9	19266977-19448857	181881	AK000693, DENND4C, RPS6, AF370405, ASAH3L		0	1	0.00	0.00
9p#120565	120571	9	26071304-26152174	80871	FLJ16323		Inf	1	0.02	0.00
12p#153279	153292	12	27306333-27444989	138657	STK38L, ARNTL2		0	1	0.00	0.00
11q#148922	148938	11	114691283-114824689	133407	IGSF4		0	1	0.00	0.00
11q#149115	149132	11	117258894-117410367	151474	TMPRSS13, IL17ORA, AB231754		0	1	0.00	0.00
9p#121670	121671	9	40500456-40503447	2992	BC031626, ZNF658		0	1	0.00	0.00
9p#120935	120936	9	32131856-32162666	30811			0	1	0.00	0.00
16q#192588	192590	16	86106793-86134578	27786			0	1	0.00	0.00
13q#163734	163748	13	36189294-36316736	127443	RFXAP, AK095147		0	1	0.00	0.00
13q#163751	163822	13	36337632-37151854	814223	766, ALG5, EXOSC8, FAM48A, CSNK1A1L, AK092066,		0	1	0.00	0.00
16q#189767	189779	16	53871524-54012327	140804	IRX6, AL832088		0	1	0.00	0.00
16q#189783	189785	16	5406694-54078204	17511	AL832088, MMP2		0	1	0.00	0.00
16q#189786	189810	16	54082846-54276705	193860	MMP2, AYTL1, BX641069, SLC6A2		0	1	0.00	0.00
9p#119308	119319	9	8321541-8426637	105097	PTPRD		Inf	1	0.02	0.00
9p#119329	119333	9	8501585-8543225	41641	PTPRD		Inf	1	0.02	0.00
9p#120016	120018	9	18421312-18456865	35554			Inf	1	0.02	0.00
9p#120892	120905	9	31208658-31463899	255242			0	1	0.00	0.00

9p#120916_120934	9	31605752-32084249	478498	AK124280	0	1	0.00	0.00
11p#139438_139453	11	2002204-2134075	131872	CR615897, DQ104205, IGF2, IGF2AS	0	1	0.00	0.00
16q#192229_192234	16	82540166-82572233	32068	OKL38, EFCBP2	0	1	0.00	0.00
16q#192266_192292	16	82798179-83008668	210490	KCNG4, WFDC1, BX648333, KIAA0703	0	1	0.00	0.00
18p#200815_200887	18	20959062-2890931	795026	TTTL4, KNTC2, BC006008, CR627458, AB014550, EMIL	0	1	0.00	0.00
18p#200894_200896	18	2959042-2972968	13927	LPIN2	0	1	0.00	0.00
16q#189136_189146	16	45210248-45282215	71968	SHCBP1, VPS35, ORC6L	0	1	0.00	0.00
16q#189147_189172	16	45283842-45481020	197179	ORC6L, MLCK, LOC388272, GPT2	0	1	0.00	0.00
11q#148225_148233	11	106361961-106512080	150120	GUCY1A2	0	1	0.00	0.00
11q#148244_148310	11	106729616-107415990	686375	2, ALKBH8, ELMOD1, SLN, SLC35F2, AK128062, RAB3	0	1	0.00	0.00
11q#148325_148345	11	107563991-107768905	204915	NPAT, ATM, C11orf65	0	1	0.00	0.00
11q#148352_148409	11	107848918-108447458	598541	KDEL2, EXPH5, AB014524, DDX10, AY662656	0	1	0.00	0.00
13q#165571_165585	13	57155074-57452720	297647	PCDH17	0	1	0.00	0.00
9q#123594_123610	9	92899302-92998221	98920	SUSD3, C9orf89, NINJ1	0	1	0.00	0.00
9p#119492_119521	9	10387996-11027444	639449	AB211400	0	1	0.00	0.00
9p#119653_119659	9	13832546-14015665	183120		0	1	0.00	0.00
9p#119700_119701	9	14496695-14513940	17246		0	1	0.00	0.00
9p#119921_119934	9	17032766-17185824	153059	CR623494, BX647069	0	1	0.00	0.00
13q#165481_165492	13	55073966-55385025	311060		0	1	0.00	0.00
13q#165500_165501	13	55574094-55598876	24783		0	1	0.00	0.00
13q#165515_165557	13	55885543-56946097	1060555	BC043197	0	1	0.00	0.00
11p#140274_140324	11	9024893-9456746	431854	SCUBE2, RAB6IP1, TMEM41B, IPO7, ZNF143	0	1	0.00	0.00
14q#174780_174793	14	73643704-73736057	92354	C14orf46, AK055422	0	1	0.00	0.00
14q#174794_174800	14	73745970-73789919	43950	CHX10	Inf	1	0.02	0.00
14q#174842_174860	14	74081165-74232998	151834	LTP2, KIAA0317	0	1	0.00	0.00
14q#174861_174986	14	74237320-75275305	1037986	1, PGF, EIF2B2, AK123455, MLH3, ACYP1, C14orf140,	0	1	0.00	0.00
14q#175095_175098	14	76401532-76423332	21801	C14orf166B	0	1	0.00	0.00
13q#163973_163983	13	38860327-38928126	67800	LHFP	0	1	0.00	0.00
13q#164029_164106	13	39280897-40344231	1063335	AY116215, AY116214, FOXO1A, MRPS31, SLC25A15,	0	1	0.00	0.00
16q#189780_189782	16	54022330-54048949	26620	AL832088	0	1	0.00	0.00
9q#123196_123330	9	88075873-89907163	1831291	K129921, SHC3, CKS2, SECISBP2, C9orf164, AK09080	0	1	0.00	0.00
9q#123375_123377	9	90615087-90637927	22841		0	1	0.00	0.00
9q#123529_123556	9	92281548-92530367	248820	RP11-19J3.3, IPPK, AF338194	0	1	0.00	0.00
9q#123557_123564	9	92551282-92609199	57918	AF338194, BICD2	0	1	0.00	0.00
9q#123747_123860	9	94507950-95757696	1249747	9orf3, FANCC, PTCH, AB189436, AF170307, LOC37574	0	1	0.00	0.00
9q#124338_124511	9	100847507-103208471	2360965	ALDOB, C9orf125, BC033550, RNF20, GRIN3A, BC038	0	1	0.00	0.00
9q#124623_124627	9	104889518-105049662	160145		0	1	0.00	0.00
11p#139633_139651	11	4116424-4403382	286959	RRM1, TRIM21	0	1	0.00	0.00
6q#88278_88281	6	92859798-92949118	89321		0	1	0.00	0.00
12p#153248_153278	12	26948220-27289478	341259	2orf11, FGFR1OP2, AL117608, TMTSF3, SURB7, STK3	0	1	0.00	0.00
12p#153293_153304	12	27460094-27574310	114217	ARNTL2, AF256215, BC043511, PPFIBP1	0	1	0.00	0.00
12p#153325_153327	12	27741774-27753481	11708	REP15	0	1	0.00	0.00
12p#153328_153333	12	27760469-27808436	47968	MRPS35	0	1	0.00	0.00
6q#93539_93541	6	163163589-163176852	13264	PACRG	0	1	0.00	0.00
13q#163749_163750	13	36320415-36325577	5163	SMAD9	0	1	0.00	0.00
13q#163823_163888	13	37160116-37984038	823923	TRPC4, CR627261, UFM1	0	1	0.00	0.00
13q#167810_167885	13	93832633-94503369	670737	DCT, TGDS, GPR180, BC063871, SOX21, AK055459, E	0	1	0.00	0.00
11q#148410_148458	11	108475868-109492437	1016570	LOC399947, AK095101	0	1	0.00	0.00
11q#148518_148533	11	110131657-110387630	255974		0	1	0.00	0.00
11q#148705_148830	11	112120611-113514392	1393782	2, ANKK1, DRD2, TMPRSS5, ZW10, USP28, HTR3B, H	0	1	0.00	0.00
11q#148844_148921	11	113641683-114680884	1039202	BC071695, C11orf71, RBM7, AB209753, REXO2, FAM	0	1	0.00	0.00
11q#148939_149114	11	114839357-117251488	2412132	2, BC039721, SIDT2, TAGLN, PCSK7, DKFZp547C195,	0	1	0.00	0.00
11q#149133_149281	11	117422097-118469869	1047773	G, UBE4A, ATP5L, AK126838, MLL, AF272378, TMEM2	0	1	0.00	0.00
11q#146782_146793	11	86857690-87165464	307775		0.692294348	1	0.02	0.00
13q#163245_163358	13	31320000-32191014	871015	035084, FRY, BRCA2, CG018, AL049787, LOC88523, P	0	1	0.00	0.00

13q#163724_163733	13	36043538-36176908	133371	LOC400120	0	1	0.00	0.00
11q#148182_148190	11	105824405-106063405	239001	AK022090, GUCY1A2	0	1	0.00	0.00
11q#148191_148202	11	106075469-106155356	79888	GUCY1A2	Inf	1	0.02	0.00
16q#189125_189127	16	45115167-45138443	23277	FLJ43980	Inf	1	0.02	0.00
16q#189128_189135	16	45145393-45199742	54350	FLJ43980, SHCBP1	0	1	0.00	0.00
9p#119156_119157	9	6089101-6132532	43432		Inf	1	0.02	0.00
9p#119300_119307	9	8084096-8307431	223336	PTPRD	Inf	1	0.02	0.00
9p#119334_119352	9	8556794-8699809	143016	PTPRD	Inf	1	0.02	0.00
11p#139507_139512	11	2729017-2790052	61036	KCNQ1	0	1	0.00	0.00
16q#192561_192587	16	85897636-86096935	199300	AK026130, FBXO31, MAP1LC3B, ZCCHC14	0	1	0.00	0.00
18p#200752_200770	18	1264754-1462313	197560	C18orf2, AK057505	0	1	0.00	0.00
13q#165475_165480	13	54876985-55035594	158610		0	1	0.00	0.00
13q#165586_165591	13	57484503-57628677	144175		0	1	0.00	0.00
9p#119320_119328	9	8435549-8494552	59004	PTPRD	Inf	1	0.02	0.00
9p#119353_119427	9	8708615-9487845	779231	PTPRD, AB211400	0	1	0.00	0.00
9p#119522_119584	9	11076096-12611421	1535326		0	1	0.00	0.00
9p#119621_119638	9	13152889-13342703	189815	MPDZ, AB210041	0	1	0.00	0.00
9p#119648_119652	9	13628428-13797331	168904		0	1	0.00	0.00
11p#139454_139468	11	2138247-2282963	144717	INS, TH, ASCL2, AB029488, TSPAN32	0	1	0.00	0.00
16q#192293_192314	16	83016621-83207066	190446	KIAA0703, KIAA1609, COTL1	0	1	0.00	0.00
9p#121238_121253	9	34986075-35074232	88158	DNAJB5, AK056829, MGC41945, VCP, FANCG	Inf	1	0.02	0.00
9q#123565_123583	9	92616400-92795708	179309	AF338194, ANKRD19, BC028712, ZNF484, BC032429	0	1	0.00	0.00
9q#123611_123737	9	93015843-94423007	1407165	RX1, BC031969, PTPDC1, BC045813, AK093956, ZNF176	0	1	0.00	0.00
9q#123745_123746	9	94489080-94496742	7663		0	1	0.00	0.00
5q#73796_73803	5	92928025-92972432	44408	AK124699, BC042879, NR2F1	0	1	0.00	0.00
13q#164895_164904	13	48184076-48347983	163908		0	1	0.00	0.00
13q#165502_165514	13	55619315-55871001	251687		0	1	0.00	0.00
13q#165594_165596	13	57676988-57721946	44959	AK124674	0	1	0.00	0.00
11q#148037_148056	11	104063199-104383036	319838	AY358222, BC032472, CASP4, CASP5	0	1	0.00	0.00
11q#148203_148224	11	106170815-106354686	183872	GUCY1A2	0	1	0.00	0.00
11q#148234_148243	11	10655823-106723664	167842	CWF19L2	0	1	0.00	0.00
11q#148346_148351	11	107782670-107838552	55883	C11orf65	0	1	0.00	0.00
9p#121666_121667	9	39355550-39666978	311429	CNTNAP3, AK127145	0	1	0.00	0.00
11p#139607_139620	11	3873242-3995545	122304	STIM1	0	1	0.00	0.00
11p#140211_140273	11	8536031-9008088	472058	8, RPL27A, AK125453, ST5, C11orf17, C11orf16, ASCL3	0	1	0.00	0.00
11p#140325_140339	11	9466411-9589139	122729	ZNF143, WEE1	0	1	0.00	0.00
9p#119459_119491	9	9953296-10371182	417887	AB211400	0	1	0.00	0.00
9q#121694_121706	9	64139100-67731088	3591989	BC110369, CR615666, AK057820	0	1	0.00	0.00
17p#193025_193067	17	1092254-1448996	356743	USC5, YWHAE, AK056769, CRK, MYO1C, SKIP, PITPN	0	1	0.00	0.00
9p#120947_120974	9	32398614-32598748	200135	ACO1, DDX58, TOPORS, NDUFB6	0	1	0.00	0.00
13q#163129_163146	13	29990502-30125423	134922	AK122825, USPL1	0	1	0.00	0.00
9q#123331_123374	9	89955045-90560461	605417	BC040625, DIRAS2	0	1	0.00	0.00
9q#123381_123395	9	90651357-90866848	215492	SYK, CR620154	0	1	0.00	0.00
9q#123511_123514	9	92142929-92166070	23142	NOL8	0	1	0.00	0.00
9q#123515_123528	9	92172229-92277015	104787	RP11-19J3.3	0	1	0.00	0.00
9q#124530_124590	9	103635923-104557192	921270	AK125887, SMC2L1, OR13F1, OR13C4	0	1	0.00	0.00
9q#124601_124622	9	104624905-104848708	223804	ABCA1	0	1	0.00	0.00
9q#124628_124638	9	105077700-105157738	80039	SLC44A1	0	1	0.00	0.00
11p#139562_139563	11	3320321-3328001	7681		0	1	0.00	0.00
11p#139577_139579	11	3634836-3645703	10868	ART1, CHRNA10	0	1	0.00	0.00
11p#139621_139632	11	4005781-4106925	101145	STIM1, RRM1	0	1	0.00	0.00
11p#139652_139853	11	4413091-5676158	1263068	Y1, HBB, HBD, AY034471, CR621032, HBE1, BC015537,	0	1	0.00	0.00
13q#163567_163722	13	34742174-35997237	1255064	MKL1, SOHLH2, AK023568, BC037403, SPG20, AK057	0	1	0.00	0.00
11q#149282_149317	11	118469915-118675936	206022	28572, TMEM24, MIZF, ABCG4, NOD9, PDZD3, LOC28	0	1	0.00	0.00
13q#163889_163898	13	37986076-38049166	63091	BC040923	0	1	0.00	0.00

13q#168201_168228	13	97524911-97753831	228921	FARP1	0	1	0.00	0.00
13q#168238_168252	13	97809618-97902804	93187	FARP1, STK24	0	1	0.00	0.00
6q#93527_93538	6	163064588-163155995	91408	PARK2, PACRG	0	1	0.00	0.00
13q#163934_163972	13	38425740-38851031	425292	STOML3, C13orf23, LOC387921, LHFP	0	1	0.00	0.00
13q#163984_164028	13	38936399-39269516	333118	LHFP, COG6, AB032960	0	1	0.00	0.00
13q#167656_167703	13	92654560-93021962	367403	AF111178, GPC6	0	1	0.00	0.00
13q#167795_167809	13	93718594-93818010	99417	GPC6	0	1	0.00	0.00
13q#163240_163244	13	31274329-31311750	37422	RXFP2	0	1	0.00	0.00
13q#163359_163566	13	32204292-34729320	2525029	BX641164, BC024029, KL, STARD13, BX647695, RFC3	0	1	0.00	0.00
9p#119268_119275	9	7356869-7495835	138967		0	1	0.00	0.00
9p#119276_119290	9	7534498-7806134	271637		Inf	1	0.02	0.00
9p#119291_119299	9	7817345-8055192	237848		Inf	1	0.02	0.00
9p#121441_121493	9	36553862-37119325	565464	MELK, PAX5, CR608042, AK091718, ZCCHC7	0	1	0.00	0.00
11p#139513_139530	11	2797512-2906298	108787	J251642, KCNQ1DN, CDKN1C, SLC22A18AS, SLC22A1	0	1	0.00	0.00
11q#148133_148181	11	105215323-105796100	580778	A4, AK095313, KIAA1826, KBTBD3, AASDHPPT, BC034	0	1	0.00	0.00
11q#148459_148517	11	109508531-110122767	614237	AB096241, AB096242, RDX, L26953, AK124179, FDX1,	0	1	0.00	0.00
11q#148534_148535	11	110434442-110472521	38080		0	1	0.00	0.00
11q#148571_148704	11	110867726-112094047	1226322	11orf52, BC048294, DIXDC1, DLAT, LOC120379, CR62	0	1	0.00	0.00
11q#148831_148843	11	113527297-113635783	108487	ZBTB16, BC000234	0	1	0.00	0.00
11q#149318_149331	11	118685474-118752828	67355	MCAM, RNF26, C1QTNF5, MFRP, USP2	0	1	0.00	0.00
11q#149392_149398	11	119588838-119636539	47702	OAF, POU2F3	0	1	0.00	0.00
11q#150601_150664	11	133292153-133886901	594749	VPS26B, THYN1, ACAD8, BC011001, BC063875, LOC	0	1	0.00	0.00
11q#147527_147532	11	97536752-97698617	161866		0.692294348	1	0.02	0.02
13q#165362_165450	13	52308598-54194238	1885641	PCDH8, BC041838, OLFM4, AK057270, BC041877	0	1	0.00	0.00
13q#165592_165593	13	57641295-57659398	18104	AK124674	0	1	0.00	0.00
13q#165641_165647	13	58887644-59042843	155200		0	1	0.00	0.00
13q#165709_165753	13	59622915-60205389	582475	AY750055, TDRD3, BC041832	0	1	0.00	0.00
13q#165799_165859	13	61369549-62920388	1550840	BC037867	0	1	0.00	0.00
13q#165860_165873	13	62951424-63280448	329025	AK097469	0	1	0.00	0.00
13q#165874_165882	13	63292992-63402101	109110	AK098560	Inf	1	0.02	0.00
13q#165883_165960	13	63439503-65524770	2085268	AK057471	0	1	0.00	0.00
13q#169555_169679	13	113032131-114123908	1091778	1D2, TMCO3, TFDP1, ATP4B, GRK1, AK092053, FLJ44	0	1	0.00	0.00
9p#118648_118650	9	942275-954153	11879	DMRT1	0	1	0.00	0.00
9p#118656_118692	9	986407-1447665	461259	BC052949, DMRT2	0	1	0.00	0.00
9p#118747_118783	9	2109502-2572081	462580	SMARCA2, AK092343	0	1	0.00	0.00
9p#119136_119155	9	5898765-6063001	164237	MLANA, KIAA2026, BC108654, RANBP6	Inf	1	0.02	0.00
11p#139469_139506	11	2286966-2723363	436398	TSPAN32, BC019904, CD81, TSSC4, TRPM5, KCNQ1	0	1	0.00	0.00
16q#192315_192401	16	83213063-84134045	920983	P10, CRISPLD2, ZDHHC7, KIAA0513, FAM92B, BC0409	0	1	0.00	0.00
16q#192538_192560	16	85584293-85890731	306439	AK128193, AK125749	0	1	0.00	0.00
11q#146889_146897	11	88374604-88446576	71973	GRM5, BC031602	0	1	0.00	0.00
13q#164544_164820	13	44452780-47480427	3027648	7244, SPERT, LOC283514, AK074924, ZC3H13, CPB2,	0	1	0.00	0.00
13q#164886_164894	13	48059200-48180777	121578	AY853711, CYSLTR2	0	1	0.00	0.00
13q#164959_165032	13	48831916-49351071	519156	-, BX647518, SETDB2, PHF11, RCBTB1, ARL11, EBPL,	0	1	0.00	0.00
13q#165597_165607	13	57742016-57939368	197353		0	1	0.00	0.00
13q#166113_166124	13	67342222-67677979	335758		0	1	0.00	0.00
13q#166125_166569	13	67713256-74620168	6906913	25522, FLJ22624, KIAA1008, C13orf24, KLF5, KLF12, A	0	1	0.00	0.00
13q#167357_167367	13	88783454-88959069	175616		0	1	0.00	0.00
13q#169360_169470	13	110806089-112405995	1599907	51, CR627049, BC034786, BX649107, LOC122258, TUE	0	1	0.00	0.00
9p#119428_119458	9	9511545-9933399	421855	AB211400	0	1	0.00	0.00
9p#119585_119620	9	12641199-13144810	503612	X51420, TYRP1, C9orf150, MPDZ	0	1	0.00	0.00
9p#119639_119647	9	13364245-13585914	221670	AK123194	0	1	0.00	0.00
11p#139436_139437	11	1985731-1993223	7493		0	1	0.00	0.00
9q#124646_124692	9	105225104-105600236	375133	SLC44A1, AK124926, FSD1L, FCMD, TAL2, TMEM38B	0	1	0.00	0.00
9p#121093_121153	9	33813991-34306631	492641	UBE2R2, UBAP2, WDR40A, UBAP1, C9orf48, AK001793	Inf	1	0.02	0.00
9p#121254_121272	9	35080704-35227809	147106	PIGO, STOML2, KIAA1539, UNC13B	Inf	1	0.02	0.00

9p#121273_121290	9	35233265-35381564	148300	UNC13B	Inf	1	0.02	0.00
9q#123739_123744	9	94449024-94483439	34416	FBP1	0	1	0.00	0.00
12p#153140_153247	12	25740259-26940357	1200099	AK090817, RASSF8, BHLHB3, BC041929, SSPN, ITPR2	0	1	0.00	0.00
12p#153305_153324	12	27581193-27737759	156567	PPFIBP1	0	1	0.00	0.00
12p#153334_153444	12	27814255-29478053	1663799	PTHLH, AK093152, CCDC91, AL136843, MLSTD1, ERG1	0	1	0.00	0.00
17p#193068_193093	17	1456417-1598054	141638	BC071859, SCARF1, RILP, PRPF8, MGC14376, WDR81,	0	1	0.00	0.00
11p#139386_139435	11	1616917-1977551	360635	HCCA2, LSP1, L38282, TNNT3, MRPL23, AK128774	0	1	0.00	0.00
13q#161968_161979	13	18402053-18481420	79368	BC067875	0	1	0.00	0.00
13q#162035_162044	13	19039881-19115234	75354	HSMPP8	0	1	0.00	0.00
13q#162928_162933	13	27857009-27892948	35940	FLT1	0	1	0.00	0.00
9p#120937_120946	9	32195770-32385805	190036	ACO1	0	1	0.00	0.00
9p#120975_120987	9	32607736-32757474	149739	TAF1L, AK091653	0	1	0.00	0.00
9p#121399_121439	9	36130660-36470926	340267	C9orf19, CCIN, CLTA, GNE, CR599555, RNF38	0	1	0.00	0.00
13q#163072_163080	13	29401973-29503706	101734	LOC440131	0	1	0.00	0.00
13q#163126_163128	13	29962308-29980791	18484	AK122825	0	1	0.00	0.00
13q#163147_163174	13	30130396-30405767	275372	USPL1, ALOX5AP, AK093165, FLJ14834, C13orf26	0	1	0.00	0.00
13q#163175_163226	13	30412773-31148725	735953	C13orf26, HSPH1, B3GALTL	0	1	0.00	0.00
9q#121711_121712	9	68214035-68262931	48897	PGM5	0	1	0.00	0.00
9q#124591_124600	9	104565171-104619243	54073	NIPSNAP3A, NIPSNAP3B, BX647652	0	1	0.00	0.00
9q#124639_124645	9	105172327-105215123	42797	SLC44A1	0	1	0.00	0.00
11p#139564_139576	11	3338516-3625737	287222	ZNF195, AK123648, AB231779, X89067, ART5, ART1	0	1	0.00	0.00
11p#139580_139606	11	3648961-3867001	218041	CHRNA10, NUP98, AL096753, FRAG1, RHOG, STIM1	0	1	0.00	0.00
11p#140091_140123	11	7447053-7724398	277346	AK128569, OLFML1, PPFIBP2, CYB5R2, OVCH2	0	1	0.00	0.00
11p#140136_140210	11	7834546-8528129	693584	K093511, EIF3S5, BC027619, AK126895, TUB, AL83260	0	1	0.00	0.00
11p#140340_140355	11	9602017-9735929	133913	SWAP70, AK090613	0	1	0.00	0.00
17p#193022_193024	17	1049874-1077585	27712	AK026788	0	1	0.00	0.00
17p#193100_193169	17	1629728-2224307	594580	4, RPA1, RTN4RL1, DPH1, HIC1, SMG6, SRR, TSR1, R	0	1	0.00	0.00
17p#193470_193486	17	4652956-4761649	108694	PLD2, MINK1, CHRNE	0	1	0.00	0.00
17p#193523_193584	17	4966472-5438691	472220	78, UNQ5783, BC029580, RABEP1, NUP88, RPAIN, C10	0	1	0.00	0.00
17p#193782_193821	17	7312769-7537896	225128	NP3, BC032613, EIF4A1, CD68, MPDU1, AK027742, FX	0	1	0.00	0.00
17p#193829_193841	17	7581046-7694679	113634	DNHD3, BC067879, AB002344	0	1	0.00	0.00
11q#149499_149584	11	120797009-122094261	1297253	ORL1, BC040643, BC089451, AK091713, BRCC2, STS-	0	1	0.00	0.00
17p#192974_192977	17	656790-682147	25358	NXN	0	1	0.00	0.00
6q#933503_93526	6	162832407-163053073	220667	PARK2	0	1	0.00	0.00
11q#146794_146801	11	87224773-87390447	165675		0.692294348	1	0.02	0.02
11q#146818_146832	11	87649398-87796201	146804	CTSC	Inf	1	0.02	0.00
11q#146869_146878	11	88191174-88281875	90702	GRM5	0	1	0.00	0.00
13q#163899_163933	13	38073490-38412538	339049	FREM2, BX640686	0	1	0.00	0.00
13q#164384_164416	13	42855888-43103924	248037	PIG38	0	1	0.00	0.00
13q#164417_164458	13	43114392-43437060	322669	PIG38, BC068521, FLJ31846, FLJ38725, BX538036	0	1	0.00	0.00
13q#167024_167059	13	80808027-81818065	1010039		0	1	0.00	0.00
13q#167599_167655	13	91997620-92615127	617508	GPC5	0	1	0.00	0.00
13q#167704_167794	13	93035386-93713008	677623	GPC6	0	1	0.00	0.00
13q#168229_168237	13	97760117-97804621	44505	FARP1	0	1	0.00	0.00
13q#168253_168462	13	97920354-99676991	1756638	7488, PHGDHL1, BC043507, TM9SF2, BC041830, CLY4	0	1	0.00	0.00
13q#168473_168498	13	99764111-99955456	191346	PCCA	0	1	0.00	0.00
13q#169154_169179	13	108666575-109218663	552089	IRS2	0	1	0.00	0.00
11q#149332_149350	11	11875983-118951364	193382	AK097820, THY1	0	1	0.00	0.00
11q#149358_149360	11	119035833-119056313	20481	PVRL1	0	1	0.00	0.00
11q#149399_149406	11	119645108-119703967	58860	POUF3, TMEM136	0	1	0.00	0.00
16q#189118_189123	16	45018886-45097874	78989	FLJ43980	Inf	1	0.02	0.00
17p#192911_192913	17	148092-167891	19800	RPH3AL	0	1	0.00	0.00
17p#192978_192995	17	691777-831438	139662	NXN, AF151908	0	1	0.00	0.00
17p#193170_193235	17	2231046-2816939	585894	T, LOC284009, METT10D, PAFAH1B1, KIAA0664, AK12	0	1	0.00	0.00
17p#193299_193369	17	3333472-3850369	516898	NS, TAX1BP3, TMEM93, P2RX5, ITGAE, AK056724, HSA	0	1	0.00	0.00

17p#193384_193431	17	3991768-4393321	401554	CYB5D2, ANKFY1, UBE2G1, MGC29671, BC041772, M	0	1	0.00	0.00
17p#193854_193864	17	7774808-7863033	88226	TRAPPC1, CNTR0B, AK095413, GUCY2D	0	1	0.00	0.00
11q#148057_148062	11	104386618-104414971	28354	CASP1, BC062327	0	1	0.00	0.00
11q#150680_150704	11	134113671-134432324	318654	AK125040	0	1	0.00	0.00
19p#209111_209121	19	23776775-23904614	127840	LOC388524, AK124278, AX721133, AK125686	0	1	0.00	0.00
12p#152500_152606	12	18052896-19350995	1298100	FLJ22655, PIK3C2G, PLCZ1, CAPZA3, PLEKHA5	0	1	0.00	0.00
12p#152722_152728	12	21026066-21087702	61637	LST-3TM12	0	1	0.00	0.00
13q#165686_165708	13	59445925-59613216	167292	DIAPH3, AY750055	0	1	0.00	0.00
11q#148107_148123	11	104965726-105118641	152916	GRIA4	0	1	0.00	0.00
11q#148124_148132	11	105128915-105206648	77734	GRIA4	0	1	0.00	0.00
9p#118651_118655	9	958751-980073	21323	DMRT1, DMRT3	0	1	0.00	0.00
9p#118713_118746	9	1728515-2100251	371737	SMARCA2	0	1	0.00	0.00
13q#164511_164543	13	44061141-44445308	384168	NUFIP1	0	1	0.00	0.00
13q#164821_164885	13	47484876-48036764	551889	CR590107, MED4, ITM2B, BC039553, RB1, RCBTB2, A	0	1	0.00	0.00
13q#165033_165050	13	49362628-49490781	128154	BC030655, C13orf1, AF529010, RFP2, KCNRG	0	1	0.00	0.00
13q#165120_165361	13	50081240-52304884	2223645	707, AK098719, CCDC70, ATP7B, ALG11, UTP14C, NEA	0	1	0.00	0.00
13q#165608_165640	13	57994454-58855211	860758		0	1	0.00	0.00
13q#165648_165673	13	59080220-59337364	257145	BC041395, AY750055, DIAPH3	0	1	0.00	0.00
13q#165681_165684	13	59405784-59433773	27990	DIAPH3	0	1	0.00	0.00
13q#165754_165798	13	60239303-61326385	1087083	AK097816, PCDH20, AL833830	0	1	0.00	0.00
13q#165961_166112	13	65586024-67302822	1716799	PCDH9	0	1	0.00	0.00
13q#169471_169554	13	112410779-113025750	614972	035340, AB002360, MCF2L, F7, F10, PROZ, PCID2, CU	0	1	0.00	0.00
11q#148536_148570	11	110493185-110853423	360239	FLJ45803, CR936778, BC042557, POU2AF1, BC0220	0	1	0.00	0.00
11q#149381_149391	11	119494966-119578488	83523	TRIM29	0	1	0.00	0.00
11q#150389_150600	11	131043938-133285989	2242052	358331, HNT, OPCML, BC043577, SPATA19, LOC2837	0	1	0.00	0.00
11q#150665_150679	11	133902455-134105480	203026		0	1	0.00	0.00
8p#107663_107674	8	1718037-1815615	97579	CLN8, AF123758, ARHGEF10	0	1	0.00	0.00
8p#108126_108127	8	6929691-7040655	110965		0	1	0.00	0.00
9p#119121_119135	9	5760926-5890266	129341	KIAA1432, AB037853, KIAA1815, MLANA	0	1	0.00	0.00
9p#121664_121665	9	39167063-39244388	77326	CNTNAP3	0	1	0.00	0.00
12p#153043_153056	12	24512704-24617133	104430	SOX5, FLJ32894	0	1	0.00	0.00
9p#121676_121682	9	42913008-43378400	465393	BC031626	Inf	1	0.02	0.00
10q#133103_133108	10	69572840-69627307	54468	FLJ14437	0	1	0.00	0.00
10q#133115_133172	10	69673626-70152268	478643	JFY2, D42046, BC023330, SLC25A16, CXXC6, AK1234	0	1	0.00	0.00
10q#133179_133233	10	70217724-70666729	449006	DX1, DDX50, DDX21, KIAA1279, PRG1, VPS26A, SUPV	0	1	0.00	0.00
15q#183020_183025	15	70153589-70190216	36628	MYO9A	Inf	1	0.02	0.00
17p#193000_193021	17	855232-1039386	184155	ABR, AF151908	0	1	0.00	0.00
17p#193094_193099	17	1602400-1625560	23161	SERPINF2, SERPINF1	0	1	0.00	0.00
9p#121084_121092	9	33757107-33809068	51962	X71345, CR598614, UBE2R2	0	1	0.00	0.00
9p#121291_121298	9	35394384-35461372	66989	UNC13B, LOC158381, BC031276	Inf	1	0.02	0.00
9p#121371_121398	9	35914336-36122502	208167	RECK	0	1	0.00	0.00
13q#161980_162034	13	18489690-19027781	538092	AL832753, TUBA2, BC036210, TPTE2	0	1	0.00	0.00
13q#162180_162184	13	20282022-20304514	22493	XPO4	0	1	0.00	0.00
13q#163088_163125	13	29645741-29955293	309553	KATNAL1, CR598049, HMGB1, AK122825	0	1	0.00	0.00
13q#162256_162297	13	20953472-21439928	486457	EFHA1, FGF9	0	1	0.00	0.00
13q#163045_163071	13	29070732-29391348	320617	UBL3, BC039674	0	1	0.00	0.00
13q#163081_163085	13	29534886-29570053	35168		0	1	0.00	0.00
13q#163227_163239	13	31169202-31263982	94781	RXFP2	0	1	0.00	0.00
11p#140124_140135	11	7734916-7824039	89124	OR5P2, OR5P3	0	1	0.00	0.00
11p#140356_140365	11	9741313-9823879	82567	CR598129, SBF2	0	1	0.00	0.00
11p#140366_140414	11	9831751-10298310	466560	SBF2, ADM	0	1	0.00	0.00
17p#193370_193383	17	3858602-3984937	126336	ZZEF1	0	1	0.00	0.00
17p#193432_193469	17	4399862-4647203	247342	ALOX15, BC010457, PELP1, ARRB2, CXCL16, ZMYND	0	1	0.00	0.00
17p#193487_193522	17	4768709-4962176	193468	ENO3, SPAG7, CAMTA2, INCA1, KIF1C, BC040307, G	0	1	0.00	0.00
17p#193585_193781	17	5455352-7307920	1852569	GR2, ASGR1, DLG4, ACADVL, DVL2, PHF23, GABARAF	0	1	0.00	0.00

17p#193842_193853	17	7700707-7767844	67138	LSMD1, CYB5D1, AK095413, CHD3, KCNAB3	0	1	0.00	0.00
9p#120988_120997	9	32769204-32945205	176002	LOC401498, AK124533	0	1	0.00	0.00
9p#121494_121556	9	37124532-37637220	512689	CCHC7, GRHPR, ZBTB5, POLR1E, FBXO10, BX64109,	0	1	0.00	0.00
9p#121557_121579	9	37650527-37832184	181658	FRMPD1, BX641092, RG9MTD3, EXOSC3, WDR32	Inf	1	0.02	0.00
11q#149351_149357	11	118965939-119026316	60378	FLJ45300	0	1	0.00	0.00
11q#149489_149498	11	120678087-120770782	92696	SC5DL	0	1	0.00	0.00
11q#149585_149624	11	122104446-122441909	337464	STS-1, CRTAM, C11orf63, HSPA8	0	1	0.00	0.00
11q#146802_146817	11	87425444-87622892	197449	RAB38	0.692294348	1	0.02	0.02
13q#168499_168556	13	99960668-100546021	585354	AK091974, AK095850, TMTC4, AK056409, AK025806, V	0	1	0.00	0.00
13q#168717_168827	13	101747270-103076962	1329693	95660, CR614484, LOC93081, AK126341, KDELC1, BIV	0	1	0.00	0.00
11q#146833_146859	11	87819029-88093751	274723	GRM5	0	1	0.00	0.00
11q#146866_146868	11	88167509-88182566	15058	GRM5	0	1	0.00	0.00
11q#146879_146888	11	88287933-88367470	79538	GRM5	0	1	0.00	0.00
13q#164459_164461	13	43450534-43498245	47712	AK001941	0	1	0.00	0.00
13q#166570_166662	13	74653790-75399022	745233	TBC1D4, COMMD6, UCHL3, LMO7, AK092698	0	1	0.00	0.00
13q#166998_167023	13	80195093-80777898	582806		0	1	0.00	0.00
13q#167060_167103	13	81857106-83082562	1225457		0	1	0.00	0.00
13q#167104_167110	13	83090186-83153897	63712		0	1	0.00	0.00
13q#167133_167165	13	83631560-84315130	683571		0	1	0.00	0.00
13q#167224_167225	13	85710179-85717371	7193		0	1	0.00	0.00
13q#167325_167356	13	87945910-88758397	812488		0	1	0.00	0.00
13q#167368_167369	13	88981583-88999824	18242		0	1	0.00	0.00
13q#167383_167391	13	89307100-89487222	180123		0	1	0.00	0.00
13q#167404_167598	13	89751955-91988441	2236487	BC038529, AK055781, AB176708, AY927632, GPC5	0	1	0.00	0.00
13q#168463_168472	13	99687774-99753179	65406	PCCA	0	1	0.00	0.00
5q#74657_74715	5	107075980-107679343	603364	FBXL17	0	1	0.00	0.00
9p#121672_121673	9	40520747-41009567	488821	ZNF658	0	1	0.00	0.00
11q#148063_148106	11	104419583-104947983	528401	COP1, AB231723, INCA, AK128199, ICEBERG	0	1	0.00	0.00
11q#149361_149380	11	119065080-119487625	422546	PVRL1, TRIM29	0	1	0.00	0.00
11q#149407_149451	11	119709631-120275561	565931	ARHGEF12, GRIK4	0	1	0.00	0.00
13q#165051_165119	13	49494436-50071345	576910	AF380424, AJ412057, AJ412029	0	1	0.00	0.00
13q#166709_166832	13	76405399-77395079	989681	3XL3, MYCBP2, BC047536, SCEL, FLJ30046, BC031243	0	1	0.00	0.00
11p#139532_139555	11	2917540-3176491	258952	NAP1L4, CAR5, OSBPL5	0	1	0.00	0.00
11p#139556_139558	11	3186925-3200180	13256	C11orf36	0	1	0.00	0.00
13q#164462_164510	13	43549172-44051985	502814	BC000868, C13orf21, BC025370, TSC22D1, BC040675	0	1	0.00	0.00
13q#166663_166675	13	75420994-75742412	321419		0	1	0.00	0.00
13q#166913_166966	13	78408543-79438387	1029845	C13orf10, AK002196, NDFIP2, BC036310	0	1	0.00	0.00
13q#166978_166997	13	79785321-80156410	371090	SPRY2, BC042526	0	1	0.00	0.00
16q#192402_192411	16	84144083-84236081	91999	BC037556, KIAA0182	0	1	0.00	0.00
16q#192497_192502	16	85115077-85143300	28224	MTHFS	0	1	0.00	0.00
16q#192594_192595	16	86185082-86191651	6570		0	1	0.00	0.00
16q#192674_192724	16	87104337-87452812	348476	D, BX640980, SNAI3, RNF166, LOC348180, FAM38A, FL	0	1	0.00	0.00
16q#192734_192756	16	87532981-87739874	206894	CBFA2T3, LOC197322	0	1	0.00	0.00
11p#139360_139377	11	1456763-1570581	113819	HCCA2	0	1	0.00	0.00
11q#146313_146314	11	81784449-81807001	22553	BC041900	0.692294348	1	0.02	0.02
11q#146319_146324	11	81941752-82037377	95626		Inf	1	0.02	0.00
13q#162880_162915	13	27499339-27773138	273800	FLT3, PAN3, X51602	0	1	0.00	0.00
13q#162922_162927	13	27802399-27849608	47210	FLT1	0	1	0.00	0.00
5q#79166_79429	5	160494371-166121450	5627080	5ABRA1, GABRG2, CCNG1, BX538290, NUDCD2, HMM	0	1	0.00	0.00
5q#80422_80584	5	177536704-178959732	1423029	633, ZNF354A, BC024222, ZNF354B, ZFP2, AK055745,	0	1	0.00	0.00
5q#80585_80754	5	178969417-180500219	1530803	49, KIAA0676, AK021734, RNF130, AK128590, RASGE	0	1	0.00	0.00
12p#152729_152807	12	21092993-21726313	633321	CO1B1, SLCO1A2, FLJ22028, RECQL, GOL11B, C12orf	0	1	0.00	0.00
12p#153006_153010	12	24174625-24213161	38537	SOX5	0	1	0.00	0.00
11p#139340_139352	11	1296424-1405565	109142	BRSK2	0	1	0.00	0.00
13q#162185_162194	13	20315979-20380382	64404	XPO4, AB051508	0	1	0.00	0.00

13q#162345_162364	13	22517382-22751534	234153	SGCG		0	1	0.00	0.00
13q#162421_162498	13	23322450-24006978	684529	87911, FLJ46358, BX648445, SPATA13, C1QTNF9, BC0		0	1	0.00	0.00
13q#162916_162921	13	27781051-27795987	14937	FLT1		0	1	0.00	0.00
13q#162198_162205	13	20435485-20497234	61750	LATS2		0	1	0.00	0.00
13q#162206_162255	13	20507495-20947389	439895	007357, SAP18, C13orf3, MRP63, AK093279, BC034944		0	1	0.00	0.00
13q#162298_162308	13	21486550-21626755	140206	AK054845		0	1	0.00	0.00
13q#163086_163087	13	29589008-29621894	32887			0	1	0.00	0.00
9p#121033_121083	9	33245269-33745748	500480	FX1, AQP3, AK128272, NOL6, LOC441459, BC038293, C		0	1	0.00	0.00
9p#121360_121370	9	35819796-35885092	65297	C9orf127, BC043384, AL832569		0	1	0.00	0.00
11p#139167_139183	11	182372-263345	80974	ODF3, BET1L, RIC8A, SIRT3, PSMD13		0	1	0.00	0.00
17p#192996_192999	17	834395-849124	14730	AF151908, TIMM22		0	1	0.00	0.00
17p#193865_193874	17	7866843-7929248	62406	ALOX15B, ALOX12B		0	1	0.00	0.00
17p#193883_193894	17	7988446-8032457	44012	PER1, BC028207, VAMP2, TMEM107, C17orf59		0	1	0.00	0.00
17p#193929_193951	17	8220100-8415534	195435	BC024723, RPL26, NDEL1, MYH10		0	1	0.00	0.00
17p#193952_193960	17	8427179-8513477	86299	MYH10		0	1	0.00	0.00
9p#120998_121026	9	32955637-33168547	212911	CR602856, DNAJA1, AK001732, SMU1, BC045773, B4		0	1	0.00	0.00
9p#121299_121303	9	35467102-35501557	34456	BC031276, RUSC2		Inf	1	0.02	0.00
9p#121580_121607	9	37847269-38054161	206893	WDR32, BC094765, MCART1, SHB		Inf	1	0.02	0.00
16q#192777_192796	16	87885515-88048464	162950	ANKRD11		0	1	0.00	0.00
16q#192834_192898	16	88284047-88690615	406569	F25, AK022609, MC1R, TUBB3, FLJ20186, MGC16385,		0	1	0.00	0.00
11q#146860_146865	11	88108535-88158658	50124	GRM5		0	1	0.00	0.00
13q#167182_167223	13	84839648-85647108	807461	SLITRK6		0	1	0.00	0.00
13q#167370_167382	13	89021461-89296313	274853			0	1	0.00	0.00
13q#167392_167403	13	89503507-89727565	224059	BC043442		0	1	0.00	0.00
11q#149452_149488	11	120282139-120669720	387582	GRIK4, LRRRC35, TECTA, SC5DL		0	1	0.00	0.00
11q#150195_150388	11	128595658-131034778	2439121	K648817, APLP2, ST14, BTBD15, FLJ34521, ADAMTS8,		0	1	0.00	0.00
12p#153057_153136	12	24620897-25646400	1025504	71, AK056255, LRMP, CASC1, LOC144363, KRAS, BC0		0	1	0.00	0.00
12p#153137_153139	12	25666871-25718176	51306			0	1	0.00	0.00
12p#153445_153454	12	29489556-29572313	82758	OVCH1, TMTC1		0	1	0.00	0.00
8p#107659_107662	8	1690133-1711072	20940	CLN8		0	1	0.00	0.00
13q#166676_166708	13	75762353-76400250	637898	KCTD12, BC106717		0	1	0.00	0.00
13q#166833_166842	13	77403072-77480120	77049	EDNRB, BX647243		0	1	0.00	0.00
13q#166843_166909	13	77495156-78295379	800224	BX647243, AK095779, POU4F1, C13orf7		0	1	0.00	0.00
13q#166910_166912	13	78316463-78375944	59482			0	1	0.00	0.00
17p#194671_194687	17	17339599-17521080	181482	RASD1, PEMT		0	1	0.00	0.00
17p#194708_194749	17	17702287-18052856	350570	1L2, LRRRC48, ATPAF2, C17orf39, DRG2, MYO15A, ALK		0	1	0.00	0.00
5q#74716_74983	5	107689236-111193154	3503919	AK093222, FLJ43080, BC042563, LOC91137, TSLP, WD		0	1	0.00	0.00
10q#132978_133102	10	68427967-69565149	1137183	TNNA3, DNAJC12, SIRT1, HERC4, BX648564, FLJ1443		0	1	0.00	0.00
10q#133109_133114	10	69636648-69666530	28883	FLJ14437, AL834247, ATOH7		0	1	0.00	0.00
15q#183012_183019	15	70079134-70145334	66201	MYO9A		Inf	1	0.02	0.00
11q#146261_146262	11	80643631-80687877	44247			0.692294348	1	0.02	0.02
16q#192596_192621	16	86195276-86444567	249292	JPH3, AK001742, KLHDC4, SLC7A5		0	1	0.00	0.00
16q#192656_192666	16	86874711-87033241	158531	AB058761		0	1	0.00	0.00
16q#192667_192673	16	87034408-87097642	63235	AB058761, ZFFM1		0	1	0.00	0.00
12p#152439_152448	12	16430087-16537884	107798	AK058030		0	1	0.00	0.00
12p#152449_152499	12	16564024-18028394	1464371	LMO3		0	1	0.00	0.00
12p#152620_152621	12	19476466-19483375	6910	CR599308		0	1	0.00	0.00
12p#152634_152721	12	19659449-21015114	1355666	PDE3A, SLCO1C1, LST-3TM12		0	1	0.00	0.00
19p#209097_209110	19	23627675-23760865	133191	BC032394, ZNF675, CR624679, ZNF681, LOC388524		0	1	0.00	0.00
19p#209122_209125	19	23924855-23995836	70982	AK125686		0	1	0.00	0.00
16q#192757_192768	16	87744023-87813104	69082	2, AK094020, AK130578, CDH15, AL137382, AK098143		0	1	0.00	0.00
11q#146376_146382	11	82574161-82644381	70221	PCF11, AL359570, ANKRD42, BC062729		0.688886232	1	0.03	0.05
1p#21_30	1	925445-976539	51095	NOC2L, KLHL17, PLEKHN1, BX648399		0	1	0.00	0.00
1p#83_90	1	1299091-1536363	237273	CPSF3L, DVL1, MXRA8, BC094869, AF343078, ATAD3A		0	1	0.00	0.00
1p#31_82	1	980650-1295513	314864	8833, TLL10, BC027945, SDF4, B3GALT6, UBE2J2, S		0	1	0.00	0.00

2q#37089_37093	2	233071655-233099777	28123	ALPP, BC067110, ALPPL2	0	1	0.00	0.00
5q#71027_71098	5	55014733-55804912	790180	AK128743, DDX4, IL31RA, AF106913, IL6ST, FLJ11795	0	1	0.00	0.00
5q#71112_71135	5	56136766-56302854	166089	AF042838, BX537527, MGC33648, MIER3	0	1	0.00	0.00
5q#71201_71328	5	57776821-58976411	1199591	PLK2, FLJ33641, RAB3C, PDE4D, L20969	0	1	0.00	0.00
5q#71342_71392	5	59100711-59742776	642066	L20969, AF536976, AY245866	0	1	0.00	0.00
5q#71393_71400	5	59751869-59811717	59849	AY245866	Inf	1	0.02	0.00
5q#71401_71519	5	59819751-61174468	1354718	8, DEPDC1B, ELOVL7, ERCC8, mimitin, AF264626, ABC	0	1	0.00	0.00
11p#141301_141344	11	20389359-20827835	438477	PRMT3, SLC6A5, AK096599, NELL1	0	1	0.00	0.00
13q#162195_162197	13	20399951-20426686	26736		0	1	0.00	0.00
1p#13_16	1	886543-903344	16802	BC025320, SAMD11	0	1	0.00	0.00
3p#44027_44166	3	67210062-69036296	1826235	SUCLG2, BC038210, AL832184, FAM19A1, FAM19A4	0	1	0.00	0.00
17p#194001_194017	17	8909788-9046786	136999	NTN1	0	1	0.00	0.00
5q#79430_79825	5	166161434-170530919	4369486	648891, PANK3, BC062365, SLIT3, CCDC99, DOCK2, f	0	1	0.00	0.00
5q#80207_80208	5	175707932-175712048	4117	KIAA1191	0	1	0.00	0.00
5q#80209_80421	5	175717047-177527050	1810004	AK131469, FGFR4, NSD1, RAB24, PX19, MXD3, AK12	0	1	0.00	0.00
12p#152808_152829	12	21743894-21950275	206382	KCNJ8, BX640893, ABCC9	0	1	0.00	0.00
12p#153011_153042	12	24221619-24505688	283970	SOX5	0	1	0.00	0.00
19q#209775_209778	19	41330875-41353735	22861	CAPNS1, COX7A1	0	1	0.00	0.00
19q#209779_209785	19	41365158-41421559	56402	ZNF565, AK057290, ZNF146	0	1	0.00	0.00
17p#193875_193876	17	7933425-7941494	8070	ALOXE3	0	1	0.00	0.00
17p#193895_193928	17	8037561-8215422	177862	5, C17orf68, PFAS, SLC25A35, ARHGEF15, ODF4, AK0	0	1	0.00	0.00
9p#121027_121032	9	33194393-33238467	44075	SPINK4	0	1	0.00	0.00
9p#121304_121310	9	35507216-35554371	47156	RUSC2	Inf	1	0.02	0.00
9p#121311_121359	9	35564165-35816173	252009	3, CA9, TPM2, TLN1, CREB3, GBA2, D87447, BC01425	0	1	0.00	0.00
4p#55037_55185	4	12094486-14523850	2429365	AK027027, RAB28, BAPX1, FAM44A, AK091889, AK055	0	1	0.00	0.00
4p#55186_55206	4	14532029-14717890	185862	BC036758, BC039114, CPEB2	0	1	0.00	0.00
4p#55207_55342	4	14729990-16284880	1554891	FBL5, BC048993, BST1, CD38, FGFBP1, KSP37, PRO	0	1	0.00	0.00
4p#55343_55489	4	16300591-18429153	2128563	QDPR, LAP3, MED28, BX648830, AB033102, FLJ2028	0	1	0.00	0.00
10p#128064_128073	10	334839-409325	74487	DIP2C	0	1	0.00	0.00
11p#142754_142760	11	42966804-43170043	203240		0	1	0.00	0.00
15q#181827_181863	15	59780972-60132291	351320	VPS13C	Inf	1	0.02	0.00
19p#209077_209096	19	23333072-23616442	283371	AK002041, ZNF91, BC041431, BC032394	0	1	0.00	0.00
17p#194795_194807	17	18703327-18823751	120425	PRPSAP2, SLC5A10	0	1	0.00	0.00
5q#71329_71341	5	58982091-59092107	110017	L20969	0	1	0.00	0.00
16q#192622_192633	16	86462708-86587949	125242	CA5A, BANP	0	1	0.00	0.00
16q#192769_192776	16	87817666-87878491	60826	FLJ1875, ANKRD11	0	1	0.00	0.00
2q#36100_36253	2	221935223-223996524	2061302	PAX3, FLJ32447, SGPP2, AK096323, FARSLB, MOGA	0	1	0.00	0.00
5q#74984_75021	5	111222378-111706424	484047	AK096057, TIGA1, EPB41L4A	Inf	1	0.02	0.00
5q#75022_75118	5	111712018-112722554	1010537	AK002097, APC, SRP19, REEP5, DCP2, BX537952, MC	0	1	0.00	0.00
5q#75771_75784	5	122893715-123014943	121229	CSNK1G3	0	1	0.00	0.00
5q#75805_75911	5	123706830-125903500	2196671	ZNF608, BC103742, BC039471, GRAMD3	0	1	0.00	0.00
5q#75932_76164	5	126099815-128784056	2684242	3, MEGF10, LOC133619, BC036629, SLC12A2, FBN2, f	0	1	0.00	0.00
5q#76652_76654	5	133856121-133881668	25548		0	1	0.00	0.00
5q#76655_76662	5	133893905-133955484	61580	PHF15, BC012749	0	1	0.00	0.00
14q#170029_170034	14	21400478-21438763	38286	BC063432	0	1	0.00	0.00
14q#170036_170037	14	21457258-21464983	7726	BC063432	0	1	0.00	0.00
15q#182445_182450	15	64642344-64673628	31285	LCTL, BC016970	Inf	1	0.02	0.00
15q#182451_182458	15	64694251-64771361	77111	BC016970	0	1	0.00	0.00
15q#183401_183410	15	73283536-73387220	103685	C15orf39	0	1	0.00	0.00
15q#183411_183417	15	73392942-73419685	26744	COMMD4	0	1	0.00	0.00
15q#183418_183430	15	73424569-73490984	66416	NEIL1, MAN2C1, SIN3A	0	1	0.00	0.00
15q#185768_185776	15	98145502-98228802	83301	C15orf51, LOC400464	Inf	1	0.02	0.00
11p#139307_139339	11	1058706-1290685	231980	M22406, MUC2, AF015521, U95031, TOLLIP	0	1	0.00	0.00
11q#146365_146374	11	82450878-82558668	107791	RAB30, PCF11	0.692294348	1	0.02	0.00
3p#43826_43848	3	64325557-64583188	257632	ADAMTS9	0	1	0.00	0.00

3p#44500_44530	3	73535935-73807455	271521	PDZRN3	0	1	0.00	0.00
18p#201922_201928	18	14941276-15370683	429408	AK126243, AK097631	0	1	0.00	0.00
4q#59053_59065	4	76006396-76173092	166697	BC011618, BTC	Inf	1	0.02	0.00
5q#80755_80764	5	180509401-180558993	49593	TRIM7	0	1	0.00	0.00
5q#80765_80780	5	180562472-180644869	82398	TRIM7, TRIM41, GNB2L1, TRIM52, BC016291	0	1	0.00	0.00
11p#143178_143220	11	47439574-47742844	303271	AK127967, KBTBD4, NDUFS3, C1QTNF4, MTCH2, AGB	0	1	0.00	0.00
11p#143221_143226	11	47750332-47791044	40713	NUP160	0	1	0.00	0.00
12p#152430_152438	12	16355638-16417959	62322	MGST1, BC056683	0	1	0.00	0.00
12p#152839_153005	12	22095784-24164840	2069057	CR623725, KIAA0528, ETNK1, AK094733, AK058180, 4	0	1	0.00	0.00
19p#209126_209137	19	24020549-24157914	137366	AK092150, ZNF254, ZNF539	0	1	0.00	0.00
1p#17_20	1	907406-919130	11725	SAMD11	0	1	0.00	0.00
2q#36607_36637	2	228126578-228355318	228741	HRB, DKFZp547H025	0	1	0.00	0.00
2q#36809_36810	2	230400865-230408015	7151	DNER	0	1	0.00	0.00
2q#36811_36821	2	230421470-230524358	102889	TRIP12	0	1	0.00	0.00
2q#36822_36955	2	230531214-231862981	1331768	C93349, SP100, AF255565, AK055016, CAB39, ITM2C,	0	1	0.00	0.00
5q#71136_71200	5	56319922-57771661	1451740	GPBP1, AK021736, DKFZp686D0972	0	1	0.00	0.00
10q#133511_133525	10	73262822-73435758	172937	PSAP, CHST3	0	1	0.00	0.00
10q#133719_133732	10	75069380-75203300	133921	SYNPO2L, AB188489, AF086522, AK094774, SEC24C	0	1	0.00	0.00
11p#141287_141300	11	20175524-20383027	207504	HTATIP2, PRMT3	0	1	0.00	0.00
11p#141379_141406	11	21129417-21421001	291585	NELL1	0	1	0.00	0.00
11p#141407_141426	11	21428591-21698008	269418	NELL1	Inf	1	0.02	0.00
15q#182610_182650	15	66203654-66492450	288797	S1, CALML4, CLN6, AK124013, FEM1B, AB007856, ITG	0	1	0.00	0.00
15q#183340_183351	15	72862257-72918586	56330	CSK, LMAN1L, CPLX3, BC036117	0	1	0.00	0.00
19p#206591_206598	19	1169409-1209185	39777	STK11, C19orf26, AK024373, ATP5D, MIDN	0	1	0.00	0.00
3p#43728_43739	3	63159890-63353806	193917	CR936762	0	1	0.00	0.00
3p#43849_44026	3	64594538-67169450	2574913	K057923, BC040632, CR617380, MAG1, AK092495, SL	0	1	0.00	0.00
3p#44167_44284	3	69043159-70508118	1464960	TMF1, UBE1C, AF147337, ARL6IP5, LMOD3, AB02323	0	1	0.00	0.00
9q#127955_128007	9	137654537-138061528	406992	YND19, ARRD1, C9orf37, AK025002, BC047504, EHM1	0	1	0.00	0.00
15q#178510_178524	15	27099669-27196868	97200	APBA2	0	1	0.00	0.00
15q#178525_178535	15	27206203-27285386	79184	AB011146	0	1	0.00	0.00
15q#178550_178570	15	27444148-27770395	326248	BX641061, BC034566	0	1	0.00	0.00
17p#194018_194025	17	9061381-9120619	59239	NTN1, BC092429, STX8	0	1	0.00	0.00
17p#193877_193882	17	7945504-7978064	32561	ALOXE3, HES7	0	1	0.00	0.00
11p#139354_139359	11	1417454-1447721	30268	BRSK2, AF020089, HCCA2	0	1	0.00	0.00
17p#194668_194670	17	17321969-17336058	14090	MED9	0	1	0.00	0.00
17p#194808_194811	17	18830350-18853954	23605	SLC5A10	0	1	0.00	0.00
2q#36638_36801	2	228364741-230333659	1968919	C19A3, CCL20, WDR69, SKIP, FLJ20701, BC024766, DN	0	1	0.00	0.00
2q#36804_36808	2	230350935-230385971	35037	DNER	0	1	0.00	0.00
11p#141427_141443	11	21727918-22193305	465388	TMEM16E	Inf	1	0.02	0.00
11p#141444_141456	11	22204117-22328916	124800	TMEM16E, SLC17A6	0	1	0.00	0.00
11p#141542_141620	11	24388057-25487271	1099215	LUZP2	0	1	0.00	0.00
11p#141676_141702	11	26543451-26954172	410722	TMEM16C, BC041454, SLC5A12	0	1	0.00	0.00
4q#59414_59436	4	79717369-79914449	197081	FRAS1, ANXA3	0	1	0.00	0.00
4q#59437_59455	4	79943281-80150928	207648	BC044613, BC012545, BMP2K	0	1	0.00	0.00
5q#77296_77335	5	139931398-140178290	246893	1580, NDUFA2, IK, AF182645, WDR55, DND1, HARS, H	0	1	0.00	0.00
5q#77343_77376	5	140213216-140439659	226444	PCDHA1, PCDHB1	0	1	0.00	0.00
5q#77869_77888	5	146178757-146340546	161790	PPP2R2B	0	1	0.00	0.00
5q#78132_78225	5	148726132-149473719	747588	NK1A1, FLJ41603, PPARGC1B, BX537592, PDE6A, SL	0	1	0.00	0.00
5q#78306_78318	5	150039012-150133924	94913	MYOZ3, L08442, RBM22, DCTN4	0	1	0.00	0.00
5q#78335_78396	5	15031141-150899004	587864	P1, ANXA6, CCDCG9, GM2A, SLC36A3, SLC36A2, AK0	0	1	0.00	0.00
5q#78656_78701	5	154231496-155202941	971446	CNOT8, AL117665, GEMIN5, MRPL22, BC008431	0	1	0.00	0.00
5q#79162_79164	5	160346088-160425477	79390		0	1	0.00	0.00
11p#142744_142753	11	42652428-42927255	274828		0	1	0.00	0.00
11p#142761_142778	11	43203048-43385509	182462	API5, TTC17	0	1	0.00	0.00
11p#143227_143245	11	47797605-48020469	222865	NUP160, PTPRJ	0	1	0.00	0.00

11p#143246_143250	11	48029586-48065285	35700	PTPRJ	0	1	0.00	0.00
12p#151511_151534	12	7371504-7678669	307166	CD163L1, CD163	0	1	0.00	0.00
12p#151616_151628	12	8493927-8581139	87213	BC004857, CLEEC6A, CLEEC4D, CLEEC4E	0	1	0.00	0.00
15q#183585_183608	15	74653507-74844770	191264	ZNF291	0	1	0.00	0.00
15q#183996_183999	15	78289410-78343582	54173	BC040586	Inf	1	0.02	0.00
15q#184140_184151	15	79606034-79876810	270777	AK023763	0	1	0.00	0.00
19q#209138_209156	19	32545047-33356563	811517	BC024732	0	1	0.00	0.00
4q#58490_58492	4	69812150-69834632	22483		0	1	0.00	0.00
4q#58791_58801	4	72902749-73059667	156919	GC, AK223458	Inf	1	0.02	0.00
5q#80086_80102	5	173526873-173967010	440138	AK093208	0	1	0.00	0.00
5q#80109_80120	5	174087447-174278806	191360	MSX2, FLJ16171	0	1	0.00	0.00
5q#80187_80206	5	175243441-175702837	459397	CPLX2, BC052945, C5orf25	0	1	0.00	0.00
10p#129666_129748	10	18802390-20271983	1469594	CACNB2, NSUN6, ARL5B, BC014575, PLXDC2	0	1	0.00	0.00
10p#129749_129967	10	20282457-22745875	2463419	2, NEBL, FLJ45187, MLLT10, DNAJC1, COMMD3, BMI1,	0	1	0.00	0.00
19q#209786_209807	19	41430836-41658585	227750	AK022329, KIAA1559, ZNF545, ZNF566	0	1	0.00	0.00
20p#213574_213588	20	11465988-11763896	297909		0	1	0.00	0.00
9p#121657_121659	9	38805416-39062288	256873	CR615666, BX538190	0	1	0.00	0.00
16q#192634_192635	16	86599633-86610601	10969	BANP	0	1	0.00	0.00
3p#44458_44499	3	72956243-73522838	566596	SHQ1, AK021574, PPP4R2, PDZRN3	0	1	0.00	0.00
3p#44531_44542	3	73843065-74084646	241582		0	1	0.00	0.00
9q#128023_128033	9	138192250-138275765	83516	CACNA1B	0	1	0.00	0.00
2q#35440_35562	2	214900253-216205814	1305562	SPAG16, BARD1, AK056813, ABCA12, ATIC, FN1	0	1	0.00	0.00
2q#35577_35673	2	216467424-217351283	883860	591, XRCC5, AK091571, MARCH4, AK023780, SMARCA	0	1	0.00	0.00
2q#35681_35741	2	217383272-218456647	1073376	IGFBP5, TNPI1, AK024261, AK090954	0	1	0.00	0.00
2q#36041_36099	2	220426763-221899667	1472905	BC043385	0	1	0.00	0.00
4p#54923_55036	4	9741086-12058958	2317873	660, WDR1, AK093001, KIAA1729, MIST, HS3ST1, AK1	0	1	0.00	0.00
4p#55490_55491	4	18455667-18489927	34261		0	1	0.00	0.00
4p#55492_55702	4	18515858-21331016	2815159	SLIT2, AK098692, MGC29898, KCNIP4	0	1	0.00	0.00
4p#55703_55706	4	21342669-21361634	18966	KCNIP4	0	1	0.00	0.00
4p#55707_55714	4	21367802-21430628	62827	KCNIP4	0	1	0.00	0.00
4p#55715_55771	4	21436360-22239861	803502	KCNIP4, GPR125	0	1	0.00	0.00
5q#75119_75440	5	112733695-118064251	5330557	5GT1B, MGC39633, FEM1C, TICAM2, CDO1, ATG12, A	0	1	0.00	0.00
5q#75685_75753	5	121967305-122700068	732764	BC043373, SNX2, SNX24, AK056733, PPIC, AF272898	0	1	0.00	0.00
5q#76165_76260	5	128798539-130386660	1588122	ADAMTS19, CSS3	0	1	0.00	0.00
5q#76261_76651	5	130433184-133831634	3398451	F1, IL5, RAD50, BC042122, IL13, IL4, BC033341, KIF3A,	0	1	0.00	0.00
5q#76701_76716	5	134229370-134372011	142642	BC012749, C5orf14, PCBD2, CATSPER3	0	1	0.00	0.00
5q#76777_76852	5	134912849-135712556	799708	14, LOC153328, IL9, BC044938, FBXL21, LECT2, TGFB	0	1	0.00	0.00
10q#131673_131692	10	49975878-50206925	231048	C10orf72, AK093055, BC047724, C10orf71	0	1	0.00	0.00
11p#142468_142472	11	36479646-36514157	34512	TRAF6, BC037344	0	1	0.00	0.00
11p#142494_142503	11	36724264-37082864	358601		Inf	1	0.02	0.00
11p#142705_142708	11	41548058-41606489	58432		0	1	0.00	0.00
11p#143275_143282	11	48251937-48322434	70498	OR4C3	0	1	0.00	0.00
15q#181462_181473	15	56263743-56440953	177211	AQP9, AK095426	0	1	0.00	0.00
15q#183486_183524	15	73877640-74186453	308814	UBE2Q2, FBXO22, NRG4, C15orf27	0	1	0.00	0.00
15q#183632_183638	15	75056230-75117857	61628	PSTPIP1	0	1	0.00	0.00
15q#183884_183951	15	77172452-77941602	769151	AK127037, TMED3, KIAA1024, MTHFS	Inf	1	0.02	0.00
15q#185765_185767	15	98123394-98142003	18610		Inf	1	0.02	0.00
19p#209027_209029	19	22718179-22735017	16839	BC021822	0	1	0.00	0.00
19p#209060_209076	19	23164067-23326055	161989	AK023040, AK002041	0	1	0.00	0.00
19p#206599_206608	19	1214544-1237307	22764	AK024373, C19orf23, CIRBP, C19orf24, EFNA2	0	1	0.00	0.00
2q#35744_35752	2	218497684-218560336	62653	TNS1	0	1	0.00	0.00
2q#36254_36407	2	224017236-226154972	2137737	WDFY1, MRPL44, SERPINE2, FLJ22746, CUL3, DOCK	0	1	0.00	0.00
2q#36408_36444	2	226154913-226603383	448471	AK055226, BC043591	0	1	0.00	0.00
2q#36445_36450	2	226634870-226729868	94999		0	1	0.00	0.00
2q#36468_36606	2	226922913-228119184	1196272	RHBDD1, AX775823, COL4A4, COL4A3, BC035052, C	0	1	0.00	0.00

4q#60134_60144	4	88246802-88336103	89302	BC017432, AFF1	0	1	0.00	0.00
4q#60202_60204	4	88901175-88914011	12837		0	1	0.00	0.00
4q#60606_60607	4	93338691-93385650	46960		0	1	0.00	0.00
5q#75785_75804	5	123070105-123692415	622311		0	1	0.00	0.00
10q#133526_133658	10	73443244-74569505	1126262	orf104, DDIT4, DNAJB12, CBARA1, C10orf42, OIT3, PLA	0	1	0.00	0.00
10q#133659_133668	10	74578132-74653698	75567	ECD, AB023191	0	1	0.00	0.00
10q#133669_133718	10	74661916-75061453	399538	MRPS16, TTC18, ANXA7, ZMYND17, PPP3CB, USP54	0	1	0.00	0.00
10q#133733_133759	10	75203876-75372095	168220	4, CHCHD1, LOC196752, KIAA0913, NDST2, CAMK2G,	0	1	0.00	0.00
11p#141255_141271	11	19862445-19998793	136349	NAV2	0	1	0.00	0.00
11p#141731_141753	11	27327162-27483152	155991	CCDC34, AF155108, LGR4, LIN7C	Inf	1	0.02	0.00
11p#141867_141873	11	29331885-29459410	127526		0	1	0.00	0.00
15q#182459_182609	15	64776832-66193616	1416785	J11506, IQCH, BC047537, AY726587, MAP2K5, AY6695	0	1	0.00	0.00
15q#182651_182657	15	66499644-66615930	116287	ITGA11	0	1	0.00	0.00
15q#182658_182681	15	66635026-66812717	177692	AK126633, CORO2B	Inf	1	0.02	0.00
15q#183259_183267	15	72276390-72331263	54874	STRA6, AK056125, AK057417	0	1	0.00	0.00
15q#183268_183339	15	72336544-72856914	520371	A1, SEMA7A, UBL7, BC014373, AK127909, ARID3B, CLA	0	1	0.00	0.00
15q#183352_183389	15	72921195-73135495	214301	17, SCAMP2, MPI, C15orf17, COX5A, RPP25, SCAMP5,	0	1	0.00	0.00
15q#183390_183400	15	73147722-73279197	131476	AK128205	0	1	0.00	0.00
15q#183431_183435	15	73501789-73531548	29760	SIN3A, AL832463	0	1	0.00	0.00
3p#38000_38009	3	39066-177685	138620		0	1	0.00	0.00
3p#38010_38018	3	200925-281465	80541	CHL1	0	1	0.00	0.00
4q#58982_59001	4	75262147-75400382	138236	CXCL3, L10403, CXCL2, AX794781, MTHFD2L	Inf	1	0.02	0.00
4q#59025_59052	4	75595306-75999242	403937	EREG, AREG	Inf	1	0.02	0.00
4q#59066_59086	4	76190253-76445703	255451	DKFZP564O0823	Inf	1	0.02	0.00
4q#59087_59097	4	76493196-76774550	281355	RCHY1	0.692294348	1	0.02	0.02
10p#129484_129533	10	16685373-17109709	424337	RSU1, CUBN	0	1	0.00	0.00
10p#129534_129559	10	17115492-17319968	204477	CUBN, DNMT2, BC078172, VIM	0	1	0.00	0.00
11p#142992_143051	11	45847210-46421644	574435	, PEX16, GYLTL1B, PHF21A, CREB3L1, DGKZ, MDK, C	0	1	0.00	0.00
11p#143146_143167	11	47221687-47380060	158374	P2, BC041172, NR1H3, MADD, MYBPC3, SPI1, BX6474	0	1	0.00	0.00
12p#152830_152838	12	21961248-22087877	126630	ABCC9	0	1	0.00	0.00
19q#209503_209518	19	38963951-39292833	328883	KCTD15	Inf	1	0.02	0.00
19q#209746_209774	19	41104979-41323133	218155	5445, ALKBH6, CLIPR-59, THAP8, WDR62, POLR2I, CK	0	1	0.00	0.00
12p#153547_153551	12	31086179-31152158	65980	AK096360, DDX11	0	1	0.00	0.00
12p#153560_153566	12	31314993-31375512	60520	FAM60A	0	1	0.00	0.00
1p#2885_3004	1	29461651-31572736	2111086	MATN1, LAPTM5, AB007937, SDC3, PUM1, FAM77C, W	0	1	0.00	0.00
1p#3005_3026	1	31576551-31772792	196242	2, AK093618, AK128262, CR596614, TINAGL1, HCRTR	0	1	0.00	0.00
3p#43700_43727	3	62749838-63120918	371081	CADPS, BC039502	0	1	0.00	0.00
9q#127935_127954	9	137529571-137644712	115142	FLJ20433, NOXA1, ENTPD8, NELLF, C9orf111	0	1	0.00	0.00
11q#143629_143639	11	56709137-56768788	59652	LRRCS5, AGTRL1	0	1	0.00	0.00
15q#178571_178576	15	27780026-27822134	42109	TJP1	0	1	0.00	0.00
15q#178594_178609	15	27994706-28160745	166040	CR749235	0	1	0.00	0.00
9q#127835_127846	9	136961223-137024293	63071	TMEM141, KIAA1984, C9orf86, PHPT1, MAMDC4	0	1	0.00	0.00
1p#8172_8255	1	92045213-92867437	822225	T, ABHD7, BTBD8, AF017090, AB029030, AL080072, C1	0	1	0.00	0.00
9p#121655_121656	9	38731378-38758291	26914		0	1	0.00	0.00
2q#36802_36803	2	230338950-230345112	6163	DNER	0	1	0.00	0.00
3p#44911_44916	3	79936073-80091648	155576		0	1	0.00	0.00
11p#141457_141500	11	22337320-23002245	664926	SLC17A6, FANCF, GAS2, AL833119, CR608644	0	1	0.00	0.00
11q#143979_143983	11	59669672-59707258	37587	MS4A6A	0	1	0.00	0.00
15q#179723_179752	15	39515019-39684366	169348	RTF1, ITPKA, LTK, RPAP1, TYRO3	0	1	0.00	0.00
16q#192637_192642	16	86631337-86676217	44881	BANP	0	1	0.00	0.00
4q#67316_67318	4	189715174-189735549	20376	AY494056	0	1	0.00	0.00
15q#178611_178659	15	28517805-29146904	629100	2, BC071990, BC112921, AK095096, KIAA1018, MTMR1	0	1	0.00	0.00
15q#178805_178814	15	30902331-30972855	70525	AK127078	0	1	0.00	0.00
16q#192643_192655	16	86683151-86861873	178723	AK126852, AF147365	0	1	0.00	0.00
19p#206609_206626	19	1240720-1376982	136263	EFNA2, AK024373, MUM1, NDUFS7, GAMT, DAZAP1	0	1	0.00	0.00

1p#1_6	1	604268-797005	192738	AK026901, AK125248	0	1	0.00	0.00
3p#44327_44338	3	71233618-71340879	107262	FOXP1	0	1	0.00	0.00
3p#44409_44457	3	72095931-72947258	851328	AK097190, AK055831, AB029551, RYBP, SHQ1	0	1	0.00	0.00
3p#44543_44575	3	74118078-74618443	500366	CNTN3	0	1	0.00	0.00
9q#128008_128022	9	138072410-138184895	112486	CACNA1B	0	1	0.00	0.00
11q#143663_143667	11	56931968-56957143	25176	SLC43A3	0	1	0.00	0.00
15q#178422_178487	15	25681152-26214052	532901	OCA2, HERC2	0	1	0.00	0.00
15q#178503_178509	15	27055481-27093362	37882	APBA2	0	1	0.00	0.00
15q#178536_178549	15	27307367-27428503	121137	AK074138, NDNL2	0	1	0.00	0.00
2q#35431_35439	2	214814813-214886386	71574	SPAG16	0	1	0.00	0.00
2q#35675_35680	2	217374009-217379015	5007	IGFBP5	0	1	0.00	0.00
2q#35759_35763	2	218622149-218648434	26286	TNS1, AK001785	0	1	0.00	0.00
2q#36005_36018	2	220178030-220240583	62554	AY603755, GMPPA, ACCN4, CHPF, MGC99813	0	1	0.00	0.00
2q#36039_36040	2	220386980-220400235	13256		0	1	0.00	0.00
4p#54900_54922	4	9527590-9725891	198302	SLC2A9	0	1	0.00	0.00
4q#61193_61316	4	100578035-102318179	1740145	24orf17, RG9MTD2, MTPP, AL833279, DAPP1, MAP2K1	0	1	0.00	0.00
5q#76853_76859	5	135725275-135797158	71884		0	1	0.00	0.00
5q#76871_76927	5	136208270-136797911	589642	SPOCK1	0	1	0.00	0.00
5q#76928_76958	5	136805377-137116346	310970	SPOCK1, KLHL3, HNRPA0	0	1	0.00	0.00
5q#77336_77342	5	140184763-140207644	22882	PCDHA1	0	1	0.00	0.00
5q#78319_78334	5	150137980-150290480	152501	L08442, NID67, ZNF300, AK091436	0	1	0.00	0.00
5q#78601_78655	5	153707528-154224457	516930	BC042059, SAP30L, AK027248, HAND1, LARP1, C5orf	0	1	0.00	0.00
5q#78702_79064	5	155211994-159402739	4190746	X30, AK057089, ICF45, AK223119, LSM11, BC051353,	0	1	0.00	0.00
5q#79065_79134	5	159410707-159984313	573607	CCNJL, AK131381, C1QTNF2, LOC63920, SLU7, PTT	0	1	0.00	0.00
5q#79143_79161	5	160068262-160316814	248553	AB078258	0	1	0.00	0.00
6p#80838_80957	6	691495-1896584	1205090	C037855, FLJ34594, FOXQ1, FOXF2, BC087858, AK02	0	1	0.00	0.00
10q#131535_131537	10	47148030-47161291	13262	AK057316	0	1	0.00	0.00
10q#131556_131560	10	48042845-48063087	20243	GDF10	0	1	0.00	0.00
10q#131569_131643	10	48871525-49712228	840704	MPD2, CR614448, MAPK8, ARHGAP22, AK055937, C10	0	1	0.00	0.00
10q#131693_131708	10	50214037-50371213	157177	ERCC6	0	1	0.00	0.00
11p#142231_142403	11	33766861-35897900	2131040	AT, ELF5, EHF, APIP, PDHX, CD44, SLC1A2, DKFZP58	0.692294348	1	0.02	0.02
11p#142709_142743	11	41641283-42630388	989106	AY726565	0	1	0.00	0.00
11p#143283_143298	11	48332029-48953082	621054		0	1	0.00	0.00
15q#181303_181364	15	54786703-55311815	525113	SUHW4, BC036541, TCF12	0	1	0.00	0.00
15q#181365_181375	15	55318518-55420503	101986	TCF12, AK097083	0	1	0.00	0.00
15q#181376_181377	15	55433725-55443356	9632		Inf	1	0.02	0.00
15q#181378_181391	15	55455562-55560283	104722	CGNL1	Inf	1	0.02	0.00
15q#181433_181458	15	55998944-56238765	239822	ALDH1A2, BC034958, AQP9	Inf	1	0.02	0.00
15q#181459_181461	15	56244772-56258250	13479	AQP9	0	1	0.00	0.00
15q#183525_183530	15	74201826-74238141	36316	C15orf27	0	1	0.00	0.00
15q#183531_183547	15	74244753-74379494	134742	C15orf27, ETFA	0	1	0.00	0.00
15q#183581_183584	15	74618693-74645683	26991	ZNF291	0	1	0.00	0.00
15q#183609_183631	15	74851093-75041248	190156	ZNF291, AB040887, RCN2	0	1	0.00	0.00
15q#183639_183721	15	75125735-76023607	897873	PAN3, AB082533, C15orf5, HMG20A, LRRN6A, BC0685	0	1	0.00	0.00
15q#183722_183726	15	76039303-76070006	30704	BC047538	0	1	0.00	0.00
15q#183859_183883	15	77006829-77167306	160478	CTSH, RASGRF1	Inf	1	0.02	0.00
15q#183952_183995	15	77947011-78278589	331579	_109714, AF249277, BCL2A1, AF161558, ZA20D3, FAH,	Inf	1	0.02	0.00
15q#185697_185764	15	97551375-98117701	566327	C28, AK091588, AB208985, MEF2A, AL831995, AK0567	Inf	1	0.02	0.00
15q#185778_185807	15	98251436-98528512	277077	AK057529, ADAMTS17	Inf	1	0.02	0.00
15q#185808_185828	15	98546266-98690474	144209	ADAMTS17	0	1	0.00	0.00
15q#185829_185833	15	98695729-98741357	45629	ADAMTS17, FLJ42289	Inf	1	0.02	0.00
15q#185873_185902	15	99070776-99321767	250992	LOC440313, AK056534, ALDH1A3, LRRK1	Inf	1	0.02	0.00
19q#209157_209193	19	33405225-34138106	732882	CR599476, BC068609	0	1	0.00	0.00
5p#68941_68946	5	20844285-20931799	87515	AK093362	0	1	0.00	0.00
5q#80074_80085	5	173399535-173490378	90844	HMP19	0	1	0.00	0.00

5q#80103_80108	5	174027236-174086084	58849	MSX2		0	1	0.00	0.00
5q#80121_80134	5	174292637-174557243	264607	FLJ16171		0	1	0.00	0.00
5q#80135_80140	5	174592569-174754205	161637			0	1	0.00	0.00
5q#80141_80186	5	174774486-175239017	464532	DRD1, SFXN1, BC054510, HRH2, CPLX2		0	1	0.00	0.00
19q#209808_209842	19	41672604-42026041	353438	AK022329, ZFP260, ZNF529, MGC62100		0	1	0.00	0.00
19q#209843_209849	19	42032200-42087938	55739	ZNF345, BC010386, DKFZp779O175		0	1	0.00	0.00
19q#209851_209859	19	42113341-42224129	110789	ZNF568, BC016334, BC108696	0.692294348		1	0.02	0.02
19q#209860_209878	19	42245648-42413631	167984	F420, BC026081, ZNF585A, ZNF585B, AK091760, ZNF585C	0.692294348		1	0.02	0.02
1p#3213_3225	1	33418574-33518081	99508	FLJ25476, PHC2, AJ242730	0		1	0.00	0.00
4p#54019_54026	4	671739-727767	56029	MFS7, PCGF3	0		1	0.00	0.00
11q#143508_143531	11	55660165-55797246	137082	OR8K5, OR5T2	0		1	0.00	0.00
11q#143605_143614	11	56339091-56472936	133846	AB231741, AK096987	0		1	0.00	0.00
11q#143627_143628	11	56698220-56703475	5256		0		1	0.00	0.00
11q#143661_143662	11	56923490-56931137	7648	Z26248, SLC43A3	0		1	0.00	0.00
15q#178488_178496	15	26232938-27009438	776501	HERC2, BC007794, APBA2	0		1	0.00	0.00
15q#178497_178502	15	27014618-27046889	32272	APBA2	0		1	0.00	0.00
1p#2873_2884	1	29357441-29454289	96849	MECR, PTPRU	0		1	0.00	0.00
9q#127847_127880	9	137030022-137227439	197418	CR607386, LCN12, PTGDS, AK097466, C9orf142, ABC1	0		1	0.00	0.00
9q#127881_127934	9	137229925-137523274	293350	2, SSNA1, C9orf75, NDOR1, AK128153, SLC34A3, LOC	0		1	0.00	0.00
11q#143640_143660	11	56774100-56918249	144150	KS1BP1, SSRP1, P2RX3, PRG3, CR600406, PRG2, Z26	0		1	0.00	0.00
15q#177938_177943	15	18362555-18454109	91555		0		1	0.00	0.00
2q#35168_35175	2	212063135-212125235	62101	ERBB4	0		1	0.00	0.00
2q#35176_35214	2	212130750-212461177	330428	ERBB4	0		1	0.00	0.00
2q#35240_35244	2	212665713-212711067	45355	ERBB4	0		1	0.00	0.00
2q#35245_35249	2	212719004-212756556	37553	ERBB4	0		1	0.00	0.00
2q#35250_35316	2	212770698-213542079	771382	ERBB4	0		1	0.00	0.00
2q#35317_35324	2	213560803-213705087	144285	ZNFN1A2	0		1	0.00	0.00
2q#35392_35421	2	214415205-214704256	289052	SPAG16	0		1	0.00	0.00
2q#35742_35743	2	218474753-218485832	11080		0		1	0.00	0.00
2q#35753_35754	2	218565698-218572629	6932	TNS1	0		1	0.00	0.00
3p#45158_45215	3	85396126-85875524	479399	BC105999, IGSF4D	Inf		1	0.02	0.00
4p#54896_54898	4	9490990-9509070	18081	SLC2A9	0		1	0.00	0.00
4p#55772_55804	4	22252665-22796619	543955	GBA3, CR607430	0		1	0.00	0.00
4q#60548_60552	4	92514449-92540291	25843	AB051467	0		1	0.00	0.00
4q#60563_60605	4	92619157-93292561	673405	AB051467	0		1	0.00	0.00
4q#60910_60932	4	96645905-96879645	233741	UNC5C	0		1	0.00	0.00
4q#60972_61064	4	97832059-99204929	1372871	BX648305, MGC46496	0		1	0.00	0.00
5q#76717_76776	5	134382569-134908753	526185	PITX1, AK028965, H2AFY, C5orf20, NEUROG1	0		1	0.00	0.00
6p#80819_80827	6	494221-582886	88666	EXOC2	0		1	0.00	0.00
10q#131325_131329	10	43194697-43226354	31658	HNRPF	0		1	0.00	0.00
11p#142473_142492	11	36521841-36662748	140908	BC037344, RAG1, RAG2, C11orf74, AK095997	0		1	0.00	0.00
15q#183436_183463	15	73540323-73725350	185028	PTPN9, RNUT1, IMP3, AK057531	0		1	0.00	0.00
19p#209019_209026	19	22605752-22687217	81466	AB040906	0		1	0.00	0.00
19p#209030_209059	19	22745499-23143762	398264	BC037873, AK131472	0		1	0.00	0.00
19q#209226_209233	19	34783213-34820829	37617	POP4	0		1	0.00	0.00
19q#209291_209301	19	35655423-35747520	92098	ZNF536	0		1	0.00	0.00
1p#2246_2387	1	23745729-25208694	1462966	PIP1, MYOM3, BX647455, IL22RA1, IL28RA, BC033556,	0		1	0.00	0.00
1p#2565_2570	1	26662496-26722295	59800	BC015798, ARID1A	0		1	0.00	0.00
1p#2576_2610	1	26778396-26978591	200196	C015798, ZDHHC18, SFN, ATPBD1B, GPATC3, NR0B2,	0		1	0.00	0.00
9q#127833_127834	9	136947212-136950562	3351		0		1	0.00	0.00
4q#60145_60201	4	88345746-88894935	549190	44, KLHL8, AK123781, HSD17B13, DHRS8, NUDT9, SF	0		1	0.00	0.00
4q#60362_60396	4	90481690-91031994	550305	AK091461, LOC285513, CR605611, SNCA	0		1	0.00	0.00
4q#60444_60494	4	91631638-92067176	435539	MGC48628, AB051467	0		1	0.00	0.00
11p#141223_141243	11	19488501-19758231	269731	AB063115, NAV2	0		1	0.00	0.00
11p#141272_141286	11	20011070-20155521	144452	NAV2, AK057087, DBX1	0		1	0.00	0.00

12p#153523_153546	12	30741987-31074579	332593	C1QDC1, BC039526, BC084571, AK024399, AK096360	0	1	0.00	0.00
12p#153567_153568	12	31383497-31396719	13223		0	1	0.00	0.00
3p#44603_44608	3	75202988-75325561	122574		0	1	0.00	0.00
3p#44917_44923	3	80141862-80259306	117445		0	1	0.00	0.00
4q#67319_67328	4	189754471-189883579	129109	AY494056, AK095968	0	1	0.00	0.00
5q#71990_71993	5	67549843-67578633	28791	BC094795, PIK3R1	0	1	0.00	0.00
10q#134336_134337	10	82099899-82105011	5113	DYDC1	Inf	1	0.02	0.00
11q#143958_143978	11	59436207-59669731	233525	AB231702, AB231701, TME122, MS4A3, MS4A2	0	1	0.00	0.00
11q#143984_143993	11	59721175-59806517	85343	AB231731, MS4A4A	0	1	0.00	0.00
15q#178775_178804	15	30715296-30893233	177938	GAP11A, SCG5, GREM1, BC029107, CR749577, AK12	0	1	0.00	0.00
15q#178815_178826	15	30981596-31087494	105899	AK127078	0	1	0.00	0.00
15q#179122_179160	15	33522640-33916429	393790	ATPBD4, AK096400	0	1	0.00	0.00
15q#179170_179176	15	34048639-34111617	62979	AK096400	0	1	0.00	0.00
15q#179290_179304	15	35632785-36009633	376849		0	1	0.00	0.00
15q#179621_179627	15	38856841-38888425	31585	DNAJC17, ZFYVE19	0	1	0.00	0.00
15q#179817_179819	15	40191641-40212879	21239		0	1	0.00	0.00
15q#179820_179840	15	40217541-40402885	185345	PLA2G4F, VPS39, TME187A, GANC	0	1	0.00	0.00
15q#179841_179908	15	40408915-40924577	515663	, SNAP23, AK123438, LRR57, CEP27, CR627426, CR	0	1	0.00	0.00
4q#57899_57903	4	57531711-57585540	53830		0	1	0.00	0.00
4q#57925_57930	4	57756927-57809096	52170	IGFBP7	0	1	0.00	0.00
4q#58004_58013	4	59986528-60257966	271439		0	1	0.00	0.00
4q#59456_59469	4	80157669-80226657	68989	BMP2K, PAQR3	0	1	0.00	0.00
4q#59470_59471	4	80235672-80250055	14384		0	1	0.00	0.00
5q#77232_77254	5	139411170-139603521	192352	BC042448, PURA, LOC492311, CR627225, ORF1-FL49	0	1	0.00	0.00
5q#77255_77295	5	139619227-139926214	306988	1, HBEGF, SLC4A9, BX648362, MASK-BP3, APBB3, SL	0	1	0.00	0.00
5q#77377_77532	5	140445157-141538138	1092982	217745, PCDHB14, AK095496, AF329369, PCDHB15, A	0	1	0.00	0.00
5q#77889_77937	5	146356012-146944816	588805	2R2B, STK32A, AK094580, DPYSL3, BC077077, AK02	0	1	0.00	0.00
5q#77947_78131	5	147029750-148724190	1694441	AK5L3, AK054753, SPINK7, SPINK9, FBXO38, HTR4, AB	0	1	0.00	0.00
6p#81015_81097	6	2517133-3119598	602466	0, SERPINB9, SERPINB6, DKFZp686l15217, AB209779	0	1	0.00	0.00
11p#142779_142828	11	43392638-43898554	505917	TTC17, HSD17B12, AF088008, ALKBH3, AK097541	0	1	0.00	0.00
11p#143168_143176	11	47384514-47426773	42260	BX647491, SLC39A13, PSMC3, RAPS	0	1	0.00	0.00
12p#151080_151115	12	3413748-3757589	343842	AK125333, PRMT8, AK091124, EFCAB4B, CR627161	0	1	0.00	0.00
12p#151116_151123	12	3772199-3851160	78962	BC031073, PARP11	0	1	0.00	0.00
12p#151136_151234	12	4049648-5013227	963580	RAD51AP1, DYRK4, AKAP3, NDUFA9, BC043558, GALN	0	1	0.00	0.00
15q#181103_181126	15	52658113-53116550	458438	AL834407, AK127446	0	1	0.00	0.00
15q#181128_181132	15	53173602-53252210	78609	AK054599	0	1	0.00	0.00
15q#184897_184963	15	88341884-88811711	469828	, LOC390637, TTLL13, BC052201, NGRN, AK125370, M	0	1	0.00	0.00
15q#184989_185010	15	88999998-89168960	168963	BC038778, BLM	0	1	0.00	0.00
19q#209312_209315	19	36074722-36213288	138567		0	1	0.00	0.00
19q#209317_209331	19	36288875-36515098	226224	TSHZ3, BX648745	0	1	0.00	0.00
19q#209348_209350	19	37093935-37150627	56693		0	1	0.00	0.00
19q#209501_209502	19	38941218-38951666	10449	CHST8	0	1	0.00	0.00
19q#210710_210719	19	49918811-49989217	70407	BCL3, CBLC	0	1	0.00	0.00
3p#44339_44356	3	71349307-71507025	157719	FOXP1	0	1	0.00	0.00
3p#44576_44584	3	74627633-74758922	131290	CNTN3	0	1	0.00	0.00
11q#143467_143487	11	55399790-55516856	117067	OR5W2, OR5I1, AK055955	0	1	0.00	0.00
11q#143668_143673	11	56971299-57009049	37751	RTN4RL2, SLC43A1	0	1	0.00	0.00
15q#178660_178661	15	29150389-29156454	6066	TRPM1	0	1	0.00	0.00
15q#178674_178703	15	29279263-29515356	236094	KLF13, AK093758	0	1	0.00	0.00
4p#54017_54018	4	663677-667865	4189	MYL5, MFSD7	0	1	0.00	0.00
10q#135358_135610	10	94749119-97183136	2430418	6382, BC058549, AB040949, PLCE1, NOC3L, U61098, H	0	1	0.00	0.00
11q#143488_143507	11	55523089-55653425	130337		0	1	0.00	0.00
15q#178050_178056	15	20618219-20697573	79355	NIPA1, BX537997, BC044583	0	1	0.00	0.00
15q#178124_178127	15	22138119-22251030	112912		Inf	1	0.02	0.00
15q#179025_179029	15	32590643-32654620	63978	BX648160	0	1	0.00	0.00

4p#54027_54034	4	734945-799649	64705	PCGF3, CPLX1	0	1	0.00	0.00
2q#35764_35899	2	218656383-219645852	989470	SLC11A1, AK125889, CTDSP1, VIL1, USP37, RQCD1, F	0	1	0.00	0.00
2q#35927_35937	2	219771847-219846736	74890	NHEJ1	0	1	0.00	0.00
2q#35938_35965	2	219851712-219963854	112143	815, C2orf17, ZFAND2B, ABCB6, ATG9A, ANKZF1, GLB	0	1	0.00	0.00
2q#36034_36038	2	220335568-220374803	39236		0	1	0.00	0.00
5q#77533_77561	5	141564539-142002840	438302	SPRY4, FGF1	0	1	0.00	0.00
5q#77605_77634	5	142445558-142720866	275309	ARHGAP26, NR3C1	0	1	0.00	0.00
5q#77938_77946	5	146950159-147019712	69554	AK027578, JAKMIP2	0	1	0.00	0.00
5q#79135_79142	5	159993383-160057596	64214	AB018258	0	1	0.00	0.00
6p#80958_81014	6	1905172-2499943	594772	GMD5, AK023629, CR933638, AJ420566	0	1	0.00	0.00
6p#81399_81429	6	6212045-6495352	283308	F13A1, BC037936, FLJ33708	0	1	0.00	0.00
6p#81449_81521	6	6761073-7694206	933134	B1, AJ420492, SSR1, CAGE1, RIOK1, AF143325, DSP,	0	1	0.00	0.00
10q#131407_131415	10	44567691-44679097	111407	AK056518	0	1	0.00	0.00
10q#131561_131568	10	48075593-48866985	791393		0	1	0.00	0.00
10q#131709_131747	10	50376278-50765047	388770	ERCC6, CHAT, C10orf53, OGDHL, PARG	0	1	0.00	0.00
15q#180961_180995	15	50684671-51139063	454393	KIAA1370, ONECUT1	0	1	0.00	0.00
15q#181045_181102	15	51944498-52650142	705645	AK054849, AK091491, AL834407	0	1	0.00	0.00
15q#181133_181186	15	53256191-53651437	395247	orf15, RAB27A, PIGB, CCRPG1, BC051725, DYX1C1, AL	0	1	0.00	0.00
15q#183548_183580	15	74384465-74612062	227598	ETFA, ISL2, ZNF291	0	1	0.00	0.00
19q#210720_210721	19	49997626-50003620	5995		0	1	0.00	0.00
19q#210722_210726	19	50009055-50033163	24109	BCAM	0	1	0.00	0.00
19q#210727_210733	19	50043547-50097778	54232	PVRL2, X80038, TOMM40	0	1	0.00	0.00
1p#2388_2396	1	25246110-25314379	68270	SYF2, C1orf63	0	1	0.00	0.00
1p#2407_2564	1	25420528-26640058	1219531	PFAH2, EXTL1, SLC30A2, TRIM63, PDIK1L, GRRP1, C	0	1	0.00	0.00
1p#2571_2575	1	26737835-26769443	31609	ARID1A	0	1	0.00	0.00
1p#2611_2872	1	26986172-29348438	2362267	K12, PPP1R8, C1orf38, RPA2, SMPDL3B, XKR8, EYA3, A	0	1	0.00	0.00
1p#7351_7372	1	80604746-81279476	674731		0	1	0.00	0.00
1p#9080_9081	1	105108490-105139143	30654		0	1	0.00	0.00
2q#35151_35167	2	211565182-212049551	484370		0	1	0.00	0.00
2q#35422_35430	2	214712952-214805228	92277	SPAG16	0	1	0.00	0.00
2q#35755_35758	2	218583490-218610729	27240	TNS1	0	1	0.00	0.00
3p#45216_45251	3	85883036-86165190	282155	IGSF4D	Inf	1	0.02	0.00
3p#45403_45415	3	88917090-89114864	197775	M19503	0	1	0.00	0.00
4p#54894_54895	4	9477600-9483666	6067		0	1	0.00	0.00
4q#60863_60888	4	96208566-96447001	238436	BMPR1B, UNC5C	0	1	0.00	0.00
4q#60969_60971	4	97770281-97801944	31664		0	1	0.00	0.00
4q#61065_61135	4	99222259-99965564	743306	MGC46496, RAP1GDS1, TSPAN5	0	1	0.00	0.00
4q#61163_61192	4	100317673-100570806	253134	METAP1, ADH5, BX647987, ADH4, ADH6, ADH1A	0	1	0.00	0.00
4q#61740_61814	4	107654186-109132063	1477878	DKK2, PAPSS1, AF452717	0	1	0.00	0.00
4q#66086_66103	4	173157209-173290081	132873	GALNT17	0	1	0.00	0.00
6p#80828_80837	6	593433-677347	83915	EXOC2, AK092822	0	1	0.00	0.00
10q#131297_131314	10	42894870-43070337	175468	RET, GALNACT-2, RASGEF1A	0	1	0.00	0.00
10q#131540_131555	10	47954413-48039086	84674	ZNF488, RBP3, GDF2	0	1	0.00	0.00
10q#131779_131783	10	51736811-51773305	36495	TMEM23	0	1	0.00	0.00
15q#183727_183833	15	76075900-76759521	683622	31, ACSBG1, DNAJA4, WDR61, CRABP1, IREB2, LOC1	0	1	0.00	0.00
15q#183845_183857	15	76896445-76997390	100946	AK095823, MORF4L1	0	1	0.00	0.00
15q#185480_185486	15	95153333-95258472	105140		0	1	0.00	0.00
19q#209194_209198	19	34157751-34283359	125609	BC039394	0	1	0.00	0.00
19q#209259_209290	19	35101437-35647245	545809	BC026184, C19orf2, ZNF536	0	1	0.00	0.00
19q#209302_209309	19	35756269-35976986	220718		0	1	0.00	0.00
21q#219667_219796	21	34477295-35588028	1110734	C21orf51, BC042463, KCNE1, DSCR1, CLIC6, AK0257	0	1	0.00	0.00
1p#736_753	1	8387263-8558083	170821	REB	0	1	0.00	0.00
1p#1106_1126	1	11719273-11887703	168431	75558, AGTRAP, AL833920, MTHFR, CLCN6, NPPA, M	0	1	0.00	0.00
1p#1169_1188	1	12225810-12410973	185164	VPS13D	0	1	0.00	0.00
1p#1905_2002	1	20286065-21269686	983622	CAMK2N1, C1orf166, CDA, PINK1, DDOST, KIF17, AK14	0	1	0.00	0.00

11q#143933_143957	11	59265739-59426570	160832	BX538158, STX3, MRPL16, GIF, TCN1	0	1	0.00	0.00
11q#143994_144020	11	59816563-60000842	184280	MS4A4A, MS4A6E, MS4A7, NYD-SP21, MS4A5, MS4A1	0	1	0.00	0.00
11q#144158_144160	11	61084614-61106013	21400	SYT7	0	1	0.00	0.00
11q#144184_144187	11	61318450-61334168	15719	FEN1, FADS1	0	1	0.00	0.00
15q#178662_178673	15	29161686-29272813	111128	TRPM1	0	1	0.00	0.00
15q#178704_178722	15	29543498-29737464	193967	OTUD7, BC035668	0	1	0.00	0.00
10q#137002_137115	10	111695753-113252561	1556809	DC1, DUSP5, CSPG6, BX648563, PDCD4, BC073157, E	0	1	0.00	0.00
10q#137269_137375	10	115338993-116320037	981045	DCLRE1A, NHLRC2, AK126751, AF272890, C10orf118,	0	1	0.00	0.00
10q#137428_137501	10	116915361-117546214	630854	ATRN1	0	1	0.00	0.00
10q#134985_135077	10	90707191-91478972	771782	AK091558, IFIT2, IFIT3, AK096406, IFIT1L, IFIT1, IFIT5,	0	1	0.00	0.00
10q#138781_138801	10	131498353-131714040	215688	EBF3	0	1	0.00	0.00
15q#178128_178130	15	22272781-22329075	56295		Inf	1	0.02	0.00
15q#179016_179024	15	32517513-32578542	61030	BX648160	0	1	0.00	0.00
19p#207161_207162	19	5864207-5866847	2641	AK090469, CAPS	0	1	0.00	0.00
4q#58365_58416	4	67742173-68466175	724003	PO3, CENPC1, BRDG1, UBE1L2, BC043376, AJ617629,	0	1	0.00	0.00
6p#81098_81184	6	3127746-3963186	835441	96219, C6orf85, AL110245, AK096549, BC031944, C6orf	0	1	0.00	0.00
6p#81185_81205	6	3977406-4110815	133410	RPF4B, C6orf146, C6orf201, PEGI, BC040916, AK09244	0	1	0.00	0.00
10p#130496_130559	10	28689927-29725021	1035095	BC043365, WAC, BAMBI, BC033839, LYZL1	0	1	0.00	0.00
10p#130686_130687	10	31201784-31211950	10167	ZNF438	0	1	0.00	0.00
12p#150931_151039	12	2032959-2982747	949789	AF220048, ITFG2, NRIP2, CR597751, FOXM1, C12orf	0	1	0.00	0.00
12p#151124_151135	12	3861298-4023212	161915		0	1	0.00	0.00
15q#184964_184988	15	88817030-88992631	175602	IQGAP1, CRTC3, AK090443	0	1	0.00	0.00
19q#209464_209499	19	38533240-38921217	387978	CEBPG, PEPD, CR622600, CHST8	0	1	0.00	0.00
19q#210152_210175	19	44828229-45034694	206466	LOC400696, LGALS14, CLC, DYRK1B, FBL	0	1	0.00	0.00
19q#210271_210342	19	4587735-46476289	598555	22029, CYP2B6, CYP2A13, CYP2F1, X03541, CYP2S1,	0	1	0.00	0.00
19q#210343_210497	19	46489983-47753868	1263886	DMRTC2, RPS19, CD79A, ARHGEF1, AL832294, RABA	0	1	0.00	0.00
19q#210498_210510	19	47769622-47887956	118335	AK096849, CEACAM8	0	1	0.00	0.00
1p#7373_7385	1	81301210-81579850	278641	BC031321	0	1	0.00	0.00
1p#9082_9096	1	105179263-105688174	508912		0	1	0.00	0.00
4p#54035_54042	4	806855-871723	64869	CPLX1, GAK	0	1	0.00	0.00
1p#2016_2070	1	21470929-21989660	518732	NBPF3, ALPL, RAP1GAP, USP48, LDLRAD2, HSPG2	0	1	0.00	0.00
1p#2077_2108	1	22053914-22495702	441789	ELA3B, ELA3A, BC071749, CDC42, WNT4	0	1	0.00	0.00
1p#2147_2204	1	22815853-23420085	604233	CR607817, AOF2, LUZP1, AK093016, HTR1D, AL832124	0	1	0.00	0.00
1p#7758_7840	1	86293081-87262012	968932	856, ODF2L, CLCA2, CLCA1, CLCA4, CLCA3, SH3GLB1	0	1	0.00	0.00
1p#7924_7985	1	88938032-89469394	531363	F2B, KAT3, GBP3, CR626456, GBP1, GBP2, GBP7, GB	0	1	0.00	0.00
1p#8343_8369	1	93768265-94031786	263522	BCAR3, BC028477, AK090811	0	1	0.00	0.00
1p#8990_8993	1	102963693-103030472	66780		0	1	0.00	0.00
1p#9002_9006	1	103127007-103167165	40159	COL11A1	0	1	0.00	0.00
1p#9049_9069	1	104096196-104696872	600677		0	1	0.00	0.00
1p#696_735	1	7880921-8381100	500180	776, TNFRSF9, PARK7, ERRF1, AK130268, AF118274,	0	1	0.00	0.00
1p#754_1105	1	8566004-11710805	3144802	NNBIP1, LZIC, NMNAT1, RBP7, UBE4B, KIF1B, PGD, A	0	1	0.00	0.00
1p#1127_1168	1	11895538-12215521	319984	KIAA2013, PLOD1, MFN2, IIP45, TNFRSF8, TNFRSF1B	0	1	0.00	0.00
1p#1189_1221	1	12418497-12728979	310483	VPS13D, DHRS3, LOC343066, AK127828	0	1	0.00	0.00
1p#1573_1574	1	17070367-17081555	11189	ATP13A2	0	1	0.00	0.00
1p#7485_7493	1	83381408-83582373	200966		0	1	0.00	0.00
1p#7986_8069	1	89509592-90538432	1028841	GBP6, AK055805, LRRC8B, LRRC8C, LRRC8D, ZNF326	0	1	0.00	0.00
1p#8451_8532	1	94986838-96165278	1178441	BC033858, CNN3, ALG14, BC108263, TMEM56, BC0634	0	1	0.00	0.00
1p#8670_8696	1	97964751-98234475	269725	DPYD, AK094607, FLJ35409	0	1	0.00	0.00
5p#67499_67501	5	771310-802562	31253	AF251188	1.398928118	1	0.03	0.02
1p#566_577	1	6661396-6787675	126280	DNAJC11, CAMTA1	0	1	0.00	0.00
1p#1624_1904	1	17539523-20279308	2739786	KIAA0090, C1orf33, AFAR3, AKR7A3, AK021589, AKR	0	1	0.00	0.00
9q#127802_127827	9	136736180-136910753	174574	F161442, EGFL7, AGPAT2, FAM69B, AK054908, LCN1	0	1	0.00	0.00
2q#28938_28939	2	130680684-130700308	19625		0	1	0.00	0.00
2q#27244_27246	2	104613764-104660743	46980		0	1	0.00	0.00
2q#27255_27373	2	104916679-106605160	1688482	R45, BC019841, TGFBRAP1, AK058000, MGC5509, BC0	0	1	0.00	0.00

2q#27475_27504	2	108456814-108739479	282666	SULT1C2, GCC2, FLJ38668, AF527761, LIMS1	0	1	0.00	0.00
2q#27505_27523	2	108756880-108942850	185971	LIMS1, RANBP2, FLJ32745	0	1	0.00	0.00
2q#28940_28977	2	130715406-131489143	773738	MP4, PTPN18, GPR148, FLJ38377, BC025667, AK0910	0	1	0.00	0.00
1p#310_323	1	3568451-3676892	108442	FAM79A, WDR8, TP73, BC044603	0	1	0.00	0.00
1p#324_329	1	3683208-3716255	33048	KIAA0495, CCDC27	0	1	0.00	0.00
22q#222668_222669	22	28048420-28056658	8239	AP1B1	0	1	0.00	0.00
2q#35083_35150	2	210794308-211513027	718720	3861, ACADL, LOC646215, MYL1, LANCL1, AB208800,	0	1	0.00	0.00
2q#35900_35926	2	219651582-219765671	114090	R2, FEV, CRYBA2, DKFZp434O0527, BC034757, IHH, N	0	1	0.00	0.00
2q#35998_36004	2	220133722-220171860	38139	AK126500, AY603755	0	1	0.00	0.00
2q#36019_36031	2	220245980-220319837	73858	AB014557, INHA, STK111P, SLC4A3	0	1	0.00	0.00
3p#45416_45417	3	89133489-89145974	12486	M19503	0	1	0.00	0.00
4q#59663_59668	4	82569422-82695022	125601	EIF4E, D42084	0	1	0.00	0.00
4q#61136_61162	4	99986061-100308924	322864	AK095596, ANK2	0	1	0.00	0.00
4q#62218_62250	4	114199505-114556625	357121	ANK2, CAMK2D, ARSJ	0	1	0.00	0.00
4q#62251_62324	4	114567840-115343145	775306		0	1	0.00	0.00
10q#131331_131333	10	43243809-43264860	21052		0	1	0.00	0.00
10q#131354_131406	10	43452869-44521528	1068660	03, ZNF32, S63912, AK054825, AK093142, DQ345579,	0	1	0.00	0.00
10q#131417_131481	10	44704087-45337699	633613	25, ZNF22, BC026193, BC043276, BC043208, AK098688	0	1	0.00	0.00
10q#131773_131778	10	51581040-51723602	142563	ASAH2	0	1	0.00	0.00
15q#180996_181044	15	51161898-51919935	758038	WDR72	0	1	0.00	0.00
15q#183834_183838	15	76775255-76834132	58878		0	1	0.00	0.00
15q#185011_185022	15	89184954-89252301	67348	FURIN, FES, D55649, MAN2A2	0	1	0.00	0.00
15q#185468_185479	15	95080637-95145705	65069	AL137758, SPATA8	0	1	0.00	0.00
19q#209199_209225	19	34326994-34776912	449919	UQCRFS1, AK094793	0	1	0.00	0.00
19q#209234_209258	19	34829067-35094367	265301	PLEKHF1, C19orf12, CCNE1	0	1	0.00	0.00
2q#28303_28327	2	120344714-120576013	231300	PTPN4, EPB41L5	0	1	0.00	0.00
2q#28338_28339	2	120704052-120711167	7116		0	1	0.00	0.00
2q#28340_28350	2	120721977-120813797	91821	RALB	0	1	0.00	0.00
2q#29283_29292	2	135547241-135621205	73965	CCNT2, YSK4	0	1	0.00	0.00
2q#31517_31531	2	166472268-166580820	108553	BC056246, AB082523, TTC21B	0	1	0.00	0.00
2q#31683_31758	2	168625932-169456658	830727	STK39, LASS6	0	1	0.00	0.00
2q#28851_28865	2	128714693-128933879	219187	HS6ST1	0	1	0.00	0.00
3p#40471_40479	3	30550779-30655168	104390	TGFB2	0	1	0.00	0.00
4p#54887_54893	4	9381938-9471410	89473	AF073924, DRD5	0	1	0.00	0.00
4q#60936_60968	4	97005635-97742664	737030	PDHA2, CR594710	0	1	0.00	0.00
4q#66196_66212	4	174116653-174270179	153527	GALNT17	0	1	0.00	0.00
10q#131784_131845	10	51778762-52421609	642848	TMEM23, AK130022, ACF, D45864	0	1	0.00	0.00
10q#132014_132086	10	54103553-55461979	1358427	MBL2, AF083130, PCDH15	0	1	0.00	0.00
10q#132087_132164	10	55473084-56122476	649393	PCDH15	0	1	0.00	0.00
10q#132171_132198	10	56165984-56494493	328510	PCDH15, AK126923	0	1	0.00	0.00
19p#207579_207587	19	9728095-9803642	75548	AK097652, FBXL12, CR592319, UBL5	0	1	0.00	0.00
19p#207597_207604	19	9892231-9960911	68681	OLFM2, COL5A3	0	1	0.00	0.00
21q#219228_219235	21	30929052-31014267	85216		0	1	0.00	0.00
2q#28653_28663	2	125741880-126026003	284124		0	1	0.00	0.00
2q#29831_29836	2	142445731-142491903	46173	LRP1B	0	1	0.00	0.00
2q#29863_29880	2	142741830-143309561	567732		0	1	0.00	0.00
2q#29896_30200	2	143548967-148768578	5219612	TDC1, ZFHX1B, BX648102, BC040861, BC068242, M93	0	1	0.00	0.00
19p#207713_207726	19	10716707-10799643	82937	DNM2	0	1	0.00	0.00
19p#208292_208317	19	15579264-15782828	203565	CYP4F8, CYP4F3, CYP4F12, BC092420, OR10H1	0	1	0.00	0.00
21q#218660_218726	21	24718886-25781424	1062539	AK124194, BX538159, BC040319, U03237, AY035382	0	1	0.00	0.00
21q#218752_218758	21	25950668-25993104	42437	JAM2	0	1	0.00	0.00
21q#218759_218769	21	26000251-26066993	66743	JAM2, ATP5J, GABPA	0	1	0.00	0.00
21q#218770_218876	21	26071691-27237705	1166015	APP, AK125338, CYYR1, ADAMTS1, ADAMTS5	0	1	0.00	0.00
21q#218900_218902	21	27666776-27694574	27799	BC043580	0	1	0.00	0.00
21q#219351_219369	21	31862817-32028640	165824	SOD1, SFRS15	0	1	0.00	0.00

1p#3739_3751	1	39331307-39450269	118963	MACF1	0	1	0.00	0.00
1p#5891_5959	1	61817620-62442442	624823	TM2D1, INADL, ECAT11, ANKRD38	0	1	0.00	0.00
4q#67344_67362	4	190103492-190369794	266303		0	1	0.00	0.00
11q#143406_143411	11	54893780-54948870	55091		0	1	0.00	0.00
11q#143412_143429	11	54969741-55118273	148533		0	1	0.00	0.00
15q#178829_179003	15	31112167-32428574	1316408	RYR3, AVEN, CHR5, C15orf24, PGBD4, C15orf29, TM	0	1	0.00	0.00
15q#179035_179109	15	32796260-33412714	616455	CX36, AK092087, ACTC, AQR, FLJ20582, BX537862	0	1	0.00	0.00
15q#179557_179619	15	38482309-38846182	363874	D1, D4ST1, CR614561, CCDC32, RPU5D2, CASC5, RAL	0	1	0.00	0.00
15q#179967_180010	15	41346177-41638434	292258	CMT2, ADAL, AK126583, BC017179, ZNF690, 76P, TP	0	1	0.00	0.00
15q#180021_180046	15	41776053-41930766	154714	126721, BC047442, PDIA3, ELL3, AK093233, HYPK, MF	0	1	0.00	0.00
15q#180047_180111	15	41936549-42499436	562888	WDR76, BC051855, AK090572, FRMD5, CASC4	0	1	0.00	0.00
15q#180112_180194	15	42510976-43173192	662217	IF3S1, KIAA1840, BC036924, AK130783, B2M, DQ2328	0	1	0.00	0.00
15q#180202_180255	15	43201403-43538335	336933	6267, SLC28A2, GATM, AK056979, BC039389, SPATA	0	1	0.00	0.00
15q#180256_180285	15	43543590-43756132	212543	AK056686, SLC30A4, C15orf21, PLDN, SQRTL	0	1	0.00	0.00
15q#180313_180324	15	44390104-44753228	363125		0	1	0.00	0.00
15q#180325_180327	15	44782045-44838145	56101		Inf	1	0.02	0.00
19p#207551_207560	19	9401082-9495651	94570	ZNF266, ZNF560, AK024250	0	1	0.00	0.00
19p#207727_207822	19	10803520-11526070	722551	SPAN16, RAB3D, AK127147, AK127284, LPPR2, C19orf	0	1	0.00	0.00
19p#207911_207946	19	12307863-12601172	293310	VF443, BC014085, ZNF709, AK095600, ZNF564, AL834	0	1	0.00	0.00
21q#218639_218659	21	24169568-24705670	536103	BC043533	0	1	0.00	0.00
19p#207333_207337	19	7498185-7514314	16130	MCOLN1, NTE	0	1	0.00	0.00
1p#4769_4805	1	49252491-49647363	394873	AK094826	0	1	0.00	0.00
2q#37794_37827	2	240707632-241063133	355502	MYEOV2, OTOS	0	1	0.00	0.00
2q#37873_37877	2	241379994-241415107	35114	KIF1A	0	1	0.00	0.00
2q#37878_37893	2	241429280-241570237	140958	KIF1A, AGXT, FLJ22671	0	1	0.00	0.00
3p#44686_44695	3	77144758-77225336	80579	ROBO2	0	1	0.00	0.00
10q#134404_134413	10	83468135-83642196	174062	NRG3	0	1	0.00	0.00
10q#135894_135934	10	99493823-99885327	391505	YVE27, AF117758, SFRP5, C10orf132, CRTAC1, C10orf	0	1	0.00	0.00
15q#178766_178770	15	30405629-30694655	289027	AK125576, AK024210	0	1	0.00	0.00
15q#179011_179012	15	32454294-32458925	4632	GOLGA8A	0	1	0.00	0.00
19p#207426_207427	19	8200910-8207226	6317	LASS4	0	1	0.00	0.00
19p#207461_207464	19	8483823-8503459	19637	ZNF414, MYO1F	0	1	0.00	0.00
10q#136992_137001	10	111611178-111687691	76514	XPNPEP1	0	1	0.00	0.00
10q#137116_137268	10	113285376-115330419	2045044	TB, AC5L5, ZDHHC6, VTI1A, AK130806, AK074471, TCF	0	1	0.00	0.00
10q#137376_137427	10	116334631-116909840	575210	BLIM1, AK057834, KIAA1600, BC037207, TRUB1, ATRN	0	1	0.00	0.00
10q#137502_137531	10	117551775-117852964	301190	ATRN1, BX648964, GFRA1	0	1	0.00	0.00
2q#37991_37999	2	242695990-242784149	88160	AK125674, BC071667	0	1	0.00	0.00
10q#135231_135357	10	93590441-94737845	1147405	f13, BTAF1, CPEB3, MARCH5, AK124121, IDE, KIF11, I	0	1	0.00	0.00
10q#135611_135719	10	97191229-98137296	946068	ENTPD1, AK091396, C10orf130, CCNJ, ZNF518, CR600	0	1	0.00	0.00
10q#135794_135893	10	98796749-99482047	685299	C009463, PGAM1, EXOSC1, ZDHHC16, MMS19L, UBT	0	1	0.00	0.00
10q#138803_138817	10	131758872-131892775	133904	AK094118, CR592586, TXNL2, AK022131	0	1	0.00	0.00
11q#143450_143459	11	55290734-55340649	49916	OR5D13	0	1	0.00	0.00
11q#143879_143932	11	58810810-59252806	441997	OR4D11, OR4D9, OSBP, FLJ36874, AL831992, BX53815	0	1	0.00	0.00
11q#144161_144183	11	61114431-61313297	198867	040894, AK095332, C11orf11, AL117582, C11orf9, C11o	0	1	0.00	0.00
11q#144725_144726	11	65196885-65204658	7774		0	1	0.00	0.00
15q#178057_178058	15	20768896-20773190	4295		0	1	0.00	0.00
15q#178723_178737	15	29755311-29944455	189145	BC035668	0	1	0.00	0.00
10q#134651_134681	10	86980895-87497480	516586	BC041821, AL117638, AK097655, GRID1	0	1	0.00	0.00
10q#135115_135230	10	92210553-93580733	1370181	5810, ANKRD1, BC029544, BC007377, PCGF5, BC044	0	1	0.00	0.00
10q#135720_135731	10	98144890-98258420	113531	TLL2	0	1	0.00	0.00
10q#135781_135793	10	98693951-98786000	92050	MLR2, C10orf12, AK025166, SLIT1	0	1	0.00	0.00
10q#138818_138874	10	131909536-132705565	796030		0	1	0.00	0.00
15q#178738_178750	15	29960724-30107791	147068		0	1	0.00	0.00
15q#179013_179015	15	32482458-32511534	29077	GOLGA8A, BX648160	0	1	0.00	0.00
19p#207157_207160	19	5847916-5860869	12954	NDUFA11, VMAC	0	1	0.00	0.00

1p#9097_9109	1	105722935-106080285	357351	BC043293, BC031278	0	1	0.00	0.00
1p#9110_9120	1	106107236-106433497	326262		0	1	0.00	0.00
10q#134888_134895	10	89608496-89688292	79797	PTEN	0	1	0.00	0.00
10q#135078_135098	10	91488621-91737885	249265	MPHOSPH1, AK093219	0	1	0.00	0.00
1p#2071_2076	1	21995715-22048705	52991	HSPG2	0	1	0.00	0.00
1p#2109_2146	1	22507208-22806676	299469	ZBTB40, EPHA8, C1QA, C1QC, C1QB, EPHB2	0	1	0.00	0.00
1p#7386_7480	1	81596782-83289121	1692340	BC031321, AK123422, LPHN2, BC043539	0	1	0.00	0.00
1p#7496_7546	1	83677197-84274079	596883	BC036594, AK094174, TILL7, PRKACB	0	1	0.00	0.00
1p#7661_7757	1	85352399-86284299	931901	C1orf52, BCL10, AK125723, DDAH1, BX648145, CYR6	0	1	0.00	0.00
1p#7841_7923	1	87270238-88918782	1648545	022179, LOC339524, LMO4, BC043534, BC045705, AK1	0	1	0.00	0.00
4p#54043_54081	4	880103-1150598	270496	5KQ, SLC26A1, IDUA, FGFRL1, AK124578, LOC285498	0	1	0.00	0.00
1p#564_565	1	6648215-6655031	6817	DNAJC11	0	1	0.00	0.00
1p#578_583	1	6797911-6840042	42132	CAMTA1	0	1	0.00	0.00
1p#598_618	1	6980121-7191147	211027	CAMTA1	0	1	0.00	0.00
1p#687_695	1	7816094-7864871	48778	PER3, UTS2, BC025776	0	1	0.00	0.00
1p#1575_1623	1	17091177-17527490	436314	11, PADI2, AK127830, PADI1, AK026652, PADI3, PADI4	0	1	0.00	0.00
1p#8533_8565	1	96180998-96838515	657518	AK056049	0	1	0.00	0.00
1p#8626_8669	1	97587139-97957139	370001	DPYD	0	1	0.00	0.00
5p#67502_67503	5	812169-819095	6927	AF251188, AK096220	1.398928118	1	0.03	0.02
19p#206728_206763	19	2205013-2490255	285243	Z1, C19orf35, LSM7, SPPL2B, TMPRSS9, TIMM13, LMI	0	1	0.00	0.00
4p#54112_54114	4	1463978-1480915	16938		0	1	0.00	0.00
1p#349_404	1	3914626-4669900	755275	AK124708, AK093498, AJAP1	0	1	0.00	0.00
1p#406_411	1	4689479-4738922	49444	AJAP1	0	1	0.00	0.00
21p#217871_217880	21	9896630-10022365	125736	TPTE, BC090878	0	1	0.00	0.00
1p#294_298	1	3420807-3468003	47197	MEGF6	0	1	0.00	0.00
1p#283_290	1	3338056-3394896	56841	PRDM16, CR609468	0	1	0.00	0.00
1p#210_214	1	2562342-2599994	37653	MMEL1, AK096384	0	1	0.00	0.00
6p#81689_81691	6	10476020-10492784	16765		0	1	0.00	0.00
6p#81701_81704	6	10549386-10569664	20279		0	1	0.00	0.00
6p#81713_81716	6	10645400-10664603	19204	GCNT2	0	1	0.00	0.00
6p#81924_81936	6	13071396-13179969	108574	PHACTR1	0	1	0.00	0.00
6p#82759_82812	6	24691854-25230928	539075	THEM2, C6orf62, GMNN, AB002384, C6orf32, BC070382	0	1	0.00	0.00
1p#172_209	1	2313374-2553612	240239	X10, AK12591, PLCH2, PANK4, AL359943, TNFRSF14,	0	1	0.00	0.00
1p#225_236	1	2794865-2950866	156002		0	1	0.00	0.00
6p#81597_81618	6	8811135-9718449	907315		0	1	0.00	0.00
10q#131247_131260	10	42184626-42301789	117164	BC039000, MGC16291	0	1	0.00	0.00
10q#131749_131757	10	51177157-51236383	59227	AF005043, MSMB	0	1	0.00	0.00
10q#131765_131768	10	51263742-51306259	42518	TIMM23, AF005043	0	1	0.00	0.00
15q#185266_185269	15	91606534-91664288	57755	AK094352	0	1	0.00	0.00
19q#209676_209679	19	40695690-40709061	13372	ZD52F10, SBSN	0	1	0.00	0.00
19q#210040_210044	19	43986040-44003170	17131	LGALS4, ECH1	0.692294348	1	0.02	0.02
19q#210054_210063	19	44076179-44113670	37492	SIRT2, NFKBIB, SARS2, MRPS12	0	1	0.00	0.00
19q#211368_211373	19	54977034-55008683	31650	AP2A1, FLJ22688	0	1	0.00	0.00
19q#211374_211377	19	55012348-55032045	19698	MED25	0	1	0.00	0.00
19q#211378_211443	19	55040624-55626593	585970	1, BC030222, VRK3, ZNF473, FLJ26850, C19orf41, AK1	0	1	0.00	0.00
19q#212470_212475	19	63704294-63738997	34704	SLC27A5, ZNF499	0	1	0.00	0.00
2q#27164_27212	2	102770004-103779680	1009677	SLC9A2, MGC11332, AL832688, FLJ30294	0	1	0.00	0.00
2q#28978_29005	2	131496659-131749450	252792	AK127124, ARHGEF4, LOC130074, PLEKHB2	0	1	0.00	0.00
6p#83780_83782	6	32718991-32728546	9556	HLA-DQA1, BC003593	0	1	0.00	0.00
2q#35966_35997	2	219966676-220129192	162517	PTRN, RESP18, CR620362, DNPEP, CR611155, DES,	0	1	0.00	0.00
2q#36032_36033	2	220325128-220329534	4407	SLC4A3	0	1	0.00	0.00
3p#45458_45462	3	89549453-89581254	31802	EPHA3	0	1	0.00	0.00
5q#77562_77604	5	142015868-142438440	422573	FGF1, M60515, AL833138, ARHGAP26	0	1	0.00	0.00
6p#81206_81372	6	4122770-5871280	1748511	KU-MEL-3, CDYL, RPP40, AK094934, C6orf149, FARS2	0	1	0.00	0.00
6p#81373_81398	6	5887191-6205288	318098	BC036859, NRN1, F13A1	0	1	0.00	0.00

6p#81430_81448	6	6502407-6737445	235039	FLJ33708, LY86, AK098571	0	1	0.00	0.00
6p#81522_81574	6	7702882-8362735	659854	BMP6, TXNDC5, EEF1E1, SLC35B3	0	1	0.00	0.00
6p#83588_83605	6	31553631-31646250	92620	BC050408, MICB, BAT1, ATP6V1G2, NFKBIL1	0	1	0.00	0.00
6p#83632_83684	6	31752412-31991192	238781	C6orf25, DDAH2, CLIC1, MSH5, C6orf27, VARS, LSM2	0	1	0.00	0.00
6p#83685_83701	6	31995227-32104604	109378	11600, C2, CFB, RDBP, SKIV2L, DOM3Z, STK19, C4B,	0	1	0.00	0.00
6p#83702_83765	6	32119501-32558722	439222	PPT2, EGFL8, AGPAT1, RNF5, AGER, PBX2, GPSPM	0	1	0.00	0.00
6p#83853_83864	6	33239071-33282571	43501	COL11A2, RXRB, SLC39A7, HSD17B8	0	1	0.00	0.00
6p#83957_83970	6	34002089-34187994	185906	GRM4	0	1	0.00	0.00
6p#84137_84138	6	35609983-35623813	13831		0	1	0.00	0.00
6p#84464_84482	6	38446383-38617667	171285	BTBD9	0	1	0.00	0.00
10q#131272_131281	10	42407784-42544784	137001	ZNF33B, AK123067, BC035410	0	1	0.00	0.00
15q#180707_180710	15	48556319-48579109	22791	USP8	0	1	0.00	0.00
15q#180711_180726	15	48589964-48728306	138343	USP50, TRPM7	0	1	0.00	0.00
19q#210263_210270	19	45796914-45870880	73967	LTPP4, LOC389286	0	1	0.00	0.00
19q#210536_210613	19	48500241-49071468	571228	RCC1, AK129550, AK128554, IRGQ, ZNF576, C19orf37,	0	1	0.00	0.00
2q#35078_35082	2	210738413-210779480	41068	FLJ23861	0	1	0.00	0.00
3p#45436_45438	3	89364342-89375850	11509	EPHA3	0	1	0.00	0.00
3p#45455_45457	3	89531802-89543933	12132	EPHA3	0	1	0.00	0.00
4q#62652_62714	4	121200425-122155446	955022	MAD2L1, PRDM5	0	1	0.00	0.00
4q#62715_62794	4	122164810-123166705	1001896	91, TNIP3, GPR103, ANXA5, FLJ30834, EXOSC9, CCNA	0	1	0.00	0.00
4q#62795_62805	4	123178828-123406045	227218	TRPC3	0	1	0.00	0.00
4q#62806_62827	4	123425613-123602629	177017	DQ335469	0	1	0.00	0.00
4q#62828_62850	4	123616768-123891686	274919	DQ335469, Tenr, IL2, IL21	0	1	0.00	0.00
4q#62851_62914	4	123896837-124475537	578701	IL21, BC045668, FLJ35630, FGF2, NUDT6, SPATA5	0	1	0.00	0.00
4q#62954_63032	4	125095083-126714175	1619093	BC033378, AK057455, ANKRD50, FAT4	0	1	0.00	0.00
4q#63033_63058	4	126725295-127379225	653931	FAT4, AK091292	0	1	0.00	0.00
4q#63068_63102	4	127744531-128607638	863108		0	1	0.00	0.00
4q#63103_63106	4	128626078-128681703	55626		0	1	0.00	0.00
4q#63191_63201	4	129699773-129969547	269775	AK093416	0	1	0.00	0.00
4q#63248_63296	4	130526918-131913589	1386672	BC035172, BC041448	0	1	0.00	0.00
4q#63303_63311	4	132159513-132472311	312799		0	1	0.00	0.00
4q#63480_63494	4	136256883-136740782	483900		0	1	0.00	0.00
4q#65345_65346	4	162728615-162733937	5323	FSTL5	0	1	0.00	0.00
4q#65347_65422	4	162739367-163431176	691810	FSTL5	0	1	0.00	0.00
4q#65423_65427	4	163442471-163522126	79656	FSTL5	0	1	0.00	0.00
4q#65428_65430	4	163575361-163643755	68395		0	1	0.00	0.00
4q#65431_65446	4	163669203-164190447	521245		0	1	0.00	0.00
4q#65467_65576	4	164611229-165908711	1297483	NPY1R, NPY5R, TKTL2, FLJ11184, MARCH1, AL713759	0	1	0.00	0.00
10p#130396_130408	10	27653437-27745932	92496	PTCHD3	Inf	1	0.02	0.00
10q#131282_131295	10	42566456-42850656	284201	BMS1L	0	1	0.00	0.00
10q#131334_131353	10	43269919-43448145	178227	AK127450, ZNF239, ZNF485, BC033403	0	1	0.00	0.00
10q#131769_131772	10	51450856-51496232	45377	AK127766	0	1	0.00	0.00
15q#180696_180706	15	48482677-48551329	68653	USP8	0	1	0.00	0.00
15q#183839_183843	15	76841291-76879980	38690	ADAMTS7	0	1	0.00	0.00
2q#27968_27992	2	115362605-115589390	226786	DPP10	0	1	0.00	0.00
2q#28328_28337	2	120587008-120695366	108359	EPB41L5, AF530474	0	1	0.00	0.00
2q#28929_28931	2	130483490-130503078	19589	LOC440905	0	1	0.00	0.00
2q#29105_29135	2	133316118-133674780	358663	AK124659, AY946007, FLJ34870	0	1	0.00	0.00
2q#29243_29282	2	135160681-135539040	378360	DKFZP566N034, AL122044, ACMSD, CR627263, CCNT2,	0	1	0.00	0.00
2q#29293_29312	2	135627774-135791308	163535	RAB3GAP1, AL136824	0	1	0.00	0.00
3p#40299_40390	3	28046129-29437173	1391045	GC61571, AZI2, BC094696, ZCWPW2, AK090970, RBM4,	0	1	0.00	0.00
3p#40402_40470	3	29556608-30518104	961497	RBMS3	0	1	0.00	0.00
4q#61859_61867	4	109654360-109849038	194679	AK094992	0	1	0.00	0.00
4q#62062_62115	4	111771333-112833532	1062200	ENPEP, PITX2, AK127829	0	1	0.00	0.00
4q#62116_62174	4	112889399-113794262	904864	FLJ39370, C4orf16, TIFA, AK026323, ALPK1, NEUROG4	0	1	0.00	0.00

4q#62175_62214	113798531-114140213	341683	LOC91431, C4orf21, BC066945, HDCMA18P, AK095596	0	1	0.00	0.00
4q#62215_62217	114159634-114186986	27353	AK095596	0	1	0.00	0.00
4q#62325_62332	115393278-115598439	205162		0	1	0.00	0.00
4q#62341_62353	115875473-116069501	194029	AK127970, UGT8	0	1	0.00	0.00
4q#62392_62478	116431084-119011869	2580786	BC050298, TRAM1L1	0	1	0.00	0.00
4q#63207_63213	130087679-130135690	48012	PHF17	0	1	0.00	0.00
10q#131482_131483	45350690-45358281	7592	MARCH8	0	1	0.00	0.00
21q#219592_219607	33876054-33982555	106502	DONSON, CRYZL1, ITSM1	0	1	0.00	0.00
2q#28037_28161	115999706-118554439	2554734	DPP10, DDX18, CCDC93	0	1	0.00	0.00
2q#28289_28302	120236454-120334139	97686	PTPN4	0	1	0.00	0.00
2q#28351_28379	120822517-121289104	466588	INHBB, FLJ14816, DQ004397, GLI2	0	1	0.00	0.00
2q#28380_28383	121302555-121327435	24881	GLI2	0	1	0.00	0.00
2q#28397_28403	121456213-121576745	120533	GLI2	0	1	0.00	0.00
2q#29626_29639	140295374-140478546	183173		0	1	0.00	0.00
2q#29780_29830	141969138-142429298	460161	LRP1B	0	1	0.00	0.00
2q#29837_29862	142501622-142729634	228013	LRP1B	0	1	0.00	0.00
2q#30201_30378	148789393-151562468	2773076	21, AB011103, LOC130576, MGC52057, C2orf25, FLJ32	0	1	0.00	0.00
2q#31891_31905	170603480-170737968	134489	AK128490, ZNF650	0	1	0.00	0.00
2q#31938_32152	171050540-173270748	2220209	ASP2, TLK1, AK090779, METTL8, C2orf37, CYBRD1, D	0	1	0.00	0.00
2q#32153_32223	173283152-173962857	679706	PDK1, CR594556, AL157450, RAPGEF4, ZAK, BC04056	0	1	0.00	0.00
2q#32224_32294	173975926-174937073	961148	CDCAT, SP3, PTD004	0	1	0.00	0.00
2q#28647_28652	125562796-125705740	142945		0	1	0.00	0.00
2q#28664_28682	126061065-126632478	571414		0	1	0.00	0.00
2q#28845_28850	128633238-128685583	52346	UGCGL1	0	1	0.00	0.00
19p#207562_207578	9504590-9707178	202589	ZNF426, ZNF121, ZNF561, BC036632, ZNF562	0	1	0.00	0.00
19p#207588_207596	9812885-9884957	72073	PIN1, OLFM2	0	1	0.00	0.00
2q#28737_28754	127731181-127879630	148450	ERCC3, AK093893, MAP3K2, AF370412	0	1	0.00	0.00
1p#4806_4850	49664463-50251615	587153	AK094826, CR595508	0	1	0.00	0.00
1p#5519_5524	57322932-57359189	36258	DAB1	0	1	0.00	0.00
1p#5624_5662	58257959-58677593	419635	DAB1, AF263547, OMA1	0	1	0.00	0.00
1p#5704_5778	59165401-60062573	897173	FLJ10986, BC042048, HOOK1	0	1	0.00	0.00
1p#5787_5813	60161428-60748376	586949	C1orf87, AF279783	0	1	0.00	0.00
1p#5814_5890	60768439-61796066	1027628	AF279783, AK097193, BC030753, NFIA	0	1	0.00	0.00
1p#6141_6176	64549069-64955513	406445	CACHD1, BC039301, RAVR2	0	1	0.00	0.00
1p#6177_6194	64967138-65182343	215206	RAVR2, JAK1, BC062431, AK126239	0	1	0.00	0.00
11q#143430_143434	55124730-55158137	33408		0	1	0.00	0.00
11q#144074_144109	60414778-60705552	290775	PF19, TMEM109, TMEM132A, SLC15A3, CD6, CD5, VPS	0	1	0.00	0.00
15q#179004_179009	32431027-32443547	12521	NUT, AGPAT7	0	1	0.00	0.00
15q#179031_179034	32676783-32751494	74712		0	1	0.00	0.00
15q#180195_180201	43176993-43198489	21497	DUOX2, LOC405753, NIP	0	1	0.00	0.00
19p#207471_207493	8572581-8840461	267881	ADAMTS10, MGC33407, ZNF558, MBD3L1, MUC16	0	1	0.00	0.00
19p#207947_207960	12605731-12682224	76494	MAN2B1, PTD008, MORG1, DHPS, FBXW9, TNPO2	0	1	0.00	0.00
19p#207961_208075	12692435-13710268	1017834	, GCDH, CR620067, FARSLA, CALR, RAD23A, GADD4	0	1	0.00	0.00
10q#138019_138032	123059384-123162436	103053	AB030073	0	1	0.00	0.00
19p#207174_207218	5995361-6384669	389309	MILLT1, ASAH3, CLPP, ALKBH7, AK055490, GTF2F1, KH	0	1	0.00	0.00
19p#207338_207340	7520673-7534172	13500	NTE	0	1	0.00	0.00
1p#6700_6716	71342416-71598515	256100	BC054887, NEGR1	0	1	0.00	0.00
10q#131501_131502	46371243-46385023	13781	SYT15	0	1	0.00	0.00
10q#134414_134503	83652547-84433671	781125	NRG3	0	1	0.00	0.00
10q#134504_134510	84442887-84499809	56923	NRG3	0	1	0.00	0.00
10q#134566_134569	85561872-85647388	85517		0	1	0.00	0.00
10q#134570_134649	85672496-86898096	1225601	10orf99, PCDH21, LRRC22, LRRC21, RGR, AK056561,	0	1	0.00	0.00
10q#135935_136222	99894437-102589002	2694566	264, COX15, CUTC, ABCC2, DNMBP, AL833283, CPN1	0	1	0.00	0.00
11q#143720_143727	57319597-57412086	92490	CTNND1	0	1	0.00	0.00
15q#178764_178765	30249934-30298155	48222	AK125576	0	1	0.00	0.00

19p#207399_207425	19	7916206-8189273	273068	ELAVL1, AY203940, CCL25, FBN3, LASS4	0	1	0.00	0.00
19p#207465_207467	19	8511765-8534877	23113	MYO1F	0	1	0.00	0.00
21q#217941_217963	21	14517303-14659554	142252	RBM11, ABCC13, AF418600	0	1	0.00	0.00
10q#137792_137867	10	120809152-121420943	611792	S10, FAM45A, SFXN4, PRDX3, GRK5, RGS10, TIAL1, E	0	1	0.00	0.00
10q#136788_136867	10	107369433-108722262	1352830	BC036309, BC028293, SORCS1	0	1	0.00	0.00
10q#136894_136991	10	109029157-111595445	2566289	BC045687	0	1	0.00	0.00
10q#137868_137896	10	121426818-121640793	213976	BAG3, INPP5F, AL137528, C10orf119	0	1	0.00	0.00
1p#9121_9174	1	106457644-107579387	1121744	PRMT6, NTNG1	0	1	0.00	0.00
1p#9175_9194	1	107587265-107761458	174194	NTNG1	0	1	0.00	0.00
1p#9195_9247	1	107771331-108355949	584619	VAV3	0	1	0.00	0.00
1p#9258_9263	1	108467581-108638414	170834	AF211971	0	1	0.00	0.00
1p#9705_9790	1	112703607-113631265	927659	STTL, CAPZA1, AF338193, MOV10, RHOC, PPM1J, FAM	0	1	0.00	0.00
10q#134682_134748	10	87504374-88063763	559390	GRID1	0	1	0.00	0.00
10q#134850_134887	10	89253592-89600925	347334	MINPP1, PAPSS2, ATAD1, BC031631	0	1	0.00	0.00
10q#135099_135114	10	91750698-92200277	449580	BC030278	0	1	0.00	0.00
1p#1476_1488	1	16070121-16119672	49552	AF085964, C1orf64, HSPB7, CLCNKA, CLCNKB	0	1	0.00	0.00
10q#134755_134770	10	88130502-88267390	136889	WAPAL	0	1	0.00	0.00
1p#1535_1538	1	16516152-16531799	15648	NECAP2	0	1	0.00	0.00
1p#7629_7660	1	85054712-85337189	282478	MCOLN2, BX64851, MCOLN3, WDR63	0	1	0.00	0.00
1p#1222_1227	1	12740597-12774512	33916	C1orf158, AK026705	0	1	0.00	0.00
1p#1236_1332	1	13002452-14937190	1934739	AF336885, PDPN, PRDM2, KIAA1026	0	1	0.00	0.00
1p#1567_1572	1	17030134-17062672	32539	CROCC, MFAP2, AK130020, ATP13A2	0	1	0.00	0.00
1p#7481_7484	1	83298495-83359857	61363	BC043539	0	1	0.00	0.00
1p#7494_7495	1	83603746-83635088	31343		0	1	0.00	0.00
4p#54082_54088	4	1153155-1204745	51591	SPON2, CR627052, CTBP1	0	1	0.00	0.00
19p#206837_206857	19	3093380-3302640	209261	GNA15, NCLN, BRUNOL5	0	1	0.00	0.00
19p#206764_206787	19	2506088-2715083	208996	GNG7, AK024373, DIRAS1, SLC39A3, SGTA	0	1	0.00	0.00
1p#584_597	1	6855700-6969341	113642	CAMTA1	0	1	0.00	0.00
1p#619_686	1	7202260-7805632	603373	CAMTA1, VAMP3, PER3	0	1	0.00	0.00
1p#1333_1435	1	14946536-15768725	822190	7963, BC045184, EFHD2, CTRC, ELA2A, ELA2B, CASP	0	1	0.00	0.00
1p#8566_8625	1	96855364-97572634	717271	PTBP2, DPYD	0	1	0.00	0.00
4p#54089_54090	4	1218281-1225178	6898	CTBP1	0	1	0.00	0.00
1p#512_547	1	6275759-6566937	291179	OT7, HES2, ESPN, TNFRSF25, PLEKHG5, NOL9, TAS1	0	1	0.00	0.00
1p#560_563	1	6628657-6641091	12435	THAP3, DNAJC11	0	1	0.00	0.00
1p#2398_2404	1	25318800-25402337	83538	C1orf63, BC041843, RHD	0	1	0.00	0.00
4p#54115_54117	4	1488174-1508063	19890		0	1	0.00	0.00
1p#330_336	1	3720216-3762639	42424	LRRC47, KIAA0562	0	1	0.00	0.00
19p#206488_206489	19	544916-551072	6157	HCN2	0	1	0.00	0.00
1p#291_292	1	3399732-3406143	6412	CR609468, ARHGEF16	0	1	0.00	0.00
1p#263_280	1	3157982-3307497	149516	PRDM16	0	1	0.00	0.00
22q#223041_223049	22	30563744-30616079	52336	DEPDC5	0	1	0.00	0.00
22q#223069_223103	22	30770787-31068483	297697	C5A1, LOC150297, RFFL2, BC051910, SLC5A4, BX648	0	1	0.00	0.00
1p#215_217	1	2614922-2665574	50653		0	1	0.00	0.00
1p#218_224	1	2717889-2784541	66653		0	1	0.00	0.00
1p#237_241	1	2955843-2975533	19691		0	1	0.00	0.00
1p#242_244	1	2980340-2999635	19296	AL713743	0	1	0.00	0.00
1p#245_246	1	3013052-3019932	6881	PRDM16	0	1	0.00	0.00
1p#247_261	1	3029282-3144135	114854	PRDM16	0	1	0.00	0.00
1p#281_282	1	3317166-3332103	14938	PRDM16	0	1	0.00	0.00
1p#337_345	1	3769452-3823263	53812	PRDM16	0	1	0.00	0.00
1p#346_348	1	3828805-3842289	13485	KIAA0562, DFFB	0	1	0.00	0.00
1p#412_450	1	4753696-5644605	890910	C1orf174	0	1	0.00	0.00
1p#451_472	1	5676854-5983997	307144	AJAP1, CR936609, AK125078	0	1	0.00	0.00
1p#473_511	1	5996910-6265668	268759	BC039532, NPHP4	0	1	0.00	0.00
1p#548_559	1	6572226-6628516	56291	RPL22, FLJ46380, C1orf188, ICMT, C1orf211, CR627473	0	1	0.00	0.00
				TAS1R1, HKR3, KLHL21, PHF13, AY069975, THAP3	0	1	0.00	0.00

1p#1436_1474	1	15775356-16060290	284935	8595, BC019895, FBLIM1, CR604326, BX537499, AK124	0	1	0.00	0.00
1p#1490_1492	1	16132878-16143280	10403	C1orf117	0	1	0.00	0.00
1p#1493_1528	1	16152483-16467965	315483	EPHA2, ARHGEF19, C1orf89, FBXO42, C1orf144	0	1	0.00	0.00
1p#1529_1534	1	16469124-16508856	39733	AK130020, SPATA21	0	1	0.00	0.00
1p#1547_1548	1	16693433-16708938	15506	AK130020	Inf	1	0.02	0.00
1p#4902_4911	1	50861804-50942942	81139	FAF1	0	1	0.00	0.00
1p#4912_4914	1	50953513-50969827	16315	FAF1	0	1	0.00	0.00
1p#4915_5019	1	50979300-52125363	1146064	995, AK127900, RNF11, AF007170, EPS15, AK128043,	0	1	0.00	0.00
1p#5020_5067	1	52139303-52588836	449534	B, TXNDC12, BTF3L4, ZFYVE9, CC2D1B, ORC1L, PRF	0	1	0.00	0.00
1p#5068_5186	1	52595789-53635638	1039850	ZYG11B, ZYG11A, ECHDC2, SCP2, PODN, SLC1A7, CF	0	1	0.00	0.00
1p#5187_5209	1	53642491-53827999	185509	DMRTB1, GLIS1	0	1	0.00	0.00
1p#5210_5268	1	53834130-54289744	455615	EM48, YIPF1, DIO1, C1orf41, LRRC42, LDLRAD1, TMEM	0	1	0.00	0.00
1p#5282_5324	1	54380632-54851718	471087	RPL37, SSBP3, AK091112, ACO111, AB014607, C1orf1	0	1	0.00	0.00
1p#5477_5518	1	56944921-57311520	366600	C1orf168, C8A, C8B, DAB1	0	1	0.00	0.00
1p#5525_5623	1	57368524-58250331	881808	DAB1	0	1	0.00	0.00
1p#5663_5703	1	58683866-59118994	435129	DMA1, TACSTD2, AB067502, CR627323, JUN, AK05515	0	1	0.00	0.00
1p#5779_5786	1	60068837-60152251	83415	CYP2J2	0	1	0.00	0.00
1p#5960_5977	1	62451989-62651667	199679	ANKRD38, USP1, DOCK7	0	1	0.00	0.00
1p#5978_6059	1	62666634-63711178	1044545	7, BC030752, ATG4C, BC040309, ALG6, ITGB3BP, KIA	0	1	0.00	0.00
1p#6259_6308	1	65787781-66346820	559040	LEPR, BC036581, PDE4B	0	1	0.00	0.00
1p#6343_6352	1	66739255-66821292	82038	SGIP1	0	1	0.00	0.00
1p#6353_6415	1	66834961-67408450	573490	EX1D1, INSL5, WDR78, MIER1, D87449, SLC35D1, C1c	0	1	0.00	0.00
1p#6416_6420	1	67417933-67459591	41659	IL23R	0	1	0.00	0.00
1p#6421_6446	1	67471993-67844393	372401	IL12RB2, SERBP1	0	1	0.00	0.00
1p#6464_6500	1	67973791-68387023	413233	GNG12, AK124028, DIRAS3, GPR177	0	1	0.00	0.00
1p#6501_6511	1	68394885-68541789	146905	GPR177	0	1	0.00	0.00
1p#6527_6553	1	68682417-69454106	771690	BC016787, BC041050	0	1	0.00	0.00
1p#6554_6587	1	69501916-70051344	549429	BC080568, AF498274, LRRC7	0	1	0.00	0.00
1p#6588_6699	1	70070265-71316699	1246435	FRS11, ANKRD13C, HHLA3, CTH, BC041441, PTGER3,	0	1	0.00	0.00
1p#6717_6724	1	71607350-71676522	69173	NEGR1	0	1	0.00	0.00
1p#6725_6825	1	71691174-73004895	1313722	NEGR1, BC043521	0	1	0.00	0.00
1p#6826_6834	1	73021689-73340894	319206		0	1	0.00	0.00
1p#6835_6843	1	73377164-73590806	213643	BC041341	0	1	0.00	0.00
1p#9264_9267	1	108726439-108776488	50050	AF211971	0	1	0.00	0.00
1q#10374_10384	1	142444242-142532085	87844	NBPF1	Inf	1	0.02	0.00
1q#11101_11120	1	150303528-150426725	123198	S100A5, S100A2, S100A16, S100A14, S100A13, C1orf7	Inf	1	0.02	0.00
1q#11121_11154	1	150428709-150638192	209484	18362, SNAPAP, ILF2, NPR1, INTS3, SLC27A3, GATAD	Inf	1	0.02	0.00
1q#15445_15451	1	199717225-199747581	30357	C1orf37	1.044194198	1	0.05	0.05
2q#27247_27254	2	104721618-104909310	187693	AK096621, AK096498	0	1	0.00	0.00
2q#27374_27474	2	106614640-108446096	1831457	CR626349, AK097754, SLC5A7, SULT1C3, SULT1C1,	0	1	0.00	0.00
2q#27524_27543	2	108954034-109265545	311512	EDAR	0	1	0.00	0.00
2q#27544_27584	2	109292289-109757764	465476	AK000026, AK074131, SEPT10, C2orf26	0	1	0.00	0.00
2q#27585_27707	2	109784570-112443406	2658837	040607, BC041362, BC022268, ACOXL, FLJ44006, BC	0	1	0.00	0.00
2q#27708_27823	2	112449471-113458868	1009398	131416, ZC3H6, BX649154, TTL, POLR1B, CHCHD5, S	0	1	0.00	0.00
2q#27824_27877	2	113462226-114036955	574730	1F6, IL1F8, IL1F5, IL1F10, BC068441, IL1RN, PSD4, AK	0	1	0.00	0.00
2q#28162_28288	2	118560130-120227218	1667089	L2, STEAP3, LOC130355, DBI, TMEM37, SCTR, MGC3	0	1	0.00	0.00
2q#28384_28396	2	121340276-121449220	108945	GLI2	0	1	0.00	0.00
2q#28404_28431	2	121603036-121889432	286397	BC020554, TFCEP2L1, CLASP1	0	1	0.00	0.00
2q#28432_28501	2	121895897-123163951	1268055	CLASP1, AK098264, MKI67IP, TSN	0	1	0.00	0.00
2q#28502_28573	2	123202383-124771359	1568977	AK092193, CNTNAP5	0	1	0.00	0.00
2q#28574_28609	2	124779169-125109554	330386	CNTNAP5	0	1	0.00	0.00
2q#28610_28646	2	125118497-125522129	403633	CNTNAP5	0	1	0.00	0.00
2q#28683_28717	2	126676236-127512297	836062	GYPC	0	1	0.00	0.00
2q#28718_28723	2	127522206-127573302	51097	BIN1	0	1	0.00	0.00
2q#28724_28736	2	127579660-127722102	142443	BIN1, FLJ16008, AK131790	0	1	0.00	0.00

2q#28755_28758	2	127885324-127901608	16285	AF370412, PROC	0	1	0.00	0.00
2q#28759_28801	2	127914565-128224856	310292	, AK023543, AK000145, CR627350, LIMS2, AF527766,	0	1	0.00	0.00
2q#28802_28844	2	128232955-128627610	394656	DR33, AK095788, POLR2D, MGC4268, SAP130, UGCG	0	1	0.00	0.00
2q#28915_28916	2	130280811-130313127	32317		0	1	0.00	0.00
2q#28917_28928	2	130333378-130476419	143042	AK123402, AK123452	0	1	0.00	0.00
2q#28932_28936	2	130626674-130659385	32712	FLJ20297, AB037839, FLJ14346	0	1	0.00	0.00
2q#29006_29025	2	131773542-132090113	316572	PLEKHB2, BC018206, BC093080	0	1	0.00	0.00
2q#29026_29028	2	132100259-132111416	11158	BC093080	0	1	0.00	0.00
2q#29038_29042	2	132270153-132327663	57511	BX648270, C2orf27	0	1	0.00	0.00
2q#29043_29046	2	132341117-132428821	87705	C2orf27	0	1	0.00	0.00
2q#29047_29054	2	132445101-132794211	349111	BC045801	0	1	0.00	0.00
2q#29055_29068	2	132845876-132981239	135364	BC045801, AK094599, AK096920	0	1	0.00	0.00
2q#29136_29242	2	133684154-135149377	1465224	LJ34870, BX647087, MGAT5, AL122044, DKFZP566N03	0	1	0.00	0.00
2q#29313_29344	2	135799098-136095789	296692	ZRANB3	0	1	0.00	0.00
2q#29345_29355	2	136101201-136161581	60381	ZRANB3, R3HDM1	0	1	0.00	0.00
2q#29375_29391	2	136301486-136437743	136258	R3HDM1, UBXD2, LCT, MCM6	0	1	0.00	0.00
2q#29392_29397	2	136444132-136474660	30529	MCM6	0	1	0.00	0.00
2q#29398_29437	2	136487177-137214959	727783	DARS, CXCR4	0	1	0.00	0.00
2q#29438_29452	2	137231250-137550837	319588		0	1	0.00	0.00
2q#29453_29625	2	137565108-140267411	2702304	051466, BC039470, HNMT, CR626194, LOC339745, NXI	0	1	0.00	0.00
2q#29640_29690	2	140487966-141116334	628369	LRP1B	0	1	0.00	0.00
2q#29691_29778	2	141122421-141947823	825403	LRP1B	0	1	0.00	0.00
2q#30379_30585	2	151594970-154364399	2769430	FB, AK054652, ARL5A, CACNB4, STAM2, FMNL2, AF15	0	1	0.00	0.00
2q#30586_30666	2	154394706-155448968	1054263	AK131195, GALNT13, U39196, KCNJ3	0	1	0.00	0.00
2q#30667_30687	2	155455240-155806826	351587	KCNJ3	0	1	0.00	0.00
2q#31906_31937	2	170743145-171044664	301520	ZNF650, MYO3B	0	1	0.00	0.00
2q#32295_32331	2	174942721-175324794	382074	AL833646, CIR, SCR3, GPR155, BC046497, WASPIP	0	1	0.00	0.00
2q#32332_32336	2	175334893-175374068	39176	BC046497	0	1	0.00	0.00
2q#32337_32382	2	175382244-175764818	382575	BC046497, CHRNA1, CHN1, ATF2	0	1	0.00	0.00
2q#37828_37829	2	241072363-241079320	6958		0	1	0.00	0.00
2q#37831_37837	2	241099902-241125781	25880	GPC1	0	1	0.00	0.00
2q#37838_37840	2	241130001-241141835	11835	ANKMY1	0	1	0.00	0.00
2q#37841_37842	2	241156391-241163758	7368	ANKMY1	0	1	0.00	0.00
2q#37843_37869	2	241166558-241348148	181591	LOC285193, RNPEPL1, AK024254, CAPN10, AK17278	0	1	0.00	0.00
3p#39783_39827	3	20101881-21203216	1101336	PCAF, SGOL1	0	1	0.00	0.00
3p#40618_40671	3	32430933-32936307	505375	MTM7, CMTM6, AF479261, DYNC1LI1, CNOT10, TRIM7	0	1	0.00	0.00
3p#40672_40675	3	32954843-32981009	26167	CCR4	0	1	0.00	0.00
3p#45439_45454	3	89387114-89516116	129003	EPHA3	0	1	0.00	0.00
4p#54091_54111	4	1230468-1403422	172955	BP1, MGC21675, AK125775, MAEA, KIAA1530, FLJ344	0	1	0.00	0.00
4p#54119_54123	4	1529615-1556907	27293		0	1	0.00	0.00
4p#54124_54135	4	1567773-1655387	87615	FAM53A	0	1	0.00	0.00
4p#54136_54139	4	1661893-1682508	20616	SLBP	0	1	0.00	0.00
4q#61868_61923	4	109860657-110358635	497979	AK094992, RPL34, DC2, AGXT2L1, COL25A1	0	1	0.00	0.00
4q#61924_61964	4	110376760-110812451	435692	COL25A1, FLJ45231, AK058136, BC009800, SEC24B	0	1	0.00	0.00
4q#61965_62006	4	110818585-111149639	331055	20647, CASP6, PLA2G12A, CFI, BC020718, NOLA1, RFI	0	1	0.00	0.00
4q#62007_62033	4	111156147-111369193	213047	EGF, AK074813, ELOVL6	0	1	0.00	0.00
4q#62034_62055	4	111378748-111663897	285150	ELOVL6	0	1	0.00	0.00
4q#62056_62061	4	111680921-111763782	82862	ENPEP	0	1	0.00	0.00
4q#62479_62512	4	119034974-119542532	507559	NDST3	0	1	0.00	0.00
4q#62513_62522	4	119555946-119652928	96983	PRSS12	0	1	0.00	0.00
4q#62524_62531	4	119714411-119812637	98227	BC014590	0	1	0.00	0.00
4q#62532_62547	4	119819380-120020444	201065	BC014590, AK024248, BC035733, KIAA1627, SEC24D	0	1	0.00	0.00
4q#62548_62651	4	120025727-121169169	1143443	MYO22, AK098126, CR749490, USP53, LOC401152, D8	0	1	0.00	0.00
4q#62915_62953	4	124490030-125084029	594000	SPATA5, SPRY1, AL833449, BC033378	0	1	0.00	0.00
4q#63059_63067	4	127407113-127713604	306492		0	1	0.00	0.00

19p#206469_206474	19	433550-462072	28523	AK024373, MADCAM1, C19orf20	0	1	0.00	0.00
19p#206475_206477	19	467070-478735	11666	C19orf20, AK024373	0	1	0.00	0.00
19p#206478_206483	19	483997-521867	37871	CDC34, GZMM, AK024373	0	1	0.00	0.00
19p#206484_206487	19	528487-540485	11999	BSG, AK024373	0	1	0.00	0.00
19p#206490_206497	19	557030-602087	45058	HCN2, POLRMT, AK024373, FLJ45684, RNF126	0	1	0.00	0.00
19p#207163_207173	19	5868021-5977237	109217	RANBP3, RFX2	0	1	0.00	0.00
19p#207341_207343	19	7543595-7566356	22762		0	1	0.00	0.00
19p#207344_207398	19	7573393-7909047	335655	M, MCEMP1, BC042161, FCER2, CD209, CLEC4M, EVI5	0	1	0.00	0.00
19p#207468_207470	19	8544288-8561858	17571	MYO1F, ADAMTS10	0	1	0.00	0.00
19p#207494_207509	19	8852549-9047156	194608	MUC16	0	1	0.00	0.00
19p#207540_207550	19	9300842-9390626	89785	ZNF559, BC034489, ZNF177, ZNF266	0	1	0.00	0.00
19p#208076_208098	19	13720694-13838319	117626	MGC10471, MGC3207, HSPC023, ZSWIM4	0	1	0.00	0.00
19p#208151_208159	19	14368581-14439852	71272	CD97, DDX39, PKN1	0	1	0.00	0.00
19q#209680_209703	19	40716218-40882175	165958	S, TMEM147, ATP4A, AB020648, MGC10433, COX6B1,	0	1	0.00	0.00
19q#210534_210535	19	48433091-48449604	16514	M38046, PSG9	Inf	1	0.02	0.00
19q#211142_211218	19	53482172-53955975	473804	, PSCD2, AF318380, AB067470, SULT2B1, FAM83E, CA	0	1	0.00	0.00
19q#211219_211256	19	53964540-54194732	230193	PLEKHA4, PPP1R15A, TULP2, NUCB1, DHDH, BAX, F7	0	1	0.00	0.00
19q#211444_211470	19	56633583-55903765	270183	703, LOC284361, AK090493, AK127628, JOSD2, BC0324	0	1	0.00	0.00
20p#214725_214726	20	25839919-25866104	26186		0	1	0.00	0.00
20p#214727_214734	20	25885935-26156081	270147	BC052952, AK097660, BC036544	0	1	0.00	0.00
21q#217905_217918	21	13717139-14294382	577244	ANKRD21, C21orf81	0	1	0.00	0.00
21q#217927_217939	21	14399547-14506082	106536	BC070147, LIP1	0	1	0.00	0.00
21q#218579_218591	21	22628532-22913246	284715		0	1	0.00	0.00
21q#218592_218606	21	22930704-23359263	428560	AY063451	0	1	0.00	0.00
21q#218607_218621	21	23378746-23701610	322865		0	1	0.00	0.00
21q#218622_218626	21	23707330-23787091	79762		0	1	0.00	0.00
21q#218627_218638	21	23820049-24149500	329452		0	1	0.00	0.00
21q#219371_219520	21	32051018-33388111	1337094	C21orf63, AK001794, TCP10L, C21orf59, SYNJ1, BC038	0	1	0.00	0.00
21q#219521_219547	21	33411320-33650762	239443	BC021745, IFNAR2, IL10RB, IFNAR1	0	1	0.00	0.00
21q#219548_219591	21	33658674-33872268	213595	X537378, TMEM50B, AF462153, C21orf55, GART, SON	0	1	0.00	0.00

Supplementary table 3. Distribution of Luminal A and B tumors according to 8p chromosomal region amplification and histoclinical parameters.

Parameters	n	nonAmp_8p	Amp_8p	p-value	odds ratio
	100	82	18		
Age	100	54(29-85)	58(24-80)	0,767	
Histological type*	87			0,719	
		15(21%)	2(14%)		
	Other				
	IDC	51(71%)	12(80%)		
	ILC	6(8%)	1(7%)		
Tumor size	99			0,605	
	pT1	20(25%)	3(17%)		
	pT2	41(51%)	12(67%)		
	pT3	20(25%)	3(17%)		
Lymph node metastasis	100			0,172	
	negative	28(34%)	3(17%)		
	positive	54(66%)	15(83%)		
SBR Grade	96			0,025	2,68 (0.82-8.83)
	I-II	57(73%)	9(50%)		
	III	21(27%)	9(50%)		
ERBB2	81			1,000	
	negative	63(95%)	15(100%)		
	positive	3(5%)	0(0%)		
ER	100			0,294	
	negative	4(5%)	2(11%)		
	positive	78(95%)	16(89%)		
PR	100			0,028	
	negative	15(18%)	8(44%)		
	positive	67(82%)	10(56%)		
p53	72			0,103	
	negative	52(88%)	9(69%)		
	positive	7(12%)	4(31%)		
Ki67	52			0,043	4,11 (0.75-23.09)
	negative	34(87%)	8(62%)		
	positive	5(13%)	5(38%)		
Molecular subtypes	100			0,001	6,98 (1.95-31.93)
	LuA	55(67%)	4(22%)		
	LuB	27(33%)	14(78%)		

* IDC, Invasive Ductal Carcinoma ; ILC, Invasive Lobular Carcinoma

Supplementary Table 4 : Description of the breast cancer data sets

Reference	Institution *	N° of arrays	Source of data	Technological platform	N° of features
Ivshina et al., CR 2006[1]	GIS, Uppsala	289	NCBI GEO db, GSE4922	Affymetrix U133 A+B	2x22K
Pawitan et al., BCR 2005[2]	KI	159	NCBI GEO db, GSE1456	Affymetrix U133 A+B	2x22K
Weigelt et al., CR 2005 [3]	NIKI	169	NCBI GEO db, GSE2741 (UNC GEO db)	Agilent	35K
Hu et al., BMC Genomics 2006	NIKI	162	NCBI GEO db, GSE1992 (UNC GEO db)	Agilent	35K
Oh et al., JCO 2006 [4]	NIKI	161	NCBI GEO db, GSE2740 (UNC GEO db)	Agilent	35K
Perreard et al., BCR 2006 [5]	NIKI	168	NCBI GEO db, GSE2607 (UNC GEO db)	Agilent	35K
Mullins et al., Clinical Chemistry 2007 [6]	NIKI	158	NCBI GEO db, GSE6130 (UNC GEO db)	Agilent	35K
Herschkowitz et al., Genome Biology 2007 [7]	NIKI	232	NCBI GEO db, GSE3165 (UNC GEO db)	Agilent	35K
Hoadley et al., BMC Genomics 2007 [8]	NIKI	248	NCBI GEO db, GSE6128 (UNC GEO db)	Agilent	35K
Parker et al., JCO 2009 [9]	NIKI	227	NCBI GEO db, GSE10886 (UNC GEO db)	Agilent	35K
IPC serie [10]	IPC	266	----	Affymetrix U133 Plus 2.0	54K

* Institutions: Nederlands Kanker Instituut (NKI), Karolinska Institute (KI), IPC (Institut Paoli-Calmettes)

1. Ivshina AV, George J, Senko O, Mow B, Putti TC, et al. (2006) Genetic reclassification of histologic grade delineates new clinical subtypes of breast cancer. *Cancer Res* 66: 10292-10301.
2. Pawitan Y, Bjohle J, Amler L, Borg AL, Eghazi S, et al. (2005) Gene expression profiling spares early breast cancer patients from adjuvant therapy: derived and validated in two population-based cohorts. *Breast Cancer Res* 7: R953-964.
3. Weigelt B, Hu Z, He X, Livasy C, Carey LA, et al. (2005) Molecular portraits and 70-gene prognosis signature are preserved throughout the metastatic process of breast cancer. *Cancer Res* 65: 9155-9158.
4. Oh JL, Dryden MJ, Woodward WA, Yu TK, Tereffe W, et al. (2006) Locoregional control of clinically diagnosed multifocal or multicentric breast cancer after neoadjuvant chemotherapy and locoregional therapy. *J Clin Oncol* 24: 4971-4975.
5. Perreard L, Fan C, Quackenbush JF, Mullins M, Gauthier NP, et al. (2006) Classification and risk stratification of invasive breast carcinomas using a real-time quantitative RT-PCR assay. *Breast Cancer Res* 8: R23.
6. Mullins M, Perreard L, Quackenbush JF, Gauthier N, Bayer S, et al. (2007) Agreement in breast cancer classification between microarray and quantitative reverse transcription PCR from fresh-frozen and formalin-fixed, paraffin-embedded tissues. *Clin Chem* 53: 1273-1279.
7. Herschkowitz JI, Simin K, Weigman VJ, Mikaelian I, Usary J, et al. (2007) Identification of conserved gene expression features between murine mammary carcinoma models and human breast tumors. *Genome Biol* 8: R76.
8. Hoadley KA, Weigman VJ, Fan C, Sawyer LR, He X, et al. (2007) EGFR associated expression profiles vary with breast tumor subtype. *BMC Genomics* 8: 258.
9. Parker JS, Mullins M, Cheang MC, Leung S, Voduc D, et al. (2009) Supervised risk predictor of breast cancer based on intrinsic subtypes. *J Clin Oncol* 27: 1160-1167.
10. Finetti P, Cervera N, Charafe-Jauffret E, Chabannon C, Charpin C, et al. (2008) Sixteen-kinase gene expression identifies luminal breast cancers with poor prognosis. *Cancer Res* 68: 767-776.

Supplementary Table 5. Distribution of breast cancer molecular subtypes for each public dataset.

	SSP-Molecular subtypes				
	Basal	ERBB2	LuminalA	LuminalB	Normal
IPC series	75 (28%)	24 (9%)	89 (33%)	49 (18%)	29 (11%)
Ivshina et al.	42 (15%)	40 (14%)	109 (39%)	42 (14%)	56 (20%)
Pawitan et al.	30 (19%)	18 (11%)	46 (29%)	27 (17%)	38 (24%)
UNC.GEO db	122 (27%)	53 (12%)	158 (34%)	42 (9%)	84 (18%)
Total	269 (23%)	135 (12%)	402 (34%)	159 (14%)	207 (18%)

Supplementary Table 6: Correlation between ZNF703 expression and histoclinical parameters

Parameters	n=	ZNF703		p-value	odds ratio
		High	Low		
Age	561	245	316	0,41	1,2 (0.79-1.82)
	457	68(32%)	70(28%)		
		143(68%)	176(72%)		
Histological type*	199			0,43	
	IDC	79(75%)	79(84%)		
	ILC	10(10%)	4(4%)		
	other	16(16%)	11(12%)		
Tumor size	445			0,23	
	pT1	61(30%)	93(39%)		
	pT2	106(52%)	105(44%)		
	pT3	31(15%)	33(14%)		
		7(3%)	9(4%)		
Lymph node metastasis	443			0,44	1,17 (0.79-1.74)
	negative	95(46%)	99(42%)		

SBR grade	positive	532	112(54%)	137(58%)	0,20
	I		48(20%)	62(21%)	
	II		103(43%)	147(50%)	
	III		86(36%)	86(29%)	
ERBB2	negative	128	61(94%)	58(92%)	1,31 (0.27-6.95)
	positive		4(6%)	5(8%)	
ER	negative	446	28(13%)	35(15%)	0,9 (0.51-1.59)
	positive		180(87%)	203(85%)	
PR	negative	267	22(16%)	15(11%)	1,52 (0.71-3.31)
	positive		113(84%)	117(89%)	
p53	negative	108	43(81%)	42(76%)	1,33 (0.48-3.79)
	positive		10(19%)	13(24%)	
Ki67	negative	107	22(42%)	23(42%)	1,02 (0.44-2.36)
	positive		30(58%)	32(58%)	
SSP	Luminal A	561	152(62%)	250(79%)	0,43 (0.29-0.64)
	Luminal B		93(38%)	66(21%)	
DFS (5y)		510	228 (68%)	282 (78%)	0,0136

* IDC, Invasive Ductal Carcinoma ; ILC, Invasive Lobular Carcinoma

Supplementary Table 7. Detailed information on proteins identified by nanoLC-MSMS (ion Trap)

Identified proteins	SwissProt Accession numbers	MSMS identified unique peptides	Position sequence in protein	Mascot ion score
Zinc finger protein 703	ZN703_HUMAN	LNSVAAAANGLGAEK	110-124	89
		SAPGAASAAAALK	129-141	64
		DQEPKPSPEPAAVSR	246-260	41
		FATSEELLSHLR	471-482	68
60 kDa heat shock protein	CH60_HUMAN	TVIIQSWGSPK	61 - 72	70
		LVQDVANNTNEEAGDGTATVLR	97 - 121	66
		QSKPVTTPPEIAQVATISANGDK	158 - 180	48
		EIGNIISDAMK	181 - 191	44
		TLNDELEIIEGMK	206 - 218	99
		CEFQDAYVLLSEK	237 - 249	87
		ISSIQSIVPALEIANAHR	251 - 268	83
		VGLQVVAVK	293 - 301	77
		IQEIIQLDVTTSEYEK	371 - 387	32
		LSDGVAVLK	397 - 405	64
		VGGTSDVEVNEK	406 - 417	86
		AAVEEGIVLGGGCALLR	430 - 446	106
		CIPALDSLTPANEDQK	447 - 462	66
		IGIEIHK	463 - 469	60
NAGVEGSLIVEK	482 - 493	79		
WD repeat-containing protein 68 (DCAF7)	WDR68_HUMAN	LALGSFVEEYNNK	34 - 46	89
		NTFDHPYPTTK	63 - 73	40
		LECLLNNNK	107 - 115	36
		EVYDIAFSR	176 - 184	63
		DMFASVGADGSVR	190 - 202	51
Prohibitin-2	PHB2_HUMAN	LLLGAAGAVAYGVR	25 - 37	57
		FNASQLITQR	148 - 157	48
		AQVSLLR	158 - 165	35

Supplementary table 8. Multi Experiment Matrix results for ZNF703 query

Score	Gene name	probeset id	Gene description
#QUERY	ZNF703	222760_AT	Zinc finger, protein 703 [Source:UniProtKB/Swiss-Prot;Acc:Q9H7S9]
1.15e-61	NCOR2	207760_s_at	nuclear receptor co-repressor 2 [Source:HGNC Symbol;Acc:7673]
9.63e-60	PWWP2B	227999_at	PWWP domain containing 2B [Source:HGNC Symbol;Acc:25150]
7.53e-59	TP53111	203421_at	p53-induced protein [Source:RefSeq peptide;Acc:NP_006025]
2.29e-56	PLXNB2	208890_s_at	plexin B2 [Source:HGNC Symbol;Acc:9104]
2.38e-56	RXRA	202449_s_at	retinoid X receptor, alpha [Source:HGNC Symbol;Acc:10477]
7.54e-55	FAM129B	223019_at	family with sequence similarity 129, member B [Source:HGNC Symbol;Acc:25282]
5.78e-54	IER5L	226559_at	immediate early response 5-like [Source:HGNC Symbol;Acc:23679]
7.57e-54	N/A	226377_at	N/A
1.63e-52	SOX4	201418_s_at	SRY (sex determining region Y)-box 4 [Source:HGNC Symbol;Acc:1200]
1.63e-51	CUEDC1	227667_at	CUE domain-containing protein 1 [Source:UniProtKB/Swiss-Prot;Acc:Q9NWM3]
8.84e-51	ZDHHC1	228637_at	zinc finger, DHHC-type containing 1 [Source:HGNC Symbol;Acc:17916]
1.04e-50	SORBS3	209253_at	sorbin and SH3 domain containing 3 [Source:HGNC Symbol;Acc:30907]
1.4e-50	PIP5K1C	212518_at	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma [Source:HGNC Symbol;Acc:8996]
7.66e-50	CTDSP1	217844_at	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1 [Source:HGNC Symbol;Acc:21614]
2.66e-49	ZCCHC24	212419_at	zinc finger, CCHC domain containing 24 [Source:HGNC Symbol;Acc:26911]
9.31e-49	SH3BP4	222258_s_at	SH3-domain binding protein 4 [Source:HGNC Symbol;Acc:10826]
1.16e-47	CUEDC1	219468_s_at	CUE domain containing 1 [Source:HGNC Symbol;Acc:31350]
3.41e-47	ZBTB7A	219186_at	zinc finger and BTB domain containing 7A [Source:HGNC Symbol;Acc:18078]
3.99e-47	HOMER3	204647_at	homer homolog 3 (Drosophila) [Source:HGNC Symbol;Acc:17514]

Supplementary Table 9: Genes modulated by ZNF703 overexpression in MCF7 cell lines.

PID	Gene symbol	Gene name	Locus	GeneID:MAJ	MCF7.GFP_090226.01.CEL	MCF7.GFP.C9_090319.01.CEL	MCF7.GFP-ZNF703_090226.02.CEL	MCF7.GFP-ZNF703.C8_090319.02.CEL	p-Value	Fold Change GFP-ZNF703 Vs GFP
211959_at	IGFBP5	insulin-like growth factor binding protein 5	2q33-q36	GeneID:3488	4.209	7.919	11.789	11.081	4.46752E-07	41.38
209988_s_at	ASCL1	achaete-scute complex homolog 1 (Drosophila)	12q23.2	GeneID:429	3.016	3.648	10.97	6.168	3.26209E-06	37.71
216623_x_at	TOX3	TOX high mobility group box family member 3	16q12.1	GeneID:27324	2.848	3.313	9.434	6.812	4.02801E-09	32.96
206165_s_at	CLCA2	CLCA family member 2, chloride channel regulator	1p31-p22	GeneID:9635	3.39	5.065	9.592	8.404	1.97621E-09	27.29
226612_at	FLJ25076	similar to CG4502-PA	5p15.31	GeneID:134111	4.641	5.209	9.641	8.443	2.49241E-07	17.35
217771_at	GOLM1	golgi membrane protein 1	9q21.33	GeneID:51280	4.54	5.376	9.946	8.106	1.10303E-06	16.77
201505_at	LAMB1	laminin, beta 1	7q22	GeneID:3912	3.358	3.44	8.359	5.547	2.21971E-06	11.75
1552365_at	SCIN	scinderin	7p21.3	GeneID:85477	3.147	3.279	8.279	5.157	8.14783E-06	11.35
204612_at	PKIA	protein kinase (cAMP-dependent, catalytic) inhibitor alpha	8q21.12	GeneID:5569	4.794	4.194	9.114	6.756	3.01259E-06	10.86
213564_x_at	LDHB	lactate dehydrogenase B	12p12.2-p12.1	GeneID:3945	3.355	3.433	8.779	4.875	7.68319E-05	10.80
205304_s_at	KCNJ8	potassium inwardly-rectifying channel, subfamily J, member 8	12p11.23	GeneID:3764	4.891	3.842	8.974	6.613	3.08257E-06	10.76
235976_at	SLITRK6	SLIT and NTRK-like family, member 6	13q31.1	GeneID:84189	4.019	4.616	8.04	6.914	1.32896E-07	8.94
203372_s_at	Socs2	suppressor of cytokine signaling 2	12q	GeneID:8835	3.223	3.689	7.187	6.04	3.21882E-08	8.92
226279_at	PRSS23	protease, serine, 23	11q14.1	GeneID:11098	4.322	4.72	8.296	7.028	9.69909E-07	8.82
217889_s_at	CYBRD1	cytochrome b reductase 1	2q31.1	GeneID:79901	3.952	4.944	7.889	7.02	6.67443E-07	8.04
201753_s_at	ADD3	adducin 3 (gamma)	10q24.2-q24.3	GeneID:120	4.443	5.09	9.806	5.511	0.002466901	7.42
220625_s_at	ELF5	E74-like factor 5 (ets domain transcription factor)	11p13-p12	GeneID:2001	4.291	6.817	8.943	7.939	0.000318818	7.40
209813_x_at	TRGC2	T cell receptor gamma constant 2	7p14	GeneID:6967	6.366	5.15	10.066	7.19	0.000734339	7.31
202626_s_at	LYN	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog	8q13	GeneID:4067	4.193	4.08	8.399	5.529	7.32433E-05	7.10
201540_at	FHL1	four and a half LIM domains 1	Xq26	GeneID:2273	3.496	4.023	7.554	5.341	6.46899E-05	6.44
203324_s_at	CAV2	caveolin 2	7q31.1	GeneID:858	3.936	3.766	7.145	5.889	2.61328E-06	6.35

203637_s_at	MID1	midline 1 (Opitz/BBB syndrome)	Xp22	GeneID:4281	3.748	3.355	8.274	4.097	0.003784942	6.21
205569_at	LAMP3	lysosomal-associated membrane protein 3	3q26.3-q27	GeneID:27074	4.746	5.94	8.36	7.538	0.000652264	6.09
226875_at	DOCK11	dedicator of cytokinesis 11	Xq24	GeneID:139818	4.895	4.367	7.812	6.64	3.19238E-05	6.04
201215_at	PLS3	plastin 3 (T isoform)	Xq23	GeneID:5358	2.939	2.95	8.021	3.041	0.033894651	6.01
222921_s_at	HEY2	hairy/enhancer-of-split related with YRPW motif 2	6q21	GeneID:23493	4.331	4.642	8.096	6	6.0341E-05	5.90
213664_at	SLC1A1	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1	9p24	GeneID:6505	3.557	4.196	5.773	7.094	1.35557E-05	5.88
225645_at	EHF	ets homologous factor	11p12	GeneID:26298	3.363	5.913	8.385	5.958	0.002284825	5.79
203708_at	PDE4B	phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila)	1p31	GeneID:5142	3.313	3.885	7.109	5.079	0.000541506	5.64
237395_at	CYP4Z1	cytochrome P450, family 4, subfamily Z, polypeptide 1	1p33	GeneID:199974	2.864	3.2	7.806	3.194	0.036286952	5.53
220253_s_at	LRP12	low density lipoprotein-related protein 12	8q22.2-q23.1	GeneID:29967	3.524	4.197	6.729	5.874	7.97536E-05	5.43
204872_at	TLE4	transducin-like enhancer of split 4 (E(sp1) homolog, Drosophila)	9q21.31	GeneID:7091	3.823	3.935	6.836	5.777	5.61761E-05	5.38
217967_s_at	FAM129A	family with sequence similarity 129, member A	1q25	GeneID:116496	6.402	8.251	9.818	9.592	2.65944E-06	5.20
212097_at	CAV1	caveolin 1, caveolae protein, 22kDa	7q31.1	GeneID:857	3.116	2.778	6.967	3.629	0.028238795	5.10
227174_at	WDR72	WD repeat domain 72	15q21.3	GeneID:256764	3.66	5.292	7.823	5.822	0.00042777	5.09
221558_s_at	LEF1	lymphoid enhancer-binding factor 1	4q23-q25	GeneID:51176	3.915	4.012	7.544	5.067	0.000831685	5.07
210095_s_at	IGFBP3	insulin-like growth factor binding protein 3	7p13-p12	GeneID:3486	4.17	5.047	7.2	6.661	7.39501E-05	5.00
225897_at	MARCKS	myristoylated alanine-rich protein kinase C substrate	6q22.2	GeneID:4082	6.56	5.766	9.552	7.312	0.000417374	4.82
213385_at	CHN2	chimerin (chimaerin) 2	7p15.3	GeneID:1124	4.022	6.031	7.329	7.204	0.001381717	4.72
225612_s_at	B3GNT5	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5	3q28	GeneID:84002	5.696	7.781	9.296	8.652	2.47084E-05	4.71
1555340_x_at	RAP1A	RAP1A, member of RAS oncogene family	1p13.3	GeneID:5906	6.639	9.146	8.298	11.9	0.006331496	4.62
225987_at	STEAP4	STEAP family member 4	7q21.12	GeneID:79689	4.733	4.186	8.268	5.021	0.00307879	4.55
209590_at	BMP7	bone morphogenetic protein 7	20q13	GeneID:655	9.03	10.06	11.716	11.722	1.81653E-08	4.51

202345_s_at	FABP5	fatty acid binding protein 5 (psoriasis-associated)	8q21.13	GeneID:2171	3.776	5.973	7.987	6.109	0.003828884	4.51
213236_at	SASH1	SAM and SH3 domain containing 1	6q24.3	GeneID:23328	6.377	6.138	8.821	7.986	5.54456E-06	4.43
218885_s_at	GALNT12	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 12 (GalNAc-T12)	9q22.33	GeneID:79695	5.039	4.033	8.11	5.233	0.003735222	4.39
208986_at	TCF12	transcription factor 12	15q21	GeneID:6938	3.415	7.684	7.653	7.692	0.019599851	4.36
205083_at	AOX1	aldehyde oxidase 1	2q33	GeneID:316	4.58	4.887	6.932	6.778	0.000215804	4.35
215125_s_at	UGT1A10	UDP glucuronosyltransferase 1 family, polypeptide A10	2q37	GeneID:54575	4.008	4.343	8.685	3.834	0.034831355	4.24
212192_at	KCTD12	potassium channel tetramerisation domain containing 12	13q22.3	GeneID:115207	4.103	6.021	7.434	6.851	0.00275157	4.23
208473_s_at	GP2	glycoprotein 2 (zymogen granule membrane)	16p12	GeneID:2813	4.163	4.595	6.18	6.672	0.000158843	4.13
231120_x_at	PKIB	protein kinase (cAMP-dependent, catalytic) inhibitor beta	6q22.31	GeneID:5570	4.042	3.569	6.776	4.916	0.018773343	4.11
228038_at	SOX2	SRY (sex determining region Y)-box 2	3q26.3-q27	GeneID:6657	6.294	9.198	10.08	9.347	0.001182563	3.91
204424_s_at	LMO3	LIM domain only 3 (rhombotin-like 2)	12p12.3	GeneID:55885	5.972	5.594	7.591	7.862	0.000702554	3.85
1553602_at	MUC1L	mucin-like 1	12q	GeneID:118430	6.944	5.408	8.935	7.231	0.001468657	3.75
229160_at	MUM1L1	melanoma associated antigen (mutated) 1-like 1	Xq22.3	GeneID:139221	4.495	3.574	6.926	4.931	0.016761537	3.72
205347_s_at	TMSL8	thymosin-like 8	Xq21.33-q22.3	GeneID:11013	5.796	5.712	8.135	7.11	0.002251086	3.65
205110_s_at	FGF13	fibroblast growth factor 13	Xq26.3	GeneID:2258	5.573	5.82	7.736	7.376	0.001837133	3.63
204688_at	SGCE	sarcoglycan, epsilon	7q21-q22	GeneID:8910	3.47	4.732	4.082	7.837	0.044442871	3.63
218692_at	GOLSYN	Golgi-localized protein	8q23.2	GeneID:55638	5.469	6.467	8.355	7.288	0.002059708	3.61
220414_at	CALML5	calmodulin-like 5	10p15.1	GeneID:51806	4.224	5.105	7.657	5.164	0.015517029	3.35
225798_at	JAZF1	JAZF zinc finger 1	7p15.2-p15.1	GeneID:221895	4.463	7.327	7.475	7.771	0.016866115	3.31
223092_at	ANKH	ankylosis, progressive homolog (mouse)	5p15.1	GeneID:56172	5.905	7.405	8.709	8.044	6.34963E-05	3.30
219659_at	ATP8A2	ATPase, aminophospholipid transporter-like, class 1, type 8A, member 2	13q12	GeneID:51761	4.541	4.82	7.59	5.195	0.014550989	3.28
203180_at	ALDH1A3	aldehyde dehydrogenase 1 family, member A3	15q26.3	GeneID:220	4.716	4.741	7.735	5.144	0.018233899	3.27

221530_s_at	BHLHB3	basic helix-loop-helix domain containing, class B, 3	12p11.23-p12.1	GeneID:79365	7.265	7.997	8.916	9.767	8.66133E-06	3.27
209684_at	RIN2	Ras and Rab interactor 2	20p11.22	GeneID:54453	4.682	4.32	6.829	5.588	0.006801811	3.27
238681_at	GDPD1	glycerophosphodiester phosphodiesterase domain containing 1	17q22	GeneID:284161	4.239	7.391	6.908	8.133	0.028173812	3.26
206023_at	NMU	neuromedin U	4q12	GeneID:10874	7.682	7.759	9.695	9.145	3.13485E-07	3.25
221824_s_at	MARCH8	membrane-associated ring finger (C3HC4) 8	10q11.21	GeneID:220972	4.2	5.873	7.499	5.967	0.014191813	3.24
209792_s_at	KLK10	kallikrein-related peptidase 10	19q13.3-q13.4	GeneID:5655	4.534	4.713	7.193	5.423	0.012655822	3.21
204623_at	TFF3	trefoil factor 3 (intestinal)	21q22.3	GeneID:7033	9.238	9.816	11.019	11.379	8.24186E-08	3.19
213059_at	CREB3L1	cAMP responsive element binding protein 3-like 1	11p11.2	GeneID:90993	5.429	5.85	8.038	6.564	0.008961066	3.16
218820_at	C14orf132	chromosome 14 open reading frame 132	14q32.2	GeneID:56967	6.781	8.807	9.588	9.309	0.000224584	3.15
203917_at	CXADR	coxsackie virus and adenovirus receptor	21q21.1	GeneID:1525	8.29	8.673	10.72	9.55	5.7832E-06	3.15
209230_s_at	NUPR1	nuclear protein 1	16p11.2	GeneID:26471	6.148	7.603	8.394	8.642	8.70831E-05	3.12
208606_s_at	WNT4	wingless-type MMTV integration site family, member 4	1p36.23-p35.1	GeneID:54361	4.976	5.403	7.342	6.319	0.010082731	3.12
204532_x_at	UGT1A4	UDP glucuronosyltransferase 1 family, polypeptide A4	2q37	GeneID:54657	5.577	5.395	8.547	5.695	0.031127338	3.11
232116_at	GRHL3	grainyhead-like 3 (Drosophila)	1p36.11	GeneID:57822	5.721	4.92	7.578	6.312	0.022305377	3.08
1554079_at	GALNTL4	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 4	11p15.3	GeneID:374378	4.883	5.094	7.058	6.164	0.007233079	3.08
204491_at	PDE4D	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	5q12	GeneID:5144	5.811	5.533	7.5	7.009	0.006054849	2.99
211919_s_at	CXCR4	chemokine (C-X-C motif) receptor 4	2q21	GeneID:7852	7.762	9.817	9.93	10.812	0.001059867	2.99
215177_s_at	ITGA6	integrin, alpha 6	2q31.1	GeneID:3655	4.701	5.257	6.914	6.201	0.008246878	2.99
214030_at	CRYBG3	beta-gamma crystallin domain containing 3	3q11.2	GeneID:131544	4.664	4.853	6.965	5.645	0.019038988	2.92
227703_s_at	SYTL4	synaptotagmin-like 4	Xq21.33	GeneID:94121	6.028	6.158	8.282	6.908	0.007063578	2.83
219737_s_at	PCDH9	protocadherin 9	13q14.3-q21.1	GeneID:5101	6.693	6.677	8.665	7.695	8.88445E-05	2.82
205870_at	BDKRB2	bradykinin receptor B2	14q32.1-q32.2	GeneID:624	5.169	5.743	7.459	6.416	0.021356215	2.79
212464_s_at	FN1	fibronectin 1	2q34	GeneID:2335	5.588	7.759	7.359	8.938	0.008339693	2.78
204897_at	PTGER4	prostaglandin E receptor 4 (subtype EP4)	5p13.1	GeneID:5734	5.682	7.303	7.381	8.547	0.002015333	2.77

226817_at	DSC2	desmocollin 2	18q12.1	GeneID:1824	4.971	5.833	6.667	7.078	0.0217683	2.77
227816_at	NTN1	netrin 1	17p13-p12	GeneID:9423	5.761	6.785	7.814	7.649	0.000671193	2.75
219389_at	SUSD4	sushi domain containing 4	1q41	GeneID:55061	6.388	6.757	8.459	7.6	5.19031E-05	2.75
209147_s_at	PPAP2A	phosphatidic acid phosphatase type 2A	5q11	GeneID:8611	6.645	7.091	9.019	7.612	0.000618911	2.73
222242_s_at	KLK5	kallikrein-related peptidase 5	19q13.3-q13.4	GeneID:25818	4.952	4.982	7.674	5.15	0.049352175	2.72
227480_at	SUSD2	sushi domain containing 2	22q11-q12	GeneID:56241	7.912	6.522	8.989	8.333	0.000254485	2.72
219863_at	HERC5	hect domain and RLD 5	4q22.1	GeneID:51191	5.28	5.669	7.029	6.796	0.016370139	2.71
208370_s_at	RCAN1	regulator of calcineurin 1	21q22.1-q22.2 21q22.12	GeneID:1827	7.846	7.972	10.098	8.594	0.000244694	2.71
203510_at	MET	met proto-oncogene (hepatocyte growth factor receptor)	7q31	GeneID:4233	6.145	5.245	7.437	6.769	0.018229157	2.65
228570_at	BTBD11	BTB (POZ) domain containing 11	12q23.3	GeneID:121551	5.637	6.236	7.294	7.395	0.010770389	2.65
203414_at	MMD	monocyte to macrophage differentiation-associated	17q	GeneID:23531	7.231	7.547	9.1	8.446	2.11974E-05	2.61
226065_at	PRICKLE1	prickle homolog 1 (Drosophila)	12q12	GeneID:144165	4.985	6.245	7.622	6.374	0.037201447	2.61
201649_at	UBE2L6	ubiquitin-conjugating enzyme E2L 6	11q12	GeneID:9246	6.809	8.536	9.011	9.087	0.000662903	2.60
205769_at	SLC27A2	solute carrier family 27 (fatty acid transporter), member 2	15q21.2	GeneID:11001	7.296	8.008	8.956	9.095	1.66074E-05	2.59
206698_at	XK	X-linked Kx blood group (McLeod syndrome)	Xp21.1	GeneID:7504	4.839	6.099	7.432	6.239	0.036299197	2.58
226844_at	MOBKLB	MOB1, Mps One Binder Kinase activator-like 2B (yeast)	9p21.2	GeneID:79817	4.753	5.608	6.986	6.101	0.031366534	2.57
206204_at	GRB14	growth factor receptor-bound protein 14	2q22-q24	GeneID:2888	7.506	8.049	9.92	8.355	0.000967898	2.57
220615_s_at	FAR2	fatty acyl CoA reductase 2	12p11.22	GeneID:55711	5.702	5.021	7.238	6.203	0.046422085	2.57
202720_at	TES	testis derived transcript (3 LIM domains)	7q31.2	GeneID:26136	6.556	8.035	8.99	8.294	0.001059813	2.54
222450_at	PMEPA1	prostate transmembrane protein, androgen induced 1	20q13.3 20q13.31-q13.33	GeneID:56937	5.631	7.122	7.618	7.827	0.003157106	2.54
212531_at	LCN2	lipocalin 2	9q34	GeneID:3934	5.295	8.064	8.745	7.298	0.027545791	2.54
209822_s_at	VLDLR	very low density lipoprotein receptor	9p24	GeneID:7436	5.052	6.674	6.866	7.54	0.025403187	2.53
205603_s_at	DIAPH2	diaphanous homolog 2 (Drosophila)	Xq21.33	GeneID:1730	4.963	5.073	6.833	5.864	0.033789035	2.51

1555935_s_at	HUNK	hormonally up-regulated Neu-associated kinase	21q22.1	GeneID:30811	4.762	5.029	7.026	5.423	0.048072151	2.51
204040_at	RNF144A	ring finger protein 144A	2p25.2-p25.1	GeneID:9781	5.14	5.262	7.02	6.005	0.047499753	2.48
225667_s_at	FAM84A	family with sequence similarity 84, member A	2p24.3	GeneID:151354	9.103	8.927	10.684	9.903	2.33258E-05	2.43
221854_at	PKP1	plakophilin 1 (ectodermal dysplasia/skin fragility syndrome)	1q32	GeneID:5317	5.556	5.679	6.701	7.066	0.030495823	2.40
212154_at	SDC2	syndecan 2	8q22-q23	GeneID:6383	6.422	5.693	7.312	7.325	0.01193805	2.40
219789_at	NPR3	natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C)	5p14-p13	GeneID:4883	6.063	5.709	7.471	6.805	0.024983984	2.38
207030_s_at	CSRP2	cysteine and glycine-rich protein 2	12q21.1	GeneID:1466	6.826	7.52	9.084	7.764	0.000841294	2.38
205206_at	KAL1	Kallmann syndrome 1 sequence	Xp22.32	GeneID:3730	6.88	6.462	7.8	8.034	8.09439E-05	2.37
202052_s_at	RAI14	retinoic acid induced 14	5p13.3-p13.2	GeneID:26064	6.105	5.825	8.014	6.397	0.029515906	2.36
226925_at	ACPL2	acid phosphatase-like 2	3q23	GeneID:92370	6.357	7.882	8.289	8.424	0.001277764	2.36
202481_at	DHRS3	dehydrogenase/reductase (SDR family) member 3	1p36.1	GeneID:9249	6.384	6.521	8.099	7.257	0.000431189	2.34
230087_at	PRIMA1	proline rich membrane anchor 1	14q32.13	GeneID:145270	5.146	5.824	7.112	6.27	0.047829804	2.31
204602_at	DKK1	dickkopf homolog 1 (Xenopus laevis)	10q11.2	GeneID:22943	10	10.375	11.572	11.208	4.14822E-06	2.30
204378_at	BCAS1	breast carcinoma amplified sequence 1	20q13.2	GeneID:8537	6.168	5.935	7.723	6.782	0.018290909	2.30
201426_s_at	VIM	vimentin	10p13	GeneID:7431	6.246	6.801	8.035	7.391	0.000993006	2.28
225390_s_at	KLF13	Kruppel-like factor 13	15q12	GeneID:51621	5.271	6.391	7.408	6.627	0.035241038	2.28
227188_at	C21orf63	chromosome 21 open reading frame 63	21q22.11	GeneID:59271	6.272	6.784	7.793	7.635	0.000517009	2.28
225647_s_at	CTSC	cathepsin C	11q14.1-q14.3	GeneID:1075	6.205	6.366	7.998	6.941	0.004350675	2.27
219703_at	MNS1	meiosis-specific nuclear structural 1	15q21.3	GeneID:55329	6.091	7.254	8.095	7.607	0.0027479	2.26
215785_s_at	CYFIP2	cytoplasmic FMR1 interacting protein 2	5q33.3	GeneID:26999	8.623	8.272	9.644	9.554	6.38755E-06	2.22
218729_at	LXN	latexin	3q25.32	GeneID:56925	10.084	11.428	11.146	12.667	0.004646091	2.22
226335_at	RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3	Xp22.2-p22.1	GeneID:6197	7.393	7.728	8.87	8.516	5.3261E-05	2.19
221584_s_at	KCNMA1	potassium large conductance calcium-activated channel, subfamily M, alpha member 1	10q22.3	GeneID:3778	6.749	7.961	8.164	8.804	0.002257739	2.19

201063_at	RCN1	reticulocalbin 1, EF-hand calcium binding domain	11p13	GeneID:5954	7.436	8.456	9.347	8.794	0.000960313	2.18
212909_at	LYPD1	LY6/PLAUR domain containing 1	2q21.2	GeneID:116372	5.45	5.549	6.455	6.791	0.041568123	2.18
205549_at	PCP4	Purkinje cell protein 4	21q22.2	GeneID:5121	5.942	6.444	8.074	6.544	0.023307837	2.17
209785_s_at	PLA2G4C	phospholipase A2, group IVC (cytosolic, calcium-independent)	19q13.3	GeneID:8605	6.331	6.645	7.131	8.074	0.002894926	2.17
1552766_at	HS6ST2	heparan sulfate 6-O-sulfotransferase 2	Xq26.2	GeneID:90161	6.449	5.924	7.85	6.749	0.015642484	2.16
213135_at	TIAM1	T-cell lymphoma invasion and metastasis 1	21q22.1 21q22.11	GeneID:7074	7.431	7.778	8.802	8.624	0.000237626	2.16
225450_at	AMOTL1	angiominin like 1	11q14.3	GeneID:154810	6.723	7.281	8.271	7.946	0.000598874	2.15
205364_at	ACOX2	acyl-Coenzyme A oxidase 2, branched chain	3p14.3	GeneID:8309	7.956	9.386	9.55	10.004	0.001973971	2.15
228256_s_at	EPB41L4A	erythrocyte membrane protein band 4.1 like 4A	5q22.2	GeneID:64097	6.076	7.044	7.605	7.713	0.001139804	2.14
219806_s_at	C11orf75	chromosome 11 open reading frame 75	11q13.3-q23.3	GeneID:56935	6.948	7.86	8.511	8.495	0.000427264	2.14
230323_s_at	TMEM45B	transmembrane protein 45B	11q24.3	GeneID:120224	7.422	7.3	8.821	8.098	0.000130871	2.14
225368_at	HIPK2	homeodomain interacting protein kinase 2	7q32-q34	GeneID:28996	7.049	7.772	8.339	8.676	0.000256851	2.14
213540_at	HSD17B8	hydroxysteroid (17-beta) dehydrogenase 8	6p21.3	GeneID:7923	7.172	6.126	7.895	7.584	0.001119851	2.13
223220_s_at	PARP9	poly (ADP-ribose) polymerase family, member 9	3q13-q21	GeneID:83666	6.637	7.594	8.412	7.991	0.001939111	2.12
202887_s_at	DDIT4	DNA-damage-inducible transcript 4	10pter-q26.12	GeneID:54541	8.746	10.162	10.043	11.033	0.003520499	2.12
217853_at	TNS3	tensin 3	7p12.3	GeneID:64759	7.317	7.238	8.722	7.975	0.000250908	2.10
219038_at	MORC4	MORC family CW-type zinc finger 4	Xq22.3	GeneID:79710	7.907	7.973	9.223	8.773	5.0853E-05	2.08
224847_at	CDK6	cyclin-dependent kinase 6	7q21-q22	GeneID:1021	6.664	7.167	8.208	7.727	0.000884049	2.07
218960_at	TMPRSS4	transmembrane protease, serine 4	11q23.3	GeneID:56649	6.039	7.311	7.697	7.741	0.005044076	2.06
222446_s_at	BACE2	beta-site APP-cleaving enzyme 2	21q22.3	GeneID:25825	7.688	8.625	9.479	8.902	0.001226238	2.05
200878_at	EPAS1	endothelial PAS domain protein 1	2p21-p16	GeneID:2034	8.673	9.078	10.371	9.432	0.000677003	2.04
219522_at	FJX1	four jointed box 1 (Drosophila)	11p13	GeneID:24147	5.962	6.529	7.856	6.68	0.013800638	2.03
226961_at	PRR15	proline rich 15	7p15.1	GeneID:222171	7.469	8.279	8.896	8.87	0.000607682	2.01
208920_at	SRI	sorcin	7q21.1	GeneID:6717	5.641	6.673	7.491	6.827	0.034454376	2.00
209747_at	TGFB3	transforming growth factor, beta 3	14q24	GeneID:7043	7.313	6.391	8.376	7.329	0.007422388	2.00

205696_s_at	GFRA1	GDNF family receptor alpha 1	10q26	GeneID:2674	8.823	8.603	7.538	7.869	0.000209607	-2.01
202234_s_at	SLC16A1	solute carrier family 16, member 1 (monocarboxylic acid transporter 1)	1p12	GeneID:6566	7.255	7.695	6.099	6.818	0.011836889	-2.02
231766_s_at	COL12A1	collagen, type XII, alpha 1	6q12-q13	GeneID:1303	7.942	7.751	6.757	6.887	0.000886768	-2.03
229390_at	FAM26F	family with sequence similarity 26, member F	6q22.1	GeneID:441168	8.402	8.354	7.608	7.076	0.000369385	-2.05
204385_at	KYNU	kynureninase (L-kynurenine hydrolase)	2q22.2	GeneID:8942	10.092	10.708	8.933	9.712	0.000204165	-2.11
232861_at	PDP2	pyruvate dehydrogenase phosphatase isoenzyme 2	16q22.1	GeneID:57546	7.967	7.559	6.578	6.791	0.000359386	-2.11
210613_s_at	SYNGR1	synaptogyrin 1	22q13.1	GeneID:9145	8.826	8.883	7.229	8.306	0.000951179	-2.12
216048_s_at	RHOBTB3	Rho-related BTB domain containing 3	5q15	GeneID:22836	9.153	8.655	8.209	7.309	0.00042387	-2.21
204595_s_at	STC1	stanniocalcin 1	8p21-p11.2	GeneID:6781	9.437	9.679	7.667	9.078	0.00097735	-2.27
203463_s_at	EPN2	epsin 2	17p11.2	GeneID:22905	7.825	7.688	6	7.121	0.000953798	-2.29
223218_s_at	NFKBIZ	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	3p12-q12	GeneID:64332	9.188	9.879	7.669	8.925	0.000712042	-2.36
210367_s_at	PTGES	prostaglandin E synthase	9q34.3	GeneID:9536	8.523	8.121	6.936	6.826	6.04162E-06	-2.72
222379_at	KCNE4	potassium voltage-gated channel, Isk-related family, member 4	2q36.3	GeneID:23704	7.403	8.541	5.609	7.365	0.003360104	-2.80
213258_at	TFPI	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	2q32	GeneID:7035	10.078	9.192	8.367	7.933	1.65527E-05	-2.80
225044_at	NT5C3L	5'-nucleotidase, cytosolic III-like	17q21.2	GeneID:115024	8.622	7.259	6.267	6.632	0.001204634	-2.81
210139_s_at	PMP22	peripheral myelin protein 22	17p12-p11.2	GeneID:5376	11.637	11.927	8.481	12.02	0.01721727	-2.89
206632_s_at	APOBEC3B	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3B	22q13.1-q13.2	GeneID:9582	8.974	9.746	7.671	7.977	5.79497E-06	-2.90
223614_at	C8orf57	chromosome 8 open reading frame 57	8q21.3	GeneID:84257	10.031	9.835	7.182	9.234	0.000277604	-3.31
221667_s_at	HSPB8	heat shock 22kDa protein 8	12q24.23	GeneID:26353	11.409	10.267	9.157	8.936	1.05348E-06	-3.46
242660_at	C10orf112	chromosome 10 open reading frame 112	10p12.33	GeneID:340895	8.929	8.942	6.921	7.138	2.54951E-07	-3.75
1553180_at	ADAMTS19	ADAM metalloproteinase with thrombospondin type 1 motif, 19	5q31	GeneID:171019	5.63	6.644	3.964	4.1	0.030765204	-4.30

213110_s_at	COL4A5	collagen, type IV, alpha 5	Xq22	GeneID:1287	8.016	8.807	3.834	8.632	0.02136181	-4.53
230960_at	PUNC	putative neuronal cell adhesion molecule	15q22.3-q23	GeneID:9543	7.053	7.008	4.512	4.978	0.011963244	-4.88
207012_at	MMP16	matrix metalloproteinase 16 (membrane-inserted)	8q21	GeneID:4325	8.097	7.332	4.968	5.772	0.010551402	-5.08
228956_at	UGT8	UDP glycosyltransferase 8	4q26	GeneID:7368	6.903	6.858	5.779	3.192	0.015317508	-5.26
233305_at	NECAB1	N-terminal EF-hand calcium binding protein 1	8q21.3	GeneID:64168	6.383	8.561	2.826	7.252	0.043679126	-5.40
210261_at	KCNK2	potassium channel, subfamily K, member 2	1q41	GeneID:3776	7.569	6.343	4.958	4.032	0.007840396	-5.51
225895_at	SYNPO2	synaptopodin 2	4q26	GeneID:171024	7.274	7.904	4.505	5.737	0.008504598	-5.53
202663_at	WIPF1	WAS/WASL interacting protein family, member 1	2q31.1	GeneID:7456	7.611	8.033	4.178	5.423	0.002043182	-8.12

Supplementary Table 10. Enrichment analysis of ZNF703-induced genes in stem cell-related gene sets

Stem cell-related Gene sets	number of genes	number of common upregulated gene	Odd ratio	p-value	number of common downregulated gene	Odd ratio	p-value
BC.SPH_Dontu_2003_UP [1]	19	1	6,84	0,14	0	---	1,00
BC.DIFF.CELL_Dontu_2003_UP	34	0	---	1,00	0	---	1,00
BC.LIU.CLARKE_07_TUMOR_UP [2]	53	0	---	1,00	0	---	1,00
BC.LIU.CLARKE_07_NL_UP	49	0	---	1,00	0	---	1,00
S5.CD44.PROCR_SHIPITSIN_UP [3]	581	13	3,12	7,66E-04	4	5,13	1,36E-02
S5.CD24_SHIPITSIN_UP	837	3	0,42	0,16	2	1,49	0,65
S6.CD44.PROCR_SHIPITSIN_UP	738	18	3,62	2,02E-05	3	2,76	0,12
S6.CD24_SHIPITSIN_UP	939	3	0,37	---	1	0,62	---
MUR_S1.ESC.RHAMALOS.SANTOS_UP [4]	1113	12	1,39	0,29	2	1,09	0,71
MUR_S1.NSC.RHAMALOS.SANTOS_UP	1615	13	0,99	---	1	0,33	---
MUR_S1.HSC.RHAMALOS.SANTOS_UP	1172	11	1,18	0,60	3	1,65	0,43
MUR_S1.3SC.RHAMALOS.SANTOS_UP	176	3	2,16	0,17	0	---	1,00
MUR_S1.DIFF.CELL.RHAMALOS.SANTOS_UP	34	1	3,73	0,24	0	---	1,00
ESC_EXP1_ASSOU_07_UP [5]	280	5	2,30	0,08	0	---	1,00
ESC_EXP2_ASSOU_07_UP	23	0	---	1,00	0	---	1,00
ESC_NANOG.TG_BOYER_05_UP [6]	762	15	2,77	1,10E-03	2	1,65	0,37
ESC_OCT4.TG_BOYER_05_UP	208	5	3,13	2,70E-02	1	3,01	0,30
ESC_SOX2.TG_BOYER_05_UP	572	10	2,33	2,54E-02	2	2,25	0,25
ESC_NOS.TG_BOYER_05_UP	124	5	5,39	3,33E-03	1	5,11	0,19
ESC_NOS.TFS_BEN.PORATH_08_UP [7]	26	1	4,93	0,19	0	---	1,00
ESC_SUZ12.TG_LEE_06_DOWN [8]	273	14	7,73	3,48E-08	1	2,28	0,37
ESC_Eed.TG_LEE_06_DOWN	322	14	6,46	2,69E-07	2	4,11	0,10
ESC_H3K27.BOUND_LEE_06_DOWN	270	15	8,53	3,57E-09	1	2,31	0,37
ESC_PRC2.TG_LEE_06_DOWN	134	9	9,72	1,28E-06	0	---	1,00

ESC_MYC.TG_FERNANDEZ_03_UP [9]	171	0	---	0,65	0	---	1,00
ESC_MYC.TG_LI_03_UP [10]	684	1	0,17	---	0	---	0,62

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Supplementary table 11. Gene set enrichment analysis comparing activated transcription factors between Luminal A and B tumors

GeneSet NAME	NES	NOM p-val	FDR q-val	related to ER	related to E2F1
V\$E2F_Q4_01	1.6080362	0.01340996	0.36145526	0	1
V\$E2F_Q3_01	1.5612494	0.01367188	0.19358402	0	1
V\$E2F1_Q4_01	1.5604259	0.01574803	0.14629477	0	1
V\$E2F_Q3	1.5648698	0.01897533	0.27912444	0	1
V\$E2F1_Q4	1.473431	0.02	0.13964714	0	1
V\$NFY_Q6	1.4006773	0.03359684	0.11448564	0	0
V\$SF1_Q6	1.4190475	0.03665988	0.11261111	1	0
V\$E2F_Q1	1.50208	0.03703704	0.13072501	0	1
V\$E2F_Q6	1.5372139	0.03929273	0.14768334	0	1
V\$E2F_Q6_01	1.4904593	0.03977273	0.13112633	0	1
V\$E2F_Q4	1.5286542	0.04271845	0.13492224	0	1
SGCGSSAAA_V\$E2F1DP2_	1.5171028	0.04961832	0.12961467	0	1
V\$E2F_Q2	1.447814	0.06704981	0.14472038	0	1
V\$E2F1_Q6_01	1.4272875	0.06782946	0.12285861	0	1
V\$E2F1DP1_01	1.4413226	0.06805293	0.13186021	0	1
V\$E2F1DP2_01	1.4413226	0.06805293	0.1420033	0	1
V\$E2F4DP2_01	1.4413226	0.06805293	0.12306953	0	0
V\$E2F1_Q6	1.4632754	0.06923077	0.1383945	0	1
V\$E2F4DP1_01	1.4008076	0.07307693	0.1195215	0	0
V\$E2F1DP1RB_01	1.4192227	0.07421875	0.11837661	0	1
TGACCTTG_V\$SF1_Q6	1.2990955	0.07566463	0.22923508	1	0
V\$E2F_Q3	1.4286684	0.07854406	0.12915586	0	1
V\$E2F1_Q3	1.4270972	0.08510638	0.11627398	0	1
V\$NRSF_Q1	1.4171948	0.10239651	0.10884176	0	0
V\$MYC_Q2	1.2735047	0.10365854	0.2635931	1	1
V\$NFY_Q6_01	1.2384236	0.1125	0.32004306	0	0
V\$NFY_Q1	1.2381413	0.12474849	0.3091623	0	0
V\$MYCMAX_B	1.2019107	0.15492958	0.36516136	1	1
V\$MYCMAX_Q1	1.1893412	0.15637065	0.35880795	1	1
V\$GABP_B	1.3137958	0.15830116	0.21519631	0	0
V\$AP2_Q3	1.1895708	0.16396761	0.36946452	0	0
V\$USF_Q1	1.2157551	0.18093385	0.34662673	0	0
V\$MYCMAX_Q3	1.1532755	0.20281124	0.4306717	1	1
V\$PPARG_Q1	1.1968354	0.22469635	0.3646226	0	1
V\$ALPHACP1_Q1	1.1055497	0.2370518	0.549157	0	0
V\$AP1_Q1	1.0954514	0.28313252	0.54782003	1	0
V\$MAX_Q1	1.1000707	0.2848723	0.5493617	0	0
V\$ERR1_Q2	1.0818686	0.2862823	0.55666167	0	0
V\$MYOD_Q6	1.0894412	0.2868526	0.5494209	1	0
V\$ARNT_Q2	1.0734444	0.32862905	0.56750834	1	1
V\$ARNT_Q1	1.0613682	0.33333334	0.58912313	1	1
TGACGTCA_V\$ATF3_Q6	1.0534549	0.3392505	0.54658127	1	0
V\$ZF5_Q1	1.0596924	0.34257427	0.5799894	0	0
V\$EGR3_Q1	1.0538058	0.34455445	0.5576771	1	0
V\$CREB_Q1	1.0561404	0.34530938	0.5768721	1	0
V\$NFY_C	1.0491668	0.34631148	0.5468028	0	0
V\$HIF1_Q5	1.03944	0.36489153	0.5621367	0	0
V\$E2F1_Q3_01	1.0372447	0.37550202	0.5568147	0	1
V\$E2A_Q2	1.036396	0.37728193	0.54777545	0	0
CACGTG_V\$MYC_Q2	1.035608	0.3787575	0.5390147	1	1
V\$USF_C	1.0552706	0.37984496	0.5661506	0	0

V\$NRF1_Q6	1.0339642	0.3902439	0.5327982	1	0
V\$CREBP1CJUN_01	1.0138491	0.41025642	0.5649239	0	0
SCGGAAGY_V\$ELK1_02	1.0262437	0.42239687	0.5416531	1	0
V\$USF2_Q6	1.0133324	0.42460316	0.55617	0	0
RCGCANGCGY_V\$NRF1_C	1.0067084	0.4515504	0.5633411	1	0
GATTGGY_V\$NFY_Q6_01	1.0021206	0.45790553	0.5655511	0	0
V\$ATF_B	0.99639636	0.4625984	0.5707253	0	0
V\$USF_Q6	0.9889722	0.46887967	0.5811703	0	0
V\$SP1_Q6_01	0.9729574	0.49610895	0.60559666	1	0
V\$AP2ALPHA_01	0.97311777	0.5067961	0.61517066	1	0
V\$ELK1_02	0.95565945	0.5197629	0.6425873	1	0
V\$CMYB_01	0.94043595	0.56287426	0.6752284	1	1
V\$MYOD_Q6_01	0.9124171	0.6059406	0.7150062	1	0
V\$CREB_Q2_01	0.9265719	0.61445785	0.70530576	1	0
V\$AP2_Q6_01	0.91506135	0.6382536	0.7179062	0	0
V\$CDPCR3_01	0.8884589	0.6513944	0.7538901	0	0
V\$AP1_Q2_01	0.917723	0.6759062	0.7208253	1	0
V\$MAZR_01	0.8919978	0.68992245	0.7543249	0	0
V\$STAT1_03	0.91112626	0.69631237	0.70837325	0	0
V\$SREBP1_01	0.8448012	0.70980394	0.8009596	0	0
V\$AP4_Q6_01	0.8827933	0.73504275	0.75954115	0	0
V\$SPZ1_01	0.8564285	0.7414141	0.8022178	0	0
V\$RFX1_02	0.84646934	0.74375	0.80691963	0	0
V\$GATA_Q6	0.8699809	0.75	0.78554076	0	0
V\$MYOD_01	0.86296403	0.7824268	0.79490846	1	0
V\$ZF5_B	0.8415733	0.808	0.79939735	0	0
V\$HMx1_01	0.7851973	0.8312236	0.89054084	0	0
V\$E47_01	0.82851565	0.8394004	0.8220884	0	0
V\$USF_Q6_01	0.80880153	0.84294236	0.8598956	0	0
V\$EGR2_01	0.84881496	0.8512397	0.8115969	0	0
TGASTMAGC_V\$NFE2_01	0.788963	0.9080235	0.89355165	0	0
V\$TCF11MAFG_01	0.75511676	0.9358178	0.93554485	0	0
V\$SP1_Q6	0.71657956	0.96161616	0.9438392	1	0
V\$NRF2_01	0.6481754	0.9682243	0.9800875	0	0
V\$NGFIC_01	0.7223115	0.97510374	0.9482571	0	0
V\$NMYC_01	0.734098	0.9764706	0.94526005	0	1
V\$STAT1_02	0.7412521	0.98163265	0.9466872	0	0
V\$CETS1P54_01	-0.65808356	0.96458334	0.97581667	0	0
V\$NFE2_01	-0.7532867	0.94779116	0.8977309	0	0
TCANNTGAY_V\$SREBP1_01	-0.7784993	0.9338843	0.8656966	0	0
V\$ZIC1_01	-0.76823944	0.92367905	0.8783193	0	0
V\$HSF_Q6	-0.7695041	0.92141455	0.8781224	0	0
V\$BACH2_01	-0.78531915	0.8946322	0.8586541	0	0
V\$MYCMAX_02	-0.7883835	0.8937008	0.8564313	1	1
V\$YY1_Q6	-0.74272233	0.889336	0.90895194	0	0
V\$GNCF_01	-0.7604438	0.8813906	0.88891435	0	0
V\$AP1_Q6	-0.7927067	0.8796844	0.8499751	1	0
V\$STAT3_02	-0.78677183	0.8795181	0.8575539	1	1
V\$CREB_Q4_01	-0.8149615	0.87673956	0.8081498	1	0
V\$SP1_Q4_01	-0.78368306	0.87549406	0.8577333	1	0
V\$PAX3_01	-0.6838705	0.8742515	0.96309996	0	0
V\$ZIC2_01	-0.82414615	0.8729508	0.7902581	0	0
V\$TAXCREB_02	-0.711229	0.86821705	0.94265956	0	0
V\$NFMUE1_Q6	-0.7505357	0.8608871	0.8998354	0	0
RYTGCNNRGNAAC_V\$MIF	-0.7767621	0.84782606	0.866983	0	0
GCCATNTTG_V\$YY1_Q6	-0.7276368	0.8469602	0.92646956	0	0

V\$CREB_Q2	-0.8055631	0.8455285	0.8239999	1	0
V\$YY1_Q2	-0.78395176	0.84015596	0.859515	0	0
V\$DR1_Q3	-0.84131205	0.8377282	0.75831795	0	0
V\$LFA1_Q6	-0.82608515	0.8031189	0.7879632	0	0
V\$PAX5_Q1	-0.8132945	0.8008475	0.81002086	0	0
V\$CACCCBINDINGFACTOR	-0.85079205	0.7886497	0.7372147	0	0
V\$P300_Q1	-0.8666851	0.78571427	0.70210034	1	0
V\$PPARA_Q2	-0.808159	0.770428	0.82009035	0	0
V\$AP2GAMMA_Q1	-0.8388701	0.7647059	0.75989264	1	0
MGGAAGTG_V\$GABP_B	-0.83974653	0.7484909	0.7598442	0	0
GGGCGGR_V\$SP1_Q6	-0.88086694	0.7386831	0.67615765	1	0
V\$AP1_Q6_Q1	-0.8584426	0.7318008	0.7192703	1	0
V\$STAT1_Q1	-0.81535476	0.7235294	0.8093842	0	0
V\$ATF3_Q6	-0.8784407	0.71626985	0.68003476	1	0
V\$NRF2_Q4	-0.8857399	0.70542634	0.6672033	0	0
V\$CACBINDINGPROTEIN_Q	-0.86256015	0.7053045	0.7107054	0	0
V\$CREB_Q4	-0.8771449	0.6946565	0.68135285	1	0
V\$HIF1_Q3	-0.8822931	0.69	0.6741497	0	0
V\$MIF1_Q1	-0.87385696	0.6807229	0.68579054	0	0
V\$TAXCREB_Q1	-0.87593406	0.6784314	0.6825289	0	0
TGACCTY_V\$ERR1_Q2	-0.9189086	0.66464645	0.59748596	0	0
V\$DR3_Q4	-0.90091157	0.66088635	0.6335606	0	0
V\$AP2_Q6	-0.9056126	0.6585366	0.62366325	0	0
V\$BACH1_Q1	-0.8963364	0.6554455	0.6436964	0	0
TGAYRTCA_V\$ATF3_Q6	-0.90744674	0.6501976	0.6206491	1	0
V\$PAX5_Q2	-0.88587654	0.6333333	0.6687338	0	0
CCCNNGGGAR_V\$OLF1_Q	-0.9128858	0.6208897	0.6090495	0	0
V\$ER_Q6_Q2	-0.9294134	0.6201232	0.57697755	1	0
V\$GATA1_Q1	-0.9191837	0.59325397	0.5984881	0	0
V\$TEL2_Q6	-0.9175626	0.592233	0.5990235	0	0
V\$AP1_Q4	-0.93890977	0.5869565	0.55996525	1	0
V\$AR_Q1	-0.92872196	0.58237547	0.57696176	1	0
V\$PAX4_Q1	-0.9441677	0.5703125	0.54945123	0	0
V\$LMO2COM_Q2	-0.93514645	0.55424064	0.5677194	0	0
V\$CREBP1_Q2	-0.9563569	0.54969573	0.5274786	0	0
V\$LXR_Q3	-0.931917	0.54960316	0.5723517	0	0
V\$USF_Q2	-0.9466053	0.54653466	0.5450718	0	0
V\$HEB_Q6	-0.95225453	0.54598826	0.533626	0	0
V\$T3R_Q6	-0.95662636	0.54428047	0.52823615	0	0
V\$EGR1_Q1	-0.95341665	0.54414785	0.53241754	1	1
V\$ETS1_B	-0.9345754	0.5322896	0.5674723	0	0
V\$PPAR_DR1_Q2	-0.98013556	0.51111114	0.48244214	0	1
V\$PPARA_Q1	-0.9664597	0.51012146	0.50889206	0	0
V\$ATF_Q1	-0.96930164	0.50528544	0.504305	0	0
V\$MTF1_Q4	-0.9630515	0.5019763	0.5150889	0	0
V\$MYOGENIN_Q6	-0.9859708	0.49903288	0.47162944	0	0
V\$AREB6_Q1	-0.97816837	0.49402392	0.48519042	0	0
V\$EVI1_Q1	-1.0067526	0.47758284	0.44446936	0	1
V\$SP3_Q3	-0.9976801	0.47418737	0.4563333	1	1
V\$HNF4_DR1_Q3	-1.0011818	0.46398306	0.45065966	0	0
V\$AP1FJ_Q2	-0.9931532	0.45686275	0.458784	0	0
V\$MYB_Q3	-0.9972672	0.45614034	0.45440552	1	0
V\$ZIC3_Q1	-0.9911041	0.456	0.46168122	0	0
V\$NFKAPPAB_Q1	-0.9970874	0.4526515	0.45342597	0	0
V\$AP1_C	-0.99755466	0.45224172	0.45523706	1	0
V\$STAT_Q6	-1.003998	0.44378698	0.44768423	1	0

V\$GR_Q6	-1.0080311	0.44271845	0.44321835	0	0
V\$CDPCR3HD_01	-0.99345	0.43700787	0.45951444	0	0
V\$STAT3_01	-1.0215828	0.43548387	0.42296055	1	1
V\$LXR_DR4_Q3	-1.0066966	0.4354528	0.44323358	0	0
GTGACGY_V\$E4F1_Q6	-1.0214639	0.43326488	0.42192024	1	0
V\$EGR_Q6	-1.0117632	0.42718446	0.43685186	1	1
TGANNYRGCA_V\$TCF11M	-1.0250195	0.42626262	0.4172225	0	0
V\$FXR_Q3	-1.0254874	0.42276424	0.41748938	1	0
V\$ETF_Q6	-1.0024718	0.42168674	0.44939482	0	0
V\$NKC25_01	-1.0187621	0.4144144	0.42597198	0	0
V\$HNF4_01_B	-1.0183516	0.41164657	0.42547655	0	0
V\$FOXMI_01	-1.0177242	0.4074074	0.425443	1	0
V\$E4F1_Q6	-1.028708	0.39256197	0.41509622	1	0
V\$CREB_Q2	-1.0282975	0.39147288	0.41459262	1	0
V\$MAZ_Q6	-1.0255944	0.38963532	0.41853252	0	0
GGGNNTTTC_V\$NFKB_C	-1.0492152	0.3856859	0.3806484	0	1
V\$AHR_01	-1.0413203	0.38011697	0.39328572	1	0
TAAWWATAG_V\$RSRFC4_	-1.0361317	0.3785851	0.4023801	0	0
V\$ATF1_Q6	-1.0330955	0.37667304	0.40730113	0	0
V\$ISRE_01	-1.0598165	0.37171718	0.3666939	0	0
V\$ETS_Q4	-1.0562851	0.36821705	0.3686391	0	0
V\$AP4_Q6	-1.0482143	0.35907337	0.3812817	0	0
V\$IRF2_01	-1.080858	0.3480769	0.35018438	0	0
V\$PU1_Q6	-1.069323	0.33976835	0.35996217	0	0
V\$XBP1_01	-1.0593182	0.33867735	0.36523148	1	0
GGATTA_V\$PITX2_Q2	-1.0599399	0.33526012	0.36761385	1	0
RGAANNTTC_V\$HSF1_01	-1.0673625	0.33397314	0.35990784	0	0
RGAGGAARY_V\$PU1_Q6	-1.0837219	0.33333334	0.34748003	0	0
V\$MEF2_04	-1.1007918	0.33271027	0.32202	1	0
V\$NCX_01	-1.0616399	0.33205375	0.3657537	0	0
V\$CP2_02	-1.0594462	0.33069307	0.36620188	0	0
V\$AR_Q2	-1.0737935	0.33007812	0.3593663	1	0
V\$MZF1_02	-1.0623735	0.3288719	0.36571226	0	0
V\$SP1_Q2_01	-1.066393	0.32876712	0.36065188	1	0
V\$FOXJ2_01	-1.0684365	0.32793522	0.36033887	0	0
V\$TTF1_Q6	-1.0568361	0.32681018	0.36871797	0	0
V\$TCF1P_Q6	-1.0723444	0.32023576	0.35933113	0	0
V\$SREBP1_Q6	-1.0736016	0.31992337	0.3584946	0	0
V\$PAX2_01	-1.1086859	0.3164794	0.31320843	0	0
V\$AREB6_02	-1.0661848	0.31609195	0.35974914	0	0
V\$NKC61_01	-1.0742804	0.31609195	0.3596497	0	0
V\$SREBP_Q3	-1.0703146	0.314	0.35940436	0	0
V\$AP4_01	-1.0680022	0.31213874	0.35988623	0	0
V\$HEN1_01	-1.0718443	0.31021196	0.3590205	0	0
V\$LBP1_Q6	-1.1005645	0.30241188	0.32132843	0	0
V\$E47_02	-1.0704635	0.3015873	0.36031133	0	0
V\$PTF1BETA_Q6	-1.0798522	0.28857717	0.3508649	0	0
V\$TGIF_01	-1.0826137	0.2851638	0.34825256	0	0
V\$HSF1_01	-1.0927547	0.28030303	0.33433023	0	0
TTCNRGNNNTTC_V\$HSF	-1.1199793	0.278	0.29898554	0	0
V\$CDPCR1_01	-1.0894681	0.2751938	0.33910975	0	0
V\$EV11_02	-1.1210579	0.26792452	0.29947716	0	1
V\$CP2_01	-1.1066055	0.26526716	0.3143046	0	0
V\$PIT1_Q6	-1.130703	0.26336634	0.28848803	1	0
V\$CREL_01	-1.1357502	0.2632613	0.28177488	0	0
V\$IK3_01	-1.1022478	0.26306307	0.32078624	0	0

V\$CDP_02	-1.1496753	0.26294822	0.2681724	0	0
TGANTCA_V\$AP1_C	-1.0857639	0.26131687	0.34462982	1	0
V\$GATA1_04	-1.1435564	0.26045626	0.2726229	0	0
V\$NERF_Q2	-1.1193084	0.25585938	0.29787484	0	0
V\$AP2REP_01	-1.1223881	0.2552381	0.29842785	0	0
CTAWWWATA_V\$RSRFC4	-1.1199325	0.24903475	0.29799762	0	0
V\$AHR_Q5	-1.1235417	0.24701196	0.29766545	1	0
V\$ELF1_Q6	-1.1727003	0.24564797	0.2565066	0	0
V\$GATA3_01	-1.1404663	0.24497992	0.27642307	1	0
V\$LEF1_Q2	-1.108185	0.24236642	0.3129245	0	1
V\$LEF1_Q6	-1.1201583	0.23846154	0.29974502	0	1
V\$AHRARNT_01	-1.1516187	0.2334004	0.26716045	1	0
V\$NFKB_Q6	-1.1551362	0.23242188	0.26466265	0	1
V\$NFKAPPAB65_01	-1.1484681	0.232	0.2679311	0	0
V\$AML_Q6	-1.1647217	0.22736418	0.26001287	0	0
V\$GRE_C	-1.1727141	0.22352941	0.25758436	0	0
CATTGTYV_V\$SOX9_B1	-1.1748458	0.21576764	0.2577316	0	0
V\$TAL1BETAITF2_01	-1.1671094	0.2152381	0.25859955	0	0
V\$LMO2COM_01	-1.1554931	0.21497121	0.26515648	0	0
V\$ELK1_01	-1.1846389	0.2128514	0.24812247	1	0
V\$FXR_IR1_Q6	-1.1297647	0.21010101	0.2889885	1	0
V\$PBX1_01	-1.1702086	0.20889749	0.25708434	0	0
V\$TFIIA_Q6	-1.1952693	0.20773931	0.24188377	0	0
V\$COUP_01	-1.1464958	0.20612244	0.26903084	1	0
V\$AR_03	-1.1822789	0.20571429	0.25071564	1	0
V\$PR_01	-1.1609849	0.20527308	0.26239994	1	0
CAGGTG_V\$E12_Q6	-1.115386	0.20272905	0.30302057	0	0
V\$RFX1_01	-1.1564162	0.20079523	0.26488024	0	0
V\$MAF_Q6	-1.1533166	0.1979798	0.2653075	0	0
V\$TBP_01	-1.148907	0.19178082	0.2682721	1	1
V\$IRF1_01	-1.1865873	0.19132149	0.24621993	0	0
V\$HSF2_01	-1.1575403	0.19094488	0.26420173	0	0
GCANCTGNY_V\$MYOD_Q1	-1.1374685	0.19056603	0.279936	1	0
YATGNWAAT_V\$OCT_C	-1.169153	0.18945312	0.2564935	1	0
V\$IRF7_01	-1.1787834	0.1891892	0.2539383	0	0
V\$SMAD3_Q6	-1.1590621	0.18834952	0.2640056	0	1
V\$HNF4_01	-1.1620568	0.18796992	0.26282486	0	0
V\$ATF4_Q2	-1.1756884	0.18618043	0.25752512	0	0
V\$GATA_C	-1.1512696	0.18484288	0.26668248	0	0
V\$AP1_Q2	-1.1867733	0.18431373	0.24700883	1	0
V\$DR4_Q2	-1.1706631	0.18320611	0.2575336	0	0
V\$LYF1_01	-1.1585484	0.17843138	0.26374447	0	0
V\$GATA1_02	-1.169563	0.17794971	0.25700083	0	0
V\$ETS2_B	-1.2291425	0.17741935	0.21282925	0	0
V\$GCM_Q2	-1.146858	0.17669903	0.26942393	0	0
V\$VDR_Q3	-1.1818899	0.17636022	0.25022244	0	0
V\$TCF11_01	-1.1937296	0.17489712	0.2418308	0	0
V\$OLF1_01	-1.1665986	0.17391305	0.25829378	0	0
V\$OCT1_Q6	-1.1921389	0.1695238	0.24001287	0	0
V\$GATA2_01	-1.1733551	0.16826004	0.2588725	0	0
V\$NFKB_Q6_01	-1.1929854	0.16635513	0.24090514	0	1
V\$ARP1_01	-1.1730018	0.16403162	0.2582906	1	0
V\$AREB6_03	-1.15414	0.162	0.26521534	0	0
V\$MZF1_01	-1.2095643	0.1617357	0.22938405	0	0
V\$MEF2_Q6_01	-1.1929089	0.15851273	0.23993099	1	0
V\$TATA_C	-1.2183484	0.15625	0.22007357	0	0

V\$EVI1_03	-1.2206049	0.15612648	0.21912487	0	1
V\$SOX9_B1	-1.2202822	0.15555556	0.21853288	0	0
GGGAGGRR_V\$MAZ_Q6	-1.1615845	0.15445544	0.2625307	0	0
V\$HOX13_01	-1.2445556	0.15430862	0.19887723	0	0
V\$COREBINDINGFACTOR_	-1.2677729	0.15370019	0.18079373	0	0
V\$E12_Q6	-1.1938969	0.1521739	0.24271354	0	0
V\$IRF1_Q6	-1.2033564	0.15185185	0.23373264	0	0
V\$PAX4_03	-1.1983157	0.15105163	0.24064645	0	0
TGATTRY_V\$GFI1_01	-1.2035855	0.15073529	0.23452105	0	0
CCAWWNAAGG_V\$SRF_Q	-1.2783965	0.15042374	0.17580166	1	0
V\$COMP1_01	-1.2253784	0.14744802	0.21584779	0	0
V\$HNF4ALPHA_Q6	-1.2156363	0.14424951	0.22295284	0	0
V\$POU3F2_02	-1.2049384	0.14396887	0.23370007	0	0
V\$HAND1E47_01	-1.1977079	0.14313726	0.24050017	0	0
V\$MEIS1BHOXA9_01	-1.2089992	0.14313346	0.22903721	0	0
V\$PEA3_Q6	-1.2877815	0.1375969	0.17052944	0	0
V\$PAX3_B	-1.2464708	0.13294798	0.19749746	0	0
V\$MMEF2_Q6	-1.2239157	0.13279678	0.21660426	0	0
V\$COUP_DR1_Q6	-1.1716882	0.1322314	0.25688568	1	0
V\$AP1_Q4_01	-1.1933769	0.1321499	0.24134783	1	0
V\$TATA_01	-1.2542077	0.12770137	0.19378895	0	0
RGTTAMWNATT_V\$HNF1_	-1.2610205	0.12727273	0.18670022	0	0
V\$MEIS1_01	-1.2236512	0.12720157	0.21595752	0	0
V\$YY1_01	-1.2556205	0.12701613	0.19282219	0	0
GGGTGRR_V\$PAX4_03	-1.2115221	0.12650603	0.22760844	0	0
V\$WHN_B	-1.2318431	0.12573674	0.21005969	0	0
V\$SMAD_Q6	-1.2434821	0.1242485	0.19927734	0	0
V\$GR_Q6_01	-1.2324777	0.12244898	0.21019891	0	0
V\$GATA1_03	-1.2732776	0.11787819	0.17922369	0	0
V\$BRN2_01	-1.2274691	0.11637081	0.21402575	0	0
V\$EVI1_04	-1.2706206	0.11623246	0.1803081	0	1
V\$AR_02	-1.275307	0.11545624	0.17862871	1	0
V\$NFKB_C	-1.2537628	0.11509434	0.19233662	0	1
V\$CREB_Q3	-1.2538058	0.11332008	0.19323613	1	0
YTAATTA_V\$LHX3_01	-1.3032596	0.11262136	0.15749107	0	0
V\$TEF1_Q6	-1.280167	0.11222445	0.17463125	0	0
V\$IRF_Q6	-1.3210902	0.11175337	0.14911388	0	0
V\$PBX1_02	-1.2686867	0.11111111	0.18056296	0	0
V\$NKX3A_01	-1.249701	0.11025145	0.19550364	0	0
V\$PAX8_01	-1.3669938	0.1097561	0.13846718	0	0
V\$ER_Q6_01	-1.2477843	0.10898662	0.19690755	1	0
CAGCTG_V\$AP4_Q5	-1.1970166	0.10754717	0.24040915	0	0
V\$NF1_Q6	-1.2340945	0.10526316	0.20894878	1	0
V\$TITF1_Q3	-1.2818202	0.10379241	0.17377238	0	0
V\$CEBPB_01	-1.2850037	0.10079052	0.17102775	0	0
RYTTCCTG_V\$ETS2_B	-1.3179454	0.09881423	0.14874637	0	0
V\$HTF_01	-1.3714345	0.0987395	0.13927948	0	0
V\$EFC_Q6	-1.2857127	0.09784736	0.1710528	0	0
V\$RREB1_01	-1.2347211	0.09760957	0.2091179	0	0
STTCRNTTT_V\$IRF_Q6	-1.31684	0.09338521	0.14801759	0	0
V\$CHX10_01	-1.3265443	0.09218437	0.14728194	0	0
V\$STAT6_02	-1.3605107	0.09197652	0.13963602	0	0
V\$AHRARNT_02	-1.4346048	0.09163347	0.12690483	1	0
V\$HMGY_Q6	-1.2381707	0.09074074	0.20555243	0	0
V\$PAX6_01	-1.3715948	0.08858268	0.14025874	0	0
V\$RORA1_01	-1.2866348	0.08840864	0.17075655	0	0

V\$PR_Q2	-1.2904644	0.0877193	0.16843732	1	0
V\$ICSBP_Q6	-1.320491	0.08712121	0.14780827	0	0
CTTTGT_V\$LEF1_Q2	-1.2742609	0.08686869	0.17890951	0	1
V\$OCT1_07	-1.313263	0.08627451	0.15026438	0	0
V\$POU1F1_Q6	-1.2725687	0.08587787	0.17906877	1	0
V\$ZID_01	-1.2531108	0.08450704	0.1922001	0	0
V\$CEBPGAMMA_Q6	-1.3253828	0.08213552	0.14754848	0	0
CGTSACG_V\$PAX3_B	-1.3465261	0.08203125	0.14062625	0	0
V\$PAX8_B	-1.3308897	0.08151093	0.14871591	0	0
V\$HEN1_02	-1.3060795	0.08086785	0.1550766	0	0
V\$SREBP1_02	-1.3565187	0.0806142	0.13711153	0	0
V\$GATA1_05	-1.3287141	0.07936508	0.14781983	0	0
V\$NKX62_Q2	-1.3293539	0.0785124	0.14814575	0	0
V\$RP58_01	-1.3445816	0.07843138	0.14137684	0	0
V\$RSRFC4_01	-1.2914515	0.07839388	0.16838689	0	0
V\$AP4_Q5	-1.2640415	0.07794677	0.18392493	0	0
TTAYRTAA_V\$E4BP4_01	-1.3679421	0.07786885	0.1386619	0	0
V\$LHX3_01	-1.3280123	0.07784431	0.14674208	0	0
V\$EV11_06	-1.4316373	0.0754717	0.12699789	0	1
V\$TFI11_Q6	-1.3071306	0.0744879	0.15492553	0	0
V\$SOX5_01	-1.3631024	0.07355865	0.13902707	0	0
V\$AR_Q6	-1.3685783	0.07226563	0.1414523	1	0
V\$POU3F2_01	-1.3770517	0.07226563	0.14081413	0	0
V\$CEBP_01	-1.299937	0.06990291	0.15926224	0	0
V\$GFI1_01	-1.3205922	0.06882591	0.14867099	0	0
V\$CEBP_Q3	-1.3347054	0.06849315	0.14570563	0	0
V\$AFP1_Q6	-1.328713	0.06706114	0.14682105	0	0
V\$HLF_01	-1.3504758	0.06666667	0.14056702	0	0
RACCACAR_V\$AML_Q6	-1.3968316	0.06601942	0.13845879	0	0
WGAATGY_V\$TEF1_Q6	-1.3912467	0.06540085	0.14172624	0	0
GATAAGR_V\$GATA_C	-1.300407	0.06451613	0.15966175	0	0
V\$CREBP1_01	-1.3734761	0.06404959	0.14340422	0	0
V\$FREAC3_01	-1.3788447	0.06395349	0.14163727	0	0
V\$MSX1_01	-1.3426453	0.06358381	0.1413518	0	0
V\$STAT5A_02	-1.3492655	0.06331471	0.14070773	1	0
V\$SR_Y_02	-1.3880336	0.06324111	0.14223103	0	0
V\$STAT5A_03	-1.3304428	0.06324111	0.14819245	1	0
V\$STAT6_01	-1.3795605	0.0627451	0.14207312	0	0
V\$OCT1_Q5_01	-1.3097024	0.0626186	0.15321784	0	0
V\$SRF_01	-1.4880223	0.06160164	0.11081832	1	0
V\$MEF2_01	-1.3682137	0.06054688	0.13949427	1	0
V\$HNF4_Q6	-1.3389678	0.06024097	0.14314824	0	0
TTCYNRGAA_V\$STAT5B_C	-1.3844122	0.06007752	0.1408179	1	0
V\$SMAD4_Q6	-1.3600397	0.05991736	0.13897131	0	0
V\$HFH4_01	-1.3726646	0.05942623	0.14179158	0	0
V\$GATA6_01	-1.3583367	0.05925926	0.13842186	0	0
V\$VDR_Q6	-1.2687173	0.05769231	0.18153626	0	0
AAAYWAACM_V\$HFH4_01	-1.3637893	0.05765408	0.13936183	0	0
V\$OCT1_05	-1.3590363	0.05725191	0.13888958	0	0
V\$AMEF2_Q6	-1.3475124	0.05534351	0.14052089	0	0
V\$CDX2_Q5	-1.4001321	0.05479452	0.13902624	0	0
V\$MYB_Q5_01	-1.3182861	0.05346535	0.14924625	1	0
V\$TAL1ALPHAE47_01	-1.3143086	0.05303031	0.15012424	0	0
V\$TAL1BETAE47_01	-1.3373998	0.05283757	0.14384757	0	0
CTTTGA_V\$LEF1_Q2	-1.317919	0.05242718	0.1478457	0	1
V\$CEBPB_02	-1.3838848	0.05148515	0.1401421	0	0

V\$PAX4_04	-1.4644647	0.05122951	0.11846336	0	0
V\$E2F_Q2	-1.45475	0.05009634	0.11472054	0	1
V\$STAT_01	-1.3236645	0.04980843	0.14853545	1	0
V\$STAT5A_01	-1.3821611	0.04960318	0.14044386	1	0
V\$E4BP4_01	-1.3980734	0.04907975	0.13994133	0	0
V\$NFAT_Q6	-1.3853657	0.04907975	0.14108092	1	0
V\$ATF6_01	-1.3875185	0.04887984	0.1414435	0	0
V\$CEBPDELTA_Q6	-1.4110836	0.04816956	0.1340539	1	0
V\$POU6F1_01	-1.4165275	0.04708098	0.1309661	0	0
V\$CRX_Q4	-1.3507944	0.04554455	0.14135635	0	0
V\$STAT5B_01	-1.4624867	0.04536489	0.1191335	1	0
V\$MEF2_03	-1.3623855	0.04509804	0.13868882	1	0
V\$EN1_01	-1.3578333	0.04483431	0.13784365	0	0
TATAAA_V\$TATA_01	-1.3213758	0.04373758	0.14981982	0	0
V\$OCT1_B	-1.3410488	0.0433213	0.14204633	0	0
V\$AP3_Q6	-1.364011	0.04255319	0.14041117	0	0
V\$PR_02	-1.3963007	0.04227941	0.13760982	1	0
V\$HNF6_Q6	-1.3784325	0.04198473	0.14075638	0	0
V\$OCT_Q6	-1.3724664	0.04135338	0.14067405	1	0
V\$TCF4_Q5	-1.3731887	0.0412758	0.14236993	0	0
V\$NKX25_02	-1.3509604	0.04125737	0.14224845	0	0
V\$RSRFC4_Q2	-1.3895798	0.04109589	0.14195749	0	0
V\$CEBP_Q2	-1.4303542	0.04016064	0.12669098	0	0
V\$HFH1_01	-1.4051219	0.03773585	0.13639905	0	0
V\$TST1_01	-1.4218842	0.03703704	0.12805533	0	0
V\$OCT_C	-1.3682717	0.03642987	0.14066446	1	0
V\$SRF_Q6	-1.5527453	0.03636364	0.12333468	1	0
V\$HFH8_01	-1.4360834	0.03578529	0.12713137	0	0
V\$S8_01	-1.4226005	0.03441683	0.12872534	0	0
V\$IK1_01	-1.4214641	0.03420523	0.12686217	0	0
V\$CDP_01	-1.5072784	0.03307393	0.11149745	0	0
V\$FREAC7_01	-1.4563166	0.03232323	0.11632671	0	0
V\$NF1_Q6_01	-1.3427738	0.03137255	0.14230011	1	0
V\$SRF_Q4	-1.5630637	0.03073771	0.11977102	1	0
V\$MEF2_02	-1.3571037	0.03047619	0.13753264	1	0
V\$PAX4_02	-1.4120474	0.03041825	0.13453527	0	0
V\$RORA2_01	-1.4077128	0.03	0.13465099	0	0
V\$CEBP_C	-1.4782833	0.02982107	0.11489081	0	0
CAGGTA_V\$AREB6_01	-1.3491517	0.02906977	0.1397572	0	0
V\$PITX2_Q2	-1.4427125	0.02862595	0.12487384	1	0
V\$OSF2_Q6	-1.3973397	0.02851711	0.13935222	0	0
V\$PXR_Q2	-1.4602623	0.02794411	0.11392351	1	0
V\$CEBPA_01	-1.4328424	0.02788845	0.12728713	0	0
V\$OCT1_02	-1.4243511	0.02674897	0.12846404	0	0
V\$FREAC2_01	-1.47823	0.02666667	0.11277988	0	0
V\$GR_01	-1.4041059	0.02666667	0.13605076	0	0
V\$P53_02	-1.3864837	0.02626642	0.14113604	1	0
V\$CHOP_01	-1.4885604	0.026	0.11732177	0	0
V\$CART1_01	-1.4714621	0.0254902	0.11653609	0	0
V\$HFH3_01	-1.460493	0.02480916	0.11545901	0	0
V\$CDC5_01	-1.5125796	0.02348337	0.11478687	0	0
V\$NKX22_01	-1.4418974	0.02316602	0.12400258	0	0
V\$NFAT_Q4_01	-1.4398774	0.02307692	0.12467086	1	0
V\$IK2_01	-1.4739578	0.02249489	0.11588942	1	0
V\$DBP_Q6	-1.5059973	0.02156863	0.1104933	1	0
V\$STAT4_01	-1.5692568	0.0212766	0.12319092	1	0

V\$IPF1_Q4	-1.4880842	0.01988072	0.11303709	0	0
V\$SP1_01	-1.5289329	0.01984127	0.11897605	1	0
V\$PAX_Q6	-1.498591	0.01972387	0.11094969	0	0
V\$HOXA4_Q2	-1.4701718	0.01934236	0.11585394	0	0
V\$SRF_C	-1.6495678	0.01875	0.17390291	1	0
TGACAGNY_V\$MEIS1_01	-1.4093014	0.01778656	0.13418667	0	0
V\$P53_DECAMER_Q2	-1.4293313	0.01778656	0.12599535	1	0
V\$HMEF2_Q6	-1.426629	0.01694915	0.12717342	0	0
V\$OCT1_01	-1.4622382	0.01657459	0.11742353	0	0
TGGAAA_V\$NFAT_Q4_01	-1.4549146	0.01609658	0.11638765	1	0
V\$FAC1_01	-1.5359752	0.01577909	0.1274976	0	0
V\$SRF_Q5_01	-1.6198902	0.01414141	0.156994	1	0
TTGTTT_V\$FOXO4_01	-1.4882104	0.01408451	0.11522193	0	0
V\$TEF_Q6	-1.5568876	0.01402806	0.12327384	1	0
V\$CEBP_Q2_01	-1.5154052	0.01364522	0.11466605	0	0
V\$FOXO4_02	-1.451187	0.01351351	0.11723646	0	0
V\$OCT1_04	-1.5223508	0.01346154	0.11610168	0	0
TGCCAAR_V\$NF1_Q6	-1.5009998	0.012	0.11302084	1	0
V\$OCT1_06	-1.4681382	0.01197605	0.11632563	0	0
V\$FOXO1_02	-1.5469917	0.01171875	0.12093191	1	0
V\$MYB_Q6	-1.4850972	0.01169591	0.11185444	1	0
V\$AML1_01	-1.5812889	0.01165049	0.13529222	0	0
V\$AML1_Q6	-1.5812889	0.01165049	0.12683645	0	0
V\$HNF3B_01	-1.5006096	0.01165049	0.11107901	0	0
V\$FOXO4_01	-1.5281856	0.01158301	0.11607751	0	0
YTATTTNR_V\$MEF2_02	-1.480681	0.01158301	0.11407978	1	0
V\$STAT5A_04	-1.5346708	0.01149425	0.12444168	1	0
V\$HNF1_01	-1.4612346	0.01012146	0.11640648	0	0
V\$FOXO3_01	-1.5276172	0.01010101	0.11334333	0	0
V\$FREAC4_01	-1.595093	0.01002004	0.14268534	0	0
RTAAACA_V\$FREAC2_01	-1.5163678	0.00986193	0.11701166	0	0
V\$HNF1_C	-1.5743504	0.00984252	0.12869148	0	0
V\$EVI1_05	-1.5503354	0.00963391	0.12087664	0	1
V\$MYOGNF1_01	-1.6109638	0.00826446	0.14020717	1	0
TAATTA_V\$CHX10_01	-1.5108709	0.00787402	0.11353545	0	0
V\$CIZ_01	-1.6217434	0.00784314	0.20541638	0	0
V\$ER_Q6	-1.5290958	0.00776699	0.12281801	1	0
V\$GATA4_Q3	-1.5088729	0.00772201	0.112824	0	0
V\$HNF3_Q6	-1.4962187	0.00594059	0.11120772	1	0
V\$MEIS1AHOXA9_01	-1.5420316	0.00585938	0.12349407	0	0
V\$HP1SITEFACTOR_Q6	-1.5670202	0.00574713	0.11996889	0	0
TGTTTGY_V\$HNF3_Q6	-1.5303377	0.00399202	0.12506737	1	0
V\$PAX2_02	-1.6101288	0.00396825	0.12901054	0	0
V\$HNF1_Q6	-1.5186156	0.00391389	0.11803719	0	0
V\$FOX_Q2	-1.5710179	0.00379507	0.12775126	0	0
V\$FOXO3_01	-1.6204904	0.00376648	0.17800963	1	1
V\$OCT1_03	-1.7548891	0.00194932	0.0977907	0	0
V\$FOXJ2_02	-1.5922582	0.00194553	0.13734926	0	0
V\$SRY_01	-1.6816318	0.00194553	0.14248738	0	0
V\$FOXO1_01	-1.5832654	0.0018797	0.1416504	1	0
TTGCWCAAY_V\$CEBPB_0	-1.8247044	0	0.06163377	0	0
V\$AREB6_04	-1.6164918	0	0.14603798	0	0
V\$HNF3ALPHA_Q6	-1.6949065	0	0.15418825	1	0

Supplementary Table 12 : Identification of the 100 luminal breast tumors in GEO public database.

Title	Molecular Subtype	Public database	Data set	Sample
OXFT_1770	Luminal A	Gene Expression Omnibus	GSE6532	GSM65348
BC151	Luminal A	Gene Expression Omnibus	GSE21653	GSM540258
BC155	Luminal A	Gene Expression Omnibus	GSE21653	GSM540262
BC172	Luminal A	Gene Expression Omnibus	GSE21653	GSM540279
BC173	Luminal A	Gene Expression Omnibus	GSE21653	GSM540280
BC179	Luminal A	Gene Expression Omnibus	GSE21653	GSM540286
BC180	Luminal A	Gene Expression Omnibus	GSE21653	GSM540287
BC189	Luminal A	Gene Expression Omnibus	GSE21653	GSM540296
BC198	Luminal A	Gene Expression Omnibus	GSE21653	GSM540305
BC206	Luminal A	Gene Expression Omnibus	GSE21653	GSM540313
BC7	Luminal A	Gene Expression Omnibus	GSE21653	GSM540114
BC15	Luminal A	Gene Expression Omnibus	GSE21653	GSM540122
BC19	Luminal A	Gene Expression Omnibus	GSE21653	GSM540126
BC26	Luminal A	Gene Expression Omnibus	GSE21653	GSM540133
BC27	Luminal A	Gene Expression Omnibus	GSE21653	GSM540134
BC28	Luminal A	Gene Expression Omnibus	GSE21653	GSM540135
BC29	Luminal A	Gene Expression Omnibus	GSE21653	GSM540136
BC37	Luminal A	Gene Expression Omnibus	GSE21653	GSM540144
BC38	Luminal A	Gene Expression Omnibus	GSE21653	GSM540145
BC43	Luminal A	Gene Expression Omnibus	GSE21653	GSM540150
BC46	Luminal A	Gene Expression Omnibus	GSE21653	GSM540153
BC53	Luminal A	Gene Expression Omnibus	GSE21653	GSM540160
BC56	Luminal A	Gene Expression Omnibus	GSE21653	GSM540163
BC62	Luminal A	Gene Expression Omnibus	GSE21653	GSM540169
BC63	Luminal A	Gene Expression Omnibus	GSE21653	GSM540170
BC64	Luminal A	Gene Expression Omnibus	GSE21653	GSM540171
BC66	Luminal A	Gene Expression Omnibus	GSE21653	GSM540173
BC68	Luminal A	Gene Expression Omnibus	GSE21653	GSM540175
BC72	Luminal A	Gene Expression Omnibus	GSE21653	GSM540179
BC78	Luminal A	Gene Expression Omnibus	GSE21653	GSM540185
BC81	Luminal A	Gene Expression Omnibus	GSE21653	GSM540188
BC84	Luminal A	Gene Expression Omnibus	GSE21653	GSM540191
BC85	Luminal A	Gene Expression Omnibus	GSE21653	GSM540192
BC86	Luminal A	Gene Expression Omnibus	GSE21653	GSM540193
BC87	Luminal A	Gene Expression Omnibus	GSE21653	GSM540194
BC93	Luminal A	Gene Expression Omnibus	GSE21653	GSM540200
BC95	Luminal A	Gene Expression Omnibus	GSE21653	GSM540202
BC96	Luminal A	Gene Expression Omnibus	GSE21653	GSM540203
BC97	Luminal A	Gene Expression Omnibus	GSE21653	GSM540204
BC98	Luminal A	Gene Expression Omnibus	GSE21653	GSM540205
BC100	Luminal A	Gene Expression Omnibus	GSE21653	GSM540207
BC103	Luminal A	Gene Expression Omnibus	GSE21653	GSM540210
BC104	Luminal A	Gene Expression Omnibus	GSE21653	GSM540211
BC105	Luminal A	Gene Expression Omnibus	GSE21653	GSM540212
BC113	Luminal A	Gene Expression Omnibus	GSE21653	GSM540220
BC115	Luminal A	Gene Expression Omnibus	GSE21653	GSM540222
BC116	Luminal A	Gene Expression Omnibus	GSE21653	GSM540223
BC118	Luminal A	Gene Expression Omnibus	GSE21653	GSM540225
BC121	Luminal A	Gene Expression Omnibus	GSE21653	GSM540228
BC122	Luminal A	Gene Expression Omnibus	GSE21653	GSM540229
BC123	Luminal A	Gene Expression Omnibus	GSE21653	GSM540230
BC125	Luminal A	Gene Expression Omnibus	GSE21653	GSM540232
BC126	Luminal A	Gene Expression Omnibus	GSE21653	GSM540233

BC127	Luminal A	Gene Expression Omnibus	GSE21653	GSM540234
BC132	Luminal A	Gene Expression Omnibus	GSE21653	GSM540239
BC133	Luminal A	Gene Expression Omnibus	GSE21653	GSM540240
BC136	Luminal A	Gene Expression Omnibus	GSE21653	GSM540243
BC134	Luminal A	Gene Expression Omnibus	GSE21653	GSM540241
BC140	Luminal A	Gene Expression Omnibus	GSE21653	GSM540247
OXFT_1902	Luminal B	Gene Expression Omnibus	GSE6532	GSM65354
OXFT_209	Luminal B	Gene Expression Omnibus	GSE6532	GSM65344
OXFT_596	Luminal B	Gene Expression Omnibus	GSE6532	GSM65371
BC162	Luminal B	Gene Expression Omnibus	GSE21653	GSM540269
BC170	Luminal B	Gene Expression Omnibus	GSE21653	GSM540277
BC171	Luminal B	Gene Expression Omnibus	GSE21653	GSM540278
BC177	Luminal B	Gene Expression Omnibus	GSE21653	GSM540284
BC11	Luminal B	Gene Expression Omnibus	GSE21653	GSM540118
BC188	Luminal B	Gene Expression Omnibus	GSE21653	GSM540295
BC191	Luminal B	Gene Expression Omnibus	GSE21653	GSM540298
BC192	Luminal B	Gene Expression Omnibus	GSE21653	GSM540299
BC196	Luminal B	Gene Expression Omnibus	GSE21653	GSM540303
BC199	Luminal B	Gene Expression Omnibus	GSE21653	GSM540306
BC204	Luminal B	Gene Expression Omnibus	GSE21653	GSM540311
BC1	Luminal B	Gene Expression Omnibus	GSE21653	GSM540108
GUYT_50111	Luminal B	Gene Expression Omnibus	GSE6532	GSM151266
GUYT_50115	Luminal B	Gene Expression Omnibus	GSE6532	GSM151268
GUYT_50119	Luminal B	Gene Expression Omnibus	GSE6532	GSM151272
GUYT_50132	Luminal B	Gene Expression Omnibus	GSE6532	GSM151281
GUYT_50136	Luminal B	Gene Expression Omnibus	GSE6532	GSM151284
GUYT_50148	Luminal B	Gene Expression Omnibus	GSE6532	GSM151289
GUYT_50160	Luminal B	Gene Expression Omnibus	GSE6532	GSM151299
GUYT_50200	Luminal B	Gene Expression Omnibus	GSE6532	GSM151320
GUYT_50219	Luminal B	Gene Expression Omnibus	GSE6532	GSM151326
BC16	Luminal B	Gene Expression Omnibus	GSE21653	GSM540123
BC21	Luminal B	Gene Expression Omnibus	GSE21653	GSM540128
BC24	Luminal B	Gene Expression Omnibus	GSE21653	GSM540131
BC32	Luminal B	Gene Expression Omnibus	GSE21653	GSM540139
BC35	Luminal B	Gene Expression Omnibus	GSE21653	GSM540142
BC41	Luminal B	Gene Expression Omnibus	GSE21653	GSM540148
BC45	Luminal B	Gene Expression Omnibus	GSE21653	GSM540152
BC58	Luminal B	Gene Expression Omnibus	GSE21653	GSM540165
BC59	Luminal B	Gene Expression Omnibus	GSE21653	GSM540166
BC61	Luminal B	Gene Expression Omnibus	GSE21653	GSM540168
BC70	Luminal B	Gene Expression Omnibus	GSE21653	GSM540177
BC75	Luminal B	Gene Expression Omnibus	GSE21653	GSM540182
BC89	Luminal B	Gene Expression Omnibus	GSE21653	GSM540196
BC94	Luminal B	Gene Expression Omnibus	GSE21653	GSM540201
BC114	Luminal B	Gene Expression Omnibus	GSE21653	GSM540221
BC124	Luminal B	Gene Expression Omnibus	GSE21653	GSM540231
BC146	Luminal B	Gene Expression Omnibus	GSE21653	GSM540253
