

Supplementary Table 3. List of genes for selective sweeps detected with FLK with 0.05% threshold in white layers.

Chr	Start	End	Description	FLK
1	621303	630454	interferon regulatory factor 5	17.98
1	630567	647745	transportin 3	17.98
1	658443	664773	Smoothened homolog	17.98
1	690901	708802	Adenosylhomocysteinase	17.98
1	710117	727850	striatin interacting protein 2	17.98
1	757267	795092	nuclear respiratory factor 1	17.98
1	807182	849202	ubiquitin-conjugating enzyme E2 H	17.98
1	850460	859444	nuclear-interacting partner of ALK	17.98
1	911097	915397	carboxypeptidase A5 precursor	17.98
1	916281	920045	carboxypeptidase A1 preproprotein	17.98
1	921538	929838	Centrosomal protein of 41 kDa	17.98
1	935413	954122	Coatomer subunit gamma	17.98
1	995787	1011804	ankyrin repeat domain-containing protein 16	17.98
1	1012026	1028924	rab GDP dissociation inhibitor beta	17.98
1	1016281	1061797	family with sequence similarity 208, member B	17.98
1	1068473	1076747	ankyrin repeat and SOCS box protein 13	17.98
1	1088060	1099472	neuroepithelial cell-transforming gene 1 protein	17.98
1	1361642	1822074	exocyst complex component 4	17.98
1	71808627	71817151	BCL2-like 14 (apoptosis facilitator)	17.82
1	71833436	71943987	low density lipoprotein receptor-related protein 6	17.82
1	71974273	71980456	MANSC domain containing 1 precursor	17.82
1	71983303	72042978	Loss of heterozygosity 12 chromosomal region 1 protein homolog	17.82
1	72046586	72113670	dual specificity phosphatase 16	17.82
1	72156810	72166175	G protein-coupled receptor 19	17.82
1	81373015	81656000	Limbic system-associated membrane protein	18.52
1	81680485	81734254	growth associated protein 43	18.52
1	94474405	94635350	glucan (1,4-alpha-), branching enzyme 1	17.82
1	122962850	123267815	FERM and PDZ domain containing 4	17.82
1	123394258	123418544	male-specific lethal 3 homolog (Drosophila)	17.82
2	20547214	20632812	multidrug resistance protein 1	21.02
2	20656627	20694939	RUN domain-containing protein 3B	21.02
2	20696196	20709565	solute carrier family 25, member 40	21.02
2	20711043	20726377	DBF4 homolog (S. cerevisiae)	21.02
2	20865806	20874342	sorcin	21.02
2	30537280	30564128	Sp4 transcription factor	18.90
2	30690282	30698829	cell division cycle-associated 7-like protein	18.90
2	30757166	30909032	Rap guanine nucleotide exchange factor (GEF) 5	18.90
2	30683539	30683661	U5 spliceosomal RNA	18.90
2	37711497	37756128	ubiquitin-conjugating enzyme E2E 1	17.82

2	37769194	37773772	Ribosomal protein L15	17.82
2	37787391	37809859	nuclear receptor subfamily 1 group D member 2	17.82
2	37844468	37965174	Thyroid hormone receptor beta	17.82
2	37698436	37698610	U1 spliceosomal RNA	17.82
2	134048833	134252747	trichorhinophalangeal syndrome I	21.29
2	134628301	134709262	Eukaryotic translation initiation factor 3 subunit H	21.29
3	9262357	9405997	WD repeat containing planar cell polarity effector	17.98
3	9406399	9417141	Malate dehydrogenase, cytoplasmic	17.98
3	9438436	9460691	UTP--glucose-1-phosphate uridylyltransferase	17.98
3	9462114	9489472	vacuolar protein sorting 54 homolog (<i>S. cerevisiae</i>)	17.98
3	9521292	9539167	protein pellino homolog 1	17.72
3	10359052	10449924	Meis homeobox 1	17.72
3	12844082	12878172	Delta-like protein	17.98
3	12887313	12960238	UPF0492 protein C20orf94 homolog	17.98
3	12961577	12970854	McKusick-Kaufman/Bardet-Biedl syndromes putative chaperonin	17.98
3	12995964	13027937	Synaptosomal-associated protein 25	17.98
3	16172663	16238767	chromogranin B (secretogranin 1)	17.98
3	16255281	16265499	DNA helicase MCM8	17.98
3	16271778	16276722	cardiolipin synthase 1	17.98
3	16360689	16391192	poly	17.98
3	16404585	16432600	protein lin-9 homolog	17.98
3	16453958	16471806	Golgi resident protein GCP60	17.98
3	16482887	16487420	histone H3.2	17.98
3	16515941	16518570	left-right determination factor 2 precursor	17.98
3	16598307	16603854	signal recognition particle 9 kDa protein	17.78
3	74490287	74540828	mitogen-activated protein kinase kinase kinase 7	17.78
3	74768582	74811042	BTB and CNC homology 1, basic leucine zipper transcription factor 2	17.78
3	74853141	74946896	Midasin	17.78
3	74953170	74985332	ankyrin repeat domain 6	17.78
3	74823486	74824862	gap junction protein, alpha 10, 62kDa	17.78
3	76289510	76312354	synaptotagmin binding, cytoplasmic RNA interacting protein	18.02
3	76326433	76373661	sorting nexin-14	18.02
3	76271065	76271131	Small nucleolar RNA SNORD50	18.02
3	76273207	76273277	Small nucleolar RNA SNORD50	18.02
4	4161930	4176418	solute carrier family 9, subfamily A (NHE6, cation proton antiporter 6), member 6	26.70
4	4206227	4209911	four and a half LIM domains 1	26.70
4	4214210	4248185	MAP7 domain containing 3	26.70
4	4280658	4292346	G protein-coupled receptor 112	26.70
4	4301225	4305523	bombesin receptor subtype-3	26.70
4	4345180	4349228	CD40 ligand CD40 ligand, membrane form CD40 ligand, soluble form	26.70
4	4354214	4383568	Rho guanine nucleotide exchange factor 6	26.70
4	4390057	4400409	heterogeneous nuclear ribonucleoprotein G	26.70
4	4398822	4398886	Small nucleolar RNA SNORD61	26.70

4	57404743	57409306	pituitary homeobox 2	21.42
4	57434843	57469617	glutamyl aminopeptidase (aminopeptidase A)	21.42
4	57576632	57597173	Elongation of very long chain fatty acids protein 6	21.42
4	57631764	57683454	pro-epidermal growth factor precursor	21.42
4	57708911	57722892	visual pigment-like receptor peropsin	21.42
4	57731319	57744001	complement factor I	21.42
4	57745870	57751937	phospholipase A2, group XIIA	21.42
4	57754986	57763766	caspase-6	21.42
4	57807176	57923545	PDZ and LIM domain protein 5	17.26
4	82408395	82444435	max dimerization protein 4	17.26
4	82459166	82544586	polymerase (DNA directed) nu	17.26
4	82738354	82761647	negative elongation factor A	17.26
4	82783104	82842064	Wolf-Hirschhorn syndrome candidate 1	26.48
4	89402351	89584157	exocyst complex component 6B	26.48
5	9538613	9582720	LIM domain only 1 (rhombotin 1)	19.31
5	9614317	9626415	resistance to inhibitors of cholinesterase 3 homolog (C. elegans)	19.31
5	9634001	9761468	tubby homolog (mouse)	19.31
5	9768005	9802730	ras-related protein R-Ras2	19.31
5	9834069	9848544	Coatomer subunit beta	19.31
5	9851015	9858153	proteasome subunit alpha type-1	19.31
5	9876942	9951911	cGMP-inhibited 3,5-cyclic phosphodiesterase B	18.02
5	33438355	33483021	sec1 family domain-containing protein 1	18.02
5	33517885	33534657	Cochlin	18.02
5	33543459	33598778	striatin, calmodulin binding protein 3	18.02
5	33616118	33666611	HECT domain containing E3 ubiquitin protein ligase 1	18.02
5	33685490	33736833	HEAT repeat containing 5A	18.02
5	33774090	33856331	nucleotide binding protein-like	18.02
5	34050021	34304671	A kinase (PRKA) anchor protein 6	17.98
5	34375148	34959900	neuronal PAS domain protein 3	17.78
5	44981707	44983006	homeobox protein goosecoid	17.78
5	45092963	45128794	endoribonuclease Dicer	17.78
5	45165017	45184249	calmin (calponin-like, transmembrane)	17.78
5	45270524	45300174	spectrin repeat containing, nuclear envelope family member 3	17.78
5	45330738	45337464	glutaredoxin-related protein 5, mitochondrial	17.78
5	45328658	45328930	Small Cajal body specific RNA 13	17.78
6	3953643	3956579	lung lectin precursor	24.92
6	3961091	3967496	surfactant, pulmonary-associated protein A1 precursor	24.92
6	3981178	3989358	soluble mannose-binding lectin precursor	24.92
6	4283164	4363396	ret proto-oncogene precursor	24.92
6	14667844	14924979	adenosine kinase	26.44
6	14941845	14956153	AP-3 complex subunit mu-1	26.44
6	14961440	14990291	Vinculin	26.44
6	15060198	15068452	urokinase-type plasminogen activator preproprotein	26.44

6	16111040	16115551	zona pellucida sperm-binding protein 4	19.30
6	16273210	16314303	Phosphoinositide 3-kinase adapter protein 1	19.30
6	16318282	16329867	nucleolar and coiled-body phosphoprotein 1	19.30
6	16349917	16354551	ELOVL fatty acid elongase 3	19.30
6	16379333	16476177	golgi brefeldin A resistant guanine nucleotide exchange factor 1	19.30
6	16488268	16493350	nuclear factor NF-kappa-B p100 subunit	19.31
6	24664740	24940362	sortilin-related VPS10 domain containing receptor 1	19.31
6	25264735	25352280	gamma-adducin	19.31
6	30060586	30109050	phosphatidic acid phosphatase type 2 domain containing 1A	19.31
6	30185811	30223053	WD repeat domain 11	19.31
6	30411293	30490016	Fibroblast growth factor receptor 2	19.31
6	30550113	30621520	arginyl-tRNA--protein transferase 1	18.02
6	31636707	31661235	family with sequence similarity 53, member B	18.02
6	31686516	31702105	BRISC complex subunit Abro1	18.02
6	32007895	32012786	testis expressed 36	18.02
6	32058339	32075635	DEAH (Asp-Glu-Ala-His) box polypeptide 32	18.02
7	4312646	4330369	bifunctional purine biosynthesis protein PURH	19.69
7	4333468	4382817	fibronectin precursor	19.69
7	4527554	4590262	NEDD8-conjugating enzyme UBE2F	19.69
7	4591385	4595864	receptor (G protein-coupled) activity modifying protein 1	19.69
7	4611641	4662295	leucine rich repeat (in FLII) interacting protein 1	19.69
7	4722132	4740447	melanophilin	19.69
7	4752831	4805577	collagen alpha-3(VI) chain precursor	19.69
7	11536104	11616253	pleckstrin homology domain containing, family M, member 3	21.24
7	11686741	11704137	cyclic AMP-responsive element-binding protein 1	21.24
7	11766883	11819797	Kruppel-like factor 7 (ubiquitous)	21.24
7	11854607	11868058	carboxypeptidase O	21.24
7	11950838	12015748	disintegrin and metalloproteinase domain-containing protein 23	21.24
7	12072509	12076665	elongation factor 1-beta	21.24
7	12077169	12090936	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	21.24
7	12107101	12129187	INO80 complex subunit D	21.24
7	12074025	12074158	Small nucleolar RNA SNORA41	21.24
7	12074705	12074740	Small nucleolar RNA Z196/R39/R59 family	21.24
7	15219971	15271809	alkylglycerone phosphate synthase	18.46
7	15304546	15320356	nuclear factor erythroid 2-related factor 2	18.46
8	7564281	7592106	smg-7 homolog, nonsense mediated mRNA decay factor (C. elegans)	19.69
8	7604691	7609670	actin-related protein 2/3 complex subunit 5	19.69
8	7641619	7708062	ral guanine nucleotide dissociation stimulator-like 1	19.69
8	7903724	7931488	ER degradation enhancer, mannosidase alpha-like 3	19.69
8	7933908	7992849	protein Niban	19.69
8	7564912	7565074	U1 spliceosomal RNA	19.69
9	15087461	15106244	eukaryotic translation initiation factor 4E family member 2	22.97
9	15246615	15264143	eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82kDa	22.97

9	15281328	15292012	dishevelled, dsh homolog 3 (Drosophila)	22.97
9	15293532	15316234	AP-2 complex subunit mu	22.97
9	15332834	15340129	von Willebrand factor A domain containing 5B2	22.97
9	15340601	15343371	ALG3, alpha-1,3- mannosyltransferase	22.97
9	15356178	15362770	endothelin converting enzyme 2	22.97
9	15363725	15369726	26S proteasome non-ATPase regulatory subunit 2	22.97
9	15371232	15387501	eukaryotic translation initiation factor 4 gamma, 1	22.97
9	15395572	15405268	chloride channel, voltage-sensitive 2	22.97
9	15406844	15413438	chordin precursor	22.97
9	15419502	15421617	thrombopoietin precursor	22.97
9	15437757	15449465	EPH receptor B3	22.97
9	15380309	15380385	Small nucleolar RNA SNORD66	22.97
9	15381519	15381596	Small nucleolar RNA SNORD66	22.97
9	16565596	16587667	fragile X mental retardation syndrome-related protein 1	17.61
9	16663283	16672397	tetratricopeptide repeat protein 14	17.61
9	16760382	16850020	peroxisomal biogenesis factor 5-like	17.61
9	16861502	16902461	Ubiquitin carboxyl-terminal hydrolase 13	17.61
9	16903953	16907474	NADH dehydrogenase	17.61
9	16911951	16921482	actin-like 6A	17.61
9	16984938	17003984	mitofusin-1	17.61
9	16820695	16820798	U6 spliceosomal RNA	17.61
9	20419761	20464371	cholinesterase precursor	17.72
9	20586079	20587887	SLIT and NTRK-like family, member 3	17.72
10	6434758	6619897	disintegrin and metalloproteinase domain-containing protein 10 precursor	22.97
10	6572777	6596733	aquaporin 9	22.97
10	6604818	6661741	Retinal dehydrogenase 2	22.97
10	6816944	6857906	cingulin-like 1	22.97
10	6903270	7058903	transcription factor 12	18.85
10	9545024	9553009	solute carrier family 24, member 5 precursor	18.85
10	9551752	9570906	myelin expression factor 2	18.85
10	9587065	9632792	solute carrier family 12 (sodium/potassium/chloride transporters), member 1	18.85
10	17122370	17146830	proprotein convertase subtilisin/kexin type 6	17.82
10	17199826	17220109	ankyrin repeat and death domain containing 1A	17.83
10	18440729	18553284	dual specificity mitogen-activated protein kinase kinase 5	17.83
10	18595984	18624673	E3 SUMO-protein ligase PIAS1	17.83
10	18632517	18638897	ceroid-lipofuscinosis, neuronal 6, late infantile, variant	17.83
10	18641302	18648029	protein fem-1 homolog B	17.83
10	18699925	18729841	coronin, actin binding protein, 2B	17.83
10	18770495	18779187	NADPH oxidase 5	17.83
10	18807760	18817356	glucuronic acid epimerase	17.83
10	18823404	18826891	progesterin and adipoQ receptor family member V	17.83
10	18828578	18846365	kinesin-like protein KIF23	17.83
11	983068	995051	E2F transcription factor 4; Uncharacterized protein	21.24

11	995632	1005522	engulfment and cell motility 3	21.24
11	1011955	1025358	KIAA0895-like	21.24
11	1029318	1036713	lecithin-cholesterol acyltransferase	21.24
11	1073882	1097277	family with sequence similarity 65, member A	21.24
11	1102641	1128402	transcriptional repressor CTCF	21.24
11	1130092	1147360	RGD motif, leucine rich repeats, tropomodulin domain and proline-rich containing	21.24
11	1165618	1177771	alanyl-tRNA synthetase, cytoplasmic	21.24
11	1189504	1194020	fibulin 7	21.24
11	1213866	1215689	tubulin polymerization-promoting protein family member 3	21.24
11	1223848	1237337	potassium channel tetramerisation domain containing 19	21.24
11	1240508	1302916	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	21.24
11	1336785	1351404	FH1/FH2 domain-containing protein 1	21.24
11	1389699	1391495	agouti-related protein precursor	21.24
11	1398993	1402340	N-lysine methyltransferase SETD6	21.24
11	1405351	1453089	CCR4-NOT transcription complex, subunit 1	21.24
11	1424514	1424649	Small nucleolar RNA SNORA46	21.24
11	1432730	1432863	Small nucleolar RNA SNORA76	21.24
11	7596758	7603866	Cytochrome b-c1 complex subunit Rieske, mitochondrial	17.72
11	7841312	7844172	processing of precursor 4	17.72
11	7933476	7946064	G1/S-specific cyclin-E1	17.72
11	7961122	8028603	URI1, prefoldin-like chaperone	17.72
13	2010626	2012530	leucine rich repeat transmembrane neuronal 2	30.29
13	2134785	2156387	stress-70 protein, mitochondrial precursor	30.29
13	2146299	2146368	Small nucleolar RNA SNORD63	30.29
14	5075181	5086183	DNA topoisomerase 3-alpha	19.43
14	5112713	5127320	phosphoribosyl pyrophosphate synthase-associated protein 2	19.43
14	5129153	5157900	solute carrier family 5 (sodium/glucose cotransporter), member 10	19.43
14	5138381	5150303	family with sequence similarity 83, member G	19.43
14	5223282	5225616	B9 protein domain 1	19.43
14	5230050	5338554	Voltage-dependent T-type calcium channel subunit alpha-1H	19.43
14	9934515	9974931	ubiquitin carboxyl-terminal hydrolase 7	22.75
14	10046044	10052775	phosphomannomutase 2	22.75
14	10103934	10114456	methyltransferase-like protein 22	22.75
17	4788861	4790491	ovoglycoprotein precursor	17.26
17	4820725	4824113	nuclear apoptosis inducing factor 1	17.26
17	4829664	4860591	early estrogen-induced gene 1 protein	17.26
17	4865441	4867919	dolichol phosphate-mannose biosynthesis regulatory protein	17.26
17	4870177	4871635	alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1	17.26
17	4872095	4874530	ST6 -N-acetylgalactosaminide alpha-2,6-sialyltransferase 6	17.26
17	4877410	4880796	Adenylate kinase isoenzyme 1	17.26
17	4882932	4891674	endoglin precursor	17.26
17	4892549	4896134	folylpolyglutamate synthase	17.26
17	4896492	4902733	Cyclin-dependent kinase 9	17.26

17	4903795	4923543	SH2 domain containing 3C	17.26
17	4929079	4931968	tetratricopeptide repeat domain 16	17.26
17	4933496	4946785	cerebral endothelial cell adhesion molecule	17.26
17	4949346	4967354	Ubiquitin-related modifier 1 homolog	17.26
17	4983785	4987536	coenzyme Q4 homolog (<i>S. cerevisiae</i>)	17.26
17	5016759	5075578	dynamamin 1	17.82
18	2020996	2066954	Netrin-1	17.82
18	2070106	2146328	syntaxin-8	17.82
18	2180734	2183708	ubiquitin specific peptidase 43	17.82
18	2188691	2205886	Rho GTPase activating protein 44	17.82
18	2223389	2230202	uncharacterized protein LOC417324	17.82
19	7951502	7972199	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1D	19.69
19	7979200	7997166	amyloid protein-binding protein 2	19.69
19	8096015	8104574	carbonic anhydrase IV	19.69
19	8148378	8165006	Gametogenetin-binding protein 2	19.69
19	8166412	8187734	Dehydrogenase/reductase SDR family member 11	19.69
21	3252441	3261217	G protein-coupled receptor 157	19.69
21	3470173	3492933	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta isoform	19.69
21	3493075	3527740	calsyntenin-1 precursor	19.69
21	3573056	3581801	Protein LZIC	19.69
21	3581913	3588648	nicotinamide nucleotide adenyltransferase 1	19.69
21	3590985	3592942	retinol binding protein 7, cellular	19.69
21	3595756	3630094	ubiquitination factor E4B	19.69
21	3639974	3713856	kinesin family member 1B	19.69
21	3719439	3729173	6-phosphogluconate dehydrogenase, decarboxylating	19.69
21	3730260	3733060	Centromere protein S	19.69
21	3705900	3706069	TUC338	19.69
22	1256816	1265197	Charged multivesicular body protein 7	19.43
22	1270094	1276295	tumor necrosis factor receptor superfamily member 10B precursor	19.43
22	1343627	1375329	exportin-7	19.43
22	1376680	1381157	docking protein 2, 56kDa	19.43
22	1397665	1418597	GDNF family receptor alpha-2 precursor	19.43
22	1597651	1602693	TELO2 interacting protein 2	19.43
23	4570631	4804042	CUB and Sushi multiple domains 2	17.82
23	4824370	4834663	collagen, type IX, alpha 2	17.82
23	4835192	4847417	small ArfGAP2	17.82
23	4901524	4907272	potassium voltage-gated channel, KQT-like subfamily, member 4	17.82
23	4910836	4916448	tubulointerstitial nephritis antigen-like 1	17.82
23	4918792	4920966	penta-EF-hand domain containing 1	17.82
23	4921631	4939423	collagen, type XVI, alpha 1	17.82
23	4943828	4960852	brain-specific angiogenesis inhibitor 2	17.82
24	2427011	2464846	immunoglobulin superfamily, member 9B	19.60
24	2516848	2542717	non-SMC condensin II complex, subunit D3	19.60

24	2553386	2558481	Thymocyte nuclear protein 1	19.60
24	2845500	2863118	potassium-transporting ATPase alpha chain 2	19.60
24	2902288	3002638	GRAM domain containing 1B	22.75
24	4392700	4566947	ubiquitin conjugation factor E4 A	22.75
24	4557911	4561306	RNA-binding protein 7	22.75
24	4664469	4732605	cell adhesion molecule 1	22.75
26	2504099	2506388	Interleukin-10	17.01
26	2517673	2519712	interleukin 19	17.01
26	2520032	2531914	polymeric immunoglobulin receptor precursor	17.01
26	2556703	2560172	ubiquitin thioesterase OTU1	17.01
26	2576519	2583374	C4b-binding protein alpha chain precursor	17.01
26	2599568	2605277	complement component (3b/4b) receptor 1-like precursor	17.01
26	2627129	2639856	complement component 4 binding protein, alpha chain precursor	17.01
28	271548	395862	Fibrillin-3; Uncharacterized protein	17.61
28	509129	534490	heterogeneous nuclear ribonucleoprotein M	17.61
28	558963	564318	U6 snRNA-associated Sm-like protein LSM7	17.61
28	564384	599425	signal peptide peptidase-like 2B precursor	17.61
28	627972	628532	translocase of inner mitochondrial membrane 13 homolog (yeast)	17.61
28	636058	661825	lamin-B2	17.61
28	676818	677614	60S ribosomal protein L36	17.61
28	678763	694768	lon peptidase 1, mitochondrial	17.61
28	701484	724473	solute carrier family 1 (high affinity aspartate/glutamate transporter), member 6	19.43
28	3410986	3425610	solute carrier family 25, member 42	19.43
28	3470619	3483167	homer homolog 3 (Drosophila)	19.43
28	3489321	3495011	probable ATP-dependent RNA helicase DDX49	19.43
28	3495159	3499962	Coatmer subunit epsilon	19.43
28	3514060	3516165	growth differentiation factor 3	19.43
28	3517866	3537861	UPF1 regulator of nonsense transcripts homolog (yeast)	19.43
28	3651445	3653912	cytokine receptor-like factor 1	19.43
28	3657472	3659967	KxDL motif containing 1	19.43
28	3666228	3700318	RNA polymerase II elongation factor ELL	19.43
28	3728960	3735148	LSM4 homolog, U6 small nuclear RNA associated (<i>S. cerevisiae</i>)	19.43
28	3748373	3753211	phosphodiesterase 4C, cAMP-specific	19.43
28	3758472	3759385	MPV17 mitochondrial membrane protein-like 2	19.43
28	3759501	3762347	Interferon-gamma-inducible lysosomal thiol reductase	19.43
28	3782857	3800231	microtubule associated serine/threonine kinase 3	19.43
28	3800995	3805633	interleukin 12 receptor, beta 1	19.43
28	3810197	3816386	arrestin domain containing 2	19.43
28	3820870	3825356	peroxisomal membrane protein 11C	19.43
28	3878507	3912897	Tyrosine-protein kinase receptor	19.43