

Supplementary Table 1. Data of the included patients.													
Medication history						Receptor status							
Patient code	Specimen source	Age	Sex	Clinical stage	Neoadjuvant therapy	Adjuvant therapy	ER	PR	HER2	Ki67	Histological subtype	Histological grade	Note (ID)
BC1	breast	36	female	T2N1M0	/	Cyclophosphamide + Epirubicin (Farmasin 135mg, Andosan 0.9g)	-	-	+++	+	invasive ductal carcinoma	III	ZA266524
BC2	breast	41	female	T2N1M1	/	Nored endocrine therapy	-	-	+++	+	invasive ductal carcinoma	II	821378
BC3	breast	61	female	T2N0M0	/	Cyclophosphamide + Epirubicin (Farmasin 135mg, Andosan 0.98g)	+	+	+	+	invasive ductal carcinoma	II	996724
BC4	breast	80	female	T2N0M0	/	endocrinotherapy	-	-	+	+	uctal carcinoma, left mam	II	ZA4125700
BC5	breast	82	female	T2N0M0	/	/	++	-	-	+	invasive ductal carcinoma	II	ZA4381792
BC6	breast	68	female	T1N0M0	/	yclophosphamide + Paclitaxel liposome (Paexin 1.2g, Liprosol 280mğ	++	-	-	+	invasive ductal carcinoma	II	ZA0608472
BC7	breast	81	female	T3N1M0	/	/	+	-	-	+	invasive ductal carcinoma	III	34446371
BC8	breast	60	female	T2N1M0	/	Lipak 280mg+ Andosen 0.95g+ Herceptin 0.39g	-	-	+++	+	invasive ductal carcinoma	II	1176367

Legend: Clinicopathological information on age, sex, clinical stage, neoadjuvant therapy, adjuvant therapy, ER, PR, HER2, Ki67, histological subtype and histological grade of each included patient..

Supplementary Table 2. Differential m6A sites in the two groups.

peak	log2FC	p_value	q_value	fold_enrichment	fe.p	fe.fdr	chr	chromStart	chromEnd	name	score	strand	thickStart	thickEnd	blockSizes
peak7	5.36	0.004365158	0.023988329	4.15	0.000186209	0.000758578	chr1	788836	788937	NR_047524.1	0.00019	+	788836	788937	101,
peak10	5.42	0.000645654	0.006025596	4.23	1.54882E-06	1.04713E-05	chr1	788835	788986	NR_047525.1	0.0000015	+	788835	788986	151,
peak71	1.25	0.00011749	0.001737801	8.43	1.58489E-05	8.12831E-05	chr1	10364319	10364519	NM_001365953.1	0.000016	+	10364319	10364519	200,
peak107	1.13	0.004073803	0.022387211	18.3	1.25893E-11	4.0738E-10	chr1	14108058	14142997	NM_012231.4	1.3E-11	+	14108058	14142997	1268,76,
peak114	2.62	0.000269153	0.003162278	54.8	0.000169824	0.000691831	chr1	15894588	15894738	NM_001287811.1	0.00017	+	15894588	15894738	150,
peak115	2.64	0.000251189	0.003019952	54.8	0.000162181	0.000676083	chr1	15894587	15894738	NM_015291.4	0.00016	+	15894587	15894738	151,
peak121	1.28	1.41254E-07	9.33254E-06	47.4	3.38844E-10	7.76247E-09	chr1	15986766	15987814	NM_032341.5	3.4E-10	+	15986766	15987814	1048,
peak138	2.16	5.12861E-07	2.81838E-05	11.3	2.75423E-05	0.000134896	chr1	16265901	16266502	NM_015001.3	0.000028	+	16265901	16266502	601,
peak436	2.9	7.24436E-06	0.000229087	4.54	7.58578E-07	5.62341E-06	chr1	26448414	26448614	NM_001243532.1	0.00000076	+	26448414	26448614	200,
peak437	2.84	5.88844E-05	0.001071519	4.17	7.58578E-07	3.0903E-05	chr1	26448712	26449110	NM_001243532.1	0.00000076	+	26448712	26449110	398,
peak438	1.29	5.49541E-05	0.001023293	4.46	2.29087E-08	2.75423E-07	chr1	26448385	26448633	NM_001243533.2	0.000000023	+	26448385	26448633	248,
peak439	3.44	0.000758578	0.00676083	4.71	2.29087E-08	1.62181E-06	chr1	26448731	26449078	NM_001243533.2	0.000000023	+	26448731	26449078	347,
peak441	3.47	0.000645654	0.006025596	4.71	3.54813E-08	2.34423E-06	chr1	26448726	26449073	NM_152835.5	0.000000035	+	26448726	26449073	347,
peak449	2.46	0.002290868	0.014791084	3.2	2.51189E-05	0.000123027	chr1	26900667	26901167	NM_002953.4	0.000025	+	26900667	26901167	500,
peak452	2.89	0.00025704	0.003019952	3.1	0.000134896	0.000562341	chr1	26900674	26901120	NM_001006665.2	0.00013	+	26900674	26901120	446,
peak467	3.44	0.000776247	0.00691831	4.78	0.000165959	0.000691831	chr1	28817521	28823078	NM_001048183.3	0.00017	+	28817521	28823078	3,138,77,33,
peak471	6.14	4.7863E-05	0.000933254	4.67	5.62341E-05	0.00025704	chr1	28818175	28819553	NM_001350158.2	0.000056	+	28818175	28819553	124,27,
peak475	6.14	4.7863E-05	0.000933254	4.67	6.16595E-05	0.000275423	chr1	28818175	28819552	NM_001350159.2	0.000062	+	28818175	28819552	124,26,
peak479	3.44	0.000776247	0.00691831	4.78	0.000147911	0.000616595	chr1	28817521	28823078	NM_001350160.2	0.00015	+	28817521	28823078	3,138,77,33,
peak483	6.16	2.45471E-05	0.00057544	4.67	8.51138E-05	0.000371535	chr1	28818173	28819550	NM_001350161.2	0.000085	+	28818173	28819550	126,24,
peak487	3.79	0.001071519	0.008709636	5.38	9.77237E-05	0.00042658	chr1	28818164	28823083	NM_023923.4	0.000098	+	28818164	28823083	135,77,38,
peak491	2.9	0.001698244	0.012022644	2.58	4.36516E-05	0.000204174	chr1	28864432	28864531	NR_030726.2	0.000044	+	28864432	28864531	99,
peak493	2.99	0.000346737	0.003801894	2.92	4.0738E-05	0.000190546	chr1	28864436	28864584	NM_001048195.3	0.000041	+	28864436	28864584	148,
peak495	3.03	0.002951209	0.017782794	2.92	0.000134896	0.000562341	chr1	28864437	28864536	NM_001269.5	0.00013	+	28864437	28864536	99,
peak514	4.76	0.003388442	0.019498446	8.5	0.00020893	0.000851138	chr1	31821771	31836974	NM_001282566.1	0.00021	+	31821771	31836974	50,96,
peak587	3.43	0.000331131	0.003715352	14.2	0.00020893	0.000851138	chr1	39853592	39853843	NM_012090.5	0.00021	+	39853592	39853843	251,
peak595	1.9	0.000489779	0.004897788	4.36	0.004786301	0.016218101	chr1	39876932	39877082	NM_015038.2	0.0048	+	39876932	39877082	150,
peak598	3.62	3.54813E-05	0.000758578	9.29	0.00060256	0.002238721	chr1	40705495	40705646	NM_012421.4	0.0006	+	40705495	40705646	151,
peak612	4.05	0.001949845	0.013182567	3.31	0.000794328	0.002951209	chr1	42925577	42925823	NM_001287507.1	0.00079	+	42925577	42925823	246,
peak614	4.05	0.000933254	0.007943282	3.31	4.16869E-05	0.000194984	chr1	42925576	42925822	NM_001287508.1	0.000042	+	42925576	42925822	246,
peak617	4.28	0.000263027	0.003090295	3.31	2.95121E-05	0.000141254	chr1	42925575	42925822	NM_024664.4	0.00003	+	42925575	42925822	247,
peak619	2.46	0.002398833	0.015488166	10.5	0.000954993	0.003467369	chr1	43916121	43916422	NM_001365999.1	0.00095	+	43916121	43916422	301,
peak655	2.18	4.57088E-05	0.000891251	9.29	2.69153E-06	1.69824E-05	chr1	55207431	55207781	NR_037639.2	0.0000027	+	55207431	55207781	350,
peak657	2.32	0.000218776	0.002754229	9.29	1.31826E-09	2.45471E-08	chr1	55207432	55207732	NR_037641.2	1.3E-09	+	55207432	55207732	300,
peak658	2.14	0.000102329	0.001584893	9.71	0.000354813	0.001380384	chr1	55207430	55207781	NM_001291333.1	0.00035	+	55207430	55207781	351,
peak659	1.85	0.00074131	0.00676083	11.1	0.001122018	0.004073803	chr1	55207446	55207741	NM_004623.5	0.0011	+	55207446	55207741	295,
peak682	2.99	0.002187762	0.014454398	4.82	2.88403E-05	0.000141254	chr1	67423790	67424570	NM_001146111.1	0.000029	+	67423790	67424570	113,37,
peak684	4.12	0.000194984	0.002511886	5.4	1.94984E-05	9.77237E-05	chr1	67423785	67424664	NM_001077702.3	0.000019	+	67423785	67424664	118,131,
peak689	4.63	0.000120226	0.001737801	5.3	6.0256E-06	3.46737E-05	chr1	67423827	67424608	NM_001146112.2	0.000006	+	67423827	67424608	76,75,
peak692	3.35	5.12861E-05	0.000977237	5.38	4.67735E-06	2.75423E-05	chr1	67423848	67424579	NM_001350530.2	0.0000047	+	67423848	67424579	55,46,
peak696	4.63	0.000120226	0.001737801	5.3	6.45654E-06	3.71535E-05	chr1	67423824	67424605	NM_001077701.3	0.0000065	+	67423824	67424605	79,72,
peak715	1.5	7.24436E-07	3.71535E-05	14.4	0.000109648	0.000467735	chr1	77528792	77529142	NM_001320273.2	0.00011	+	77528792	77529142	350,
peak835	4.6	1.07152E-05	0.00030903	5.83	0.00144544	0.022387211	chr1	93602347	93602546	NM_007358.4	0.0014	+	93602347	93602546	199,
peak866	5.75	0.000660693	0.00616595	2.12	6.0256E-06	3.46737E-05	chr1	112999164	112999364	NM_018704.3	0.000006	+	112999164	112999364	200,
peak869	2.97	5.7544E-05	0.001047129	25.2	0.001949845	0.00676083	chr1	114184745	114184895	NM_001142782.2	0.0019	+	114184745	114184895	150,
peak889	2.13	0.000194984	0.002511886	4.29	0.000141254	0.002754229	chr1	116234169	116234419	NM_001172411.2	0.00014	+	116234169	116234419	250,
peak893	2.13	0.000371535	0.004073803	5.14	4.57088E-05	0.001023293	chr1	116234164	116234414	NM_138959.3	0.000046	+	116234164	116234414	250,
peak898	2.19	0.000239883	0.002884032	4	5.49541E-05	0.001202264	chr1	116234156	116234407	NM_001172412.1	0.000055	+	116234156	116234407	251,
peak900	2.21	0.001047129	0.008709636	4.17	3.01995E-05	0.000724436	chr1	117617634	117617835	NM_003594.4	0.00003	+	117617634	117617835	201,
peak928	1.22	0.002570396	0.016218101	15.5	0.001659587	0.005888437	chr1	154321589	154321739	NM_001370597.1	0.0017	+	154321589	154321739	150,
peak968	2.29	0.001258925	0.009773272	23.2	5.01187E-13	2.51189E-11	chr1	161882118	161928681	NM_007348.4	5E-13	+	161882118	161928681	52,446,
peak1000	1.63	0.004677351	0.024547089	4.51	7.94328E-05	0.000346737	chr1	167757126	167757326	NM_024569.5	0.000079	+	167757126	167757326	200,
peak1008	1.32	8.12831E-06	0.000245471	13.9	4.67735E-08	5.12861E-07	chr1	170705194	170705591	NM_022716.4	0.000000047	+	170705194	170705591	397,
peak1032	2.46	0.000218776	0.002754229	80.8	2.0893E-07	1.8197E-06	chr1	173855002	173855403	NM_001346115.2	0.00000021	+	173855002	173855403	401,
peak1033	2.54	0.00017378	0.002290868	88.3	1.23027E-07	1.1749E-06	chr1	173855000	173855400	NM_001369846.1	0.00000012	+	173855000	173855400	400,

peak1034	2.54	0.000177828	0.002344229	88.5	2.95121E-07	2.45471E-06	chr1	173855001	173855401	NM_001122770.3	0.0000003	+	173855001	173855401	400,
peak1035	2.3	4.7863E-05	0.000933254	83.7	1.8197E-07	1.62181E-06	chr1	173854962	173855462	NM_032522.5	0.00000018	+	173854962	173855462	500,
peak1081	1.85	0.003630781	0.020417379	20.9	8.31764E-09	1.1749E-07	chr1	180080269	180080569	NM_014810.5	8.3E-09	+	180080269	180080569	300,
peak1170	3.88	3.63078E-05	0.000758578	2.6	3.63078E-05	0.00017378	chr1	201847038	201847138	NM_018085.5	0.000036	+	201847038	201847138	100,
peak1171	3.32	6.91831E-06	0.000218776	5.8	3.63078E-05	0.000851138	chr1	201847637	201847637	NM_018085.5	0.000036	+	201847436	201847637	201,
peak1178	3.61	7.76247E-10	7.24436E-08	7.1	2.51189E-05	0.000123027	chr1	203708724	203709173	NM_001001396.2	0.000025	+	203708724	203709173	449,
peak1235	1.18	0.000676083	0.006309573	31.2	1.23027E-06	8.51138E-06	chr1	204518437	204518787	NM_001278519.1	0.0000012	+	204518437	204518787	350,
peak1240	2.74	0.003715352	0.020892961	2.5	0.000204174	0.003890451	chr1	210024624	210024725	NM_014388.7	0.0002	+	210024624	210024725	101,
peak1300	1.29	0.002187762	0.014454398	8	0.00030903	0.001230269	chr1	222817694	222819010	NM_001300867.1	0.00031	+	222817694	222819010	234,115,
peak1305	1.37	0.001148154	0.009120108	6.75	0.000851138	0.003090295	chr1	222817694	222819012	NM_001324065.1	0.00085	+	222817694	222819012	234,117,
peak1329	3.54	0.00011749	0.001737801	4.5	5.24807E-05	0.001174898	chr1	227842139	227842289	NM_001367911.1	0.000052	+	227842139	227842289	150,
peak1352	2.47	1.07152E-05	0.000301995	5.25	0.001047129	0.003801894	chr1	228547852	228548801	NM_052843.4	0.001	+	228547852	228548801	949,
peak1363	4.19	8.12831E-05	0.001348963	7.44	4.0738E-09	6.30957E-08	chr1	229772467	229772567	NM_014777.4	4.1E-09	+	229772467	229772567	100,
peak1365	3.64	0.000138038	0.001949845	11.4	2.95121E-06	1.86209E-05	chr1	229773756	229779289	NM_014777.4	0.000003	+	229773756	229779289	238,10,
peak1374	2.34	0.001047129	0.00851138	7.3	0.007079458	0.023442288	chr1	231829921	231830021	NM_001164554.2	0.0071	+	231829921	231830021	100,
peak1376	1.92	0.002398833	0.015488166	6.67	0.00128825	0.004570882	chr1	231829918	231830067	NM_001164550.2	0.0013	+	231829918	231830067	149,
peak1377	1.92	0.002398833	0.015488166	6.67	0.001348963	0.004897788	chr1	231829918	231830067	NM_001164552.2	0.0013	+	231829918	231830067	149,
peak1404	1.25	0.004786301	0.025118864	9.6	8.12831E-07	5.88844E-06	chr1	246754909	246784796	NM_001139459.1	0.00000081	+	246754909	246784796	334,66,
peak1424	2.43	0.001122018	0.008912509	23.7	0.008709636	0.028840315	chr1	1365734	1365884	NR_125996.1	0.0087	-	1365734	1365884	150,
peak1502	3.51	7.4131E-06	0.000234423	2.5	0.000234423	0.000933254	chr1	19234908	19235109	NM_001136265.2	0.00023	-	19234908	19235109	201,
peak1525	2.51	0.001348963	0.01023293	22.4	6.30957E-05	0.000281838	chr1	21231463	21268481	NM_001198802.2	0.000063	-	21231463	21268481	1,498,
peak1531	3.35	0.002884032	0.017782794	1.92	0.003801894	0.012882496	chr1	21545583	21545683	NM_001113349.2	0.0038	-	21545583	21545683	100,
peak1536	1.03	0.00057544	0.005495409	14.5	3.54813E-05	0.000165959	chr1	23414302	23414801	NM_001142546.1	0.000035	-	23414302	23414801	499,
peak1540	1.17	5.88844E-05	0.001071519	12.5	2.95121E-05	0.000141254	chr1	23414312	23414811	NM_033631.4	0.00003	-	23414312	23414811	499,
peak1574	1.22	0.001096478	0.008912509	3.62	2.69153E-08	3.23594E-07	chr1	27212584	27216377	NM_018066.4	0.000000027	-	27212584	27216377	40,157,201,
peak1595	1.9	0.003630781	0.020417379	2.01	1.69824E-06	1.14815E-05	chr1	33478861	33478961	NR_134976.2	0.0000017	-	33478861	33478961	100,
peak1598	2.19	0.004786301	0.025118864	2.62	2.13796E-06	1.41254E-05	chr1	33478858	33478958	NM_001319140.1	0.0000021	-	33478858	33478958	100,
peak1612	1.45	0.000489779	0.004897788	3.64	0.000891251	0.003311311	chr1	36602652	36602798	NM_001270895.1	0.00089	-	36602652	36602798	146,
peak1625	3.41	0.004570882	0.024547089	7	3.71535E-05	0.000851138	chr1	40091293	40091791	NM_014571.4	0.000037	-	40091293	40091791	498,
peak1654	2.45	0.002089296	0.014125375	3.08	0.001047129	0.003801894	chr1	52520804	52520953	NR_046406.1	0.001	-	52520804	52520953	149,
peak1673	1.5	0.004265795	0.023442288	2.57	3.98107E-13	2.51189E-11	chr1	67878772	67878923	NM_001018067.2	4E-13	-	67878772	67878923	151,
peak1675	1.55	0.001318257	0.01	2.69	3.98107E-13	2.51189E-11	chr1	67878758	67878908	NM_001018068.2	4E-13	-	67878758	67878908	150,
peak1679	1.6	0.001023293	0.008317638	2.69	1E-13	6.30957E-12	chr1	67878762	67878912	NM_015640.4	1E-13	-	67878762	67878912	150,
peak1686	1.46	0.003090295	0.018620871	8.86	1.69824E-07	1.54882E-06	chr1	78097576	78098074	NM_015534.6	0.00000017	-	78097576	78098074	498,
peak1702	3.72	0.000831764	0.00724436	17.2	0.000107152	0.000467735	chr1	86816955	86817305	NM_001366783.1	0.00011	-	86816955	86817305	350,
peak1706	3.88	0.001479108	0.010964782	16.4	7.94328E-05	0.000346737	chr1	86816949	86817299	NM_020729.3	0.000079	-	86816949	86817299	350,
peak1766	2.51	0.000660693	0.00616595	14.5	1.20226E-07	1.12202E-06	chr1	113459967	113460366	NM_001166496.1	0.00000012	-	113459967	113460366	399,
peak1768	2.57	0.001698244	0.012302688	11.5	1.31826E-07	1.23027E-06	chr1	113459905	113460202	NM_003051.3	0.00000013	-	113459905	113460202	297,
peak1784	3.8	0.002187762	0.014454398	4.44	0.000112202	0.00047863	chr1	117142692	117142942	NM_001007237.3	0.00011	-	117142692	117142942	250,
peak1939	2.92	0.000239883	0.002884032	3.19	7.07946E-06	3.98107E-05	chr1	160187194	160187344	NM_015726.4	0.00000071	-	160187194	160187344	150,
peak1968	2.28	0.00011749	0.001737801	3.5	0.000512861	0.001949845	chr1	161019011	161019299	NM_001287602.2	0.00051	-	161019011	161019299	113,86,
peak1974	3.46	0.000933254	0.007943282	3	0.000190546	0.000776247	chr1	161021157	161021505	NM_181720.3	0.00019	-	161021157	161021505	348,
peak2051	3.24	4.7863E-07	2.63027E-05	7.78	4.36516E-06	2.63027E-05	chr1	179076981	179077580	NM_001168236.2	0.0000044	-	179076981	179077580	599,
peak2095	1.07	0.003162278	0.018620871	23	1E-10	2.5704E-09	chr1	179834536	179834886	NM_022347.5	1E-10	-	179834536	179834886	350,
peak2102	4.22	0.001258925	0.009772372	2.48	1.51356E-06	1.02329E-05	chr1	186303520	186304255	NM_003292.3	0.0000015	-	186303520	186304255	145,56,
peak2129	1.03	0.000524807	0.005128614	5.5	1.04713E-05	5.62341E-05	chr1	197168576	197168926	NR_135153.1	0.00001	-	197168576	197168926	350,
peak2138	1.33	0.003715352	0.020892961	32.7	6.30957E-12	2.29087E-10	chr1	204379451	204380746	NM_032833.4	6.3E-12	-	204379451	204380746	1295,
peak2140	5.47	1.07152E-05	0.00030903	4.4	0.003235937	0.046773514	chr1	204586842	204586991	NM_201630.2	0.0032	-	204586842	204586991	149,
peak2178	1.34	0.00011749	0.001737801	6.5	4.0738E-05	0.000190546	chr1	212115238	212115439	NM_001199811.1	0.000041	-	212115238	212115439	201,
peak2179	1.2	0.000346737	0.003801894	6.17	2.18776E-07	1.90546E-06	chr1	212115232	212115432	NM_001199812.1	0.00000022	-	212115232	212115432	200,
peak2180	1.2	0.000301995	0.003388442	6.17	8.91251E-05	0.000389045	chr1	212115230	212115430	NR_037667.1	0.000089	-	212115230	212115430	200,
peak2181	1.23	0.000281838	0.003311311	6.7	5.01187E-05	0.000229087	chr1	212115237	212115437	NM_015434.4	0.00005	-	212115237	212115437	200,
peak2182	3.18	0.000114815	0.001698244	16.5	0.000562341	0.002137962	chr1	212911743	212911944	NM_001042549.2	0.00056	-	212911743	212911944	201,
peak2183	3.14	0.000338844	0.003801894	16.5	8.51138E-05	0.000371535	chr1	212911785	212911936	NM_001297736.2	0.000085	-	212911785	212911936	151,
peak2184	3.38	0.000389045	0.004168694	16.5	0.000363078	0.001412538	chr1	212911790	212911941	NM_001297737.2	0.00036	-	212911790	212911941	151,
peak2185	3.21	0.000223872	0.002754229	16.9	2.0893E-10	5.12861E-09	chr1	212911760	212911961	NM_015471.4	2.1E-10	-	212911760	212911961	201,
peak2188	4.48	0.000186209	0.002454709	57.5	3.80189E-08	4.2658E-07	chr1	217604503	217622635	NM_018040.5	0.000000038	-	217604503	217622635	204,45,

peak2192	1.68	0.00144544	0.010715193	8.24	1E-13	7.94328E-12	chr1	222843089	222849500	NM_022831.4	1E-13	-	222843089	222849500	242,118,123,63,
peak2266	2.28	8.12831E-06	0.000251189	8	0.000645654	0.002398833	chr1	235377241	235383690	NR_135074.2	0.00065	-	235377241	235383690	100,176,74,
peak2270	3.64	4.67735E-06	0.000162181	17.5	0.001148154	0.004168694	chr1	235973337	235973637	NM_001301365.1	0.0011	-	235973337	235973637	300,
peak2273	2	0.004570882	0.024547089	3.67	0.000616595	0.01023293	chr1	235972482	235972682	NM_000081.4	0.00062	-	235972482	235972682	200,
peak2274	3.61	2.23872E-05	0.000537032	12.3	0.000616595	0.002290868	chr1	235973329	235973580	NM_000081.4	0.00062	-	235973329	235973580	251,
peak2290	1.85	0.000104713	0.001584893	17.7	0.003467369	0.011748976	chr1	247014384	247014534	NM_015446.5	0.0035	-	247014384	247014534	150,
peak2294	1.31	0.003235937	0.019054607	5.8	0.000141254	0.002754229	chr1	247263902	247264149	NM_001142572.1	0.00014	-	247263902	247264149	247,
peak2296	1.31	0.003235937	0.019054607	5.8	2.51189E-05	0.000616595	chr1	247264396	247264155	NM_024804.2	0.000025	-	247263906	247264155	249,
peak2402	1.08	0.002818383	0.017378008	2.44	4.46684E-05	0.00020893	chr2	54853331	54856125	NM_003128.3	0.000045	+	54853331	54856125	40,154,56,
peak2420	3.66	6.91831E-05	0.001202264	5.29	3.98107E-11	1.23027E-09	chr2	58366953	58386510	NM_001288838.1	4E-11	+	58366953	58386510	14,159,49,27,
peak2439	2.29	0.003235937	0.019054607	4.5	6.0256E-06	0.000177828	chr2	64779261	64779510	NM_203437.3	0.000006	+	64779261	64779510	249,
peak2441	1.04	0.000169824	0.002238721	3.77	6.0256E-06	3.46737E-05	chr2	64780402	64794804	NM_203437.3	0.000006	+	64780402	64794804	141,109,
peak2444	2.86	0.000645654	0.006025596	1.86	1.34896E-06	5.12861E-05	chr2	64778638	64778738	NM_001002243.3	0.0000013	+	64778638	64778738	100,
peak2446	2.61	0.001348963	0.01023293	5.5	1.34896E-06	5.12861E-05	chr2	64779232	64779481	NM_001002243.3	0.0000013	+	64779232	64779481	249,
peak2448	5.5	1.51356E-05	0.000398107	6.25	1.34896E-06	5.12861E-05	chr2	64779876	64780026	NM_001002243.3	0.0000013	+	64779876	64780026	150,
peak2449	1.45	2.75423E-05	0.000630957	3.38	1.34896E-06	9.33254E-06	chr2	64780372	64794822	NM_001002243.3	0.0000013	+	64780372	64794822	171,127,
peak2453	2.53	0.001230269	0.009549926	5.5	0.000323594	0.005754399	chr2	64779233	64779482	NM_017657.5	0.00032	+	64779233	64779482	249,
peak2455	5.52	1.7378E-05	0.000446684	6.25	0.000323594	0.005754399	chr2	64779878	64780027	NM_017657.5	0.00032	+	64779878	64780027	149,
peak2469	1.47	0.003801894	0.021379621	19.1	3.23594E-07	2.69153E-06	chr2	68401875	68402075	NM_020143.4	0.00000032	+	68401875	68402075	200,
peak2485	1.61	0.000457088	0.004677351	5.8	0.000891251	0.003311311	chr2	71360152	71360694	NM_005791.3	0.00089	+	71360152	71360694	542,
peak2504	2.87	0.00030903	0.003548134	13.4	0.01	0.032359366	chr2	73799672	73800022	NM_015120.4	0.01	+	73799672	73800022	350,
peak2505	1.49	0.001023293	0.008317638	16.2	0.01	0.032359366	chr2	73800121	73800371	NM_015120.4	0.01	+	73800121	73800371	250,
peak2526	1.92	0.000107152	0.00162181	8.11	3.98107E-05	0.000186209	chr2	74783581	74784030	NM_001318868.1	0.00004	+	74783581	74784030	449,
peak2527	1.94	9.12011E-05	0.00144544	9.55	0.000123027	0.000524807	chr2	74783584	74784032	NM_001318869.1	0.00012	+	74783584	74784032	448,
peak2536	2.23	8.31764E-06	0.000251189	6.75	2.63027E-08	1.8197E-06	chr2	88874229	88874829	NR_110236.1	0.000000026	+	88874229	88874829	600,
peak2537	2.09	0.000338844	0.003801894	31.9	2.63027E-10	6.30957E-09	chr2	96936984	96937283	NM_004804.3	2.6E-10	+	96936984	96937283	299,
peak2541	1.78	0.000275423	0.003235937	32	7.76247E-08	7.76247E-07	chr2	97911101	97911302	NM_001354587.1	0.000000078	+	97911101	97911302	201,
peak2637	3.61	0.001412538	0.010471285	12.4	2.5704E-09	4.2658E-08	chr2	132278102	132278302	NR_026922.1	2.6E-09	+	132278102	132278302	200,
peak2641	1.67	2.18776E-05	0.000524807	20.3	1.99526E-10	4.89779E-09	chr2	135206304	135206705	NM_002410.5	2E-10	+	135206304	135206705	401,
peak2673	3.63	0.001949845	0.013489629	5.8	1.38038E-06	9.54993E-06	chr2	149542341	149543944	NM_015630.4	0.0000014	+	149542341	149543944	229,71,
peak2676	2.05	0.000891251	0.007762471	12.3	0.005754399	0.019054607	chr2	152321747	152321947	NM_001177665.2	0.0058	+	152321747	152321947	200,
peak2677	1.99	0.002137962	0.014125375	16.5	0.005754399	0.019054607	chr2	152322146	152322546	NM_001177665.2	0.0058	+	152322146	152322546	400,
peak2679	1.57	0.001737801	0.012302688	6.3	0.002041738	0.00724436	chr2	153473656	153475509	NM_052905.4	0.002	+	153473656	153475509	50,150,
peak2699	3.78	0.000524807	0.005248075	2.5	8.51138E-09	1.20226E-07	chr2	162091894	162091995	NM_004180.3	8.5E-09	+	162091894	162091995	101,
peak2762	3.72	2.75423E-05	0.000630957	34.2	1.25893E-07	1.1749E-06	chr2	196545296	196545396	NM_020342.3	0.00000013	+	196545296	196545396	100,
peak3014	5.51	0.002691535	0.016982437	5.43	8.70964E-07	6.45654E-06	chr2	207631998	207632099	NM_014929.3	0.00000087	+	207631998	207632099	101,
peak3017	5.4	4.57088E-06	0.000158489	4.42	1.69824E-06	1.14815E-05	chr2	207631921	207632121	NM_001136193.2	0.0000017	+	207631921	207632121	200,
peak3069	1.16	4.16869E-05	0.000851138	4.62	1.69824E-08	2.13796E-07	chr2	233659501	233660869	NM_001103146.2	0.000000017	+	233659501	233660869	153,98,
peak3074	1.18	1.23027E-05	0.000338844	6.2	4.0738E-07	3.23594E-06	chr2	233659465	233671201	NM_001103147.2	0.00000041	+	233659465	233671201	189,160,1,
peak3080	1.37	5.88844E-06	0.000190546	5.6	2.18776E-07	1.90546E-06	chr2	233659480	233671214	NM_001103148.2	0.00000022	+	233659480	233671214	174,160,14,
peak3085	1.26	6.91831E-06	0.000218776	3.56	7.94328E-09	1.12202E-07	chr2	233659459	233660926	NM_015575.4	7.9E-09	+	233659459	233660926	195,155,
peak3114	1.39	0.000346737	0.003801894	6.72	0.001949845	0.00676083	chr2	237489474	237489474	NM_020311.3	0.0019	+	237489474	237489474	51,392,
peak3118	1.67	0.003890451	0.021877616	6.66	5.37032E-06	3.0903E-05	chr2	238668778	238688141	NM_001137550.2	0.0000054	+	238668778	238688141	70,50,118,80,105,77,
peak3121	2.12	3.63078E-05	0.000758578	14.5	8.91251E-06	4.89779E-05	chr2	238662107	238671541	NM_001137552.2	0.0000089	+	238662107	238671541	15,93,142,296,
peak3210	5.83	0.00047863	0.004897788	8.37	0.00162181	0.005754399	chr2	24261710	24261910	NM_025203.3	0.0016	-	24261710	24261910	200,
peak3249	1.03	0.000457088	0.004677351	15.8	4.57088E-08	5.01187E-07	chr2	259665370	25966520	NM_018263.6	0.000000046	-	25965370	25966520	1150,
peak3271	3	0.00074131	0.00676083	10.1	0.000831764	0.003019952	chr2	37873632	37873732	NM_006449.5	0.00083	-	37873632	37873732	100,
peak3276	3.6	0.003630781	0.020892961	11.2	0.00057544	0.002187762	chr2	37873652	37873753	NM_001270438.2	0.00058	-	37873652	37873753	101,
peak3301	2.61	4.46684E-06	0.000154882	11	0.000141254	0.000588844	chr2	40656046	40656446	NM_001252624.2	0.00014	-	40656046	40656446	400,
peak3305	3.02	1.41254E-06	6.16595E-05	9	2.23872E-06	1.44544E-05	chr2	40656070	40656421	NM_001351485.2	0.0000022	-	40656070	40656421	351,
peak3312	3.02	1.41254E-06	6.16595E-05	9	5.62341E-05	0.00025704	chr2	40656070	40656421	NM_001351489.2	0.000056	-	40656070	40656421	351,
peak3315	2.89	4.0738E-06	0.000144544	11.3	0.000436516	0.001659587	chr2	40656065	40656466	NM_001351492.2	0.00044	-	40656065	40656466	401,
peak3321	2.46	1.62181E-05	0.00042658	9	0.00001	5.37032E-05	chr2	40656029	40656429	NM_001351483.2	0.00001	-	40656029	40656429	400,
peak3333	3.16	1.65959E-06	7.07946E-05	9	1.1749E-06	8.31764E-06	chr2	40656030	40656430	NM_001351490.2	0.0000012	-	40656030	40656430	400,
peak3368	1.01	4.2658E-07	2.39883E-05	5.52	3.01995E-06	1.90546E-05	chr2	61415146	61416045	NM_014709.4	0.000003	-	61415146	61416045	698,1,
peak3383	2.71	5.88844E-05	0.001071519	6	8.91251E-06	4.89779E-05	chr2	69692774	69692975	NM_001371575.1	0.0000089	-	69692774	69692975	201,
peak3389	3.26	8.31764E-05	0.001348963	5.89	5.62341E-06	3.23594E-05	chr2	69692812	69692963	NM_014911.4	0.0000056	-	69692812	69692963	151,

peak3401	4.17	5.24807E-05	0.001	1.71	0.000144544	0.000616595	chr2	73315773	73316101	NM_015470.3	0.00014	-	73315773	73316101	104,95,
peak3420	2.98	0.001819701	0.012882496	19.7	1.99526E-08	2.45471E-07	chr2	85771941	85772141	NM_000821.7	0.00000002	-	85771941	85772141	200,
peak3421	3.01	0.001148154	0.009120108	22	2.63027E-08	3.0903E-07	chr2	85771942	85772142	NM_001142269.4	0.000000026	-	85771942	85772142	200,
peak3516	4.63	0.003715352	0.020892961	7.14	4.46684E-05	0.00020893	chr2	99342715	99347595	NM_012214.3	0.000045	-	99342715	99347595	315,85,
peak3546	2.67	0.00074131	0.00676083	3.73	9.77237E-10	1.86209E-08	chr2	106710553	106715206	NM_001253876.1	9.8E-10	-	106710553	106715206	60,104,35,
peak3547	2.76	0.000346737	0.003890451	3.83	5.7544E-05	0.00025704	chr2	106710552	106715205	NM_025076.4	0.000058	-	106710552	106715205	61,104,34,
peak3566	3.65	0.0001	0.001548817	2	0.000138038	0.000588844	chr2	110843023	110843122	NM_005434.5	0.00014	-	110843023	110843122	99,
peak3568	3.75	7.4131E-05	0.001258925	2.2	0.000158489	0.000606093	chr2	110843015	110843114	NM_001371559.1	0.00016	-	110843015	110843114	99,
peak3570	3.4	5.37032E-05	0.001	9.25	0.0001	0.000436516	chr2	111419185	111419384	NM_001278616.1	0.0001	-	111419185	111419384	199,
peak3575	2.05	0.003630781	0.020892961	7.2	0.000416869	0.001584893	chr2	112101780	112252538	NR_136164.1	0.00042	-	112101780	112252538	34,89,77,
peak3578	4.6	3.98107E-05	0.000812831	7.62	0.002884032	0.01	chr2	118677444	118677595	NM_019044.5	0.0029	-	118677444	118677595	151,
peak3594	2.26	5.37032E-05	0.001023293	4.11	0.000316228	0.001230269	chr2	128065268	128066199	NM_006609.5	0.00032	-	128065268	128066199	112,39,
peak3598	2.07	0.004265795	0.022908677	3.35	0.000354813	0.001380384	chr2	128065205	128066235	NM_001371911.1	0.00035	-	128065205	128066235	175,75,
peak3608	2.59	0.004365158	0.023988329	7.56	5.49541E-05	0.000251189	chr2	128628922	128631739	NM_001199140.1	0.000055	-	128628922	128631739	11,338,
peak3628	2.66	0.000436516	0.004466836	20	1.04713E-05	5.62341E-05	chr2	136873159	136873259	NM_001008540.2	0.00001	-	136873159	136873259	100,
peak3629	2.72	0.000489779	0.004897788	21.9	1.38038E-05	7.24436E-05	chr2	136873155	136873255	NM_001348056.2	0.000014	-	136873155	136873255	100,
peak3631	1.95	0.001230269	0.009549926	42.8	6.0256E-08	6.30957E-07	chr2	145156432	145156783	NM_001171653.2	0.00000006	-	145156432	145156783	351,
peak3657	2.76	0.000269153	0.003162278	2.5	1.90546E-07	1.69824E-06	chr2	152663367	152668901	NM_001037174.2	0.00000019	-	152663367	152668901	119,31,
peak3658	2.81	0.000151356	0.002089296	2.64	2.0893E-07	1.8197E-06	chr2	152663365	152668899	NM_177985.3	0.00000021	-	152663365	152668899	121,29,
peak3741	4.25	0.004897788	0.025703958	2.81	3.98107E-08	4.36516E-07	chr2	165561530	165578599	NM_001365672.2	0.00000004	-	165561530	165578599	85,15,
peak3765	4.26	0.000933254	0.007943282	2.32	4.16869E-08	4.67735E-07	chr2	165561535	165578604	NM_001278460.2	0.000000042	-	165561535	165578604	80,20,
peak3772	4.27	0.000831764	0.00724436	2.11	3.80189E-08	4.2658E-07	chr2	165561535	165578605	NM_001365670.2	0.000000038	-	165561535	165578605	80,21,
peak3824	2.37	0.002238721	0.014454398	56.7	1.7378E-06	1.14815E-05	chr2	190428581	190430154	NM_014585.5	0.0000017	-	190428581	190430154	370,75,
peak3864	6.82	0.001862087	0.012882496	2.57	6.91831E-09	5.88844E-07	chr2	211019149	211019249	NM_001307976.2	6.9E-09	-	211019149	211019249	100,
peak3866	6.82	0.001548817	0.011220185	2.55	1.07152E-08	8.51138E-07	chr2	211019147	211019247	NM_152519.4	0.000000011	-	211019147	211019247	100,
peak3877	1.08	0.000812831	0.007079458	22.3	1.99526E-11	6.76083E-10	chr2	213872061	213872712	NM_001371274.1	2E-11	-	213872061	213872712	651,
peak3895	2.49	0.000107152	0.00162181	12	1.58489E-07	1.44544E-06	chr2	219502891	219503192	NM_001366290.3	0.00000016	-	219502891	219503192	301,
peak3900	2.3	0.002818383	0.017378008	10.3	0.000316228	0.001230269	chr2	219502909	219503209	NM_001105537.4	0.00032	-	219502909	219503209	300,
peak3907	4.08	3.89045E-06	0.000138038	7.95	9.77237E-05	0.000416869	chr2	219509276	219509677	NM_001366287.2	0.000098	-	219509276	219509677	401,
peak3909	2.26	0.003162278	0.018620871	10.4	0.000120226	0.000512861	chr2	219502907	219503207	NM_001366288.2	0.00012	-	219502907	219503207	300,
peak3913	2.46	0.000162181	0.002187762	12.3	0.000128825	0.000537032	chr2	219502902	219503201	NM_001366289.2	0.00013	-	219502902	219503201	299,
peak3959	1.21	0.000776247	0.00691831	3.86	5.12861E-07	3.98107E-06	chr2	230632237	230633352	NM_001348315.2	0.00000051	-	230632237	230633352	229,21,
peak3964	1.43	0.00047863	0.004786301	4.03	7.76247E-07	5.7544E-06	chr2	230632141	230633356	NM_001348316.2	0.00000078	-	230632141	230633356	325,25,
peak3968	1.45	0.00074131	0.00676083	4.75	2.18776E-07	1.90546E-06	chr2	230632151	230633367	NM_001348318.2	0.00000022	-	230632151	230633367	315,36,
peak3972	1.49	0.000446684	0.004677351	3.89	5.49541E-07	4.2658E-06	chr2	230632143	230633358	NM_001348320.2	0.00000055	-	230632143	230633358	323,27,
peak3977	1.41	0.000645654	0.006025596	4.66	5.49541E-07	4.2658E-06	chr2	230632150	230633366	NM_001348324.2	0.00000055	-	230632150	230633366	316,35,
peak3982	1.45	0.000162181	0.002187762	3.88	5.01187E-07	3.89045E-06	chr2	230632138	230633353	NM_001348325.2	0.00000005	-	230632138	230633353	328,22,
peak3997	1.22	0.000467735	0.004786301	3.94	8.31764E-07	6.0256E-06	chr2	230632235	230633350	NM_001348329.2	0.00000083	-	230632235	230633350	231,19,
peak4002	1.36	0.001148154	0.009120108	4.64	4.0738E-07	3.31131E-06	chr2	230632149	230633365	NM_001348330.2	0.00000041	-	230632149	230633365	317,34,
peak4007	1.44	0.000446684	0.004570882	4.03	4.67735E-07	3.63078E-06	chr2	230632141	230633355	NM_001284214.2	0.00000047	-	230632141	230633355	325,24,
peak4012	1.5	0.000398107	0.004265795	3.89	4.57088E-07	3.54813E-06	chr2	230632142	230633357	NM_001284215.2	0.00000046	-	230632142	230633357	324,26,
peak4016	1.44	0.000162181	0.002187762	3.86	2.63027E-07	2.23872E-06	chr2	230632138	230633352	NM_001284216.2	0.00000026	-	230632138	230633352	328,21,
peak4020	1.19	0.00057544	0.005495409	3.86	2.51189E-07	2.13796E-06	chr2	230632236	230633351	NM_001348317.1	0.00000025	-	230632236	230633351	230,20,
peak4024	1.47	0.000331131	0.003715352	4.24	4.7863E-07	3.80189E-06	chr2	230632146	230633362	NM_001348319.1	0.00000048	-	230632146	230633362	320,31,
peak4035	1.48	0.000467735	0.004677351	4.03	6.91831E-07	5.24807E-06	chr2	230632140	230633355	NM_001348322.1	0.00000069	-	230632140	230633355	326,24,
peak4040	1.57	0.000218776	0.002754229	3.95	8.91251E-07	6.45654E-06	chr2	230632152	230633368	NM_001348323.1	0.00000089	-	230632152	230633368	314,37,
peak4045	1.54	8.12831E-05	0.001318257	4.12	3.38844E-05	0.000158489	chr2	230632235	230633349	NM_001348328.1	0.000034	-	230632235	230633349	231,18,
peak4050	1.47	0.000346737	0.003801894	3.89	6.76083E-07	5.12861E-06	chr2	230632144	230633359	NM_001348331.1	0.00000068	-	230632144	230633359	322,28,
peak4054	1.45	0.00074131	0.00676083	4.75	4.16869E-07	3.31131E-06	chr2	230632151	230633367	NM_001348332.1	0.00000042	-	230632151	230633367	315,36,
peak4059	1.42	0.000446684	0.004570882	4.03	7.4131E-07	5.49541E-06	chr2	230632142	230633357	NM_001348333.1	0.00000074	-	230632142	230633357	324,26,
peak4064	1.48	0.000446684	0.004677351	3.89	6.16595E-07	4.67735E-06	chr2	230632143	230633358	NM_004238.3	0.00000062	-	230632143	230633358	323,27,
peak4078	1.04	0.00057544	0.005495409	7.6	2.5704E-05	0.000125893	chr2	231033782	231035365	NM_080424.2	0.000026	-	231033782	231035365	171,29,
peak4098	2.47	5.88844E-06	0.000194984	4.99	3.63078E-05	0.000169824	chr2	238275713	238275913	NM_057167.3	0.000036	-	238275713	238275913	200,
peak4109	2.46	3.0903E-06	0.000114815	4.36	2.18776E-07	1.90546E-06	chr2	238275715	238275915	NM_057166.5	0.00000022	-	238275715	238275915	200,
peak4112	3.54	0.001071519	0.008709636	7.43	0.000147911	0.000616595	chr2	239155026	239157764	NM_022817.3	0.00015	-	239155026	239157764	139,62,
peak4128	5.55	7.58578E-05	0.001258925	4	7.4131E-10	1.51356E-08	chr2	242168626	242168727	NM_001243900.2	7.4E-10	-	242168626	242168727	101,
peak4139	5.05	3.46737E-05	0.00074131	3.9	3.89045E-06	2.34423E-05	chr2	242433771	242433920	NM_001271977.2	0.0000039	-	242433771	242433920	149,

peak4141	4.95	6.16595E-05	0.001096478	4	3.31131E-06	2.04174E-05	chr2	242433772	242433922	NM_001271980.2	0.0000033	-	242433772	242433922	150,
peak4181	2.07	4.0738E-05	0.000831764	16	6.16595E-05	0.000275423	chr3	9512158	9512608	NM_001292043.2	0.000062	+	9512158	9512608	450,
peak4185	2.28	3.63078E-06	0.000131826	16.4	0.00018197	0.00074131	chr3	9512163	9512562	NM_001349451.2	0.00018	+	9512163	9512562	399,
peak4188	2.31	0.00042658	0.004466836	15.9	6.0256E-05	0.000269153	chr3	9512219	9512569	NM_001080517.3	0.00006	+	9512219	9512569	350,
peak4206	3.3	0.000512861	0.005011872	2.22	9.33254E-07	3.80189E-05	chr3	12544891	12545040	NM_001145393.2	0.00000093	+	12544891	12545040	149,
peak4208	2.88	0.001202264	0.009549926	2.14	7.58578E-05	0.00162181	chr3	12544885	12545082	NM_001321278.2	0.000076	+	12544885	12545082	197,
peak4209	3.19	0.001122018	0.009120108	2.89	7.76247E-05	0.00162181	chr3	12544912	12545012	NM_001145392.1	0.000078	+	12544912	12545012	100,
peak4211	3.63	0.001318257	0.01	2	0.00042658	0.007413102	chr3	12544929	12545079	NM_001321279.1	0.00043	+	12544929	12545079	150,
peak4233	3.56	0.000194984	0.002511886	10.2	1.38038E-06	9.54993E-06	chr3	15301246	15301496	NR_046084.1	0.0000014	+	15301246	15301496	250,
peak4321	6.22	7.07946E-06	0.000223872	10.7	3.0903E-06	1.90546E-05	chr3	42251384	42251583	NM_001265608.2	0.0000031	+	42251384	42251583	199,
peak4323	6.52	7.58578E-05	0.00128825	10.7	8.51138E-06	4.67735E-05	chr3	42251427	42251578	NM_001265609.1	0.0000085	+	42251427	42251578	151,
peak4325	7.19	5.88844E-05	0.001071519	7.6	3.38844E-05	0.000162181	chr3	42251416	42251566	NM_014965.5	0.000034	+	42251416	42251566	150,
peak4335	2.44	0.000545941	0.005370318	7.32	4.7863E-05	0.000223872	chr3	42699829	42700029	NM_145166.4	0.000048	+	42699829	42700029	200,
peak4373	2.91	0.004466836	0.023988329	2	0.002754229	0.040738028	chr3	48889067	48889217	NR_109996.1	0.0028	+	48889067	48889217	150,
peak4571	4.34	2.51189E-05	0.000588844	4.67	0.000131826	0.002630268	chr3	107520126	107520126	NM_001142568.3	0.00013	+	107519976	107520126	150,
peak4572	1.81	0.000151356	0.002089296	11.9	3.38844E-08	3.89045E-07	chr3	107493658	107508639	NM_001276286.2	0.000000034	+	107493658	107508639	46,149,6,
peak4575	3.56	0.004466836	0.023988329	5.17	0.000104713	0.000457088	chr3	107520019	107524357	NM_020235.7	0.0001	+	107520019	107524357	109,141,
peak4625	1.49	0.001995262	0.013489629	8	0.00017378	0.003388442	chr3	113804642	113804940	NM_001256835.2	0.00017	+	113804642	113804940	298,
peak4627	1.23	0.002187762	0.014454398	8.5	0.000151356	0.002951209	chr3	113804648	113804946	NM_001256837.2	0.00015	+	113804648	113804946	298,
peak4636	1.58	8.31764E-05	0.001380384	3.25	0.005128614	0.017378008	chr3	122283383	122284778	NM_138287.3	0.0051	+	122283383	122284778	77,73,
peak4637	1.42	0.000316228	0.003548134	74.6	3.63078E-05	0.00017378	chr3	122288140	122289316	NM_138287.3	0.000036	+	122288140	122289316	731,15,
peak4646	1.96	0.003388442	0.019498446	7.14	2.18776E-06	1.44544E-05	chr3	122420203	122420404	NM_017554.3	0.0000022	+	122420203	122420404	201,
peak4647	1.51	6.60693E-05	0.001148154	17	4.46684E-06	2.69153E-05	chr3	122436968	122437800	NM_017554.3	0.0000045	+	122436968	122437800	156,595,
peak4653	1.27	0.002290868	0.015135612	9.2	6.45654E-06	3.63078E-05	chr3	124456481	124456978	NM_000373.4	0.0000065	+	124456481	124456978	497,
peak4661	1.92	0.000912011	0.007762471	5.91	0.002398833	0.008317638	chr3	127788792	127788792	NM_013336.4	0.0024	+	127788543	127788792	249,
peak4698	2.28	8.31764E-05	0.001380384	10.9	1.7378E-07	1.58489E-06	chr3	140692835	140695440	NM_001104647.3	0.00000017	+	140692835	140695440	12,339,
peak4700	1.13	0.004466836	0.023988329	16.5	6.45654E-09	9.33254E-08	chr3	141011154	141011352	NM_001037172.3	6.5E-09	+	141011154	141011352	198,
peak4703	1.36	5.01187E-05	2.75423E-05	21.9	1.99526E-11	6.30957E-10	chr3	141162361	141163109	NM_001080412.3	2E-11	+	141162361	141163109	748,
peak4708	3.1	5.24807E-05	0.001	6.3	3.16228E-06	1.99526E-05	chr3	141166393	141166643	NM_001080412.3	0.0000032	+	141166393	141166643	250,
peak4715	3.08	4.67735E-07	2.63027E-05	4.58	3.54813E-08	3.98107E-07	chr3	141166384	141166685	NM_001350099.2	0.000000035	+	141166384	141166685	301,
peak4722	3.08	4.67735E-07	2.63027E-05	4.58	4.16869E-08	4.67735E-07	chr3	141166384	141166685	NM_001350100.2	0.000000042	+	141166384	141166685	301,
peak4782	6.89	0.001949845	0.013489629	4	6.91831E-09	1.28825E-07	chr3	158320618	158322923	NM_001195433.2	6.9E-09	+	158320618	158322923	110,38,
peak4847	5.47	1.41254E-06	6.30957E-05	4.08	0.012302688	0.039810717	chr3	183528425	183528575	NM_001351370.1	0.012	+	183528425	183528575	150,
peak4868	1.45	0.000616595	0.005888437	3.35	1.25893E-12	6.30957E-11	chr3	184042796	184045124	NM_198242.3	1.3E-12	+	184042796	184045124	106,105,160,101,103,103,121,
peak4953	1.14	0.004265795	0.023442288	19.8	5.01187E-11	1.47911E-09	chr3	12625394	12625642	NM_001354689.3	5E-11	-	12625394	12625642	248,
peak4955	1.26	0.003467369	0.019952623	17.8	1.38038E-08	1.77828E-07	chr3	12625446	12625646	NM_002880.3	0.000000014	-	12625446	12625646	200,
peak4956	1.6	0.003388442	0.019498446	22.6	2.75423E-05	0.000134896	chr3	12625793	12625943	NM_002880.3	0.000028	-	12625793	12625943	150,
peak4957	1.22	0.000165959	0.002187762	15.4	0.000263027	0.001047129	chr3	12625403	12625651	NM_001354690.2	0.00026	-	12625403	12625651	248,
peak4958	1.62	0.001412538	0.010471285	21.8	0.0001	0.000436516	chr3	12625799	12625948	NM_001354690.2	0.0001	-	12625799	12625948	149,
peak4960	1.21	0.000186209	0.002398833	15.4	1.20226E-09	2.23872E-08	chr3	12625403	12625652	NM_001354692.2	1.2E-09	-	12625403	12625652	249,
peak4961	1.8	0.001023293	0.008317638	20	2.51189E-10	6.0256E-09	chr3	12625799	12625949	NM_001354692.2	2.5E-10	-	12625799	12625949	150,
peak4966	1.21	0.000186209	0.002398833	15.4	2.81838E-09	4.67735E-08	chr3	12625403	12625652	NM_001354695.2	2.8E-09	-	12625403	12625652	249,
peak4967	1.8	0.001023293	0.008317638	20	2.45471E-09	4.16869E-08	chr3	12625799	12625949	NM_001354695.2	2.5E-09	-	12625799	12625949	150,
peak4970	1.24	0.000239883	0.002884032	15.4	5.01187E-11	1.34896E-09	chr3	12625405	12625656	NR_148941.2	5E-11	-	12625405	12625656	251,
peak4971	1.61	0.003235937	0.019054607	16	4.0738E-10	8.91251E-09	chr3	12625804	12625955	NR_148941.2	4.1E-10	-	12625804	12625955	151,
peak4982	3.7	8.91251E-06	0.000263027	13	3.89045E-07	3.16228E-06	chr3	14154401	14154596	NM_144636.3	0.00000039	-	14154401	14154596	195,
peak5000	3.7	0.002187762	0.014454398	6.67	0.000977237	0.003630781	chr3	15131954	15137488	NM_001302378.2	0.00098	-	15131954	15137488	92,9,
peak5001	1.36	0.000346737	0.003890451	37.2	5.12861E-07	3.98107E-06	chr3	15115167	15117138	NM_022340.4	0.00000051	-	15115167	15117138	1270,26,
peak5003	3.19	0.00128825	0.01	6	5.12861E-07	3.98107E-06	chr3	15131960	15137494	NM_022340.4	0.00000051	-	15131960	15137494	86,15,
peak5020	1.41	0.001659587	0.011748976	3.23	3.98107E-06	2.39883E-05	chr3	17202335	17202684	NM_001134381.1	0.000004	-	17202335	17202684	349,
peak5023	1.37	0.003890451	0.021877616	3.75	9.12011E-07	6.60693E-06	chr3	17202331	17202680	NM_014744.2	0.00000091	-	17202331	17202680	349,
peak5025	1.25	0.00047863	0.004897788	4.09	9.33254E-06	5.12861E-05	chr3	17202302	17202653	NM_001349073.1	0.0000093	-	17202302	17202653	351,
peak5027	1.37	0.003090295	0.018620871	3.42	3.23594E-06	1.99526E-05	chr3	17202332	17202681	NM_001349074.1	0.0000032	-	17202332	17202681	349,
peak5028	1.23	0.001949845	0.013489629	3.2	8.91251E-06	4.89779E-05	chr3	17202349	17202649	NM_001349075.1	0.0000089	-	17202349	17202649	300,
peak5030	1.34	0.001258925	0.009772372	3.13	1.28825E-05	6.76083E-05	chr3	17202349	17202650	NM_001349076.1	0.000013	-	17202349	17202650	301,
peak5036	1.43	0.004168694	0.022908677	3.71	1.12202E-06	7.94328E-06	chr3	17202327	17202675	NM_001349079.1	0.0000011	-	17202327	17202675	348,
peak5038	1.02	0.003630781	0.020417379	3.32	7.07946E-06	3.98107E-05	chr3	17202343	17202643	NM_001349080.1	0.0000071	-	17202343	17202643	300,

peak5040	1.48	0.003801894	0.021379621	3.71	1.44544E-07	1.31826E-06	chr3	17202325	17202674	NM_001349081.1	0.00000014	-	17202325	17202674	349,
peak5042	1.41	0.001659587	0.011748976	3.23	3.98107E-06	2.39883E-05	chr3	17202335	17202684	NM_001349082.1	0.000004	-	17202335	17202684	349,
peak5044	1.34	0.001258925	0.009772372	3.13	1.25893E-05	6.60693E-05	chr3	17202349	17202650	NM_001349083.1	0.000013	-	17202349	17202650	301,
peak5046	1.41	0.003311311	0.019498446	3.75	6.60693E-06	3.71535E-05	chr3	17202331	17202680	NM_001349084.1	0.0000066	-	17202331	17202680	349,
peak5054	1.02	0.003715352	0.020892961	3.32	0.000147911	0.000616595	chr3	17202343	17202643	NM_001349088.1	0.00015	-	17202343	17202643	300,
peak5058	1.45	0.001348963	0.01023293	3.35	9.54993E-06	5.12861E-05	chr3	17202337	17202686	NM_001349090.1	0.0000095	-	17202337	17202686	349,
peak5060	1.38	0.003715352	0.020892961	3.75	8.12831E-06	4.46684E-05	chr3	17202331	17202680	NM_001349091.1	0.0000081	-	17202331	17202680	349,
peak5064	3.21	0.002884032	0.017782794	23.8	9.33254E-06	5.01187E-05	chr3	18435957	18436307	NM_001195470.3	0.0000093	-	18435957	18436307	350,
peak5068	3.42	0.000186209	0.002398833	22	1.65959E-06	1.12202E-05	chr3	18435956	18436306	NM_002971.6	0.0000017	-	18435956	18436306	350,
peak5072	3.23	0.000676083	0.006309573	23.3	5.88844E-06	3.38844E-05	chr3	18435958	18436308	NM_001131010.4	0.0000059	-	18435958	18436308	350,
peak5075	2.77	0.00042658	0.004466836	24.2	1.47911E-08	1.90546E-07	chr3	18435955	18436304	NM_001322871.2	0.000000015	-	18435955	18436304	349,
peak5081	3.16	0.00074131	0.00676083	15.5	4.57088E-07	3.63078E-06	chr3	18435965	18436316	NM_001322876.2	0.00000046	-	18435965	18436316	351,
peak5084	2.88	0.000165959	0.002187762	26.7	2.0893E-07	1.8197E-06	chr3	18436000	18436300	NM_001322872.2	0.00000021	-	18436000	18436300	300,
peak5087	3.21	0.000660693	0.00616595	16.4	1.54882E-05	7.94328E-05	chr3	18435961	18436311	NM_001322874.2	0.000015	-	18435961	18436311	350,
peak5090	3.22	0.00057544	0.005623413	23.3	3.98107E-06	2.39883E-05	chr3	18435958	18436307	NM_001322875.1	0.000004	-	18435958	18436307	349,
peak5145	2	0.000707946	0.006456542	4.4	0.001380384	0.004897788	chr3	36897023	36897372	NM_001329998.2	0.0014	-	36897023	36897372	349,
peak5147	1.96	0.000562341	0.005495409	4.54	0.000251189	0.001	chr3	36897033	36897333	NM_014831.3	0.00025	-	36897033	36897333	300,
peak5150	4.02	8.12831E-06	0.000245471	5.52	1.99526E-06	1.31826E-05	chr3	37136368	37144489	NM_006309.4	0.000002	-	37136368	37144489	31,45,75,
peak5154	4.03	8.91251E-06	0.000263027	5.52	0.000151356	0.000630957	chr3	37136370	37154432	NM_001282691.1	0.00015	-	37136370	37154432	29,45,48,27,
peak5160	4.13	2.95121E-05	0.000660693	7.42	0.001862087	0.006606934	chr3	37136392	37149591	NM_001348298.1	0.0019	-	37136392	37149591	7,45,69,28,
peak5165	3.27	0.001122018	0.008912509	5.84	0.000389045	0.001513561	chr3	37136396	37163182	NM_001348300.1	0.00039	-	37136396	37163182	3,45,45,57,
peak5168	4.23	0.000120226	0.001737801	6.22	0.000158489	0.000645654	chr3	37136388	37163175	NM_001348303.1	0.00016	-	37136388	37163175	11,45,45,50,
peak5170	2.26	3.80189E-05	0.000794328	6.25	9.33254E-05	0.00040738	chr3	37136394	37190498	NM_001348304.1	0.000093	-	37136394	37190498	5,45,87,114,
peak5172	2.27	4.16869E-05	0.000851138	6.45	0.000301995	0.001202264	chr3	37136394	37190496	NM_001348306.1	0.0003	-	37136394	37190496	5,45,87,112,
peak5174	2.29	5.49541E-05	0.001023293	6.9	4.57088E-05	0.000213796	chr3	37136395	37190496	NM_001348310.1	0.000046	-	37136395	37190496	4,45,87,112,
peak5175	1.73	0.000812831	0.007079458	4.46	2.45471E-06	1.58489E-05	chr3	37125272	37190504	NM_017724.2	0.0000025	-	37125272	37190504	25,117,45,87,120,
peak5207	2.62	3.0903E-06	0.000114815	14.5	0.004265795	0.014454398	chr3	47162485	47162785	NM_014159.6	0.0043	-	47162485	47162785	300,
peak5213	2.99	5.37032E-07	2.88403E-05	13.8	5.24807E-05	0.000239883	chr3	47162518	47162768	NM_001349370.2	0.000052	-	47162518	47162768	250,
peak5278	1.35	0.003019952	0.018197009	19.5	3.71535E-07	3.01995E-06	chr3	49764507	49764757	NM_153273.4	0.00000037	-	49764507	49764757	250,
peak5284	2.13	0.003388442	0.019498446	7	0.002344229	0.008128305	chr3	49939978	49940276	NM_001318913.1	0.0023	-	49939978	49940276	298,
peak5285	2.22	0.001513561	0.010964782	5.29	0.000501187	0.00851138	chr3	49939967	49940266	NR_134919.2	0.0005	-	49939967	49940266	299,
peak5294	3.42	0.000537032	0.005248075	7.4	2.63027E-06	1.65959E-05	chr3	52651290	52651491	NM_001350074.2	0.0000026	-	52651290	52651491	201,
peak5297	3.42	0.000537032	0.005248075	7.4	2.39883E-06	1.54882E-05	chr3	52651290	52651491	NM_001350077.2	0.0000024	-	52651290	52651491	201,
peak5300	2.95	0.000933254	0.007943282	6.67	2.39883E-06	1.54882E-05	chr3	52651329	52651480	NM_001350075.2	0.0000024	-	52651329	52651480	151,
peak5303	3.22	0.000933254	0.007943282	8	1.54882E-06	1.07152E-05	chr3	52651292	52651492	NM_001350076.2	0.0000015	-	52651292	52651492	200,
peak5306	3.22	0.000933254	0.007943282	8	1.47911E-06	0.00001	chr3	52651291	52651491	NM_001350078.2	0.0000015	-	52651291	52651491	200,
peak5312	3.6	0.002187762	0.014454398	8.17	1.58489E-05	8.12831E-05	chr3	52651296	52651497	NM_001366070.2	0.000016	-	52651296	52651497	201,
peak5315	2.99	0.001202264	0.009549926	8.17	6.91831E-07	5.24807E-06	chr3	52651309	52651509	NM_001366071.2	0.00000069	-	52651309	52651509	200,
peak5318	3	0.002398833	0.015488166	9.17	5.01187E-07	3.89045E-06	chr3	52651313	52651513	NM_001366072.2	0.0000005	-	52651313	52651513	200,
peak5324	3.12	0.001318257	0.01	7.67	7.4131E-07	5.49541E-06	chr3	52651286	52651486	NM_001366074.2	0.00000074	-	52651286	52651486	200,
peak5327	3.51	0.004365158	0.023442288	8.17	3.16228E-06	1.94984E-05	chr3	52651303	52651504	NM_001366075.2	0.0000032	-	52651303	52651504	201,
peak5330	3.62	0.00020893	0.002630268	8.17	2.29087E-05	0.000114815	chr3	52651293	52651493	NM_001366076.2	0.000023	-	52651293	52651493	200,
peak5333	2.98	0.00128825	0.009772372	8.5	1.58489E-06	1.07152E-05	chr3	52651328	52651479	NM_018313.5	0.0000016	-	52651328	52651479	151,
peak5336	3.13	0.001202264	0.009332543	9.33	2.75423E-07	2.29087E-06	chr3	52651323	52651473	NM_181042.5	0.00000028	-	52651323	52651473	150,
peak5341	5.34	0.000446684	0.004677351	7.15	1.7378E-07	1.54882E-06	chr3	55504127	55504228	NM_001256105.1	0.00000017	-	55504127	55504228	101,
peak5343	5.35	0.000389045	0.004168694	7.15	4.57088E-07	3.63078E-06	chr3	55504125	55504226	NM_003392.4	0.00000046	-	55504125	55504226	101,
peak5529	4.26	0.000676083	0.006309573	1.47	6.30957E-05	0.001348963	chr3	99569847	99594948	NM_001282793.1	0.000063	-	99569847	99594948	67,33,
peak5530	1.39	0.001862087	0.012882496	16.7	2.0893E-05	0.000104713	chr3	99567268	99567666	NM_001282794.1	0.000021	-	99567268	99567666	398,
peak5534	1.75	4.16869E-05	0.000851138	16.7	6.60693E-07	4.89779E-06	chr3	99567716	99567716	NM_182909.3	0.00000066	-	99567716	99567716	498,
peak5546	1.28	5.37032E-07	2.88403E-05	50.6	1.20226E-06	8.51138E-06	chr3	99567014	99567711	NM_001042459.2	0.0000012	-	99567014	99567711	697,
peak5549	2.93	0.001096478	0.008912509	8.4	7.24436E-06	4.0738E-05	chr3	100084274	100084474	NM_014820.5	0.0000072	-	100084274	100084474	200,
peak5553	1.39	0.004570882	0.024547089	14.7	5.37032E-07	4.16869E-06	chr3	101383911	101384209	NM_014415.4	0.00000054	-	101383911	101384209	298,
peak5643	1.85	7.4131E-05	0.001258925	18.5	6.76083E-08	6.91831E-07	chr3	114057111	114057511	NM_001164342.2	0.000000068	-	114057111	114057511	400,
peak5650	1.77	0.000120226	0.001778279	19	7.76247E-08	7.76247E-07	chr3	114057053	114057503	NM_001164347.2	0.000000078	-	114057053	114057503	450,
peak5656	1.72	0.0001	0.001548817	18.2	1.65959E-07	1.51356E-06	chr3	114057127	114057478	NM_001164346.2	0.00000017	-	114057127	114057478	351,
peak5661	1.61	0.000436516	0.004570882	18.7	2.63027E-07	2.23872E-06	chr3	114057122	114057472	NM_001164343.2	0.00000026	-	114057122	114057472	350,
peak5666	1.65	4.2658E-05	0.000851138	18.7	7.24436E-08	7.4131E-07	chr3	114057117	114057467	NM_001164344.3	0.000000072	-	114057117	114057467	350,

peak5671	1.73	4.0738E-05	0.000831764	18.7	2.18776E-07	1.90546E-06	chr3	114057120	114057471	NM_001164345.3	0.00000022	-	114057120	114057471	351,
peak5676	1.82	0.000389045	0.004168694	14.4	1.51356E-05	7.94328E-05	chr3	114057042	114057493	NR_121662.2	0.000015	-	114057042	114057493	451,
peak5679	1.52	0.000263027	0.003090295	18.5	7.07946E-08	7.24436E-07	chr3	114057058	114057509	NM_001348804.2	0.000000071	-	114057058	114057509	451,
peak5685	1.91	4.89779E-05	0.000933254	15.4	1.31826E-06	9.12011E-06	chr3	114057049	114057499	NM_001348805.2	0.0000013	-	114057049	114057499	450,
peak5692	1.85	4.0738E-05	0.000831764	15.4	1.44544E-06	0.00001	chr3	114057049	114057499	NM_001348800.2	0.0000014	-	114057049	114057499	450,
peak5698	1.72	0.0001	0.001548817	18.2	1.41254E-07	1.31826E-06	chr3	114057128	114057478	NM_001348801.2	0.00000014	-	114057128	114057478	350,
peak5703	1.78	0.00018197	0.002398833	14.3	1.07152E-06	7.58578E-06	chr3	114057035	114057486	NM_001348802.2	0.0000011	-	114057035	114057486	451,
peak5710	1.75	8.31764E-05	0.001380384	18.2	1.54882E-07	1.41254E-06	chr3	114057125	114057476	NM_001348803.2	0.00000015	-	114057125	114057476	351,
peak5715	1.78	0.000158489	0.002187762	17	2.51189E-06	1.58489E-05	chr3	114057040	114057491	NM_015642.6	0.0000025	-	114057040	114057491	451,
peak5739	2.14	0.000933254	0.007943282	3.26	0.004570882	0.015488166	chr3	121445807	121448054	NM_001256488.1	0.0046	-	121445807	121448054	81,20,
peak5755	2.37	0.000151356	0.002089296	2.63	0.006456542	0.021379621	chr3	121445831	121448078	NM_001256487.2	0.0065	-	121445831	121448078	57,44,
peak5800	1.51	0.000218776	0.002754229	3.54	2.95121E-07	2.45471E-06	chr3	122255877	122264302	NM_001146104.2	0.0000003	-	122255877	122264302	43,381,24,
peak5801	4.95	0.00040738	0.004365158	5.31	0.000380189	0.001479108	chr3	122274302	122274700	NM_001146104.2	0.00038	-	122274302	122274700	398,
peak5806	1.5	0.000794328	0.00691831	3.42	2.63027E-09	4.36516E-08	chr3	122255914	122264292	NM_001146106.2	2.6E-09	-	122255914	122264292	6,381,14,
peak5807	4.99	0.000281838	0.003235937	6.8	4.67735E-06	2.81838E-05	chr3	122274295	122274696	NM_001146106.2	0.0000047	-	122274295	122274696	401,
peak5828	2.43	0.00060256	0.005754399	6.61	3.16228E-07	2.5704E-06	chr3	123419090	123419340	NM_053027.4	0.00000032	-	123419090	123419340	250,
peak5833	2.33	0.001318257	0.01	6.85	3.54813E-08	3.98107E-07	chr3	123419084	123419334	NM_053028.4	0.000000035	-	123419084	123419334	250,
peak5836	1.21	5.49541E-05	0.001023293	16.3	4.57088E-08	5.01187E-07	chr3	123633858	123650309	NM_001308317.2	0.000000046	-	123633858	123650309	707,133,155,
peak5839	1.04	0.000831764	0.00724436	17.7	3.0903E-07	2.5704E-06	chr3	123633860	123650312	NM_001366335.1	0.00000031	-	123633860	123650312	705,133,158,
peak5842	1.24	0.000114815	0.001698244	20	4.36516E-08	4.7863E-07	chr3	123633851	123650297	NM_001366336.1	0.000000044	-	123633851	123650297	714,133,143,
peak5850	1.49	0.000954993	0.008128305	16.4	6.0256E-08	6.30957E-07	chr3	123633858	123650291	NM_001366338.1	0.00000006	-	123633858	123650291	278,133,137,
peak5853	1.21	0.000263027	0.003090295	20	1.7378E-08	2.18776E-07	chr3	123633853	123650301	NM_001366339.1	0.000000017	-	123633853	123650301	712,133,147,
peak5855	1.19	0.000141254	0.001995262	20	1.14815E-07	1.09648E-06	chr3	123633851	123650297	NM_022757.5	0.00000011	-	123633851	123650297	714,133,143,
peak5872	2.41	0.000933254	0.007943282	39.2	7.58578E-07	5.62341E-06	chr3	124952456	124952757	NM_001348433.2	0.00000076	-	124952456	124952757	301,
peak5876	2.38	0.000204174	0.002630268	32.6	6.30957E-11	1.69824E-09	chr3	124952453	124952754	NM_001348424.1	6.3E-11	-	124952453	124952754	301,
peak5883	2.63	0.00074131	0.006606934	32.5	2.5704E-06	1.65959E-05	chr3	124951532	124952031	NM_001348425.2	0.0000026	-	124951532	124952031	499,
peak5896	2.41	0.000831764	0.00724436	33.2	6.91831E-10	1.41254E-08	chr3	124952451	124952752	NM_001348428.2	6.9E-10	-	124952451	124952752	301,
peak5899	2.68	0.000977237	0.008128305	32.7	4.16869E-06	2.51189E-05	chr3	124951529	124952027	NM_001348429.2	0.0000042	-	124951529	124952027	498,
peak5906	2.76	0.000354813	0.003890451	32.5	3.16228E-06	1.94984E-05	chr3	124951533	124952032	NM_001348431.2	0.0000032	-	124951533	124952032	499,
peak5944	1.55	6.16595E-05	0.001096478	16.6	1.8197E-06	1.20226E-05	chr3	129389367	129407376	NM_001349272.1	0.0000018	-	129389367	129407376	740,59,
peak5947	1.5	1.94984E-05	0.000489779	15.6	4.57088E-09	6.91831E-08	chr3	129389367	129407127	NM_015008.5	4.6E-09	-	129389367	129407127	740,108,
peak5950	1.61	2.75423E-05	0.000630957	12.9	1.07152E-08	1.44544E-07	chr3	129389360	129442906	NM_001349274.2	0.000000011	-	129389360	129442906	747,100,
peak5953	1.69	3.63078E-05	0.000758578	16.9	2.29087E-10	5.49541E-09	chr3	129389352	129513256	NM_001349273.2	2.3E-10	-	129389352	129513256	755,90,
peak5956	1.57	0.00018197	0.002344229	16.7	7.76247E-09	1.09648E-07	chr3	129389370	129546707	NM_001128224.2	7.8E-09	-	129389370	129546707	737,62,
peak5959	1.62	0.000275423	0.003162278	17.4	1.25893E-11	4.16869E-10	chr3	129389399	129546732	NM_001017395.5	1.3E-11	-	129389399	129546732	708,87,
peak5965	2.34	0.002290868	0.015135612	13.4	1.99526E-10	4.89779E-09	chr3	129547090	129547240	NM_001349263.2	2E-10	-	129547090	129547240	150,
peak5968	1.69	0.000120226	0.001737801	17.6	3.98107E-11	1.23027E-09	chr3	129389401	129546734	NM_001349264.2	4E-11	-	129389401	129546734	706,89,
peak5972	1.56	3.46737E-05	0.00074131	15.9	2.51189E-11	7.58578E-10	chr3	129389381	129546719	NM_001349265.2	2.5E-11	-	129389381	129546719	726,74,
peak5973	1.97	0.004466836	0.023988329	20	2.51189E-11	7.58578E-10	chr3	129547068	129547219	NM_001349265.2	2.5E-11	-	129547068	129547219	151,
peak5976	1.59	1.94984E-05	0.000489779	11.3	7.94328E-11	2.0893E-09	chr3	129389356	129546740	NM_001349266.2	7.9E-11	-	129389356	129546740	751,95,
peak5977	2.27	0.003388442	0.019952623	13	7.94328E-11	2.0893E-09	chr3	129547087	129547237	NM_001349266.2	7.9E-11	-	129547087	129547237	150,
peak5980	1.63	0.000123027	0.001778279	17.2	7.94328E-12	3.23594E-10	chr3	129389397	129546729	NM_001349268.2	7.9E-12	-	129389397	129546729	710,84,
peak5984	1.57	0.00018197	0.002398833	16.7	7.24436E-09	1.04713E-07	chr3	129389370	129546707	NM_001349269.2	7.2E-09	-	129389370	129546707	737,62,
peak5987	1.68	3.54813E-05	0.000758578	12.9	1.09648E-07	1.07152E-06	chr3	129389361	129546745	NM_001349270.2	0.00000011	-	129389361	129546745	746,100,
peak5990	1.55	1.31826E-05	0.000354813	14.9	1.44544E-09	2.63027E-08	chr3	129389379	129599223	NM_001349271.2	1.4E-09	-	129389379	129599223	728,72,
peak5996	1.61	0.000107152	0.00162181	17.6	2.63027E-09	4.36516E-08	chr3	129389401	129599187	NM_001349276.2	2.6E-09	-	129389401	129599187	706,53,36,
peak5999	1.67	0.001202264	0.009549926	13.9	3.01995E-08	3.46737E-07	chr3	134076382	134077408	NM_001278683.1	0.00000003	-	134076382	134077408	223,27,
peak6002	1.83	0.000416869	0.004365158	10.1	1.69824E-08	2.13796E-07	chr3	134076373	134077398	NM_016201.4	0.000000017	-	134076373	134077398	232,17,
peak6005	1.76	0.001148154	0.009120108	10.9	0.000134896	0.00057544	chr3	134076366	134077390	NM_001363943.2	0.00013	-	134076366	134077390	239,9,
peak6016	2.28	0.004570882	0.023988329	8.45	7.76247E-05	0.000338844	chr3	138374022	138374321	NM_006219.3	0.000078	-	138374022	138374321	299,
peak6084	3.84	0.000123027	0.001778279	4.33	7.94328E-05	0.001659587	chr3	170825935	170828636	NM_001161560.3	0.000079	-	170825935	170828636	16,134,
peak6086	3.92	1.8197E-05	0.000457088	3.88	8.12831E-05	0.001698244	chr3	170825917	170828619	NM_001161563.3	0.000081	-	170825917	170828619	34,117,
peak6089	3.87	6.16595E-06	0.000199526	4	6.91831E-05	0.001479108	chr3	170825933	170828634	NM_001161566.3	0.000069	-	170825933	170828634	18,132,
peak6108	4.61	0.000446684	0.004570882	4.14	0.00128825	0.020417379	chr3	184801137	184801237	NM_001025266.3	0.0013	-	184801137	184801237	100,
peak6121	1.81	0.000316228	0.003548134	28	1.54882E-06	1.04713E-05	chr3	194789695	194790631	NM_001308069.1	0.0000015	-	194789695	194790631	936,
peak6122	1.75	0.00020893	0.002630268	29	4.67735E-07	3.63078E-06	chr3	194789703	194790641	NM_152531.5	0.00000047	-	194789703	194790641	938,
peak6188	2.13	0.000512861	0.005011872	23	2.81838E-05	0.000138038	chr4	1980437	1981184	NM_001042424.3	0.000028	+	1980437	1981184	747,

peak6195	2.03	0.000691831	0.006309573	23	3.31131E-05	0.000158489	chr4	1980436	1981185	NM_133330.2	0.000033	+	1980436	1981185	749,
peak6199	2.24	0.001148154	0.009120108	23.8	8.91251E-05	0.000389045	chr4	1980449	1981097	NM_133331.2	0.000089	+	1980449	1981097	648,
peak6203	2.07	0.00040738	0.004265795	29.6	6.91831E-05	0.00030903	chr4	1980440	1981090	NM_133335.3	0.000069	+	1980440	1981090	650,
peak6233	1.11	0.001202264	0.009549926	1.97	0.000114815	0.000489779	chr4	2930151	2930351	NM_001354754.2	0.00011	+	2930151	2930351	200,
peak6265	1.01	0.000489779	0.004897788	2.84	0.013489629	0.043651583	chr4	2927817	2930025	NM_001354755.1	0.013	+	2927817	2930025	22,128,
peak6295	2.99	3.31131E-06	0.000123027	4.18	0.000234423	0.000933254	chr4	6865269	6865519	NM_014743.3	0.00023	+	6865269	6865519	250,
peak6303	4.37	0.003801894	0.021379621	3.7	0.000134896	0.000562341	chr4	6925622	6925773	NM_020773.3	0.00013	+	6925622	6925773	151,
peak6336	3.25	0.002818383	0.017378008	4.7	5.88844E-05	0.000263027	chr4	27024317	27024467	NM_001169117.2	0.000059	+	27024317	27024467	150,
peak6340	3.4	0.004677351	0.024547089	4.09	2.95121E-05	0.000144544	chr4	27024327	27024477	NM_020860.4	0.00003	+	27024327	27024477	150,
peak6342	4.35	9.12011E-05	0.001479108	20.2	0.008709636	0.028183829	chr4	30722488	30722788	NM_001173523.2	0.00087	+	30722488	30722788	300,
peak6343	1.72	1.47911E-08	1.1749E-06	43.7	0.001348963	0.004786301	chr4	30724233	30725978	NM_001173523.2	0.0013	+	30724233	30725978	1745,
peak6345	4.43	7.58578E-05	0.00128825	17.6	0.006309573	0.021379621	chr4	30722490	30722791	NM_032457.4	0.0063	+	30722490	30722791	301,
peak6348	2.08	0.002344229	0.015135612	24.7	0.008709636	0.028840315	chr4	30725839	30726040	NM_032457.4	0.00087	+	30725839	30726040	201,
peak6374	3.16	0.003311311	0.019498446	15.2	8.70964E-06	4.7863E-05	chr4	40121781	40121932	NM_018177.6	0.000087	+	40121781	40121932	151,
peak6383	1.5	0.002691535	0.016982437	5.86	1.09648E-07	1.04713E-06	chr4	40752720	40752919	NM_001330648.3	0.00000011	+	40752720	40752919	199,
peak6385	1.37	0.002691535	0.016595869	5.43	0.001230269	0.004466836	chr4	40752722	40752873	NM_024677.6	0.0012	+	40752722	40752873	151,
peak6405	1.99	0.001995262	0.013803843	2.67	0.000190546	0.000776247	chr4	57344811	57350914	NM_006947.4	0.00019	+	57344811	57350914	4,132,13,
peak6409	2.53	2.29087E-06	9.12011E-05	21.6	6.60693E-08	6.76083E-07	chr4	57776928	57777277	NM_005612.5	0.000000066	+	57776928	57777277	349,
peak6413	2.59	0.000467735	0.004677351	23.2	2.88403E-09	4.7863E-08	chr4	57776948	57777298	NM_001363453.2	2.9E-09	+	57776948	57777298	350,
peak6490	1.41	0.003981072	0.021877616	6.14	0.001148154	0.004168694	chr4	106640377	106640576	NM_001370181.1	0.0011	+	106640377	106640576	199,
peak6506	3.39	0.000660693	0.00616595	40.4	1.58489E-11	5.49541E-10	chr4	110384117	110384367	NM_006323.5	1.6E-11	+	110384117	110384367	250,
peak6693	2.31	0.002754229	0.016982437	18.8	2.51189E-06	1.62181E-05	chr4	120213775	120214275	NM_019050.2	0.0000025	+	120213775	120214275	500,
peak6741	3.14	0.000346737	0.003801894	6.29	3.54813E-05	0.000165959	chr4	128811111	128811212	NM_001190799.2	0.000035	+	128811111	128811212	101,
peak6743	3.14	0.000346737	0.003801894	6.29	1.86209E-05	9.33254E-05	chr4	128811113	128811214	NM_014264.5	0.000019	+	128811113	128811214	101,
peak6745	3.14	0.000346737	0.003801894	6.29	1.44544E-05	7.58578E-05	chr4	128811110	128811211	NM_001190801.1	0.000014	+	128811110	128811211	101,
peak6768	5.02	0.000436516	0.004570882	36	3.01995E-06	1.86209E-05	chr4	144359341	144359641	NM_002039.4	0.000003	+	144359341	144359641	300,
peak6773	5.02	0.000398107	0.004265795	41.1	4.0738E-06	2.45471E-05	chr4	144359340	144359639	NM_207123.3	0.0000041	+	144359340	144359639	299,
peak6801	2.54	2.0893E-05	0.000512861	6.71	3.23594E-06	1.99526E-05	chr4	152571190	152571391	NM_001109977.3	0.0000032	+	152571190	152571391	201,
peak6802	2.68	5.01187E-06	0.000169824	5.27	0.000301995	0.001202264	chr4	152571097	152571397	NM_001348694.2	0.0003	+	152571097	152571397	300,
peak6812	1.61	0.002041738	0.013803843	13	6.45654E-09	9.33254E-08	chr4	154524995	154525344	NM_015196.3	6.5E-09	+	154524995	154525344	349,
peak6813	1.6	0.001174898	0.009332543	12	1.31826E-08	1.7378E-07	chr4	154524602	154525348	NM_001131007.2	0.000000013	+	154524602	154525348	2,395,
peak6879	4.87	8.91251E-06	0.000263027	2.64	3.71535E-07	3.01995E-06	chr4	184161374	184166678	NM_024949.6	0.00000037	+	184161374	184166678	41,110,
peak6883	3.39	0.003630781	0.020417379	2.27	5.49541E-05	0.001230269	chr4	184367822	184367923	NM_017632.4	0.000055	+	184367822	184367923	101,
peak6886	5.23	0.002238721	0.014791084	2	9.54993E-07	3.80189E-05	chr4	184426308	184426408	NM_001564.4	0.00000095	+	184426308	184426408	100,
peak6905	2.25	0.00144544	0.010715193	6.4	3.54813E-06	2.13796E-05	chr4	5823289	5827232	NM_001313.5	0.0000035	-	5823289	5827232	289,12,
peak6907	2.13	0.003715352	0.020892961	5.4	8.91251E-05	0.000389045	chr4	5823283	5827273	NM_001288661.2	0.000089	-	5823283	5827273	295,53,
peak6909	2.13	0.003715352	0.020892961	5.4	7.24436E-05	0.000323594	chr4	5823283	5827273	NM_001014809.3	0.000072	-	5823283	5827273	295,53,
peak6913	3.47	0.00074131	0.006606934	5.29	0.001071519	0.003890451	chr4	7764080	7764231	NM_001371091.1	0.0011	-	7764080	7764231	151,
peak6916	1.73	0.001230269	0.009549926	2.94	0.001023293	0.003715352	chr4	7802374	7817788	NM_001371091.1	0.001	-	7802374	7817788	6,150,44,
peak6920	2.57	0.000234423	0.002818383	13.4	0.003467369	0.011748976	chr4	8368602	8368702	NM_003501.3	0.0035	-	8368602	8368702	100,
peak6923	2.46	0.001949845	0.013182567	8	6.0256E-08	6.30957E-07	chr4	10446022	10446222	NM_053042.3	0.00000006	-	10446022	10446222	200,
peak6937	1.71	0.001122018	0.009120108	19.8	1.20226E-06	8.31764E-06	chr4	13615984	13616984	NM_148894.3	0.0000012	-	13615984	13616984	450,49,
peak6949	1.03	0.00025704	0.003019952	5.25	4.67735E-06	0.000147911	chr4	17886030	17887692	NM_001365658.1	0.0000047	-	17886030	17887692	345,2,
peak6953	5.08	0.001819701	0.012589254	3.75	0.003235937	0.047863009	chr4	36069665	36069765	NM_015230.4	0.0032	-	36069665	36069765	100,
peak6954	2.69	0.001318257	0.01	5.4	0.002454709	0.036307805	chr4	36230508	36230708	NM_015230.4	0.0025	-	36230508	36230708	200,
peak7038	1.09	0.000331131	0.003715352	5.38	4.2658E-07	3.38844E-06	chr4	73956611	73956960	NM_001286771.3	0.00000043	-	73956611	73956960	349,
peak7049	1.18	1.62181E-05	0.00042658	4.55	7.58578E-07	5.62341E-06	chr4	73956626	73956976	NM_032217.5	0.00000076	-	73956626	73956976	350,
peak7075	4.56	6.60693E-05	0.001148154	3.91	4.16869E-07	3.31131E-06	chr4	80827827	80827928	NM_001286781.2	0.00000042	-	80827827	80827928	101,
peak7079	4.72	4.46684E-05	0.000891251	3.2	6.45654E-07	4.89779E-06	chr4	80827828	80827929	NM_058172.6	0.00000065	-	80827828	80827929	101,
peak7083	4.26	7.07946E-05	0.001230269	2.76	3.0903E-07	2.5704E-06	chr4	80827831	80827932	NM_001286780.2	0.00000031	-	80827831	80827932	101,
peak7105	1.09	0.003715352	0.020892961	45.5	5.62341E-09	8.51138E-08	chr4	88415342	88416170	NM_001291976.1	5.6E-09	-	88415342	88416170	408,38,
peak7109	1.13	0.001412538	0.010471285	45.8	1.34896E-07	1.25893E-06	chr4	88415335	88416162	NM_004684.5	0.00000013	-	88415335	88416162	415,30,
peak7141	1.92	0.001778279	0.012589254	11.6	5.7544E-09	8.51138E-08	chr4	90170021	90170571	NM_198281.3	5.8E-09	-	90170021	90170571	550,
peak7147	5.25	0.00047863	0.004897788	1.7	3.71535E-05	0.00017378	chr4	100822227	100824950	NM_001031723.4	0.000037	-	100822227	100824950	82,68,
peak7148	1.45	5.24807E-05	0.000977237	2.22	9.12011E-08	8.91251E-07	chr4	101947104	101953508	NM_001130691.2	0.000000091	-	101947104	101953508	114,85,
peak7149	1.48	0.00025704	0.003090295	2.3	0.000144544	0.00060256	chr4	101947066	101961639	NM_001130692.2	0.00014	-	101947066	101961639	152,98,1,
peak7165	1.34	0.003801894	0.021379621	9.75	3.01995E-05	0.000707946	chr4	113199160	113199310	NM_052864.3	0.00003	-	113199160	113199310	150,

peak7177	3.03	0.000144544	0.002041738	2	1.99526E-05	0.0001	chr4	125631253	125631504	NM_020337.3	0.00002	-	125631253	125631504	251,
peak7178	2.03	0.001348963	0.01023293	4.57	1.99526E-05	0.0001	chr4	125631653	125631804	NM_020337.3	0.00002	-	125631653	125631804	151,
peak7260	2.12	0.002630268	0.016595869	48.6	1.28825E-06	8.91251E-06	chr4	186112038	186112237	NM_001292033.2	0.0000013	-	186112038	186112237	199,
peak7285	2.04	0.000263027	0.003090295	1.58	0.011220185	0.036307805	chr5	14368846	14368997	NM_007118.4	0.011	+	14368846	14368997	151,
peak7288	2.03	0.001023293	0.00851138	1.71	0.012302688	0.039810717	chr5	14368852	14369002	NR_134469.2	0.012	+	14368852	14369002	150,
peak7361	1.63	0.002041738	0.013803843	5	2.51189E-06	1.62181E-05	chr5	54461935	54462134	NM_001306198.2	0.0000025	+	54461935	54462134	199,
peak7363	1.38	0.004786301	0.025118864	5	8.31764E-06	4.57088E-05	chr5	54461892	54462090	NM_001306201.2	0.0000083	+	54461892	54462090	198,
peak7365	1.89	0.000562341	0.005370318	5	9.12011E-08	8.91251E-07	chr5	54461926	54462127	NR_131336.2	0.000000091	+	54461926	54462127	201,
peak7372	1.67	0.001949845	0.013182567	5	1.07152E-07	1.02329E-06	chr5	54461934	54462133	NR_131340.2	0.00000011	+	54461934	54462133	199,
peak7404	3.28	0.000288403	0.003311311	4.64	3.63078E-05	0.000169824	chr5	64867785	64867986	NM_001278926.1	0.000036	+	64867785	64867986	201,
peak7405	3.42	0.004786301	0.025118864	8.78	8.12831E-06	4.46684E-05	chr5	64867812	64867960	NM_001278929.1	0.0000081	+	64867812	64867960	148,
peak7407	3.11	0.000323594	0.003630781	5	6.0256E-06	3.46737E-05	chr5	64867798	64867948	NM_001278927.2	0.000006	+	64867798	64867948	150,
peak7410	3.39	0.000213796	0.002691535	19.4	9.77237E-06	5.37032E-05	chr5	65349471	65349720	NM_001006600.2	0.0000098	+	65349471	65349720	249,
peak7414	1.38	0.001905461	0.013182567	8.82	1.14815E-06	8.12831E-06	chr5	65349954	65350355	NM_001253697.2	0.0000011	+	65349954	65350355	401,
peak7416	2.13	0.001995262	0.013803843	5.55	1.14815E-06	8.12831E-06	chr5	65370953	65374377	NM_001253697.2	0.0000011	+	65370953	65374377	105,93,75,127,
peak7418	1.6	0.003388442	0.019498446	9.91	5.62341E-07	4.2658E-06	chr5	65349955	65350356	NM_001253698.2	0.00000056	+	65349955	65350356	401,
peak7423	2.78	0.00017378	0.002290868	6.15	1.34896E-06	9.33254E-06	chr5	65370918	65372768	NM_001253699.2	0.0000013	+	65370918	65372768	140,93,66,
peak7425	1.29	0.002041738	0.013803843	8.82	4.46684E-07	3.54813E-06	chr5	65349954	65350355	NM_001253701.2	0.00000045	+	65349954	65350355	399,
peak7542	3.25	0.001	0.008317638	4	3.16228E-05	0.00074131	chr5	79734393	79734493	NM_001105251.4	0.000032	+	79734393	79734493	100,
peak7553	3.01	0.001819701	0.012882496	4	5.88844E-05	0.00128825	chr5	79734393	79734494	NR_146172.2	0.000059	+	79734393	79734494	101,
peak7560	3.25	0.001	0.008317638	4	6.60693E-05	0.001412538	chr5	79734392	79734493	NR_146174.2	0.000066	+	79734392	79734493	101,
peak7651	1.09	5.88844E-05	0.001071519	9.71	4.89779E-06	2.88403E-05	chr5	96215637	96219518	NM_022350.5	0.0000049	+	96215637	96219518	327,23,
peak7653	1.59	9.77237E-05	0.001548817	37.6	2.18776E-07	1.86209E-06	chr5	96315145	96315496	NM_005575.3	0.00000022	+	96315145	96315496	351,
peak7654	3.85	1.94984E-05	0.000489779	6	0.00042658	0.00162181	chr5	96364528	96364729	NM_005575.3	0.00043	+	96364528	96364729	201,
peak7655	1.74	7.76247E-05	0.00128825	33.8	1.09648E-07	1.04713E-06	chr5	96315146	96315497	NM_175920.4	0.00000011	+	96315146	96315497	351,
peak7656	3.85	1.94984E-05	0.000489779	6	0.000371535	0.00144544	chr5	96364529	96364729	NM_175920.4	0.00037	+	96364529	96364729	200,
peak7657	1.76	0.000645654	0.006025596	48.2	0.008128305	0.02630268	chr5	98129161	98129262	NM_001366510.1	0.0081	+	98129161	98129262	101,
peak7658	1.65	0.000676083	0.006309573	43.4	0.011220185	0.036307805	chr5	98129158	98129259	NM_001366509.1	0.011	+	98129158	98129259	101,
peak7659	1.68	0.001380384	0.010471285	45	0.014453498	0.046773514	chr5	98129157	98129258	NM_001366511.1	0.014	+	98129157	98129258	101,
peak7678	3.79	1.8197E-06	7.58578E-05	14.3	0.000380189	0.001479108	chr5	112179444	112179844	NM_001127511.3	0.00038	+	112179444	112179844	400,
peak7680	1.65	0.003019952	0.018197009	10.4	0.001348963	0.004786301	chr5	112174387	112174588	NM_001354895.2	0.0013	+	112174387	112174588	201,
peak7703	3.64	6.91831E-07	3.63078E-05	14.6	2.39883E-05	0.00011749	chr5	112179487	112179838	NM_001354902.2	0.000024	+	112179487	112179838	351,
peak7711	3.77	7.4131E-07	3.71535E-05	14.3	0.000239883	0.000954993	chr5	112179446	112179845	NM_000038.6	0.00024	+	112179446	112179845	399,
peak7715	3.26	0.001	0.008317638	6.9	0.003467369	0.012022644	chr5	112176554	112176655	NM_001127510.3	0.0035	+	112176554	112176655	101,
peak7726	3.77	7.4131E-07	3.71535E-05	14.3	5.01187E-06	2.88403E-05	chr5	112179445	112179844	NM_001354896.2	0.000005	+	112179445	112179844	399,
peak7729	3.27	0.000912011	0.007762471	6.9	0.004897788	0.016218101	chr5	112176556	112176657	NM_001354898.2	0.0049	+	112176556	112176657	101,
peak7732	3.69	1.65959E-06	7.07946E-05	14.3	5.12861E-06	2.95121E-05	chr5	112179445	112179844	NM_001354898.2	0.0000051	+	112179445	112179844	399,
peak7735	3.06	0.003467369	0.019952623	8.11	7.76247E-06	4.2658E-05	chr5	112176551	112176751	NM_001354899.2	0.0000078	+	112176551	112176751	200,
peak7746	3.77	7.4131E-07	3.71535E-05	14.3	0.000524807	0.001995262	chr5	112179446	112179845	NM_001354900.2	0.00052	+	112179446	112179845	399,
peak7755	3.74	7.4131E-07	3.71535E-05	14.3	0.000588844	0.002187762	chr5	112179447	112179846	NM_001354901.2	0.00059	+	112179447	112179846	399,
peak7760	3.74	7.4131E-07	3.71535E-05	14.3	6.45645E-06	3.71535E-05	chr5	112179447	112179846	NM_001354903.2	0.0000065	+	112179447	112179846	399,
peak7768	3.77	7.4131E-07	3.71535E-05	14.3	0.000281838	0.001122018	chr5	112179446	112179845	NM_001354904.2	0.00028	+	112179446	112179845	399,
peak7770	1.65	0.003019952	0.018197009	10.4	9.54993E-05	0.00040738	chr5	112174387	112174588	NM_001354905.2	0.000095	+	112174387	112174588	201,
peak8015	1.96	0.002089296	0.013803843	16.9	6.60693E-05	0.000295121	chr5	139876222	139876673	NM_017747.3	0.000066	+	139876222	139876673	451,
peak8019	2.43	0.001318257	0.01	14.1	0.000109648	0.000467735	chr5	139946501	139946602	NM_080670.3	0.00011	+	139946501	139946602	101,
peak8058	2.95	0.003019952	0.018197009	5.57	0.000301995	0.001174898	chr5	149340519	149357317	NM_000112.4	0.0003	+	149340519	149357317	23,127,
peak8063	1.49	0.003548134	0.020417379	1.9	0.005128614	0.017378008	chr5	149776401	149778013	NM_001135243.1	0.0051	+	149776401	149778013	4,97,
peak8073	1.66	3.80189E-05	0.000794328	90.4	1.99526E-11	6.16595E-10	chr5	153432573	153433372	NM_001242336.2	2E-11	+	153432573	153433372	799,
peak8075	1.77	0.000223872	0.002754229	86.6	5.01187E-11	1.51356E-09	chr5	153432571	153433370	NM_005927.5	5E-11	+	153432571	153433370	799,
peak8087	2.42	0.000776247	0.00691831	1.22	6.76083E-05	0.000301995	chr5	154194625	154194726	NM_001367713.1	0.000068	+	154194625	154194726	101,
peak8100	2.33	0.001202264	0.009549926	1.22	6.76083E-05	0.000301995	chr5	154194626	154194726	NM_001367715.1	0.000068	+	154194626	154194726	100,
peak8107	2.11	0.001995262	0.013489629	1.36	0.000114815	0.000489779	chr5	154194625	154194725	NM_001367716.1	0.00011	+	154194625	154194725	100,
peak8114	2.03	0.003019952	0.018197009	1.36	3.31131E-05	0.000158489	chr5	154194624	154194725	NM_001367717.1	0.000033	+	154194624	154194725	101,
peak8123	2.36	0.001047129	0.00851138	1.5	1.1749E-05	6.16595E-05	chr5	154194621	154194722	NM_033551.3	0.000012	+	154194621	154194722	101,
peak8137	2.36	0.001380384	0.01023293	2.42	2.88403E-05	0.000138038	chr5	162939094	162940603	NM_182796.2	0.000029	+	162939094	162940603	108,43,
peak8174	1.63	0.003981072	0.021877616	6.5	6.30957E-06	3.54813E-05	chr5	176468833	176477718	NM_001363713.1	0.0000063	+	176468833	176477718	38,145,15,
peak8178	3.19	7.76247E-10	7.24436E-08	44.2	6.0256E-05	0.000275423	chr5	176636647	176637248	NM_172349.2	0.00006	+	176636647	176637248	601,

peak8184	1.07	0.000288403	0.003311311	71.3	2.0893E-09	3.63078E-08	chr5	176720865	176722565	NM_172349.2	2.1E-09	+	176720865	176722565	1700,
peak8186	1.02	0.002754229	0.016982437	30	5.24807E-06	3.0903E-05	chr5	176562365	176562916	NM_022455.4	0.0000052	+	176562365	176562916	551,
peak8193	1.09	0.000562341	0.005495409	76.3	7.58578E-09	1.07152E-07	chr5	176720872	176722570	NM_022455.4	7.6E-09	+	176720872	176722570	1698,
peak8201	1.08	0.000512861	0.005128614	76.2	4.0738E-09	6.30957E-08	chr5	176720869	176722569	NM_001365684.1	4.1E-09	+	176720869	176722569	1700,
peak8234	2.43	0.000131826	0.001862087	11.1	3.63078E-10	8.12831E-09	chr5	476476	477498	NM_004174.4	3.6E-10	-	476476	477498	17,130,52,
peak8252	1.24	8.91251E-06	0.000263027	30.7	9.12011E-09	1.28825E-07	chr5	14710826	14711374	NM_054027.6	9.1E-09	-	14710826	14711374	548,
peak8263	1.1	0.001513561	0.011220185	3.5	0.001348963	0.004786301	chr5	31515113	31515314	NM_013235.5	0.0013	-	31515113	31515314	201,
peak8266	1.07	0.000223872	0.002754229	9.14	8.12831E-08	8.12831E-07	chr5	33527224	33527375	NM_001324512.2	0.000000081	-	33527224	33527375	151,
peak8272	1.65	6.45654E-05	0.001148154	130	1.65959E-09	3.01995E-08	chr5	35065067	35065466	NM_001204314.2	1.7E-09	-	35065067	35065466	399,
peak8274	1.17	1.31826E-06	6.0256E-05	117	3.01995E-09	4.89779E-08	chr5	35065088	35066136	NM_000949.7	0.000000003	-	35065088	35066136	1048,
peak8275	1.56	0.001862087	0.012882496	23.8	2.75423E-06	1.7378E-05	chr5	35065238	35066053	NM_001204315.1	0.0000028	-	35065238	35066053	240,3,
peak8293	2.49	0.001659587	0.012022644	6.71	1.90546E-09	3.38844E-08	chr5	43298715	43298915	NM_001324220.2	1.9E-09	-	43298715	43298915	200,
peak8295	1.96	0.002630268	0.016595869	2.17	0.000316228	0.001258925	chr5	43534980	43535643	NM_183323.2	0.00032	-	43534980	43535643	92,8,
peak8299	6.55	6.45654E-05	0.001148154	15.7	3.63078E-05	0.00017378	chr5	54527227	54527327	NR_125348.1	0.000036	-	54527227	54527327	100,
peak8300	6.33	0.000489779	0.004897788	17.9	4.46684E-05	0.000204174	chr5	54527222	54527320	NM_021147.5	0.000045	-	54527222	54527320	98,
peak8301	6.59	7.07946E-05	0.001230269	15.7	2.5704E-05	0.000125893	chr5	54527228	54527329	NR_125346.1	0.000026	-	54527228	54527329	101,
peak8302	6.45	0.000251189	0.003019952	20.1	1.8197E-05	9.33254E-05	chr5	54527225	54527324	NR_125347.1	0.000018	-	54527225	54527324	99,
peak8336	5.92	6.91831E-10	6.45654E-08	10.7	1.44544E-07	1.34896E-06	chr5	58270260	58270710	NM_001197223.2	0.000000014	-	58270260	58270710	450,
peak8341	5.39	1.94984E-08	1.54882E-06	10.7	1.69824E-07	1.54882E-06	chr5	58270261	58270712	NM_001364603.1	0.000000017	-	58270261	58270712	451,
peak8418	1.84	0.000489779	0.004897788	9	8.91251E-06	4.7863E-05	chr5	114604594	114607160	NM_152549.2	0.0000089	-	114604594	114607160	103,96,251,
peak8419	1.84	0.000489779	0.004897788	9	3.46737E-05	0.000165959	chr5	114604595	114607159	NM_001040440.3	0.000035	-	114604595	114607159	102,96,250,
peak8450	3.42	2.5704E-07	1.54882E-05	32.5	0.000131826	0.000562341	chr5	130766653	130766903	NM_001164386.2	0.00013	-	130766653	130766903	250,
peak8454	3.09	4.67735E-05	0.000912011	32	5.12861E-06	3.01995E-05	chr5	130764823	130766916	NM_016340.6	0.0000051	-	130764823	130766916	86,365,
peak8459	2.44	2.04174E-06	8.31764E-05	15.3	1.31826E-05	6.91831E-05	chr5	131008241	131008540	NM_133372.3	0.000013	-	131008241	131008540	299,
peak8501	2.96	0.001584893	0.011481536	5.18	3.38844E-08	3.89045E-07	chr5	137843224	137843573	NM_001282185.1	0.000000034	-	137843224	137843573	349,
peak8507	2.86	6.0256E-05	0.001096478	5.18	1.09648E-07	1.04713E-06	chr5	137843226	137843525	NM_001256302.2	0.000000011	-	137843226	137843525	299,
peak8511	3.3	6.60693E-06	0.00020893	4.94	0.003090295	0.010471285	chr5	137843315	137843514	NM_001291975.2	0.0031	-	137843315	137843514	199,
peak8513	3.31	5.62341E-06	0.000186209	5.26	0.002187762	0.007585776	chr5	137843316	137843515	NM_001364160.2	0.0022	-	137843316	137843515	199,
peak8515	2.86	6.0256E-05	0.001096478	5.18	4.2658E-08	4.67735E-07	chr5	137843226	137843525	NM_004730.4	0.000000043	-	137843226	137843525	299,
peak8520	2.98	0.00047863	0.004786301	4.39	2.75423E-07	2.34423E-06	chr5	137843279	137843529	NR_157090.2	0.000000028	-	137843279	137843529	250,
peak8541	2.2	0.000691831	0.006309573	18.5	3.63078E-10	8.12831E-09	chr5	141244432	141245668	NM_001278615.1	3.6E-10	-	141244432	141245668	560,32,
peak8550	2.92	0.000954993	0.008128305	22.5	0.004365158	0.014791084	chr5	141334898	141335098	NM_016580.3	0.0044	-	141334898	141335098	200,
peak8628	2.96	0.004265795	0.023442288	4.14	2.88403E-05	0.000138038	chr5	158630639	158634557	NM_001199382.1	0.000029	-	158630639	158634557	25,75,
peak8630	2.96	0.001202264	0.009332543	2.85	0.000354813	0.001380384	chr5	158630636	158634834	NM_144726.2	0.00035	-	158630636	158634834	28,72,
peak8632	3.38	0.001698244	0.012022644	4.75	0.003715352	0.002589254	chr5	158630653	158634982	NM_001199381.2	0.0037	-	158630653	158634982	11,90,
peak8638	1.95	0.000489779	0.004897788	3.12	4.2658E-05	0.000199526	chr5	167993138	167995667	NM_024594.4	0.000043	-	167993138	167995667	133,17,
peak8657	1.12	0.003311311	0.019498446	18.3	1.65959E-06	1.12202E-05	chr5	172195687	172195786	NM_004417.4	0.0000017	-	172195687	172195786	99,
peak8679	2.19	1.41254E-05	0.000380189	1.75	0.005888437	0.019498446	chr5	179315242	179318408	NM_015043.4	0.0059	-	179315242	179318408	70,30,
peak8710	1.89	0.000338844	0.003715352	54.3	4.7863E-06	2.81838E-05	chr5	180277819	180278413	NM_001172638.1	0.0000048	-	180277819	180278413	594,
peak8718	2.81	0.000158489	0.002187762	25.5	2.29087E-05	0.000112202	chr6	3114072	3114173	NM_001317061.3	0.000023	+	3114072	3114173	101,
peak8721	2.82	0.000229087	0.002818383	24.9	6.76083E-05	0.000301995	chr6	3114078	3114178	NM_001354931.2	0.000068	+	3114078	3114178	100,
peak8724	2.82	0.000229087	0.002818383	24.9	7.24436E-05	0.000323594	chr6	3114077	3114177	NM_001354932.2	0.000072	+	3114077	3114177	100,
peak8727	2.89	7.07946E-05	0.001230269	24.2	7.94328E-06	4.36516E-05	chr6	3114032	3114181	NM_003804.6	0.0000079	+	3114032	3114181	149,
peak8730	2.93	7.4131E-05	0.001258925	23.5	6.91831E-06	3.89045E-05	chr6	3114030	3114180	NM_001354934.2	0.0000069	+	3114030	3114180	150,
peak8733	2.78	0.000158489	0.002137962	24.5	6.60693E-05	0.000295121	chr6	3114073	3114174	NM_001354930.2	0.000066	+	3114073	3114174	101,
peak8736	2.53	0.0001	0.001548817	24	1.54882E-05	7.94328E-05	chr6	3114035	3114184	NM_001354933.2	0.000015	+	3114035	3114184	149,
peak8778	2.7	0.000707946	0.006606934	11.7	0.005370318	0.017782794	chr6	15520337	15520438	NM_004973.4	0.0054	+	15520337	15520438	101,
peak8782	2.06	9.12011E-05	0.001479108	7.55	0.001258925	0.004570882	chr6	15520323	15520474	NM_001267040.1	0.0013	+	15520323	15520474	151,
peak8787	4.09	0.000141254	0.001995262	8.37	3.23594E-07	2.69153E-06	chr6	20483071	20488348	NM_001243076.2	0.00000032	+	20483071	20488348	80,115,5,
peak8788	1.59	0.000263027	0.003090295	8.5	3.23594E-07	2.69153E-06	chr6	20488446	20491012	NM_001243076.2	0.00000032	+	20488446	20491012	33,614,
peak8867	1.69	0.004168694	0.022908677	6.42	0.00047863	0.001819701	chr6	36454727	36455077	NR_104480.2	0.00048	+	36454727	36455077	350,
peak8879	4.6	0.003090295	0.018197009	7	2.63027E-06	1.65959E-05	chr6	37336831	37336931	NM_003958.4	0.0000026	+	37336831	37336931	100,
peak8881	4.94	0.000177828	0.002344229	7	9.77237E-07	7.07946E-06	chr6	37336830	37336980	NM_183078.3	0.00000098	+	37336830	37336980	150,
peak8888	2.62	0.00057544	0.005623413	8.88	1.8197E-07	1.62181E-06	chr6	41066508	41066758	NM_021705.4	0.00000018	+	41066508	41066758	250,
peak8945	2.37	0.001258925	0.009772372	7	8.70964E-05	0.000380189	chr6	57012508	57012808	NM_015555.2	0.000087	+	57012508	57012808	300,
peak8949	2.33	0.001698244	0.012022644	7.06	0.000138038	0.000588844	chr6	57012513	57012813	NM_001031623.3	0.00014	+	57012513	57012813	300,
peak8953	2.71	0.001148154	0.009120108	2.82	6.91831E-08	7.07946E-07	chr6	64412428	64413475	NM_001290259.2	0.000000069	+	64412428	64413475	101,50,

peak8964	2.66	0.003388442	0.019498446	2.47	1.14815E-08	1.54882E-07	chr6	64412438	64413485	NM_001370349.2	0.000000011	+	64412438	64413485	91,60,
peak9007	3.14	4.57088E-05	0.000891251	3.33	4.7863E-06	2.81838E-05	chr6	87968219	87968370	NM_001351444.2	0.0000048	+	87968219	87968370	151,
peak9020	3.77	1.47911E-05	0.000398107	2.48	4.16869E-06	2.51189E-05	chr6	87968216	87968367	NM_015021.3	0.0000042	+	87968216	87968367	151,
peak9030	2.28	0.000524807	0.005248075	12	1.69824E-05	8.70964E-05	chr6	96034521	96044624	NM_024641.4	0.000017	+	96034521	96044624	338,12,
peak9084	2.33	0.002511886	0.015848932	29.8	5.7544E-07	4.36516E-06	chr6	126210649	126210999	NM_001199619.2	0.00000058	+	126210649	126210999	350,
peak9090	2.4	0.001023293	0.008317638	33.8	1.86209E-05	9.33254E-05	chr6	126210656	126211006	NM_001122842.3	0.000019	+	126210656	126211006	350,
peak9131	4.17	0.004677351	0.024547089	1.43	2.34423E-07	2.04174E-06	chr6	142539730	142539831	NM_016485.5	0.00000023	+	142539730	142539831	101,
peak9146	1.11	5.88844E-05	0.001071519	6.37	1.20226E-07	1.14815E-06	chr6	144033209	144086446	NM_001100166.2	0.00000012	+	144033209	144086446	111,81,159,49,
peak9161	1.33	1.1749E-06	5.49541E-05	4.91	2.95121E-07	2.45471E-06	chr6	144033207	144086444	NM_001100165.2	0.0000003	+	144033207	144086444	113,81,159,47,
peak9293	2.11	0.000416869	0.004365158	22.2	2.5704E-10	6.16595E-09	chr6	158733994	158734244	NM_001007466.3	2.6E-10	+	158733994	158734244	250,
peak9296	2.68	0.000213796	0.002691535	2.17	3.89045E-07	3.16228E-06	chr6	158910669	158914610	NM_001007466.3	0.00000039	+	158910669	158914610	95,6,
peak9300	2.14	0.000346737	0.003890451	22.2	1.09648E-10	2.95121E-09	chr6	158733995	158734245	NM_020245.5	1.1E-10	+	158733995	158734245	250,
peak9390	2.46	0.000151356	0.002137962	3.4	0.008709636	0.028183829	chr6	3271556	3271707	NR_104448.1	0.0087	-	3271556	3271707	151,
peak9393	2.55	0.001071519	0.008709636	3.86	0.014125375	0.045708819	chr6	3271553	3271654	NM_015482.1	0.014	-	3271553	3271654	101,
peak9404	1.29	0.004570882	0.024547089	29.9	1.09648E-09	2.0893E-08	chr6	11185474	11185874	NM_001271033.1	1.1E-09	-	11185474	11185874	400,
peak9444	1.05	8.12831E-06	0.000251189	13.7	2.23872E-09	3.80189E-08	chr6	35837324	35840394	NR_034069.1	2.2E-09	-	35837324	35840394	354,214,26,55,
peak9469	3.12	0.004786301	0.025118864	7.75	6.76083E-06	3.80189E-05	chr6	44268066	44268167	NM_020745.4	0.0000068	-	44268066	44268167	101,
peak9474	1.51	0.001412538	0.010471285	14.5	3.46737E-07	2.88403E-06	chr6	52129107	52129256	NM_001270472.3	0.00000035	-	52129107	52129256	149,
peak9477	1.51	0.001412538	0.010471285	14.5	2.51189E-07	2.13796E-06	chr6	52129107	52129256	NM_001366373.2	0.00000025	-	52129107	52129256	149,
peak9535	1.72	0.002187762	0.014454398	39.3	7.76247E-08	7.76247E-07	chr6	75893021	75893172	NM_004370.6	0.000000078	-	75893021	75893172	151,
peak9582	3.77	0.002691535	0.016595869	7.64	6.60693E-05	0.000295121	chr6	90353615	90353766	NM_014611.3	0.000066	-	90353615	90353766	151,
peak9597	2.99	1E-16	1.58489E-14	42.5	5.7544E-06	3.31131E-05	chr6	99728891	99729242	NR_144463.2	0.0000058	-	99728891	99729242	351,
peak9640	2.76	0.001047129	0.00851138	2.8	0.000158489	0.000660693	chr6	101296436	101311992	NM_006828.4	0.00016	-	101296436	101311992	147,53,
peak9645	1.81	0.002290868	0.014791084	5.55	0.004570882	0.015135612	chr6	108243052	108246110	NM_007214.5	0.0046	-	108243052	108246110	61,89,
peak9655	5.46	2.5704E-07	1.54882E-05	8.5	4.67735E-05	0.0002818776	chr6	110935529	110935730	NM_015076.5	0.000047	-	110935529	110935730	201,
peak9682	2.13	0.000275423	0.003162278	5.94	1.62181E-06	1.09648E-05	chr6	114262898	114264584	NM_001527.4	0.0000016	-	114262898	114264584	31,70,
peak9683	2.35	5.01187E-05	0.000954993	5.85	9.77237E-07	7.07946E-06	chr6	114262880	114264616	NR_033441.2	0.00000098	-	114262880	114264616	49,102,
peak9684	2.62	0.000138038	0.001949845	6.87	8.51138E-06	4.67735E-05	chr6	114262240	114264644	NR_073443.1	0.0000085	-	114262240	114264644	12,58,130,
peak9756	2.92	0.001318257	0.01	10.7	0.004466836	0.015135612	chr6	136742873	136847005	NM_001198611.1	0.0045	-	136742873	136847005	64,36,
peak9759	3.1	0.000524807	0.005128614	10.2	0.003890451	0.013182567	chr6	136742875	136847007	NM_001198614.1	0.0039	-	136742875	136847007	62,38,
peak9762	2.65	0.00018197	0.002398833	6.38	0.002511886	0.008709636	chr6	136742883	136847545	NM_001198618.1	0.0025	-	136742883	136847545	54,46,
peak9771	2.49	0.001122018	0.009120108	13.7	0.000281838	0.001122018	chr6	136742867	136871510	NM_001198617.1	0.00028	-	136742867	136871510	70,31,
peak9783	2.19	3.0903E-06	0.00011749	10.4	4.67735E-05	0.000218776	chr6	138752949	138753696	NM_001144060.2	0.000047	-	138752949	138753696	747,
peak9787	3.41	1.51356E-05	0.000398107	8.2	0.000398107	0.001513561	chr6	138753308	138753559	NM_020464.2	0.0004	-	138753308	138753559	251,
peak9792	1.74	0.001412538	0.010471285	25.6	5.7544E-06	3.31131E-05	chr6	143095692	143095943	NM_006734.4	0.0000058	-	143095692	143095943	251,
peak9804	2.49	0.000758578	0.00676083	12.3	6.91831E-06	3.89045E-05	chr6	146264496	146264844	NM_001370328.1	0.0000069	-	146264496	146264844	348,
peak9805	1.45	0.002818383	0.017378008	19.2	8.51138E-05	0.000371535	chr6	149983024	149983324	NR_073033.1	0.000085	-	149983024	149983324	300,
peak9811	1.99	8.51138E-05	0.001380384	19.2	1.94984E-06	1.28825E-05	chr6	149983065	149983315	NM_001350339.2	0.0000019	-	149983065	149983315	250,
peak9817	1.99	8.51138E-05	0.001380384	19.2	2.39883E-06	1.54882E-05	chr6	149983066	149983315	NM_001350340.2	0.0000024	-	149983066	149983315	249,
peak9823	2.04	0.001096478	0.008912509	19.2	1.1749E-05	6.30957E-05	chr6	149983019	149983318	NM_001350392.2	0.000012	-	149983019	149983318	299,
peak9829	2.03	0.001513561	0.011220185	19.2	8.91251E-06	4.7863E-05	chr6	149983018	149983318	NM_004690.4	0.0000089	-	149983018	149983318	300,
peak9881	2.18	4.0738E-05	0.000831764	1.68	3.23594E-05	0.000154882	chr7	878503	881610	NM_001367687.1	0.000032	+	878503	881610	120,28,
peak9883	2.1	0.000154882	0.002137962	1.35	0.001479108	0.005248075	chr7	878503	878603	NM_001171944.2	0.0015	+	878503	878603	100,
peak9885	2.19	0.00042658	0.004466836	1.52	0.001737801	0.00616595	chr7	878504	878604	NM_001367633.1	0.0017	+	878504	878604	100,
peak9889	2.26	0.000416869	0.004365158	1.52	0.005370318	0.017782794	chr7	878504	878605	NM_001367635.1	0.0054	+	878504	878605	101,
peak9891	2.47	2.18776E-05	0.000524807	1.78	0.004786301	0.015848932	chr7	878502	881611	NM_001367636.1	0.0048	+	878502	881611	121,29,
peak9895	2.14	6.76083E-05	0.001174898	1.35	0.004570882	0.015488166	chr7	878504	881612	NM_001367643.1	0.0046	+	878504	881612	119,30,
peak9896	2.47	2.18776E-05	0.000524807	1.78	0.000190546	0.000776247	chr7	878502	881611	NM_001367647.1	0.00019	+	878502	881611	121,29,
peak9898	2.61	9.12011E-05	0.00144544	1.86	6.16595E-06	3.54813E-05	chr7	878513	878614	NM_001367651.1	0.0000062	+	878513	878614	101,
peak9900	2.26	0.000416869	0.004365158	1.52	8.70964E-05	0.000380189	chr7	878504	878605	NM_001367653.1	0.000087	+	878504	878605	101,
peak9902	2.47	2.18776E-05	0.000524807	1.78	0.000676083	0.002570396	chr7	878502	881611	NM_001367658.1	0.00068	+	878502	881611	121,29,
peak9904	2.47	2.18776E-05	0.000524807	1.78	4.2658E-07	3.8844E-06	chr7	878502	881611	NM_001367662.1	0.00000043	+	878502	881611	121,29,
peak9907	2.19	0.00042658	0.004466836	1.52	8.70964E-05	0.000380189	chr7	878504	878604	NM_001367665.1	0.000087	+	878504	878604	100,
peak9910	2.51	4.0738E-06	0.000144544	1.78	1.47911E-07	1.38038E-06	chr7	878502	881610	NM_001367668.1	0.00000015	+	878502	881610	121,28,
peak9913	2.47	2.18776E-05	0.000524807	1.78	4.16869E-06	2.45471E-05	chr7	878502	881611	NM_001367670.1	0.0000042	+	878502	881611	121,29,
peak9916	2.49	1.90546E-05	0.00047863	1.78	5.01187E-08	5.37032E-07	chr7	878503	878604	NM_001367673.1	0.00000005	+	878503	878604	101,
peak9918	2.19	0.00042658	0.004466836	1.52	0.001122018	0.004073803	chr7	878504	878604	NM_001367674.1	0.0011	+	878504	878604	100,

peak9920	2.19	0.00042658	0.004466836	1.52	0.001	0.003630781	chr7	878504	878604	NM_001367675.1	0.001	+	878504	878604	100,
peak9921	2.26	0.000416869	0.004365158	1.52	0.000870964	0.003235937	chr7	878504	878605	NM_001367677.1	0.00087	+	878504	878605	101,
peak9923	2.1	0.000154882	0.002137962	1.35	2.0893E-05	0.000104713	chr7	878504	878604	NM_001367678.1	0.000021	+	878504	878604	100,
peak9924	2.49	1.90546E-05	0.00047863	1.78	1.34896E-07	1.25893E-06	chr7	878503	878604	NM_001367680.1	0.00000013	+	878503	878604	101,
peak9926	2.47	2.18776E-05	0.000524807	1.78	6.76083E-05	0.000301995	chr7	878502	881611	NM_001367681.1	0.000068	+	878502	881611	121,29,
peak9929	2.49	1.90546E-05	0.00047863	1.78	3.63078E-05	0.00017378	chr7	878503	878604	NM_001367686.1	0.000036	+	878503	878604	101,
peak9932	2.14	6.76083E-05	0.001174898	1.35	0.000144544	0.000616595	chr7	878504	881612	NM_001367690.1	0.00014	+	878504	881612	119,30,
peak9933	2.51	4.0738E-06	0.000144544	1.78	0.000229087	0.000933254	chr7	878502	881610	NM_001367691.1	0.00023	+	878502	881610	121,28,
peak9935	2.19	0.00042658	0.004466836	1.52	6.60693E-07	5.01187E-06	chr7	878504	878604	NM_001367693.1	0.00000066	+	878504	878604	100,
peak9937	2.1	0.000154882	0.002137962	1.35	6.91831E-06	3.89045E-05	chr7	878504	878604	NM_001367694.1	0.0000069	+	878504	878604	100,
peak9939	2.14	6.76083E-05	0.001174898	1.35	0.000001	7.24436E-06	chr7	878504	881612	NM_001367697.1	0.000001	+	878504	881612	119,30,
peak9942	2.19	0.00042658	0.004466836	1.52	0.008317638	0.027542287	chr7	878504	878604	NM_001367699.1	0.0083	+	878504	878604	100,
peak9945	2.48	6.45654E-05	0.001148154	1.78	0.001202264	0.004365158	chr7	878502	878602	NM_001367701.1	0.0012	+	878502	878602	100,
peak9950	2.51	4.0738E-06	0.000144544	1.78	0.012589254	0.040738028	chr7	878502	881610	NM_001367706.1	0.013	+	878502	881610	121,28,
peak9952	2.47	2.18776E-05	0.000524807	1.78	3.98107E-05	0.000186209	chr7	878502	881611	NM_025154.6	0.00004	+	878502	881611	121,29,
peak9954	2.1	0.000154882	0.002137962	1.35	0.000457088	0.001737801	chr7	878504	878604	NR_160281.1	0.00046	+	878504	878604	100,
peak9955	2.19	0.00042658	0.004466836	1.52	5.88844E-05	0.000263027	chr7	878504	878604	NR_160283.1	0.000059	+	878504	878604	100,
peak9974	1.3	0.001513561	0.011220185	23.4	4.36516E-05	0.000204174	chr7	4806375	4807125	NM_001037165.2	0.000044	+	4806375	4807125	750,
peak10013	6.68	0.000489779	0.004897788	4.8	0.001148154	0.018197009	chr7	21550707	21550807	NM_001326542.2	0.0011	+	21550707	21550807	100,
peak10016	5.83	0.000776247	0.00691831	3.4	0.002089296	0.031622777	chr7	21550694	21550795	NM_001326543.2	0.0021	+	21550694	21550795	101,
peak10183	1.38	0.002951209	0.018197009	3.8	0.001122018	0.004073803	chr7	77200480	77212922	NM_001131008.2	0.0011	+	77200480	77212922	23,77,51,
peak10206	4.04	5.12861E-05	0.000977237	6.4	0.001548817	0.005495409	chr7	91632047	91632247	NM_005751.4	0.0015	+	91632047	91632247	200,
peak10256	6.32	2.51189E-05	0.000588844	2	4.67735E-08	5.01187E-07	chr7	99170551	99170651	NM_138494.3	0.000000047	+	99170551	99170651	100,
peak10257	6.27	2.95121E-05	0.000606693	1.88	0.000346737	0.001348963	chr7	99170553	99170653	NM_001009960.1	0.00035	+	99170553	99170653	100,
peak10258	6.32	2.51189E-05	0.000588844	2	0.000354813	0.001380384	chr7	99170548	99170649	NM_001085368.1	0.00035	+	99170548	99170649	101,
peak10260	6.32	2.51189E-05	0.000588844	2	0.000288403	0.001122018	chr7	99170552	99170652	NM_001363332.1	0.00029	+	99170552	99170652	100,
peak10275	2.85	3.98107E-05	0.000812831	7.4	0.000346737	0.001348963	chr7	99633974	99634125	NM_001287055.2	0.00035	+	99633974	99634125	151,
peak10283	2.87	3.23594E-05	0.000707946	7.4	0.000977237	0.003630781	chr7	99633972	99634122	NM_001287054.3	0.00098	+	99633972	99634122	150,
peak10290	3.08	1.86209E-05	0.000467735	7.65	0.001949845	0.00691831	chr7	99633933	99634133	NM_001346580.2	0.0019	+	99633933	99634133	200,
peak10297	2.37	7.4131E-06	0.000229087	7.91	0.002290868	0.007943282	chr7	99633977	99634128	NM_001346581.2	0.0023	+	99633977	99634128	151,
peak10304	2.69	5.62341E-05	0.001047129	9.88	0.003801894	0.012882496	chr7	99634038	99634138	NM_003439.4	0.0038	+	99634038	99634138	100,
peak10311	2.38	0.000630957	0.006025596	9.88	0.00144544	0.005128614	chr7	99634037	99634138	NR_144477.2	0.0014	+	99634037	99634138	101,
peak10350	2.44	0.003548134	0.020417379	15.5	8.91251E-08	8.70964E-07	chr7	102087433	102088033	NM_032831.4	0.000000089	+	102087433	102088033	600,
peak10365	2.25	0.00017378	0.002290868	13.7	1E-13	6.30957E-12	chr7	107398628	107399575	NM_001284291.1	1E-13	+	107398628	107399575	947,
peak10366	2.2	0.00162181	0.011748976	13.5	6.30957E-15	6.30957E-15	chr7	107398646	107399588	NR_024199.2	6.3E-15	+	107398646	107399588	942,
peak10367	2.15	0.00040738	0.004365158	13.2	3.98107E-13	2.51189E-11	chr7	107398623	107399621	NM_024814.4	4E-13	+	107398623	107399621	998,
peak10397	1.61	0.002691535	0.016982437	3.18	6.60693E-05	0.000295121	chr7	132959825	132973774	NM_021807.4	0.000066	+	132959825	132973774	101,99,
peak10432	4.18	3.01995E-05	0.000676083	7	1.02329E-05	0.000281838	chr7	150028026	150028324	NM_138434.2	0.00001	+	150028026	150028324	298,
peak10464	7.34	3.71535E-07	2.13796E-05	8	1.62181E-07	8.31764E-06	chr7	155567744	155567994	NM_053043.3	0.00000016	+	155567744	155567994	250,
peak10493	1.68	0.003890451	0.021877616	5.36	0.001905461	0.006606934	chr7	5541072	5541272	NM_001367781.1	0.0019	-	5541072	5541272	200,
peak10539	5.56	0.001174898	0.009120108	6.75	7.94328E-06	4.46684E-05	chr7	22985406	22985507	NM_001363466.2	0.0000079	-	22985406	22985507	101,
peak10541	4.19	0.001122018	0.009120108	5.2	6.60693E-05	0.00144544	chr7	22985359	22985560	NM_032581.4	0.000066	-	22985359	22985560	201,
peak10549	1.18	0.003467369	0.019952623	1.9	0.012302688	0.039810717	chr7	37951851	37953846	NM_003014.4	0.012	-	37951851	37953846	68,32,
peak10555	2.9	0.000102329	0.001584893	16.2	3.98107E-08	4.46684E-07	chr7	42005370	42005868	NM_000168.6	0.00000004	-	42005370	42005868	498,
peak10577	2.2	3.98107E-05	0.000812831	8	0.000223872	0.000912011	chr7	50514011	50514312	NM_001287492.3	0.00022	-	50514011	50514312	301,
peak10579	2.1	3.80189E-06	0.000134896	4.75	0.000223872	0.000912011	chr7	50514611	50515894	NM_001287492.3	0.00022	-	50514611	50515894	384,16,
peak10589	1.58	0.002398833	0.015488166	24.9	1.58489E-05	8.12831E-05	chr7	55538842	55539138	NM_001321251.1	0.000016	-	55538842	55539138	296,
peak10590	1.84	5.37032E-05	0.001	5.47	0.001047129	0.003801894	chr7	55539334	55539483	NM_001321251.1	0.001	-	55539334	55539483	149,
peak10593	1.85	8.91251E-05	0.00144544	13	0.00060256	0.002290868	chr7	55538849	55539100	NM_001321242.1	0.0006	-	55538849	55539100	251,
peak10597	1.96	0.000239883	0.002884032	15.2	0.002238721	0.007762471	chr7	55538895	55539095	NM_001284284.1	0.0022	-	55538895	55539095	200,
peak10602	1.75	4.2658E-05	0.000851138	5.42	0.002089296	0.007413102	chr7	55539335	55539484	NM_001321248.1	0.0021	-	55539335	55539484	149,
peak10605	1.86	0.000162181	0.002187762	18.1	0.002290868	0.008128305	chr7	55538894	55539093	NM_001321250.1	0.0023	-	55538894	55539093	199,
peak10609	1.55	5.37032E-05	0.001023293	13	0.004365158	0.014454398	chr7	55538850	55539101	NM_001321249.1	0.0044	-	55538850	55539101	251,
peak10610	2.13	0.002137962	0.014125375	5.94	0.005623413	0.018620871	chr7	55539350	55539451	NM_001321249.1	0.0056	-	55539350	55539451	101,
peak10613	1.65	0.000446684	0.004570882	15.2	0.001122018	0.004073803	chr7	55538847	55539095	NM_001284283.2	0.0011	-	55538847	55539095	248,
peak10617	2.04	0.000162181	0.002187762	13	0.001071519	0.003890451	chr7	55538899	55539098	NM_001284282.2	0.0011	-	55538899	55539098	199,
peak10620	1.53	5.7544E-05	0.001071519	13	0.00074131	0.002754229	chr7	55538851	55539100	NM_001321243.2	0.00074	-	55538851	55539100	249,

peak10624	1.65	0.000446684	0.004570882	15.2	0.001412538	0.005011872	chr7	55538847	55539095	NM_001321246.2	0.0014	-	55538847	55539095	248,
peak10628	2.11	0.000295121	0.003388442	14.6	0.005370318	0.017782794	chr7	55538904	55539104	NM_001321247.2	0.0054	-	55538904	55539104	200,
peak10629	2.17	0.001230269	0.009549926	6.73	0.011220185	0.036307805	chr7	55539353	55539453	NM_001321247.2	0.011	-	55539353	55539453	100,
peak10632	1.73	2.69153E-06	0.000104713	16.5	1.51356E-07	1.38038E-07	chr7	55538853	55539451	NM_030796.5	0.00000015	-	55538853	55539451	598,
peak10663	2.68	0.002398833	0.015488166	3	1.69824E-10	2.63027E-08	chr7	91503775	91503975	NM_001301134.2	1.7E-10	-	91503775	91503975	200,
peak10664	4.94	0.004570882	0.024547089	3.5	9.33254E-08	5.24807E-06	chr7	91503734	91503835	NM_001301135.2	0.000000093	-	91503734	91503835	101,
peak10676	1.96	0.004073803	0.022387211	13	0.007413102	0.024547089	chr7	92762615	92762766	NM_001303496.3	0.0074	-	92762615	92762766	151,
peak10691	1.85	0.001148154	0.009120108	17.3	0.012022644	0.038904514	chr7	92761962	92762113	NM_001350083.2	0.012	-	92761962	92762113	151,
peak10696	1.85	0.000446684	0.004570882	17.3	0.011220185	0.036307805	chr7	92761964	92762115	NM_001350085.2	0.011	-	92761964	92762115	151,
peak10742	2.63	0.002041738	0.013803843	10.5	8.31764E-05	0.000363078	chr7	99758289	99758437	NM_024637.5	0.000083	-	99758289	99758437	148,
peak10825	3.03	9.77237E-06	0.000288403	11.8	9.54993E-06	5.24807E-05	chr7	135078865	135079163	NM_001190847.2	0.0000095	-	135078865	135079163	298,
peak10828	3.14	6.76083E-07	3.54813E-05	12.4	1.07152E-05	5.7544E-05	chr7	135078860	135079158	NM_013316.4	0.000011	-	135078860	135079158	298,
peak10871	1.65	0.002570396	0.016218101	23.3	2.69153E-05	0.000131826	chr7	148768410	148769201	NM_152411.4	0.000027	-	148768410	148769201	791,
peak10892	4.96	4.89779E-06	0.000165959	6.33	7.94328E-05	0.000354813	chr7	151874323	151874474	NM_170606.3	0.000079	-	151874323	151874474	151,
peak10894	2.64	0.000301995	0.003467369	4.13	0.000144544	0.00060256	chr7	151877094	151877829	NM_170606.3	0.00014	-	151877094	151877829	117,34,
peak10895	1.9	0.000794328	0.007079458	4.71	0.000144544	0.00060256	chr7	151878327	151878427	NM_170606.3	0.00014	-	151878327	151878427	100,
peak10900	1.14	0.004570882	0.024547089	7.29	8.12831E-05	0.000363078	chr7	151900036	151917745	NM_170606.3	0.000081	-	151900036	151917745	113,120,129,138,
peak10906	4.55	2.95121E-08	2.23872E-06	9.5	1.12202E-07	1.07152E-06	chr7	156474582	156474833	NM_001350954.2	0.00000011	-	156474582	156474833	251,
peak10910	1.08	0.003890451	0.021379621	4.56	0.002041738	0.007079458	chr7	156476473	156476723	NM_001350957.2	0.002	-	156476473	156476723	250,
peak10911	1.21	0.003311311	0.019498446	4.2	0.00144544	0.005248075	chr7	156476607	156476707	NM_001350958.2	0.0014	-	156476607	156476707	100,
peak10912	1.12	0.003548134	0.020417379	5.22	0.00128825	0.004570882	chr7	156476474	156476725	NM_001363410.2	0.0013	-	156476474	156476725	251,
peak10913	4.55	2.95121E-08	2.23872E-06	9.5	5.88844E-08	6.30957E-07	chr7	156474582	156474833	NM_001363411.2	0.000000059	-	156474582	156474833	251,
peak10916	4.33	2.29087E-08	1.7378E-06	9.5	7.94328E-08	7.94328E-07	chr7	156474581	156474832	NM_001363413.2	0.000000079	-	156474581	156474832	251,
peak10917	1.34	0.002754229	0.017378008	6.37	0.00018197	0.000758578	chr7	156476430	156476731	NM_001363413.2	0.00018	-	156476430	156476731	301,
peak10919	4.33	1.69824E-08	1.34896E-06	8.4	4.7863E-08	5.12861E-07	chr7	156474583	156474834	NM_022458.4	0.000000048	-	156474583	156474834	251,
peak10922	4.33	2.29087E-08	1.7378E-06	9.5	1.31826E-07	1.23027E-06	chr7	156474581	156474832	NR_146958.2	0.000000013	-	156474581	156474832	251,
peak11146	2.48	0.000114815	0.001698244	5.85	7.94328E-05	0.000346737	chr8	38704244	38705728	NM_001146216.3	0.000079	+	38704244	38705728	93,256,
peak11148	2.57	3.54813E-05	0.000758578	6.53	3.98107E-08	4.46684E-07	chr8	38704236	38705720	NM_001330521.2	0.000000004	+	38704236	38705720	101,248,
peak11150	2.48	0.001318257	0.01	6.97	2.23872E-06	1.44544E-05	chr8	38704217	38705753	NM_001352778.2	0.00000022	+	38704217	38705753	120,281,
peak11153	2.56	2.39883E-05	0.00057544	5.86	1.20226E-08	1.58489E-07	chr8	38704243	38705727	NM_001352780.2	0.000000012	+	38704243	38705727	94,255,
peak11155	2.46	6.60693E-05	0.001148154	6.48	2.29087E-08	2.75423E-07	chr8	38704235	38705719	NM_001352785.2	0.000000023	+	38704235	38705719	102,247,
peak11157	2.61	1.09648E-05	0.00030903	7.12	1.04713E-05	5.62341E-05	chr8	38704233	38705718	NM_001352786.2	0.00001	+	38704233	38705718	104,246,
peak11159	2.53	3.38844E-05	0.00074131	5.86	2.0893E-08	2.5704E-07	chr8	38704243	38705727	NM_001352787.2	0.000000021	+	38704243	38705727	94,255,
peak11161	2.48	0.000269153	0.003162278	6.82	3.63078E-06	2.23872E-05	chr8	38704219	38705754	NM_001352788.2	0.00000036	+	38704219	38705754	118,282,
peak11164	2.45	0.000812831	0.00724436	8.95	3.46737E-07	2.81838E-06	chr8	38704221	38705756	NM_001352789.2	0.000000035	+	38704221	38705756	116,284,
peak11166	2.33	0.003311311	0.019498446	6.22	2.23872E-06	1.44544E-05	chr8	38700908	38705747	NM_001352792.2	0.00000022	+	38700908	38705747	5,121,275,
peak11169	2.46	0.001023293	0.008317638	9.41	5.24807E-07	4.0738E-06	chr8	38704223	38705758	NM_001352793.2	0.000000052	+	38704223	38705758	114,286,
peak11171	2.33	0.003311311	0.019498446	6.22	1.94984E-06	1.28825E-05	chr8	38700908	38705747	NM_001352794.2	0.00000019	+	38700908	38705747	5,121,275,
peak11173	2.33	0.003311311	0.019498446	6.22	2.45471E-06	1.58489E-05	chr8	38700908	38705747	NM_001352795.2	0.00000025	+	38700908	38705747	5,121,275,
peak11175	2.45	0.000199526	0.002570396	5.94	2.5704E-08	3.01995E-07	chr8	38704238	38705722	NM_001352799.2	0.000000026	+	38704238	38705722	99,250,
peak11176	2.5	0.000281838	0.003235937	9.41	1.31826E-06	9.12011E-06	chr8	38704224	38705759	NR_148049.2	0.0000013	+	38704224	38705759	113,287,
peak11177	2.46	6.60693E-05	0.001148154	6.48	5.88844E-08	6.16595E-07	chr8	38704235	38705719	NR_148051.2	0.000000059	+	38704235	38705719	102,247,
peak11180	2.34	0.001096478	0.008912509	6.44	1.25893E-06	8.70964E-06	chr8	38700910	38705749	NM_001352782.2	0.0000013	+	38700910	38705749	3,121,277,
peak11182	2.32	4.57088E-05	0.000912011	5.41	3.98107E-08	4.46684E-07	chr8	38704239	38705723	NM_001352784.2	0.000000004	+	38704239	38705723	98,251,
peak11185	2.52	0.000213796	0.002691535	9.41	2.13796E-07	1.86209E-06	chr8	38704224	38705759	NM_001352790.2	0.000000021	+	38704224	38705759	113,287,
peak11188	2.31	0.002754229	0.016982437	8.75	4.16869E-07	3.31131E-06	chr8	38700912	38705751	NM_001352796.2	0.000000042	+	38700912	38705751	1,121,279,
peak11192	2.43	0.000891251	0.007762471	9.02	9.12011E-08	8.91251E-07	chr8	38704228	38705713	NM_001352804.2	0.000000091	+	38704228	38705713	109,241,
peak11195	2.45	0.000288403	0.003311311	6.8	1.04713E-06	7.4131E-06	chr8	38704219	38705754	NM_001122824.2	0.000001	+	38704219	38705754	118,282,
peak11198	2.33	8.51138E-05	0.001380384	6.13	1.44544E-08	1.86209E-07	chr8	38704240	38705724	NM_001352779.2	0.000000014	+	38704240	38705724	97,252,
peak11201	2.28	0.00011749	0.001737801	7.62	4.16869E-08	4.67735E-07	chr8	38704231	38705716	NM_001352781.2	0.0000000042	+	38704231	38705716	106,244,
peak11204	2.47	0.000794328	0.00691831	9.41	2.75423E-07	2.34423E-06	chr8	38704222	38705757	NM_001352780.2	0.000000028	+	38704222	38705757	115,285,
peak11205	2.55	0.000158499	0.002137962	6.82	7.07946E-07	5.37032E-06	chr8	38704220	38705755	NM_001352801.2	0.000000071	+	38704220	38705755	117,283,
peak11206	2.45	7.58578E-05	0.00128825	5.48	2.04174E-08	2.51189E-07	chr8	38704248	38705732	NM_001352803.2	0.000000002	+	38704248	38705732	89,260,
peak11209	2.39	0.000107152	0.00162181	7.58	5.01187E-08	5.37032E-07	chr8	38704231	38705715	NM_006283.3	0.000000005	+	38704231	38705715	106,243,
peak11211	2.51	4.57088E-05	0.000891251	6.48	1.58489E-08	2.04174E-07	chr8	38704235	38705719	NM_001352798.1	0.000000016	+	38704235	38705719	102,247,
peak11214	2.48	0.001318257	0.01	6.97	1.58489E-06	1.07152E-05	chr8	38704217	38705753	NM_001352791.1	0.00000016	+	38704217	38705753	120,281,
peak11221	2.29	0.004897788	0.025703958	26.4	1.09648E-10	2.95121E-09	chr8	41455831	41456432	NM_178819.4	1.1E-10	+	41455831	41456432	601,

peak11224	2.31	6.91831E-06	0.000218776	34	3.89045E-09	6.16595E-08	chr8	41455895	41456494	NM_001363197.2	3.9E-09	+	41455895	41456494	599,
peak11251	1.04	1.51356E-05	0.000398107	10	7.07946E-09	1.02329E-07	chr8	42852756	42873631	NM_032410.4	7.1E-09	+	42852756	42873631	24,35,83,101,105,72,131,
peak11264	1.17	1.99526E-13	1.99526E-11	9.47	2.95121E-08	3.46737E-07	chr8	61654072	61707622	NM_017780.4	0.00000003	+	61654072	61707622	1584,431,78,
peak11268	2.37	0.000512861	0.005011872	20.2	4.89779E-05	0.000223872	chr8	61777896	61778545	NM_017780.4	0.000049	+	61777896	61778545	649,
peak11269	2.29	4.67735E-07	2.5704E-05	10.2	0.000251189	0.001	chr8	61654115	61654762	NM_001316690.1	0.00025	+	61654115	61654762	647,
peak11308	2.47	0.000977237	0.008128305	4.43	2.23872E-10	5.49541E-09	chr8	81412019	81412169	NM_001105539.3	2.2E-10	+	81412019	81412169	150,
peak11320	3.31	8.31764E-05	0.001348963	1.88	0.012882496	0.041686938	chr8	94929273	94929373	NM_001161779.1	0.013	+	94929273	94929373	100,
peak11322	2.14	3.16228E-06	0.00011749	26.3	3.98107E-15	3.98107E-13	chr8	97345695	97346242	NM_001290225.2	4E-15	+	97345695	97346242	547,
peak11323	2.55	4.46684E-06	0.000158489	28.5	5.49541E-08	5.7544E-07	chr8	97345730	97346279	NM_014754.3	0.000000055	+	97345730	97346279	549,
peak11361	2.39	2.88403E-06	0.000109648	17.5	5.01187E-16	6.30957E-14	chr8	110576698	110577093	NM_198120.2	5E-16	+	110576698	110577093	395,
peak11362	2.46	0.000691831	0.006309573	21.6	1.99526E-10	5.01187E-09	chr8	110567086	110577084	NM_004215.5	2E-10	+	110567086	110577084	30,108,92,417,
peak11363	2.21	0.002630268	0.016595869	17.4	1.25893E-11	4.46684E-10	chr8	110567079	110577079	NM_001278938.1	1.3E-11	+	110567079	110577079	37,108,92,412,
peak11381	2.09	4.89779E-06	0.000169824	35.9	0.000776247	0.002884032	chr8	126449196	126449547	NM_025195.4	0.00078	+	126449196	126449547	351,
peak11384	1.05	1.1749E-05	0.000331131	42.2	7.94328E-15	7.94328E-13	chr8	128752666	128753411	NM_001354870.1	7.9E-15	+	128752666	128753411	745,
peak11386	1.05	1.14815E-05	0.000323594	42.2	3.16228E-16	3.98107E-14	chr8	128752666	128753411	NM_002467.6	3.2E-16	+	128752666	128753411	745,
peak11408	3.76	0.000147911	0.002041738	12.6	0.000141254	0.000588844	chr8	144732237	144732386	NM_001261843.2	0.00014	+	144732237	144732386	149,
peak11412	2.62	6.0256E-05	0.001096478	12.8	0.000891251	0.003235937	chr8	144732153	144732753	NM_014789.3	0.00089	+	144732153	144732753	600,
peak11490	2.42	0.001737801	0.012302688	6.08	0.001548817	0.005495409	chr8	16021613	16021713	NM_001363744.1	0.0015	+	16021613	16021713	100,
peak11491	2.68	0.001071519	0.008709636	5.12	0.000630957	0.002398833	chr8	16021605	16021705	NM_138715.3	0.00063	-	16021605	16021705	100,
peak11493	1.4	0.000162181	0.002187762	18.3	3.98107E-18	7.94328E-16	chr8	16026109	16026308	NM_002445.4	4E-18	-	16026109	16026308	199,
peak11519	1.06	0.002818383	0.017378008	7.07	2.75423E-09	4.57088E-08	chr8	17503478	17504568	NM_001001931.2	2.8E-09	-	17503478	17504568	170,78,
peak11528	1.06	0.001096478	0.008912509	6.24	2.75423E-05	0.000131826	chr8	17503487	17504578	NM_001001925.2	0.000028	-	17503487	17504578	161,88,
peak11568	5.51	1.09648E-05	0.00030903	20.6	0.008709636	0.028183829	chr8	18729745	18729945	NM_015310.4	0.0087	-	18729745	18729945	200,
peak11629	5.32	1.99526E-05	0.000489779	10	0.000001	7.24436E-06	chr8	33369668	33369816	NM_025115.4	0.000001	-	33369668	33369816	148,
peak11631	2.15	0.003715352	0.020892961	39.9	3.63078E-08	4.0738E-07	chr8	37732461	37732562	NM_001002814.3	0.000000036	-	37732461	37732562	101,
peak11633	2.15	0.003715352	0.020892961	39.9	1.02329E-06	7.24436E-06	chr8	37732463	37732563	NM_025151.5	0.000001	-	37732463	37732563	100,
peak11638	3.41	0.004786301	0.025118864	12	0.00020893	0.000851138	chr8	38133352	38133966	NM_023034.2	0.00021	-	38133352	38133966	48,153,
peak11728	3.55	0.000724436	0.006606934	12.5	4.36516E-06	2.63027E-05	chr8	62577863	62578063	NM_020164.5	0.0000044	-	62577863	62578063	200,
peak11729	3.55	0.000724436	0.006606934	12.5	3.80189E-06	2.34423E-05	chr8	62577867	62578067	NM_032467.4	0.0000038	-	62577867	62578067	200,
peak11731	1.25	0.002570396	0.016218101	50.6	7.94328E-15	6.30957E-13	chr8	66630863	66631713	NM_002603.4	7.9E-15	-	66630863	66631713	850,
peak11732	1.43	0.002884032	0.017378008	47.9	3.98107E-14	3.16228E-12	chr8	66630893	66631690	NM_001242318.3	4E-14	-	66630893	66631690	797,
peak11734	1.98	6.30957E-05	0.001122018	35.4	3.64737E-07	2.81838E-06	chr8	67577626	67577226	NM_025054.5	0.00000035	-	67577626	67577226	300,
peak11735	3.26	5.88844E-05	0.001071519	13.7	4.2658E-06	2.5704E-05	chr8	67577623	67577823	NM_025054.5	0.0000043	-	67577623	67577823	200,
peak11746	4.59	1E-16	1.58489E-14	14.6	1.58489E-18	3.16228E-16	chr8	75156898	75227362	NM_001363050.1	1.6E-18	-	75156898	75227362	512,119,267,
peak11748	6.55	3.98107E-07	2.23872E-05	7.75	0.000630957	0.002398833	chr8	75171693	75227150	NM_001317830.2	0.00063	-	75171693	75227150	45,55,
peak11769	3.42	0.004677351	0.025118864	4.57	0.002238721	0.033113112	chr8	81550575	81550676	NM_001033723.3	0.0022	-	81550575	81550676	101,
peak11775	1.2	0.003235937	0.019054607	9.67	1.23027E-05	6.45654E-05	chr8	81888888	81889139	NM_018440.4	0.000012	-	81888888	81889139	251,
peak11882	1.28	0.000758578	0.00676083	8.68	0.000120226	0.000512861	chr8	118811799	118811899	NM_000127.2	0.00012	-	118811799	118811899	100,
peak11895	2.07	0.000128825	0.001862087	10.9	8.12831E-08	8.12831E-07	chr8	124262472	124266316	NM_001017926.2	0.000000081	-	124262472	124266316	88,755,
peak11896	1.27	0.000794328	0.007079458	11.5	1.94984E-07	1.69824E-06	chr8	124266513	124267207	NM_001017926.2	0.000000019	-	124266513	124267207	694,
peak11897	2.33	0.001122018	0.009120108	11.5	1.94984E-07	1.69824E-06	chr8	124267305	124267752	NM_001017926.2	0.000000019	-	124267305	124267752	447,
peak11898	4.06	1.8197E-05	0.000457088	28.6	4.89779E-07	3.80189E-06	chr8	124268147	124268396	NM_001017926.2	0.00000049	-	124268147	124268396	249,
peak11900	4.49	1.1749E-07	7.76247E-06	5.79	5.7544E-07	4.46684E-06	chr8	124266133	124266334	NR_037873.1	0.000000058	-	124266133	124266334	201,
peak11901	1.29	0.003981072	0.022387211	8.75	2.04174E-07	1.77828E-06	chr8	124266532	124267181	NR_037873.1	0.00000002	-	124266532	124267181	649,
peak11902	2.17	0.001862087	0.012882496	12.7	2.04174E-07	1.77828E-06	chr8	124267280	124267730	NR_037873.1	0.00000002	-	124267280	124267730	450,
peak11903	4.02	9.12011E-05	0.001479108	19	3.98107E-07	3.16228E-06	chr8	124268178	124279529	NR_037873.1	0.00000004	-	124268178	124279529	233,17,
peak11905	4.54	1.62181E-07	1.04713E-05	3.35	2.45471E-07	2.0893E-06	chr8	124266145	124266346	NM_007222.5	0.000000025	-	124266145	124266346	201,
peak11906	1.33	0.000281838	0.003235937	11.9	3.01995E-07	2.51189E-06	chr8	124266545	124267196	NM_007222.5	0.0000003	-	124266545	124267196	651,
peak11907	2.29	0.001479108	0.010715193	12.1	3.01995E-07	2.51189E-06	chr8	124267295	124267745	NM_007222.5	0.00000003	-	124267295	124267745	450,
peak11908	4.06	5.49541E-05	0.001023293	29.1	0.000812831	0.003019952	chr8	124268144	124268395	NM_007222.5	0.00081	-	124268144	124268395	251,
peak11999	1.03	0.003019952	0.018197009	2.22	0.00128825	0.004677351	chr8	131165007	131172165	NM_001362924.1	0.0013	-	131165007	131172165	44,56,
peak12002	1.05	0.000524807	0.005128614	1.98	0.000645654	0.002398833	chr8	131165012	131172171	NM_001362925.2	0.00065	-	131165012	131172171	39,62,
peak12008	1.01	0.000524807	0.005128614	2.24	0.001659587	0.005888437	chr8	131165011	131172169	NM_018482.4	0.0017	-	131165011	131172169	40,60,
peak12022	3.71	0.002570396	0.016218101	7.14	9.33254E-06	5.01187E-05	chr8	141460937	141461288	NM_001160372.4	0.00000093	-	141460937	141461288	351,
peak12026	3.68	0.000467735	0.004677351	7.36	4.46684E-06	2.69153E-05	chr8	141449248	141461339	NM_001321646.2	0.0000045	-	141449248	141461339	48,451,
peak12029	3.69	0.002630268	0.016595869	7	4.2658E-06	2.5704E-05	chr8	141460931	141461282	NM_031466.7	0.0000043	-	141460931	141461282	351,
peak12154	1.79	6.0256E-05	0.001096478	53.5	1.90546E-10	4.7863E-09	chr8	144671295	144679536	NM_001130053.4	1.9E-10	-	144671295	144679536	956,14,19,

peak12156	1.87	6.45654E-05	0.001148154	34	5.01187E-23	1.58489E-20	chr8	144671304	144672251	NM_032378.6	5E-23	-	144671304	144672251	947,
peak12239	4.7	0.000831764	0.00724436	8.42	0.000346737	0.001348963	chr9	4860196	4860295	NM_001286700.1	0.00035	+	4860196	4860295	99,
peak12269	2.3	0.003548134	0.020417379	20.4	3.16228E-06	1.94984E-05	chr9	35547556	35547905	NM_014806.5	0.0000032	+	35547556	35547905	349,
peak12273	2.96	0.002041738	0.013803843	20	5.88844E-06	3.38844E-05	chr9	35547562	35547813	NR_052015.4	0.0000059	+	35547562	35547813	251,
peak12277	2.41	0.001819701	0.012882496	17.5	3.31131E-06	2.04174E-05	chr9	35547545	35547845	NM_001135999.1	0.0000033	+	35547545	35547845	300,
peak12293	2.95	0.003467369	0.019952623	12.5	0.003715352	0.012589254	chr9	37086918	37087018	NR_036592.1	0.0037	+	37086918	37087018	100,
peak12316	1.68	0.004365158	0.023442288	6	2.13796E-07	1.86209E-06	chr9	71866016	71866216	NM_001369870.1	0.00000021	+	71866016	71866216	200,
peak12320	2.92	0.002089296	0.013803843	8.37	1.90546E-07	1.69824E-06	chr9	71840947	71842786	NM_001369871.1	0.00000019	+	71840947	71842786	144,106,
peak12323	1.44	0.003630781	0.020417379	6.71	1.04713E-05	5.62341E-05	chr9	71865967	71866217	NM_001369871.1	0.00001	+	71865967	71866217	250,
peak12371	1.61	0.001698244	0.012022644	6.71	1.65959E-06	1.12202E-05	chr9	71865970	71866219	NM_001369875.1	0.0000017	+	71865970	71866219	249,
peak12414	2.11	0.002398833	0.015488166	3.38	3.16228E-06	1.94984E-05	chr9	91616536	91616686	NM_005226.4	0.0000032	+	91616536	91616686	150,
peak12416	2.77	0.003630781	0.020892961	2.67	3.16228E-06	0.000104713	chr9	91617780	91617881	NM_005226.4	0.0000032	+	91617780	91617881	101,
peak12447	2.48	0.000295121	0.003388442	6	1.62181E-05	0.000416869	chr9	96859933	96860233	NM_001253830.2	0.000016	+	96859933	96860233	300,
peak12448	2.49	0.00030903	0.003467369	9.5	1.20226E-05	0.000323594	chr9	96859937	96860238	NM_177995.3	0.000012	+	96859937	96860238	301,
peak12449	2.52	1.47911E-05	0.000389045	8.75	2.23872E-05	0.000562341	chr9	96859948	96860248	NM_152422.4	0.000022	+	96859948	96860248	300,
peak12460	3.72	0.000114815	0.001698244	2.82	3.63078E-05	0.000169824	chr9	101911703	101911804	NM_001130916.3	0.000036	+	101911703	101911804	101,
peak12464	3.6	5.7544E-05	0.001047129	2.04	1.99526E-05	0.0001	chr9	101911730	101911830	NM_004612.4	0.00002	+	101911730	101911830	100,
peak12501	3.2	2.88403E-05	0.000660693	3.29	0.000218776	0.004073803	chr9	106864363	106864793	NM_001042551.2	0.00022	+	106864363	106864793	111,89,
peak12505	3.42	2.0893E-05	0.000512861	2.88	0.000223872	0.004168694	chr9	106864370	106864800	NM_006444.3	0.00022	+	106864370	106864800	104,96,
peak12509	3.7	1.20226E-06	5.62341E-05	2.7	0.000446684	0.007585776	chr9	106864426	106873862	NM_001042550.2	0.00045	+	106864426	106873862	48,150,1,
peak12515	2.98	0.003548134	0.020417379	1.78	3.63078E-05	0.000851138	chr9	109690221	109690321	NM_021224.6	0.000036	+	109690221	109690321	100,
peak12576	6.18	0.004265795	0.022908677	5.88	0.000616595	0.002290868	chr9	123898222	123900884	NM_007018.5	0.00062	+	123898222	123900884	38,62,
peak12597	3.56	2.95121E-08	2.5704E-07	16	1.20226E-07	1.14815E-06	chr9	128064437	128064884	NM_001354293.2	0.00000012	+	128064437	128064884	447,
peak12599	3.57	1.23027E-08	0.000001	18	2.88403E-06	1.81977E-05	chr9	128064442	128064892	NM_001282679.2	0.0000029	+	128064442	128064892	450,
peak12601	3.57	1.23027E-08	0.000001	18	4.0738E-06	2.45471E-05	chr9	128064442	128064892	NM_001282680.3	0.0000041	+	128064442	128064892	450,
peak12602	3.47	3.63078E-09	3.16228E-07	16.2	9.33254E-09	1.28825E-07	chr9	128064360	128064911	NM_001282681.3	9.3E-09	+	128064360	128064911	551,
peak12604	3.55	4.16869E-10	3.98107E-08	14	3.54813E-08	4.0738E-07	chr9	128064359	128064908	NM_001330777.3	0.000000035	+	128064359	128064908	549,
peak12605	3.52	6.91831E-10	6.45654E-08	14	5.37032E-08	5.7544E-07	chr9	128064359	128064909	NM_001330778.3	0.000000054	+	128064359	128064909	550,
peak12607	3.32	2.69153E-07	1.62181E-05	16	1.51356E-07	1.38038E-06	chr9	128064358	128064906	NM_001354294.2	0.0000015	+	128064358	128064906	548,
peak12609	3.58	1.28825E-09	1.14815E-07	16	3.80189E-08	4.2658E-07	chr9	128064359	128064907	NM_001354295.2	0.000000038	+	128064359	128064907	548,
peak12610	3.32	2.69153E-07	1.62181E-05	16	1.14815E-07	1.09648E-06	chr9	128064358	128064907	NM_001354296.2	0.00000011	+	128064358	128064907	549,
peak12612	3.71	4.46684E-09	3.89045E-07	17.6	5.7544E-07	4.36516E-06	chr9	128064436	128064886	NM_001354297.2	0.00000058	+	128064436	128064886	450,
peak12614	3.32	2.69153E-07	1.62181E-05	16	1.28825E-07	1.20226E-06	chr9	128064358	128064906	NM_001354298.2	0.00000013	+	128064358	128064906	548,
peak12616	3.62	1.86209E-08	1.47911E-06	18.6	4.16869E-06	2.45471E-05	chr9	128064449	128064899	NM_001354299.2	0.0000042	+	128064449	128064899	450,
peak12618	3.47	5.37032E-09	4.57088E-07	16.5	8.51138E-09	1.1749E-07	chr9	128064911	128064911	NM_001354300.2	8.5E-09	+	128064361	128064911	550,
peak12620	3.46	6.60693E-09	5.49541E-07	17.6	1.12202E-06	7.94328E-06	chr9	128064437	128064887	NM_001354301.2	0.0000011	+	128064437	128064887	450,
peak12622	3.62	1.28825E-09	1.14815E-07	15.6	2.39883E-08	2.81838E-07	chr9	128064360	128064910	NM_015635.4	0.000000024	+	128064360	128064910	550,
peak12624	3.62	1.28825E-09	1.14815E-07	15.6	5.01187E-08	5.37032E-07	chr9	128064360	128064910	NR_148732.2	0.00000005	+	128064360	128064910	550,
peak12627	3.54	4.57088E-10	4.2658E-08	14	4.46684E-08	4.89779E-07	chr9	128064359	128064908	NR_148733.2	0.000000045	+	128064359	128064908	549,
peak12628	3.1	0.000851138	0.007413102	4.44	0.003162278	0.010715193	chr9	129642615	129642866	NM_001099270.2	0.0032	+	129642615	129642866	251,
peak12630	2.3	0.000588844	0.005754399	6.5	1.20226E-09	1.38038E-07	chr9	130206903	130207651	NM_001286696.1	1.2E-09	+	130206903	130207651	748,
peak12632	2.25	0.000912011	0.007762471	6.5	1.99526E-14	1E-11	chr9	130207305	130207651	NM_001286698.1	2E-14	+	130207305	130207651	346,
peak12636	2.51	0.003090295	0.018197009	35.9	0.00017378	0.000707946	chr9	130869946	130870047	NM_001265614.2	0.00017	+	130869946	130870047	101,
peak12686	1.31	0.004786301	0.025118864	8.33	5.37032E-05	0.000245471	chr9	132251184	132255807	NR_038955.1	0.000054	+	132251184	132255807	394,51,
peak12689	4.62	2.88403E-06	0.000109648	12.4	4.2658E-07	3.38844E-06	chr9	133579135	133579684	NR_104230.1	0.000000043	+	133579135	133579684	549,
peak12700	1.09	0.003981072	0.021877616	9.81	0.000812831	0.003019952	chr9	135553440	135554089	NR_133925.1	0.00081	+	135553440	135554089	649,
peak12715	3.52	0.002089296	0.014125375	1.71	0.000269153	0.001071519	chr9	137330335	137330486	NM_002957.6	0.00027	+	137330335	137330486	151,
peak12719	3.21	0.000186209	0.002454709	2.16	0.000288403	0.001148154	chr9	137330347	137330497	NM_001291920.1	0.00029	+	137330347	137330497	150,
peak12723	3.09	0.000512861	0.005011872	1.67	0.000147911	0.000616595	chr9	137330393	137330493	NM_001291921.2	0.00015	+	137330393	137330493	100,
peak12740	3.75	2.5704E-07	1.54882E-05	13.4	4.16869E-05	0.000194984	chr9	5921212	5921462	NM_001017969.3	0.000042	-	5921212	5921462	250,
peak12748	3.49	5.37032E-06	0.00018197	5.6	2.69153E-05	0.000645654	chr9	6014573	6014824	NM_012416.4	0.000027	-	6014573	6014824	251,
peak12865	3.86	0.00030903	0.003467369	10.2	0.000295121	0.001174898	chr9	26905776	26905926	NM_001321546.1	0.0003	-	26905776	26905926	150,
peak12890	2.84	8.31764E-08	5.7544E-06	9.89	2.39883E-05	0.000120226	chr9	34370611	34371011	NM_020702.5	0.000024	-	34370611	34371011	400,
peak12891	4.89	4.16869E-07	2.34423E-05	2.56	2.39883E-05	0.000120226	chr9	34371360	34371561	NM_020702.5	0.000024	-	34371360	34371561	201,
peak12893	1.1	0.00042658	0.004466836	3.2	2.39883E-05	0.000120226	chr9	34372060	34372710	NM_020702.5	0.000024	-	34372060	34372710	650,
peak12903	2.01	0.000123027	0.001778279	5.52	2.34423E-07	2.04174E-06	chr9	35660780	35661029	NM_032818.3	0.00000023	-	35660780	35661029	249,
peak12917	3.8	0.000812831	0.00724436	5.5	3.71535E-05	0.00017378	chr9	37440592	37440793	NM_014872.3	0.000037	-	37440592	37440793	201,

peak13069	2.05	0.001122018	0.008912509	8.37	0.000234423	0.000954993	chr9	100886901	100887102	NM_003389.3	0.00023	-	100886901	100887102	201,
peak13070	2.41	0.003548134	0.020417379	6.88	0.002089296	0.007413102	chr9	100886926	100887175	NM_052820.4	0.0021	-	100886926	100887175	249,
peak13146	2.06	0.000707946	0.006456542	5.25	1.69824E-05	8.70964E-05	chr9	115927917	115928117	NM_015258.2	0.000017	-	115927917	115928117	200,
peak13149	2.39	0.001148154	0.009120108	15.3	1.69824E-05	8.70964E-05	chr9	115938881	115946082	NM_015258.2	0.000017	-	115938881	115946082	72,172,103,52,
peak13171	2.05	3.16228E-06	0.00011749	5.5	5.01187E-12	1.8197E-10	chr9	125582303	125582898	NM_005388.5	5E-12	-	125582303	125582898	595,
peak13172	1.58	0.003235937	0.019054607	1.75	3.98107E-07	1.77828E-05	chr9	125680959	125681108	NM_001304363.2	0.00000004	-	125680959	125681108	149,
peak13174	1.54	0.003311311	0.019498446	8.4	3.98107E-07	3.16228E-06	chr9	125681750	125681899	NM_001304363.2	0.00000004	-	125681750	125681899	149,
peak13175	1.42	0.003235937	0.019054607	1.75	8.51138E-07	3.38844E-05	chr9	125680962	125681111	NM_020924.4	0.000000085	-	125680962	125681111	149,
peak13177	2.91	0.001148154	0.009120108	8.4	8.51138E-07	6.16595E-06	chr9	125681754	125681903	NM_020924.4	0.000000085	-	125681754	125681903	149,
peak13197	2.95	4.89779E-05	0.000954993	10.5	0.000134896	0.00057544	chr9	130494048	130494393	NM_001134431.3	0.00013	-	130494048	130494393	345,
peak13226	1.59	2.34423E-07	1.44544E-05	14.4	6.0256E-06	3.46737E-05	chr9	135202309	135203359	NM_001351527.1	0.0000006	-	135202309	135203359	1050,
peak13232	2.02	0.001023293	0.00851138	10.3	0.000512861	0.001949845	chr9	135202622	135203372	NM_001351528.2	0.00051	-	135202622	135203372	750,
peak13236	2.09	1.94984E-05	0.000489779	11.5	0.001380384	0.005011872	chr9	135202637	135203385	NM_015046.7	0.0014	-	135202637	135203385	748,
peak13270	3.61	0.000512861	0.005011872	5.25	1.99526E-13	7.94328E-11	chr9	140082011	140082110	NM_013366.4	2E-13	-	140082011	140082110	99,
peak13274	2.98	2.45471E-05	0.00057544	16.2	2.13796E-10	5.12861E-09	chr9	140286698	140289756	NR_104599.2	2.1E-10	-	140286698	140289756	989,2,
peak13334	2.07	0.00042658	0.004466836	3.38	0.00616595	0.020417379	chr10	5772614	5772715	NM_001321783.1	0.0062	+	5772614	5772715	101,
peak13340	2.71	3.23594E-06	0.00011749	30.9	0.000123027	0.000524807	chr10	5788185	5789086	NM_001321783.1	0.00012	+	5788185	5789086	901,
peak13344	2.24	0.000239883	0.002884032	3.38	0.012302688	0.039810717	chr10	5772617	5772718	NM_001321784.1	0.012	+	5772617	5772718	101,
peak13349	2.58	3.46737E-06	0.000125893	31.1	0.000204174	0.000831764	chr10	5788188	5789088	NM_001321784.1	0.0002	+	5788188	5789088	900,
peak13352	1.97	0.000812831	0.00724436	3.18	0.005011872	0.016982437	chr10	5772607	5772707	NM_001321785.1	0.005	+	5772607	5772707	100,
peak13355	2.17	0.002398833	0.015488166	3.17	0.000147911	0.000616595	chr10	5784162	5784411	NM_001321785.1	0.00015	+	5784162	5784411	249,
peak13356	1.88	0.001862087	0.012882496	27.8	0.000147911	0.000616595	chr10	5788212	5788909	NM_001321785.1	0.00015	+	5788212	5788909	697,
peak13357	5.54	1.99526E-09	1.77828E-07	3.21	0.000147911	0.000616595	chr10	5789007	5789207	NM_001321785.1	0.00015	+	5789007	5789207	200,
peak13365	2.62	1.07152E-07	7.24436E-06	26.5	9.12011E-05	0.000398107	chr10	5788199	5789197	NM_017782.4	0.000091	+	5788199	5789197	998,
peak13437	1.31	0.000831764	0.00724436	15.6	4.16869E-05	0.000194984	chr10	13167477	13169859	NM_021980.4	0.000042	+	13167477	13169859	90,94,115,
peak13462	4.09	0.001995262	0.013489629	7.8	0.00074131	0.012022644	chr10	25313649	25313899	NM_024838.5	0.00074	+	25313649	25313899	250,
peak13711	4.51	0.003890451	0.021379621	7	1.04713E-07	0.000001	chr10	31809217	31809417	NM_001323676.2	0.0000001	+	31809217	31809417	200,
peak13735	2.64	0.003235937	0.019054607	3.35	2.18776E-08	2.63027E-07	chr10	35772379	35818939	NM_001282854.2	0.000000022	+	35772379	35818939	27,35,39,
peak13744	2.55	8.70964E-05	0.001412538	4.5	0.000165959	0.000691831	chr10	38344695	38344946	NM_001278173.1	0.00017	+	38344695	38344946	251,
peak13747	2.56	1.7378E-05	0.000446684	4.5	0.000512861	0.001949845	chr10	38344698	38344948	NM_001278170.2	0.00051	+	38344698	38344948	250,
peak13750	3.24	0.000354813	0.003890451	3.43	1.86209E-05	9.54993E-05	chr10	38344693	38344943	NM_001324176.2	0.000019	+	38344693	38344943	250,
peak13753	2.54	3.80189E-05	0.000794328	4.5	0.000109648	0.00047863	chr10	38344696	38344946	NM_006974.3	0.00011	+	38344696	38344946	250,
peak13757	2.88	7.76247E-06	0.000239883	3.25	0.002089296	0.00724436	chr10	38344672	38344973	NM_001278171.2	0.0021	+	38344672	38344973	301,
peak13760	2.85	1.09648E-05	0.00030903	3.25	0.000295121	0.001148154	chr10	38344671	38344972	NM_001278174.2	0.0003	+	38344671	38344972	301,
peak13762	2.58	0.000154882	0.002137962	4.22	3.63078E-05	0.000169824	chr10	38344679	38344929	NM_001278175.2	0.000036	+	38344679	38344929	250,
peak13764	2.68	1.31826E-05	0.000354813	2.87	0.000371535	0.001412538	chr10	38344668	38344968	NM_001278176.2	0.00037	+	38344668	38344968	300,
peak13767	2.51	8.51138E-05	0.001380384	3.43	4.57088E-05	0.00020893	chr10	38344692	38344941	NM_001278177.2	0.000046	+	38344692	38344941	249,
peak13769	2.68	1.31826E-05	0.000354813	2.87	0.000371535	0.001412538	chr10	38344668	38344968	NM_001324177.2	0.00037	+	38344668	38344968	300,
peak13772	2.51	8.51138E-05	0.001380384	3.43	4.7863E-05	0.000218776	chr10	38344691	38344941	NM_001324178.2	0.000048	+	38344691	38344941	250,
peak13775	2.48	0.000169824	0.002238721	3.86	0.0001	0.00042658	chr10	38344689	38344938	NM_006954.2	0.0001	+	38344689	38344938	249,
peak13822	3.7	0.000114815	0.001698244	8.17	3.16228E-05	0.000151356	chr10	43650569	43650819	NR_135077.1	0.000032	+	43650569	43650819	250,
peak13828	2.38	0.000489779	0.004897788	9.53	0.002951209	0.01023293	chr10	45498867	45499014	NM_006963.5	0.003	+	45498867	45499014	147,
peak13887	2.33	0.001513561	0.011220185	8.54	7.24436E-05	0.000323594	chr10	70922228	70931150	NM_001035260.2	0.000072	+	70922228	70931150	40,69,239,
peak13997	1.51	0.000131826	0.001862087	7.14	2.23872E-05	0.000109648	chr10	86131596	86133394	NM_001351290.2	0.000022	+	86131596	86133394	629,20,
peak14002	1.43	0.000190546	0.002454709	7.14	0.00001	5.37032E-05	chr10	86131597	86133396	NM_018999.4	0.00001	+	86131597	86133396	628,22,
peak14074	1.23	0.003801894	0.021379621	2.4	0.001479108	0.022908677	chr10	101464699	101464900	NM_020354.5	0.0015	+	101464699	101464900	201,
peak14095	3.29	0.000323594	0.003630781	9.57	8.12831E-07	5.88844E-06	chr10	104391364	104391765	NM_016169.3	0.00000081	+	104391364	104391765	401,
peak14150	1.35	0.002951209	0.017782794	58.4	1.25893E-16	1.58489E-14	chr10	112724113	112724807	NM_001269039.2	1.3E-16	+	112724113	112724807	694,
peak14175	1.86	9.33254E-05	0.001479108	4.6	8.12831E-08	8.12831E-07	chr10	121657972	121658323	NM_007190.4	0.000000081	+	121657972	121658323	351,
peak14176	2.74	0.000331131	0.003715352	9.67	0.006025596	0.019952623	chr10	121700220	121700321	NM_007190.4	0.006	+	121700220	121700321	101,
peak14177	2.77	0.000263027	0.003909295	5	5.24807E-06	3.0903E-05	chr10	121700190	121700390	NR_037771.2	0.00000052	+	121700190	121700390	200,
peak14307	2.03	0.001096478	0.008912509	5.8	0.003388442	0.011748972	chr10	24909510	24909960	NR_160024.1	0.0034	-	24909510	24909960	450,
peak14312	1.97	0.003715352	0.020892961	5.8	0.004897788	0.016595869	chr10	24909513	24910011	NR_160025.1	0.0049	-	24909513	24910011	498,
peak14322	1.99	0.000102329	0.001548817	4.7	0.015135612	0.048977882	chr10	24909471	24909820	NM_001367454.1	0.015	-	24909471	24909820	349,
peak14327	1.94	0.002238721	0.014791084	4.48	0.006456542	0.021379621	chr10	24909517	24909968	NR_160023.1	0.0065	-	24909517	24909968	451,
peak14340	2.08	0.002041738	0.013803843	5.39	0.002454709	0.00851138	chr10	24909441	24909791	NM_001367450.1	0.0025	-	24909441	24909791	350,
peak14345	2.16	0.002344229	0.015135612	5.3	0.002754229	0.009549926	chr10	24909490	24909940	NM_001367451.1	0.0028	-	24909490	24909940	450,

peak14351	2.2	0.004168694	0.022387211	5.36	0.004265795	0.014454398	chr10	24909489	24909789	NM_001367452.1	0.0043	-	24909489	24909789	300,
peak14356	2.16	4.36516E-05	0.000870964	4.73	0.014125375	0.045708819	chr10	24909519	24909769	NR_160021.1	0.014	-	24909519	24909769	250,
peak14366	2.03	0.000933254	0.007943282	5.8	0.007762471	0.025703958	chr10	24909512	24909959	NM_001367447.1	0.0078	-	24909512	24909959	447,
peak14370	2.26	0.000588844	0.005623413	5.11	0.00128825	0.004677351	chr10	24909533	24909784	NM_020824.4	0.0013	-	24909533	24909784	251,
peak14411	3.88	0.000131826	0.001862087	5.18	2.18776E-05	0.000109648	chr10	29840158	29843993	NM_021738.3	0.000022	-	29840158	29843993	34,152,14,
peak14420	3.89	0.000165959	0.002238721	5.4	1.8197E-09	3.23594E-08	chr10	29840172	29844008	NM_001323600.1	1.8E-09	-	29840172	29844008	20,152,29,
peak14423	2.46	2.95121E-06	0.000112202	8.44	2.5704E-05	0.000125893	chr10	30315942	30316192	NM_001350001.2	0.000026	-	30315942	30316192	250,
peak14428	2.31	4.67735E-06	0.000162181	9.33	9.54993E-06	5.12861E-05	chr10	30315949	30316199	NM_020848.4	0.0000095	-	30315949	30316199	250,
peak14436	2.4	2.5704E-05	0.000588844	7.8	1.31826E-05	6.91831E-05	chr10	30315957	30316208	NM_001350021.2	0.000013	-	30315957	30316208	251,
peak14442	2.51	1.94984E-06	8.12831E-05	8.78	1.94984E-05	9.77237E-05	chr10	30315946	30316196	NM_001350022.2	0.000019	-	30315946	30316196	250,
peak14539	1.14	0.003715352	0.020892961	18.1	8.12831E-05	0.000363078	chr10	53457819	53459355	NM_015235.3	0.000081	-	53457819	53459355	1536,
peak14544	3	6.60693E-05	0.001148154	6	2.75423E-07	1.28825E-05	chr10	61819491	61819740	NM_001149.3	0.00000028	-	61819491	61819740	249,
peak14546	3.12	0.000102329	0.001584893	5.8	1.99526E-05	0.000501187	chr10	61819513	61819763	NM_001320874.2	0.00002	-	61819513	61819763	250,
peak14551	2.93	0.001071519	0.008709636	3.67	0.000123027	0.002454709	chr10	61819511	61819661	NM_001204404.2	0.00012	-	61819511	61819661	150,
peak14553	2.67	9.12011E-05	0.001479108	3.8	0.000316228	0.005623413	chr10	61819514	61822869	NM_001204403.2	0.00032	-	61819514	61822869	250,1,
peak14631	8.24	4.46684E-06	0.000158489	3	4.89779E-09	4.36516E-07	chr10	70243223	70243324	NM_001324314.2	4.9E-09	-	70243223	70243324	101,
peak14633	7.65	2.75423E-05	0.000630957	3.75	2.95121E-07	1.38038E-05	chr10	70243251	70246907	NM_001324317.2	0.0000003	-	70243251	70246907	94,7,
peak14635	7.68	3.71535E-05	0.000776247	4.5	4.46684E-09	4.0738E-07	chr10	70243237	70243338	NM_152707.4	4.5E-09	-	70243237	70243338	101,
peak14636	7.74	4.89779E-05	0.000954993	6.5	0.000162181	0.003162278	chr10	70243221	70243321	NM_001324315.1	0.00016	-	70243221	70243321	100,
peak14638	8.44	2.29087E-06	9.12011E-05	3.63	1.51356E-08	1.14815E-06	chr10	70243231	70243330	NM_001324312.2	0.000000015	-	70243231	70243330	99,
peak14640	1.51	0.000537032	0.005248075	8.88	5.62341E-06	3.23594E-05	chr10	71899468	71899815	NR_073595.1	0.0000056	-	71899468	71899815	347,
peak14642	2.31	0.000537032	0.005248075	4.5	3.89045E-05	0.00018197	chr10	71899466	71899665	NM_173555.4	0.000039	-	71899466	71899665	199,
peak14644	1.84	0.003090295	0.018620871	5.6	6.30957E-20	1.58489E-17	chr10	71899502	71899847	NR_073580.2	6.3E-20	-	71899502	71899847	345,
peak14653	1.62	0.000213796	0.002691535	7.25	4.89779E-06	2.88403E-05	chr10	71899485	71899835	NR_073594.2	0.0000049	-	71899485	71899835	350,
peak14675	5.01	0.002187762	0.014454398	4.06	0.014454398	0.046773514	chr10	74311057	74322709	NM_001195518.2	0.014	-	74311057	74322709	42,57,
peak14682	1.55	2.51189E-05	0.000588844	9.12	2.69153E-05	0.000131826	chr10	75567184	75568025	NM_003635.4	0.000027	-	75567184	75568025	841,
peak14688	2.8	0.004786301	0.025118864	35	7.94328E-07	5.88844E-06	chr10	75573599	75573699	NM_001367527.1	0.00000079	-	75573599	75573699	100,
peak14689	2.82	0.003801894	0.021379621	34.9	1.25893E-06	8.91251E-06	chr10	75573601	75573701	NM_001367530.1	0.0000013	-	75573601	75573701	100,
peak14691	2.86	0.002884032	0.017782794	34.4	1.23027E-06	8.51138E-06	chr10	75573605	75573706	NM_001367532.1	0.0000012	-	75573605	75573706	101,
peak14692	2.76	0.004786301	0.025118864	34.4	1.58489E-06	1.07152E-05	chr10	75573604	75573705	NM_001367533.1	0.0000016	-	75573604	75573705	101,
peak14693	2.8	0.004786301	0.025118864	35	7.58578E-07	5.62341E-06	chr10	75573600	75573700	NM_001367534.1	0.00000076	-	75573600	75573700	100,
peak14694	2.79	0.004570882	0.024547089	33.6	1.02329E-06	7.4131E-06	chr10	75573596	75573697	NM_001367536.1	0.000001	-	75573596	75573697	101,
peak14695	2.76	0.004786301	0.025118864	34.4	1.62181E-06	1.09648E-05	chr10	75573605	75573705	NM_001367537.1	0.0000016	-	75573605	75573705	100,
peak14696	2.8	0.004677351	0.024547089	35	1.1749E-06	8.31764E-06	chr10	75573599	75573700	NM_001367539.1	0.0000012	-	75573599	75573700	101,
peak14697	2.85	0.003467369	0.019952623	34.4	1.14815E-06	8.12831E-06	chr10	75573601	75573701	NM_001367542.1	0.0000011	-	75573601	75573701	100,
peak14698	2.84	0.002818383	0.017378008	37.9	1.07152E-06	7.58578E-06	chr10	75573595	75573695	NM_001367543.1	0.0000011	-	75573595	75573695	100,
peak14700	2.76	0.004786301	0.025118864	34.4	1.12202E-06	7.94328E-06	chr10	75573603	75573703	NM_001367548.1	0.0000011	-	75573603	75573703	100,
peak14704	2.8	0.004786301	0.025118864	36	3.80189E-07	3.0903E-06	chr10	75573598	75573699	NR_160040.1	0.00000038	-	75573598	75573699	101,
peak14705	2.76	0.004786301	0.025118864	34.4	1.51356E-06	1.02329E-05	chr10	75573602	75573703	NR_160042.1	0.0000015	-	75573602	75573703	101,
peak14706	2.8	0.004677351	0.024547089	35	7.4131E-07	5.49541E-06	chr10	75573599	75573700	NR_160044.1	0.00000074	-	75573599	75573700	101,
peak14708	2.79	0.003801894	0.021379621	37.9	1.09648E-06	7.76247E-06	chr10	75573595	75573695	NR_160046.1	0.0000011	-	75573595	75573695	100,
peak14709	2.86	0.003801894	0.021379621	33.4	1.09648E-06	7.76247E-06	chr10	75573597	75573697	NR_160047.1	0.0000011	-	75573597	75573697	100,
peak14712	2.79	0.004570882	0.024547089	33.6	1.62181E-06	1.09648E-05	chr10	75573596	75573697	NM_172171.2	0.0000016	-	75573596	75573697	101,
peak14727	3.03	6.16595E-05	0.001096478	16	4.57088E-05	0.000213796	chr10	88259894	88260294	NM_001318328.1	0.000046	-	88259894	88260294	400,
peak14731	2.57	0.000158489	0.002137962	14.8	0.000245471	0.001	chr10	88259858	88260306	NM_015045.5	0.00025	-	88259858	88260306	448,
peak14745	1.6	0.001148154	0.009120108	5.62	0.002344229	0.008317638	chr10	97423651	97424051	NM_001143973.1	0.0023	-	97423651	97424051	400,
peak14747	1.63	0.000831764	0.00724436	5.62	0.000707946	0.002630268	chr10	97423651	97424046	NM_015631.6	0.00071	-	97423651	97424046	395,
peak14753	2.52	0.000138038	0.001949845	2.67	0.000229087	0.004265795	chr10	101911539	101911788	NM_001347856.2	0.00023	-	101911539	101911788	249,
peak14754	2.11	6.30957E-06	0.000204174	6.83	0.000229087	0.000912011	chr10	101914693	101914693	NM_001347856.2	0.00023	-	101911887	101914693	222,77,
peak14755	2.2	5.49541E-07	2.95121E-05	8.75	0.000275423	0.001096478	chr10	101911869	101914672	NM_001347858.2	0.00028	-	101911869	101914672	240,56,
peak14756	2.52	0.000138038	0.001949845	2.67	0.000109648	0.002238721	chr10	101911537	101911786	NM_001347859.2	0.00011	-	101911537	101911786	249,
peak14757	2.06	8.70964E-08	6.0256E-06	6.86	0.000109648	0.00047863	chr10	101914690	101914690	NM_001347859.2	0.00011	-	101911885	101914690	224,74,
peak14758	2.53	7.76247E-10	7.24436E-08	7.31	4.16869E-05	0.000194984	chr10	101911543	101914649	NM_006459.4	0.000042	-	101911543	101914649	566,33,
peak14759	2.24	3.89045E-07	2.18776E-05	5.83	0.000301995	0.001174898	chr10	101911869	101914673	NR_144755.2	0.0003	-	101911869	101914673	240,57,
peak14760	2.24	3.89045E-07	2.18776E-05	5.83	0.000269153	0.001071519	chr10	101911869	101914673	NR_144756.2	0.00027	-	101911869	101914673	240,57,
peak14761	2.52	0.000138038	0.001949845	2.67	0.000147911	0.002884032	chr10	101911537	101911786	NR_144757.2	0.00015	-	101911537	101911786	249,
peak14762	2.1	7.58578E-08	5.24807E-06	8	0.000147911	0.000616595	chr10	101911884	101914689	NR_144757.2	0.00015	-	101911884	101914689	225,73,

peak14763	2.26	4.2658E-07	2.39883E-05	7.31	8.12831E-05	0.000354813	chr10	101911542	101914696	NR_144758.2	0.000081	-	101911542	101914696	567,80,
peak14766	2.3	0.000128825	0.001862087	7.07	4.2658E-05	0.000199526	chr10	101911845	101915907	NR_144759.2	0.000043	-	101911845	101915907	264,80,6,
peak14819	3.07	0.001023293	0.008317638	4.06	1.41254E-05	7.4131E-05	chr10	106074150	106074301	NM_001272012.1	0.000014	-	106074150	106074301	151,
peak14824	3.63	0.000194984	0.002511886	3.18	1.90546E-05	9.54993E-05	chr10	106074146	106074296	NM_001272013.2	0.000019	-	106074146	106074296	150,
peak14908	4.18	0.000169824	0.002238721	2.91	0.000331131	0.00128825	chr10	118661396	118666166	NM_001258299.1	0.000033	-	118661396	118666166	72,29,
peak14911	2.23	7.07946E-05	0.001230269	19.3	4.16869E-09	6.45654E-08	chr10	119042666	119043166	NM_173791.5	4.2E-09	-	119042666	119043166	500,
peak14923	2.83	0.003019952	0.018197009	16.1	4.2658E-06	2.51189E-05	chr10	121334573	121334773	NM_001033925.1	0.0000043	-	121334573	121334773	200,
peak14958	1.57	0.001148154	0.009120108	38.6	3.98107E-13	2.51189E-11	chr10	124753459	124754008	NM_001372123.1	4E-13	-	124753459	124754008	549,
peak14961	1.57	0.000446684	0.004570882	25.1	1.02329E-08	1.41254E-07	chr10	124753458	124754006	NM_001372126.1	0.00000001	-	124753458	124754006	548,
peak14970	4.21	4.57088E-06	0.000158489	12	0.002041738	0.00724436	chr10	125805281	125805430	NM_015892.5	0.002	-	125805281	125805430	149,
peak14975	4.2	7.24436E-06	0.000229087	12	0.001995262	0.00691831	chr10	125805279	125805428	NM_001270764.2	0.002	-	125805279	125805428	149,
peak15045	3.55	8.12831E-06	0.000251189	10.6	0.002238721	0.007943282	chr11	10526196	10527393	NM_000480.3	0.0022	+	10526196	10527393	10,139,
peak15048	3.31	7.24436E-07	3.71535E-05	9.5	0.002570396	0.008709636	chr11	10526178	10527427	NM_001172430.1	0.0026	+	10526178	10527427	28,173,
peak15049	1.92	3.16228E-06	0.00011749	19.6	2.34423E-08	2.81838E-07	chr11	10795657	10800600	NM_001346279.2	0.00000023	+	10795657	10800600	59,97,113,375,
peak15050	2.1	3.71535E-05	0.000776247	20.4	2.95121E-08	3.46737E-07	chr11	10795650	10800646	NM_014633.5	0.00000003	+	10795650	10800646	66,97,113,421,
peak15132	4.18	0.001122018	0.008912509	3.75	3.80189E-05	0.00018197	chr11	32955873	32956024	NM_001076786.3	0.000038	+	32955873	32956024	151,
peak15188	2.84	0.000295121	0.003388442	9	5.37032E-05	0.000245471	chr11	47594712	47594963	NM_001143984.1	0.000054	+	47594712	47594963	251,
peak15190	2.89	0.000295121	0.003388442	9	0.000691831	0.002570396	chr11	47594717	47594964	NM_175732.3	0.00069	+	47594717	47594964	247,
peak15321	1.06	6.60693E-06	0.000213796	95.8	1.54882E-05	7.94328E-05	chr11	58916380	58919824	NM_001142520.2	0.000015	+	58916380	58919824	46,602,
peak15343	1.21	3.0903E-05	0.000691831	78.6	4.36516E-10	9.54993E-09	chr11	58916392	58919784	NM_198847.3	4.4E-10	+	58916392	58919784	34,562,
peak15408	7.57	0.001096478	0.008912509	9.44	1.12202E-05	6.0256E-05	chr11	65562742	65562893	NM_004561.4	0.000011	+	65562742	65562893	151,
peak15417	4.67	0.000398107	0.004265795	3.84	2.0893E-07	1.8197E-06	chr11	66392001	66392102	NM_006328.4	0.00000021	+	66392001	66392102	101,
peak15465	1.36	0.001513561	0.011220185	2.02	0.011748976	0.03801894	chr11	70118400	70118501	NM_003626.4	0.012	+	70118400	70118501	101,
peak15487	2.94	2.23872E-05	0.000537032	17.8	8.91251E-10	1.7378E-08	chr11	74347291	74351879	NM_006591.3	8.9E-10	+	74347291	74351879	29,271,
peak15489	1.45	1.99526E-10	1.94984E-08	28.7	1.07152E-09	2.04174E-08	chr11	74546665	74547615	NM_001098638.2	1.1E-09	+	74546665	74547615	950,
peak15521	2.41	6.45654E-05	0.001148154	4	5.7544E-06	3.31131E-05	chr11	82892199	82895901	NM_001346413.2	0.0000058	+	82892199	82895901	34,156,93,36,181,
peak15527	2.36	2.95121E-05	0.000660693	4	5.88844E-07	4.57088E-06	chr11	82892201	82895902	NM_001346414.2	0.00000059	+	82892201	82895902	32,156,93,36,182,
peak15534	2.31	0.000218776	0.002754229	4	2.29087E-06	1.47911E-05	chr11	82892198	82895900	NM_001346415.2	0.0000023	+	82892198	82895900	35,156,93,36,180,
peak15539	2.32	5.62341E-05	0.001023293	4.4	1.58489E-06	1.07152E-05	chr11	82892197	82895899	NM_015885.4	0.0000016	+	82892197	82895899	36,156,93,36,179,
peak15557	2.29	5.88844E-05	0.001071519	10.8	2.29087E-05	0.000112202	chr11	95546661	95555045	NM_001243776.1	0.000023	+	95546661	95555045	92,117,78,11,
peak15559	2.3	5.62341E-05	0.001047129	10.8	6.45654E-06	3.63078E-05	chr11	95546661	95555048	NM_001243777.1	0.0000065	+	95546661	95555048	92,117,78,14,
peak15561	2.37	0.000190546	0.002454709	9.86	2.04174E-05	0.000102329	chr11	95546645	95552065	NM_001363604.1	0.00002	+	95546645	95552065	108,117,75,
peak15563	2.39	0.00011749	0.001737801	9.86	2.51189E-05	0.000123027	chr11	95546646	95552066	NM_014679.5	0.000025	+	95546646	95552066	107,117,76,
peak15606	1.43	0.000537032	0.005248075	34.5	0.000154882	0.000645654	chr11	111953540	111953839	NM_001082969.2	0.00015	+	111953540	111953839	299,
peak15607	1.37	0.00060256	0.005754399	30.5	0.000125893	0.000537032	chr11	111953542	111953841	NM_001301017.2	0.00013	+	111953542	111953841	299,
peak15608	2.09	0.000223872	0.002754229	28.3	0.000331131	0.001318257	chr11	111953546	111953795	NM_001301019.2	0.00033	+	111953546	111953795	249,
peak15609	2.08	0.000218776	0.002754229	28.3	0.000398107	0.001513561	chr11	111953549	111953797	NM_001301021.2	0.0004	+	111953549	111953797	248,
peak15639	4.78	0.001584893	0.011481536	1.89	0.001096478	0.017378008	chr11	120957591	120957692	NM_152715.4	0.0011	+	120957591	120957692	101,
peak15646	3.71	4.89779E-05	0.000933254	8	2.95121E-05	0.000144544	chr11	126162467	126162668	NM_001039661.1	0.00003	+	126162467	126162668	201,
peak15681	2.92	0.001258925	0.009772372	6	0.000154882	0.000645654	chr11	3380401	3380750	NM_001130520.3	0.00015	-	3380401	3380750	349,
peak15682	3.59	5.24807E-05	0.001	6.11	0.002238721	0.007943282	chr11	3380405	3380706	NM_001242841.2	0.0022	-	3380405	3380706	301,
peak15684	3.29	1.28825E-05	0.000354813	6	0.002041738	0.007079458	chr11	3380400	3380700	NR_040083.2	0.002	-	3380400	3380700	301,
peak15686	3.22	5.88844E-05	0.001071519	5.5	0.001122018	0.004073803	chr11	3380404	3380705	NM_001256825.1	0.0011	-	3380404	3380705	301,
peak15689	3.98	1.99526E-05	0.000489779	7.83	0.001659587	0.005888437	chr11	4406374	4406821	NM_003141.4	0.0017	-	4406374	4406821	447,
peak15695	2.82	7.4131E-05	0.001258925	2.78	1.25893E-15	1.25893E-13	chr11	6498207	6498457	NM_001370411.1	1.3E-15	-	6498207	6498457	250,
peak15700	2.8	0.000107152	0.00162181	2.89	0.00025704	0.001047129	chr11	6498209	6498460	NM_001242854.1	0.00026	-	6498209	6498460	251,
peak15705	2.87	0.00042658	0.004466836	1.25	0.000234423	0.000933254	chr11	6631792	6631893	NM_006284.4	0.00023	-	6631792	6631893	101,
peak15708	1.81	3.23594E-07	1.90546E-05	15.7	0.00017378	0.000707946	chr11	6643806	6644106	NM_003737.4	0.00017	-	6643806	6644106	300,
peak15806	4.39	0.000416869	0.004365158	2.76	2.63027E-05	0.000128825	chr11	46529880	46534336	NM_017749.3	0.000026	-	46529880	46534336	40,60,
peak15829	4.42	0.001862087	0.012882496	2.94	0.000107152	0.000457088	chr11	46529884	46534340	NM_001367471.1	0.00011	-	46529884	46534340	36,64,
peak15836	1.53	0.002089296	0.013803843	1.65	0.001949845	0.00691831	chr11	46837905	46839960	NM_001008938.4	0.0019	-	46837905	46839960	50,100,
peak15840	3.3	9.77237E-05	0.001513561	3	1.02226E-06	4.57088E-05	chr11	47595097	47595298	NM_001318716.1	0.0000012	-	47595097	47595298	201,
peak15841	6.02	0.001318257	0.01	2.1	1.07152E-05	5.7544E-05	chr11	47594681	47594780	NM_001318725.1	0.000011	-	47594681	47594780	99,
peak15843	6.02	0.001318257	0.01	2.1	1.25893E-05	6.60693E-05	chr11	47594681	47594780	NM_018095.6	0.000013	-	47594681	47594780	99,
peak15845	5.99	0.002137962	0.014454398	2.68	3.98107E-06	2.39883E-05	chr11	47594687	47594786	NM_001318717.1	0.000004	-	47594687	47594786	99,
peak15847	6.05	0.001174898	0.009120108	2.1	1.1749E-05	6.16595E-05	chr11	47594679	47594778	NM_001318718.1	0.000012	-	47594679	47594778	99,
peak15849	5.99	0.000954993	0.008128305	2.68	4.16869E-06	2.51189E-05	chr11	47594689	47594790	NM_001318719.1	0.0000042	-	47594689	47594790	101,

peak15851	5.79	0.00144544	0.010715193	2.68	4.89779E-06	2.88403E-05	chr11	47594687	47594787	NM_001318720.1	0.0000049	-	47594687	47594787	100,
peak15854	3.3	9.77237E-05	0.001513561	3	1.99526E-06	7.07946E-05	chr11	47595096	47595297	NM_001318721.1	0.000002	-	47595096	47595297	201,
peak15855	5.99	0.002137962	0.014454398	2.68	6.45654E-06	3.63078E-05	chr11	47594686	47594785	NM_001318722.1	0.0000065	-	47594686	47594785	99,
peak15857	6.05	0.001174898	0.009120108	2.1	1.02329E-05	5.49541E-05	chr11	47594680	47594779	NM_001318723.1	0.00001	-	47594680	47594779	99,
peak15859	6.05	0.001174898	0.009120108	2.1	1.02329E-05	5.49541E-05	chr11	47594680	47594779	NM_001318724.1	0.00001	-	47594680	47594779	99,
peak15861	5.99	0.002454709	0.015848932	2.22	1.23027E-05	6.60693E-05	chr11	47594682	47594781	NM_016506.6	0.000012	-	47594682	47594781	99,
peak15893	1.19	0.000676083	0.006309573	2.45	2.81838E-05	0.000138038	chr11	62295149	62295549	NM_001346446.2	0.000028	-	62295149	62295549	400,
peak15897	1.36	0.000281838	0.003235937	1.33	8.31764E-06	4.57088E-05	chr11	62298193	62298294	NM_001346446.2	0.0000083	-	62298193	62298294	101,
peak15899	1.24	0.000933254	0.007943282	2.72	8.31764E-06	4.57088E-05	chr11	62299341	62299841	NM_001346446.2	0.0000083	-	62299341	62299841	500,
peak15912	1.15	7.58578E-05	0.00128825	2.32	0.000125893	0.000537032	chr11	62295170	62295571	NM_001346445.2	0.00013	-	62295170	62295571	401,
peak15917	1.24	0.000263027	0.003090295	3.05	3.46737E-06	2.13796E-05	chr11	62299320	62299820	NM_001346445.2	0.0000035	-	62299320	62299820	500,
peak15930	1.21	0.000107152	0.00162181	2.39	2.5704E-05	0.000125893	chr11	62295148	62295548	NM_001620.3	0.000026	-	62295148	62295548	400,
peak15934	1.21	0.000363078	0.003981072	1.37	6.16595E-06	3.46737E-05	chr11	62298191	62298292	NM_001620.3	0.0000062	-	62298191	62298292	101,
peak15936	1.25	0.000977237	0.008128305	2.75	6.16595E-06	3.46737E-05	chr11	62299339	62299839	NM_001620.3	0.0000062	-	62299339	62299839	500,
peak15943	2.01	0.003311311	0.019498446	5	0.000275423	0.001096478	chr11	62342572	62342819	NM_022830.3	0.00028	-	62342572	62342819	247,
peak15979	1.96	8.91251E-06	0.000269153	15.9	0.000120226	0.000512861	chr11	67119114	67119311	NR_046411.1	0.00012	-	67119114	67119311	197,
peak15980	1.84	5.7544E-05	0.001071519	15.9	0.004168694	0.014125375	chr11	67119114	67119262	NR_046413.1	0.0042	-	67119114	67119262	148,
peak15993	1.82	0.000269153	0.003162278	21.7	1.04713E-08	1.41254E-07	chr11	68029741	68030186	NM_022338.4	0.00000001	-	68029741	68030186	445,
peak16012	2.67	4.46684E-05	0.000870964	7.69	8.51138E-08	8.51138E-07	chr11	72003611	72003761	NM_001258392.3	0.000000085	-	72003611	72003761	150,
peak16016	2.54	0.001174898	0.009332543	8.22	7.07946E-08	7.24436E-07	chr11	72003620	72003771	NM_001258393.3	0.000000071	-	72003620	72003771	151,
peak16020	2.49	6.60693E-05	0.001148154	9.09	9.77237E-08	9.54993E-07	chr11	72003604	72003804	NM_030813.6	0.000000098	-	72003604	72003804	200,
peak16023	1.42	0.000912011	0.007762471	18.1	9.77237E-08	9.54993E-07	chr11	72006575	72019638	NM_030813.6	0.000000098	-	72006575	72019638	117,162,45,56,68,
peak16026	1.95	0.000512861	0.005011872	14.6	0.005623413	0.018620871	chr11	72012890	72019601	NM_001258394.2	0.0056	-	72012890	72019601	118,45,56,31,
peak16029	6.11	0.002754229	0.017378008	6.94	0.00616595	0.020417379	chr11	72549276	72549376	NM_014824.3	0.0062	-	72549276	72549376	100,
peak16062	2.57	4.46684E-06	0.000158489	4.4	2.69153E-07	2.29087E-06	chr11	77396183	77404650	NM_016578.3	0.000000027	-	77396183	77404650	21,80,99,
peak16063	2.05	0.001174898	0.009332543	44.2	2.69153E-07	2.29087E-06	chr11	77409724	77412748	NM_016578.3	0.000000027	-	77409724	77412748	14,983,
peak16215	7.39	1.47911E-08	1.1749E-06	14.2	1.7378E-10	4.36516E-09	chr11	128844259	128844559	NM_001142685.1	1.7E-10	-	128844259	128844559	300,
peak16230	1.41	4.0738E-05	0.000831764	24.1	3.16228E-11	9.54993E-10	chr11	130130919	130131168	NM_001301099.1	3.2E-11	-	130130919	130131168	249,
peak16233	1.79	0.000831764	0.00724436	17.4	9.77237E-09	1.34896E-07	chr11	130130862	130131163	NM_014155.4	9.8E-09	-	130130862	130131163	301,
peak16236	1.68	5.12861E-05	0.000977237	17.6	2.5704E-09	4.36516E-08	chr11	130130916	130131167	NM_001301098.2	2.6E-09	-	130130916	130131167	251,
peak16239	1.64	4.57088E-06	0.000158489	23.8	1.14815E-07	1.09648E-06	chr11	130130872	130131172	NM_001370219.1	0.000000011	-	130130872	130131172	300,
peak16242	1.64	4.67735E-06	0.000162181	23.9	3.63078E-07	2.95121E-06	chr11	130130872	130131172	NM_001370220.1	0.000000036	-	130130872	130131172	300,
peak16245	1.47	0.001737801	0.012302688	19.2	1.51356E-08	1.94984E-07	chr11	130130867	130131168	NM_001370221.1	0.000000015	-	130130867	130131168	301,
peak16248	1.65	5.7544E-06	0.000190546	24.8	1.07152E-07	1.02329E-06	chr11	130130874	130131173	NM_001370223.1	0.000000011	-	130130874	130131173	299,
peak16250	1.8	7.24436E-07	3.71535E-05	19.5	7.4131E-07	5.49541E-06	chr11	130130834	130131181	NR_163264.1	0.000000074	-	130130834	130131181	347,
peak16252	1.81	0.001148154	0.009120108	17.6	3.89045E-08	4.36516E-07	chr11	130130866	130131167	NR_163265.1	0.000000039	-	130130866	130131167	301,
peak16255	3.21	3.98107E-08	2.95121E-06	6.81	6.60693E-06	3.80189E-05	chr11	130784892	130785538	NM_001347918.1	0.0000066	-	130784892	130785538	646,
peak16256	1.43	0.003715352	0.020892961	11.8	0.003981072	0.013489629	chr11	130785885	130786035	NM_001347918.1	0.004	-	130785885	130786035	150,
peak16258	1.65	0.001949845	0.013182567	11.6	4.7863E-05	0.000218776	chr11	130785882	130785983	NM_001347919.1	0.000048	-	130785882	130785983	101,
peak16260	1.53	0.003801894	0.021379621	11.6	4.2658E-05	0.000199526	chr11	130785883	130785984	NM_014758.2	0.000043	-	130785883	130785984	101,
peak16262	1.54	0.003548134	0.020417379	11.8	3.31131E-05	0.000158489	chr11	130785884	130785984	NR_144939.1	0.000033	-	130785884	130785984	100,
peak16266	1.54	0.003548134	0.020417379	11.8	0.00047863	0.001819701	chr11	130785884	130785984	NM_001347921.1	0.00048	-	130785884	130785984	100,
peak16292	1.35	5.7544E-05	0.001071519	18.3	8.91251E-05	0.000389045	chr12	977879	978079	NM_213655.4	0.000089	+	977879	978079	200,
peak16295	1.36	0.001819701	0.012589254	18.1	0.001023293	0.003715352	chr12	1137710	1192651	NM_178039.4	0.001	+	1137710	1192651	28,322,
peak16299	1.38	0.002570396	0.016595869	20.4	0.000870964	0.003235937	chr12	1137709	1192649	NM_178040.4	0.00087	+	1137709	1192649	29,320,
peak16303	1.12	0.003890451	0.021877616	16.8	1.90546E-05	9.54993E-05	chr12	1137646	1192737	NR_027946.3	0.000019	+	1137646	1192737	92,408,
peak16307	2.1	3.46737E-05	0.00074131	12	0.000346737	0.001348963	chr12	1599706	1600006	NR_027946.3	0.00035	+	1599706	1600006	300,
peak16311	2.94	0.001258925	0.009772372	7.22	0.000363078	0.001412538	chr12	1602800	1603101	NR_027946.3	0.00036	+	1602800	1603101	301,
peak16312	2.75	0.000660693	0.00616595	4.33	0.000363078	0.001412538	chr12	1603299	1603650	NR_027946.3	0.00036	+	1603299	1603650	351,
peak16317	3.02	0.00162181	0.011748976	16.6	0.006456542	0.021379621	chr12	1137212	1137363	NR_027949.3	0.0065	+	1137212	1137363	151,
peak16320	1.28	0.004786301	0.025118864	18.9	0.000831764	0.003019952	chr12	1137710	1192651	NM_001301248.1	0.00083	+	1137710	1192651	28,322,
peak16340	2.02	0.002818383	0.017378008	16.7	1.47911E-06	1.02329E-05	chr12	9847931	9848726	NM_001004419.5	0.0000015	+	9847931	9848726	795,
peak16341	2	0.001584893	0.011481536	16.8	2.75423E-06	1.7378E-05	chr12	9847927	9848722	NM_001197317.3	0.0000028	+	9847927	9848722	795,
peak16343	1.81	0.002511886	0.015848932	16.8	9.33254E-06	5.12861E-05	chr12	9848368	9848718	NM_001197318.3	0.0000093	+	9848368	9848718	350,
peak16344	2.05	0.00162181	0.011748976	16.7	2.34423E-06	1.51356E-05	chr12	9847930	9848725	NM_001197319.3	0.0000023	+	9847930	9848725	795,
peak16345	2.11	0.001548817	0.011481536	15.7	1.09648E-05	5.88844E-05	chr12	9847917	9848715	NM_013269.6	0.000011	+	9847917	9848715	798,
peak16346	1.95	0.002290868	0.014791084	26.2	7.24436E-07	5.37032E-06	chr12	9847950	9848701	NR_036693.3	0.00000072	+	9847950	9848701	751,

peak16376	2.44	2.0893E-07	1.28825E-05	67.6	1.58489E-14	1.25893E-12	chr12	14576872	14577273	NM_181352.2	1.6E-14	+	14576872	14577273	401,
peak16385	4.09	0.003630781	0.020417379	4.36	7.76247E-08	7.76247E-07	chr12	19436442	19436592	NM_001143821.3	0.000000078	+	19436442	19436592	150,
peak16387	4.17	0.001047129	0.00851138	3.4	8.51138E-06	4.67735E-05	chr12	19436432	19436583	NM_001256470.2	0.00000085	+	19436432	19436583	151,
peak16388	4.06	4.67735E-05	0.000912011	9.71	0.001995262	0.007079458	chr12	19436350	19436601	NM_019012.6	0.002	+	19436350	19436601	251,
peak16390	4.37	0.000616595	0.005888437	5.33	7.24436E-07	5.37032E-06	chr12	19436424	19436575	NM_001256787.1	0.00000072	+	19436424	19436575	151,
peak16398	5.04	0.001548817	0.011481536	12	4.0738E-06	2.45471E-05	chr12	26221761	26221962	NM_001164748.2	0.00000041	+	26221761	26221962	201,
peak16414	1.39	0.001584893	0.011481536	3.67	0.000141254	0.00060256	chr12	27950731	27950932	NM_020782.2	0.00014	+	27950731	27950932	201,
peak16424	1.5	0.004466836	0.023988329	5.33	0.000758578	0.012302688	chr12	32490539	32491768	NM_001363603.1	0.00076	+	32490539	32491768	101,49,
peak16450	4.42	0.000194984	0.002511886	2.12	1.99526E-14	1.58489E-12	chr12	32793436	32793537	NM_001370297.1	2E-14	+	32793436	32793537	101,
peak16523	1.76	0.001148154	0.009120108	3.36	3.16228E-11	1.07152E-09	chr12	53434113	53434312	NM_001300821.3	3.2E-11	+	53434113	53434312	199,
peak16525	1.82	0.001659587	0.012022644	3.37	3.71535E-10	8.31764E-09	chr12	53434104	53434255	NM_001330654.2	3.7E-10	+	53434104	53434255	151,
peak16527	2.25	0.000676083	0.006309573	2.97	6.30957E-12	2.23872E-10	chr12	53434120	53434269	NM_001417.7	6.3E-12	+	53434120	53434269	149,
peak16536	2.24	0.001659587	0.012022644	2.52	2.04174E-07	1.8197E-06	chr12	53776164	53776264	NM_138473.3	0.00000002	+	53776164	53776264	100,
peak16539	1.5	0.002818383	0.017378008	5.62	2.04174E-07	1.8197E-06	chr12	53803329	53804994	NM_138473.3	0.00000002	+	53803329	53804994	16,284,
peak16555	1.57	0.004677351	0.024547089	6.11	1.44544E-06	0.00001	chr12	56397976	56398175	NM_001032386.2	0.00000014	+	56397976	56398175	199,
peak16558	1.56	0.000831764	0.00724436	5.69	1.02329E-06	7.4131E-06	chr12	56397983	56398180	NM_001032387.2	0.000001	+	56397983	56398180	197,
peak16620	3.81	0.002691535	0.016595869	2.43	0.000363078	0.006309573	chr12	62986520	62986670	NM_001278471.2	0.00036	+	62986520	62986670	150,
peak16628	2.54	0.003548134	0.019952623	1.86	2.0893E-06	7.4131E-05	chr12	64472704	64472805	NM_020762.4	0.00000021	+	64472704	64472805	101,
peak16633	3.15	0.000141254	0.001995262	14.1	1.7378E-09	3.0903E-08	chr12	65269268	65269419	NM_001330186.2	1.7E-09	+	65269268	65269419	151,
peak16634	3.77	0.000199526	0.002570396	14.1	7.07946E-08	7.07946E-07	chr12	65269266	65269367	NM_001364838.2	0.000000071	+	65269266	65269367	101,
peak16646	3.39	3.71535E-05	0.000776247	4.18	8.12831E-06	4.46684E-05	chr12	67699600	67699750	NM_001329674.2	0.00000081	+	67699600	67699750	150,
peak16647	4.72	0.000660693	0.00616595	8.12	8.12831E-06	4.46684E-05	chr12	67699998	67700148	NM_001329674.2	0.00000081	+	67699998	67700148	150,
peak16650	4.06	0.000128825	0.001862087	6.69	1.54882E-07	1.41254E-06	chr12	67699616	67699717	NM_001329675.2	0.00000015	+	67699616	67699717	101,
peak16651	4.81	3.98107E-05	0.000812831	7.66	1.54882E-07	1.41254E-06	chr12	67699966	67700167	NM_001329675.2	0.00000015	+	67699966	67700167	201,
peak16654	3.56	0.000114815	0.001698244	9.45	2.63027E-06	1.65959E-05	chr12	67699575	67699725	NM_001329676.2	0.00000026	+	67699575	67699725	150,
peak16655	4.42	0.000107152	0.00162181	7.59	4.2658E-08	4.67735E-07	chr12	67699974	67700175	NM_001329676.2	0.000000043	+	67699974	67700175	201,
peak16658	3.51	0.000114815	0.001698244	5.75	0.000758578	0.002818383	chr12	67699582	67699733	NM_018448.5	0.00076	+	67699582	67699733	151,
peak16659	4.65	0.000251189	0.003019952	6.78	5.7544E-07	4.46684E-06	chr12	67699982	67700132	NM_018448.5	0.00000058	+	67699982	67700132	150,
peak16661	1.85	0.001862087	0.012882496	17.6	8.12831E-10	1.62181E-08	chr12	68050896	68051746	NM_003583.4	8.1E-10	+	68050896	68051746	850,
peak16672	2.49	0.000398107	0.004265795	3	7.76247E-05	0.00162181	chr12	69126449	69127311	NM_001330192.2	0.000078	+	69126449	69127311	70,80,
peak16673	2.56	0.003467369	0.019952623	3.8	0.000165959	0.003162278	chr12	69126467	69127279	NM_020401.4	0.00017	+	69126467	69127279	52,48,
peak16699	1.61	0.000162181	0.002187762	2.86	0.0000001	5.62341E-06	chr12	70188274	70189101	NM_001278402.1	0.00000001	+	70188274	70189101	20,181,
peak16707	4.12	1.41254E-07	9.12011E-06	15.1	2.95121E-10	6.76083E-09	chr12	74932513	74932914	NM_001136262.2	3E-10	+	74932513	74932914	401,
peak16764	3.74	0.000120226	0.001737801	140	7.24436E-09	1.04713E-07	chr12	95694033	95694383	NM_001352111.2	7.2E-09	+	95694033	95694383	350,
peak16765	3.57	0.001122018	0.008912509	139	7.76247E-10	1.58489E-08	chr12	95694035	95694384	NM_001352112.2	7.8E-10	+	95694035	95694384	349,
peak16766	3.82	6.30957E-05	0.001122018	119	7.94328E-11	2.13796E-09	chr12	95694045	95694344	NM_001352113.2	7.9E-11	+	95694045	95694344	299,
peak16767	3.57	0.002290868	0.014791084	138	7.58578E-10	1.54882E-08	chr12	95694035	95694385	NM_001352115.2	7.6E-10	+	95694035	95694385	350,
peak16769	3.84	6.30957E-05	0.001122018	120	3.16228E-11	9.33254E-10	chr12	95694044	95694343	NM_001352117.2	3.2E-11	+	95694044	95694343	299,
peak16770	3.87	4.36516E-05	0.000870964	118	3.71535E-09	5.88844E-08	chr12	95694041	95694340	NM_001352119.2	3.7E-09	+	95694041	95694340	299,
peak16811	1.45	0.000363078	0.003981072	4	5.24807E-06	3.01995E-05	chr12	105151217	105151516	NM_001173982.2	0.00000052	+	105151217	105151516	299,
peak16814	1.06	0.00162181	0.011748976	4.67	0.000151356	0.000630957	chr12	105151205	105151505	NM_018413.6	0.00015	+	105151205	105151505	300,
peak16817	1.1	0.001122018	0.008912509	21.4	7.94328E-14	6.30957E-12	chr12	107208725	107209076	NM_001330146.2	7.9E-14	+	107208725	107209076	351,
peak16818	1.12	0.002344229	0.015135612	21.4	3.98107E-13	1.99526E-11	chr12	107208726	107209076	NM_001330147.2	4E-13	+	107208726	107209076	350,
peak16819	1.1	0.001122018	0.008912509	21.4	3.98107E-14	3.16228E-12	chr12	107208725	107209076	NM_001351361.2	4E-14	+	107208725	107209076	351,
peak16820	1.06	4.16869E-05	0.000851138	21.4	6.91831E-07	5.24807E-06	chr12	107208773	107209022	NM_001351362.2	0.00000069	+	107208773	107209022	249,
peak16821	1.06	4.2658E-05	0.000851138	21.4	6.30957E-07	4.7863E-06	chr12	107208773	107209023	NM_001351363.2	0.00000063	+	107208773	107209023	250,
peak16832	1.09	0.002187762	0.014454398	20.9	7.94328E-13	3.98107E-11	chr12	107208726	107209076	NR_147137.2	7.9E-13	+	107208726	107209076	350,
peak16834	1.1	0.000223872	0.002754229	21.4	3.80189E-10	8.31764E-09	chr12	107208725	107209025	NR_147139.2	3.8E-10	+	107208725	107209025	300,
peak16922	1.29	0.000891251	0.007585776	16.3	3.80189E-08	4.2658E-07	chr12	122626347	122627347	NM_014938.6	0.000000038	+	122626347	122627347	1000,
peak16943	1.68	0.003715352	0.020892961	2.25	0.000147911	0.002884032	chr12	132239027	132241104	NM_001261411.2	0.00015	+	132239027	132241104	17,94,87,
peak16950	2.24	0.004570882	0.024547089	3.05	3.31131E-05	0.000158489	chr12	132445334	132445435	NM_015409.5	0.000033	+	132445334	132445435	101,
peak16952	3.5	0.004466836	0.023988329	1.46	3.31131E-05	0.000158489	chr12	132471297	132472295	NM_015409.5	0.000033	+	132471297	132472295	55,46,
peak17010	3.28	0.001258925	0.009772372	2.64	1.54882E-06	1.07152E-05	chr12	416945	417045	NM_001042603.3	0.0000015	-	416945	417045	100,
peak17014	2.13	0.001412538	0.010715193	3.62	9.54993E-08	9.12011E-07	chr12	2967635	2967883	NM_202003.3	0.000000095	-	2967635	2967883	248,
peak17015	3.39	0.0000001	6.91831E-06	5.39	9.54993E-08	9.12011E-07	chr12	2968129	2968426	NM_202003.3	0.000000095	-	2968129	2968426	297,
peak17053	2.46	0.00042658	0.004466836	6	0.000831764	0.013489629	chr12	9905869	9906018	NM_001781.2	0.00083	-	9905869	9906018	149,
peak17059	2.49	0.000467735	0.004786301	23.5	2.34423E-06	1.54882E-05	chr12	12274133	12274284	NM_002336.3	0.0000023	-	12274133	12274284	151,

peak17084	2.26	0.001778279	0.012302688	4.57	2.88403E-05	0.000691831	chr12	30881771	30881922	NM_001002259.2	0.000029	-	30881771	30881922	151,
peak17085	2.36	7.58578E-05	0.00128825	4	3.63078E-05	0.000851138	chr12	30881735	30881934	NM_001206856.2	0.000036	-	30881735	30881934	199,
peak17086	2.71	1.1749E-05	0.000323594	4	3.63078E-05	0.000851138	chr12	30881681	30881932	NM_001319842.1	0.000036	-	30881681	30881932	251,
peak17087	2.04	0.001949845	0.013182567	4.57	4.16869E-06	0.000131826	chr12	30881773	30881923	NM_001319843.1	0.000042	-	30881773	30881923	150,
peak17088	2.26	0.001778279	0.012302688	4.57	2.0893E-05	0.000524807	chr12	30881772	30881922	NM_023925.4	0.000021	-	30881772	30881922	150,
peak17089	1.88	0.002187762	0.014454398	4	2.39883E-05	0.000588844	chr12	30881776	30881926	NM_032156.4	0.000024	-	30881776	30881926	150,
peak17090	2.35	8.12831E-05	0.001348963	4	0.000239883	0.004466836	chr12	30881732	30881932	NM_001319844.2	0.000024	-	30881732	30881932	200,
peak17092	1.87	0.004168694	0.022908677	4.57	0.000311131	0.005888437	chr12	30881768	30881918	NM_001319846.2	0.00033	-	30881768	30881918	150,
peak17149	2.21	1.99526E-06	8.31764E-05	28.7	0.004677351	0.015848932	chr12	49431603	49432203	NM_003482.3	0.0047	-	49431603	49432203	600,
peak17186	2.86	0.002951209	0.017782794	9	4.2658E-05	0.000954993	chr12	51457518	51457668	NM_030809.3	0.000043	-	51457518	51457668	150,
peak17190	5.61	4.67735E-05	0.000912011	2	4.7863E-05	0.001071519	chr12	51457176	51457276	NR_045072.2	0.000048	-	51457176	51457276	100,
peak17213	1.42	0.004466836	0.023988329	8.44	6.60693E-07	4.89779E-06	chr12	54575281	54575480	NM_001351247.1	0.00000066	-	54575281	54575480	199,
peak17221	1.15	0.002187762	0.014454398	8	0.000213796	0.000870964	chr12	54575285	54575485	NM_001351252.1	0.00021	-	54575285	54575485	200,
peak17242	1.15	0.002187762	0.014454398	8	0.000263027	0.001047129	chr12	54575285	54575485	NM_001351260.1	0.00026	-	54575285	54575485	200,
peak17282	3.08	0.000537032	0.005248075	13	2.81838E-07	2.34423E-06	chr12	57396548	57396897	NM_014830.3	0.00000028	-	57396548	57396897	349,
peak17283	2.19	1.94984E-06	7.94328E-05	12.7	2.81838E-07	2.34423E-06	chr12	57397344	57398041	NM_014830.3	0.00000028	-	57397344	57398041	697,
peak17330	1.94	0.002041738	0.013803843	12.5	5.24807E-06	3.0903E-05	chr12	72025805	72026676	NM_144982.5	0.0000052	-	72025805	72026676	489,11,
peak17406	4.76	0.000457088	0.004677351	4.29	5.01187E-08	3.0903E-06	chr12	93171415	93171793	NM_003566.4	0.00000005	-	93171415	93171793	24,77,
peak17408	2.84	0.000676083	0.006309573	15.6	1.09648E-08	1.47911E-07	chr12	93192816	93202913	NM_003566.4	0.000000011	-	93192816	93202913	46,102,331,121,
peak17415	2.03	0.001148154	0.009120108	5	0.000177828	0.003388442	chr12	95603637	95603788	NM_018351.4	0.00018	-	95603637	95603788	151,
peak17432	1.27	0.000891251	0.007585776	10.7	0.00047863	0.001819701	chr12	102147304	102153859	NM_024312.5	0.00048	-	102147304	102153859	13,99,86,52,
peak17433	1.08	0.00057544	0.005495409	9.95	8.31764E-05	0.000363078	chr12	102158093	102158491	NM_024312.5	0.000083	-	102158093	102158491	398,
peak17466	5.63	5.24807E-06	0.000177828	10.5	2.69153E-06	1.69824E-05	chr12	109181404	109181604	NM_018984.4	0.0000027	-	109181404	109181604	200,
peak17518	4.48	0.000398107	0.004265795	5.44	8.12831E-05	0.000363078	chr12	121676088	121676238	NM_001270486.1	0.000081	-	121676088	121676238	150,
peak17522	4.48	0.000398107	0.004265795	5.44	7.94328E-05	0.000354813	chr12	121676088	121676238	NM_001270485.2	0.000079	-	121676088	121676238	150,
peak17525	4.48	0.000398107	0.004265795	5.44	7.76247E-05	0.000346737	chr12	121676089	121676238	NM_172226.2	0.000078	-	121676089	121676238	149,
peak17527	4.36	0.00074131	0.006606934	5.44	3.71535E-06	2.23872E-05	chr12	121676089	121676239	NM_006549.3	0.0000037	-	121676089	121676239	150,
peak17529	1.34	0.002137962	0.014454398	5.25	1.69824E-06	1.14815E-05	chr12	121693595	121706456	NM_006549.3	0.0000017	-	121693595	121706456	12,37,134,16,
peak17541	2.32	0.000151356	0.002089296	6.24	9.12011E-06	4.89779E-05	chr12	122957992	122958392	NM_001350937.2	0.0000091	-	122957992	122958392	400,
peak17542	1.87	0.003090295	0.018620871	7.14	9.12011E-06	4.89779E-05	chr12	122958491	122958692	NM_001350937.2	0.0000091	-	122958491	122958692	201,
peak17591	4.19	0.003548134	0.020417379	2	8.31764E-06	0.000239883	chr12	133502534	133502684	NM_183238.4	0.0000083	-	133502534	133502684	150,
peak17623	4.31	0.000151356	0.002089296	6.37	2.69153E-06	1.69824E-05	chr13	20567698	20567899	NM_001190965.3	0.0000027	+	20567698	20567899	201,
peak17632	3.18	0.004168694	0.022908677	6.93	6.16595E-05	0.000275423	chr13	20567656	20576997	NM_001353161.2	0.000062	+	20567656	20576997	48,94,8,
peak17666	3.47	7.58578E-07	3.80189E-05	8.15	3.98107E-98	3.16228E-94	chr13	28197091	28197438	NM_015972.4	4E-98	+	28197091	28197438	347,
peak17685	3.29	0.000194984	0.002511886	5.19	6.76083E-06	3.80189E-05	chr13	42876094	42876244	NM_016248.4	0.0000068	+	42876094	42876244	150,
peak17716	3.36	7.58578E-05	0.001258925	9.25	0.000125893	0.000537032	chr13	50586331	50586929	NM_001007278.3	0.00013	+	50586331	50586929	598,
peak17717	3.38	7.58578E-05	0.001258925	9.25	4.57088E-05	0.000213796	chr13	50586331	50586929	NM_005798.5	0.000046	+	50586331	50586929	598,
peak17718	3.17	0.002041738	0.013803843	1.7	1.28825E-06	4.89779E-05	chr13	50571276	50571827	NM_052811.4	0.0000013	+	50571276	50571827	76,25,
peak17719	3.45	8.12831E-05	0.001348963	12	1.28825E-06	8.91251E-06	chr13	50586344	50586892	NM_052811.4	0.0000013	+	50586344	50586892	548,
peak17721	3.42	3.63078E-05	0.000776247	8.88	0.000107152	0.000457088	chr13	50586342	50586939	NM_213590.3	0.00011	+	50586342	50586939	597,
peak17726	2.42	2.18776E-05	0.000524807	12.1	0.000630957	0.002344229	chr13	52604937	52605188	NR_036571.3	0.00063	+	52604937	52605188	251,
peak17759	1.38	7.58578E-06	0.000234423	13.6	9.33254E-06	5.01187E-05	chr13	103514511	103515111	NM_001204425.1	0.0000093	+	103514511	103515111	600,
peak17763	1.35	3.71535E-05	0.000794328	9.05	0.001513561	0.005495409	chr13	103514468	103515116	NM_000123.3	0.0015	+	103514468	103515116	648,
peak17880	4.07	0.000630957	0.005888437	6.08	0.000489779	0.001862087	chr13	26793672	26796168	NM_183045.1	0.00049	-	26793672	26796168	132,83,29,
peak17884	5.77	3.46737E-06	0.000128825	7.86	7.24436E-10	1.47911E-08	chr13	26793735	26795464	NM_183044.2	7.2E-10	-	26793735	26795464	69,80,
peak17888	5.79	4.46684E-06	0.000154882	4.92	1.58489E-16	1.99526E-14	chr13	26793752	26796154	NM_005977.4	1.6E-16	-	26793752	26796154	52,83,15,
peak17911	2.21	0.001202264	0.009549926	2.92	7.07946E-07	5.24807E-06	chr13	31711606	31712589	NM_001349704.2	0.00000071	-	31711606	31712589	55,46,
peak17913	2.56	0.00001	0.000288403	3.67	1.14815E-06	8.12831E-06	chr13	31711506	31712589	NM_006644.4	0.0000011	-	31711506	31712589	155,46,
peak17915	2.58	6.16595E-06	0.000199526	3.75	2.95121E-06	1.86209E-05	chr13	31711499	31712582	NM_001286503.1	0.000003	-	31711499	31712582	162,39,
peak17917	1.83	5.12861E-05	0.000977237	4.3	0.002454709	0.00851138	chr13	31711496	31712578	NM_001286504.1	0.0025	-	31711496	31712578	165,35,
peak17919	2.58	7.24436E-06	0.000229087	3.58	8.31764E-07	6.0256E-06	chr13	31711503	31712586	NM_001286505.1	0.00000083	-	31711503	31712586	158,43,
peak17952	1.07	3.71535E-05	0.000776247	9.19	1.38038E-07	1.28825E-06	chr13	41507542	41507890	NM_001145353.1	0.00000014	-	41507542	41507890	348,
peak17960	1.15	1.69824E-06	7.24436E-05	8.58	9.12011E-08	8.91251E-07	chr13	41507593	41507891	NM_001370329.1	0.000000091	-	41507593	41507891	298,
peak17963	1.25	3.98107E-08	2.95121E-06	9.95	0.00060256	0.002238721	chr13	41507604	41507904	NM_001370330.1	0.0006	-	41507604	41507904	300,
peak17978	4.41	5.88844E-05	0.001071519	30.2	2.23872E-06	1.47911E-05	chr13	45147535	45147635	NM_183422.4	0.0000022	-	45147535	45147635	100,
peak18137	3.69	0.004466836	0.023988329	7.33	3.16228E-13	1.95266E-11	chr14	52195197	52195447	NM_002687.4	3.2E-13	+	52195197	52195447	150,
peak18151	3.37	0.001659587	0.011748976	3.96	3.01995E-05	0.000147911	chr14	52195197	52195447	NM_001042481.3	0.00003	+	52195197	52195447	250,

peak18154	3.81	0.000104713	0.00162181	5.4	0.000120226	0.000512861	chr14	52195255	52195356	NM_152330.4	0.00012	+	52195255	52195356	101,
peak18157	3.66	0.000295121	0.003388442	8.76	0.001318257	0.004677351	chr14	52195269	52195419	NM_001267047.1	0.0013	+	52195269	52195419	150,
peak18164	1.48	1.1749E-05	0.000323594	37.9	3.46737E-09	5.49541E-08	chr14	55509682	55510928	NM_080867.3	3.5E-09	+	55509682	55510928	1246,
peak18165	2.93	3.63078E-06	0.000131826	44	0.000489779	0.001862087	chr14	55509900	55510298	NM_199421.2	0.00049	+	55509900	55510298	398,
peak18198	2.44	0.002398833	0.015488166	26.2	2.95121E-07	2.45471E-06	chr14	57741042	57741143	NM_018229.4	0.0000003	+	57741042	57741143	101,
peak18216	2.08	0.000131826	0.001862087	15.8	0.000281838	0.001122018	chr14	60591184	60591385	NM_001330177.2	0.00028	+	60591184	60591385	201,
peak18229	3.04	1.28825E-05	0.000354813	6.23	0.006309573	0.020892961	chr14	64586160	64586310	NM_182914.2	0.0063	+	64586160	64586310	150,
peak18232	2	0.004897788	0.025703958	3.67	0.003162278	0.010715193	chr14	64319771	64375826	NM_015180.5	0.0032	+	64319771	64375826	90,11,
peak18239	3.37	1.25893E-05	0.000346737	5.67	0.003981072	0.013489629	chr14	64586146	64586296	NM_015180.5	0.004	+	64586146	64586296	150,
peak18251	2.5	0.001548817	0.011481536	2.78	0.000776247	0.012589254	chr14	65528225	65528375	NM_001202559.1	0.00078	+	65528225	65528375	150,
peak18296	2.47	0.003890451	0.021877616	4.4	6.45654E-05	0.000288403	chr14	67849245	67850118	NM_004094.5	0.000065	+	67849245	67850118	62,87,
peak18313	2.56	3.01995E-07	1.77828E-05	8.25	0.001513561	0.005370318	chr14	72054774	72055173	NM_001284245.3	0.0015	+	72054774	72055173	399,
peak18315	2.44	7.76247E-06	0.000239883	6.75	0.000812831	0.003019952	chr14	72054784	72055183	NM_001354285.2	0.00081	+	72054784	72055183	399,
peak18316	2.72	0.000707946	0.006456542	4.86	0.001862087	0.028183829	chr14	72055530	72055730	NM_001354285.2	0.0019	+	72055530	72055730	200,
peak18319	2.14	2.5704E-05	0.00060256	9.44	0.003467369	0.011748976	chr14	72054866	72055166	NM_001354286.2	0.0035	+	72054866	72055166	300,
peak18323	2.37	1.28825E-06	5.88844E-05	5.33	0.001348963	0.004897788	chr14	72054787	72055188	NM_001354287.2	0.0013	+	72054787	72055188	401,
peak18324	2.68	0.000707946	0.006456542	4.86	0.000831764	0.013489629	chr14	72055537	72055738	NM_001354287.2	0.00083	+	72055537	72055738	201,
peak18326	2.33	1.8197E-06	7.58578E-05	5.33	0.000501187	0.001905461	chr14	72054788	72055189	NM_001354288.2	0.0005	+	72054788	72055189	401,
peak18327	2.68	0.000707946	0.006456542	4.86	0.000851138	0.013803843	chr14	72055537	72055738	NM_001354288.2	0.00085	+	72055537	72055738	201,
peak18330	2.39	4.46684E-06	0.000154882	6.07	0.000323594	0.00128825	chr14	72054803	72055204	NM_015556.4	0.00032	+	72054803	72055204	401,
peak18331	2.84	0.000954993	0.008128305	3.88	0.001071519	0.016982437	chr14	72055553	72055754	NM_015556.4	0.0011	+	72055553	72055754	201,
peak18334	2.63	7.58578E-07	3.80189E-05	6.07	0.000229087	0.000912011	chr14	72054805	72055206	NM_001284247.3	0.00023	+	72054805	72055206	401,
peak18335	3.08	0.000162181	0.002187762	3.88	0.000891251	0.014125375	chr14	72055554	72055755	NM_001284247.3	0.00089	+	72055554	72055755	201,
peak18338	2.31	7.94328E-06	0.000245471	6.07	8.31764E-05	0.000363078	chr14	72054803	72055203	NM_001284246.2	0.000083	+	72054803	72055203	400,
peak18339	2.9	0.00144544	0.010715193	4.11	0.001174898	0.004265795	chr14	72055501	72055752	NM_001284246.2	0.0012	+	72055501	72055752	251,
peak18350	3.78	6.76083E-06	0.000213796	8	1.99526E-21	6.30957E-19	chr14	74035911	74040201	NM_001364177.1	2E-21	+	74035911	74040201	189,110,
peak18357	2.79	0.000316228	0.003548134	7.18	1.65959E-05	8.31764E-05	chr14	75276283	75276484	NM_019589.3	0.000017	+	75276283	75276484	201,
peak18370	4.61	3.01995E-07	1.77828E-05	3.83	0.00025704	0.004786301	chr14	77229360	77237580	NM_014909.5	0.00026	+	77229360	77237580	113,89,48,
peak18403	3.25	0.000954993	0.007943282	3.6	1.47911E-07	1.38038E-06	chr14	89044457	89068316	NM_001160104.2	0.00000015	+	89044457	89068316	27,75,49,
peak18406	2.88	0.003630781	0.020892961	3.6	7.07946E-08	7.24436E-07	chr14	89044476	89068334	NM_001326297.2	0.000000071	+	89044476	89068334	8,75,67,
peak18408	2.83	0.003090295	0.018197009	3.6	4.67735E-08	5.01187E-07	chr14	89044472	89068331	NM_001326300.2	0.000000047	+	89044472	89068331	12,75,64,
peak18409	2.83	0.003090295	0.018197009	3.6	4.16869E-08	4.67735E-07	chr14	89044472	89068331	NM_001326302.2	0.000000042	+	89044472	89068331	12,75,64,
peak18414	3.25	0.000954993	0.007943282	3.6	1.69824E-07	1.54882E-06	chr14	89044457	89068316	NM_001326310.2	0.000000017	+	89044457	89068316	27,75,49,
peak18416	2.83	0.004466836	0.023988329	3.6	7.76247E-08	7.76247E-07	chr14	89044475	89068334	NM_001326315.2	0.000000078	+	89044475	89068334	9,75,67,
peak18419	3.39	0.000363078	0.003890451	3.4	1.23027E-07	1.14815E-06	chr14	89044454	89068313	NM_024824.5	0.000000012	+	89044454	89068313	30,75,46,
peak18423	2.63	0.001348963	0.01023293	4	1.77828E-07	1.58489E-06	chr14	89044457	89069220	NR_136936.2	0.000000018	+	89044457	89069220	27,75,49,
peak18428	3.46	1.07152E-06	5.12861E-05	15.8	0.000162181	0.000676083	chr14	90429607	90429958	NM_001008744.2	0.00016	+	90429607	90429958	351,
peak18431	1.32	0.000275423	0.003235937	2.67	1.41254E-09	2.5704E-08	chr14	90871596	90871895	NM_001363669.1	1.4E-09	+	90871596	90871895	299,
peak18433	1.33	0.000977237	0.008128305	2.5	1.58489E-11	5.49541E-10	chr14	90871595	90871893	NM_006888.6	1.6E-11	+	90871595	90871893	298,
peak18435	1.52	0.002570396	0.016218101	2.84	1.62181E-09	2.88403E-08	chr14	90871623	90871923	NM_001363670.1	1.6E-09	+	90871623	90871923	300,
peak18529	3.01	0.000562341	0.005495409	25.6	1.86209E-06	1.23027E-05	chr14	103188682	103193081	NM_015156.4	0.0000019	+	103188682	103193081	71,277,
peak18536	1.18	0.001995262	0.013803843	3.53	1.02329E-07	0.000001	chr14	103803528	103804777	NM_001969.5	0.00000001	+	103803528	103804777	36,114,
peak18548	2.94	1.23027E-08	0.000001	18.5	1.02329E-06	7.24436E-06	chr14	105267783	105268774	NM_001137601.3	0.000001	+	105267783	105268774	991,
peak18556	2.94	0.002818383	0.017378008	3.47	0.001	0.003630781	chr14	21897223	21897324	NM_020920.4	0.001	-	21897223	21897324	101,
peak18560	2.62	0.000123027	0.001778279	45.3	1.04713E-06	7.4131E-06	chr14	21899361	21899910	NM_001170629.2	0.000001	-	21899361	21899910	549,
peak18628	1.6	0.000288403	0.003311311	21	7.24436E-06	4.0738E-05	chr14	35231152	35234034	NM_013448.3	0.0000072	-	35231152	35234034	277,122,
peak18629	2.93	0.00042658	0.004466836	3.25	0.00616595	0.020417379	chr14	35245597	35245698	NM_013448.3	0.0062	-	35245597	35245698	101,
peak18630	1.59	0.00030903	0.003467369	21	1.41254E-05	7.4131E-05	chr14	35231153	35234035	NM_182648.2	0.000014	-	35231153	35234035	276,123,
peak18631	2.93	0.00042658	0.004466836	3.25	0.01	0.032359366	chr14	35245599	35245700	NM_182648.2	0.01	-	35245599	35245700	101,
peak18640	3.44	0.001380384	0.010471285	4.6	4.7863E-05	0.000218776	chr14	36159098	36190982	NM_001330075.3	0.000048	-	36159098	36190982	111,89,
peak18647	3.02	0.000338844	0.003801894	4.6	8.12831E-05	0.000354813	chr14	36159047	36191031	NM_001346248.2	0.000081	-	36159047	36191031	162,138,
peak18652	2.99	0.004365158	0.023442288	5.38	7.07946E-05	0.000316228	chr14	36159135	36191020	NM_194301.4	0.000071	-	36159135	36191020	74,127,
peak18670	4.04	0.004265795	0.023442288	1.82	0.000446684	0.001737801	chr14	50262574	50266205	NM_001301732.2	0.00045	-	50262574	50266205	88,13,
peak18675	1.46	0.004466836	0.023988329	1.45	2.75423E-08	3.23594E-07	chr14	51132320	51134675	NM_021818.4	0.000000028	-	51132320	51134675	17,84,
peak18677	2.32	4.7863E-05	0.000933254	2	0.000354813	0.001380384	chr14	51206097	51208392	NM_020921.3	0.00035	-	51206097	51208392	108,93,
peak18695	4.39	0.000588844	0.005623413	6	0.002137962	0.031622777	chr14	53504271	53504471	NM_001160147.2	0.0021	-	53504271	53504471	200,
peak18699	4.42	0.000562341	0.005495409	6	0.001778279	0.026915348	chr14	53504271	53504472	NM_001160148.2	0.0018	-	53504271	53504472	201,

peak18703	4.42	0.000457088	0.004677351	6	0.002570396	0.03801894	chr14	53504269	53504470	NM_030637.3	0.0026	-	53504269	53504470	201,
peak18744	5.34	8.12831E-06	0.000245471	4.21	3.46737E-09	5.62341E-08	chr14	61747559	61747659	NM_001017970.3	3.5E-09	-	61747559	61747659	100,
peak18803	3.03	0.000371535	0.004073803	5.57	5.7544E-05	0.00025704	chr14	78140044	78140195	NM_006020.3	0.000058	-	78140044	78140195	151,
peak18806	4	5.62341E-06	0.000186209	4.17	9.33254E-06	5.12861E-05	chr14	78217725	78221457	NM_001318844.2	0.0000093	-	78217725	78221457	98,148,
peak18809	5	5.88844E-05	0.001071519	3.64	0.000812831	0.003019952	chr14	78217772	78221358	NM_012245.3	0.00081	-	78217772	78221358	51,49,
peak18827	1.28	0.000114815	0.001698244	13.8	1.12202E-07	1.07152E-06	chr14	89628846	89647076	NM_005197.4	0.00000011	-	89628846	89647076	467,32,
peak18829	1.28	0.000676083	0.006309573	10.6	1.54882E-06	1.04713E-05	chr14	89628938	89647068	NM_001085471.2	0.0000015	-	89628938	89647068	375,24,
peak18860	1.69	0.001122018	0.008912509	8.51	5.01187E-11	1.54882E-09	chr14	93407882	93408181	NM_001142593.3	5E-11	-	93407882	93408181	299,
peak18861	1.61	0.000776247	0.00691831	7.3	3.71535E-10	8.31764E-09	chr14	93407848	93408149	NM_014216.6	3.7E-10	-	93407848	93408149	301,
peak18862	1.67	0.000194984	0.002511886	8.88	6.30957E-20	1.25893E-17	chr14	93407861	93408161	NM_001363707.1	6.3E-20	-	93407861	93408161	300,
peak18871	2.27	8.70964E-06	0.00025704	2.57	1E-23	3.98107E-21	chr14	94849078	94849178	NM_000295.5	1E-23	-	94849078	94849178	100,
peak18873	2.26	2.5704E-05	0.00060256	2.26	1.58489E-12	7.94328E-11	chr14	94849083	94849183	NM_001002236.3	1.6E-12	-	94849083	94849183	100,
peak18875	2.26	8.31764E-06	0.000251189	2.55	6.30957E-11	1.86209E-09	chr14	94849081	94849180	NM_001127705.2	6.3E-11	-	94849081	94849180	99,
peak18879	1.8	0.000776247	0.00691831	17.7	0.002089296	0.007413102	chr14	95569820	95570419	NM_001271282.3	0.0021	-	95569820	95570419	599,
peak18883	1.78	0.001318257	0.01023293	17.7	0.001479108	0.005248075	chr14	95569818	95570417	NM_001291628.1	0.0015	-	95569818	95570417	599,
peak18895	1.62	0.003162278	0.018620871	5.52	5.49541E-06	3.16228E-05	chr14	99981143	99982545	NM_001144995.2	0.0000055	-	99981143	99982545	529,21,
peak18918	3.53	7.76247E-05	0.00128825	1.88	1.8197E-05	9.12011E-05	chr14	103406003	103406256	NM_006035.4	0.000018	-	103406003	103406256	61,90,
peak18946	2.04	3.16228E-06	0.00011749	33.6	2.13796E-10	5.24807E-09	chr14	105477507	105478207	NM_017955.4	2.1E-10	-	105477507	105478207	700,
peak18964	1.19	0.000457088	0.004677351	6.25	1.94984E-06	1.28825E-05	chr14	105685345	105688144	NM_001242788.2	0.0000019	-	105685345	105688144	45,82,62,160,
peak19002	2.11	0.000218776	0.002754229	106	1.58489E-14	1.58489E-12	chr15	38643325	38643724	NM_152594.3	1.6E-14	+	38643325	38643724	399,
peak19017	3.98	3.23594E-07	1.86209E-05	11.2	9.77237E-05	0.00042658	chr15	41625226	41648250	NM_001243143.2	0.000098	+	41625226	41648250	22,69,144,97,14,
peak19025	2.92	9.33254E-06	0.000275423	11	0.009120108	0.030199517	chr15	42042432	42042632	NM_001080541.2	0.0091	+	42042432	42042632	200,
peak19026	2.22	0.004365158	0.023442288	11.8	0.002691535	0.009332543	chr15	42058601	42058802	NM_001080541.2	0.0027	+	42058601	42058802	201,
peak19032	2.78	0.000295121	0.003388442	9.1	0.008912509	0.029512092	chr15	42042519	42042620	NM_001164273.1	0.0089	+	42042519	42042620	101,
peak19125	1.6	0.000295121	0.003388442	10	3.31131E-09	5.37032E-08	chr15	59323294	59323843	NM_001270528.2	3.3E-09	+	59323294	59323843	549,
peak19127	3.04	0.002818383	0.017378008	7	3.31131E-09	5.37032E-08	chr15	59373403	59377874	NM_001270528.2	3.3E-09	+	59373403	59377874	80,153,17,
peak19130	1.52	0.000141254	0.001995262	8.25	2.13796E-09	3.71535E-08	chr15	59323241	59323837	NM_001270529.2	2.1E-09	+	59323241	59323837	596,
peak19132	2.47	0.001071519	0.008709636	7.14	2.13796E-09	3.71535E-08	chr15	59373293	59377889	NM_001270529.2	2.1E-09	+	59373293	59377889	190,126,32,
peak19135	1.7	8.31764E-05	0.001380384	8.25	1.8197E-09	3.23594E-08	chr15	59323241	59323838	NM_001330331.2	1.8E-09	+	59323241	59323838	597,
peak19137	2.74	0.000151356	0.002137962	7.17	1.8197E-09	3.23594E-08	chr15	59373292	59377911	NM_001330331.2	1.8E-09	+	59373292	59377911	191,153,54,
peak19140	1.71	0.000102329	0.001548817	8.25	1.77828E-09	3.16228E-08	chr15	59323241	59323837	NM_017610.8	1.8E-09	+	59323241	59323837	596,
peak19142	2.17	0.002187762	0.014454398	6.25	1.77828E-09	3.16228E-08	chr15	59373291	59377888	NM_017610.8	1.8E-09	+	59373291	59377888	192,126,31,
peak19144	1.54	0.000138038	0.001949845	8.25	2.69153E-09	4.46684E-08	chr15	59323290	59323840	NM_001270530.1	2.7E-09	+	59323290	59323840	550,
peak19146	2.82	0.000467735	0.004677351	7	2.69153E-09	4.46684E-08	chr15	59373399	59377897	NM_001270530.1	2.7E-09	+	59373399	59377897	84,126,40,
peak19208	1.18	0.004570882	0.023988329	15	0.001047129	0.003801894	chr15	67482982	67483480	NM_005902.4	0.001	+	67482982	67483480	498,
peak19210	1.4	0.000223872	0.002754229	6.73	1.77828E-05	9.12011E-05	chr15	68378670	68379070	NM_016166.2	0.000018	+	68378670	68379070	400,
peak19269	2.51	0.001047129	0.008709636	2.29	0.00017378	0.003311311	chr15	81592595	81592745	NM_001172128.2	0.00017	+	81592595	81592745	150,
peak19274	2.51	0.001047129	0.008709636	2.29	0.000281838	0.005011872	chr15	81592593	81592744	NM_001352684.2	0.00028	+	81592593	81592744	151,
peak19297	4.21	1.23027E-05	0.000338844	2.7	0.000346737	0.006025596	chr15	85345133	85345284	NM_014630.3	0.00035	+	85345133	85345284	151,
peak19299	1.77	4.89779E-05	0.000954993	18.4	2.69153E-06	1.69824E-05	chr15	86122441	86122891	NM_006738.6	0.0000027	+	86122441	86122891	450,
peak19300	2.12	1.58489E-07	1.02329E-05	22.4	6.45654E-05	0.000288403	chr15	86123290	86124240	NM_006738.6	0.000065	+	86123290	86124240	950,
peak19306	1.86	0.000234423	0.002818383	20.3	2.23872E-06	1.44544E-05	chr15	86122440	86122890	NM_007200.5	0.0000022	+	86122440	86122890	450,
peak19307	1.87	4.7863E-07	2.63027E-05	21.9	0.000436516	0.001659587	chr15	86123288	86123938	NM_007200.5	0.00044	+	86123288	86123938	650,
peak19485	3.66	0.000380189	0.004168694	3	1.31826E-08	1.69824E-07	chr15	34445139	34446863	NM_024713.3	0.000000013	-	34445139	34446863	131,19,
peak19489	4.46	0.003388442	0.019498446	2.25	5.12861E-07	2.23872E-05	chr15	37183945	37184046	NM_172315.3	0.00000051	-	37183945	37184046	101,
peak19496	4.46	0.003388442	0.019498446	2.25	9.54993E-06	0.000269153	chr15	37183945	37184046	NM_170677.5	0.0000095	-	37183945	37184046	101,
peak19506	6.63	8.51138E-06	0.00025704	11.5	0.001258925	0.004570882	chr15	41379840	41384334	NR_104038.1	0.0013	-	41379840	41384334	40,110,
peak19509	5.63	2.04174E-06	8.31764E-05	11.3	0.001479108	0.005248075	chr15	41379773	41384366	NM_017553.3	0.0015	-	41379773	41384366	107,142,
peak19549	2.2	0.002570396	0.016218101	5.8	8.70964E-06	4.67735E-05	chr15	43661194	43662010	NM_152455.3	0.0000087	-	43661194	43662010	131,217,
peak19552	1.96	0.001412538	0.010715193	5.6	3.01995E-06	0.0001	chr15	43661198	43662064	NM_001372080.1	0.000003	-	43661198	43662064	127,271,
peak19559	4.51	0.000891251	0.007585776	16.3	0.014454398	0.046773514	chr15	44876155	44876455	NM_001160227.2	0.014	-	44876155	44876455	300,
peak19630	2.28	0.001412538	0.010471285	6.29	2.69153E-05	0.000131826	chr15	59179193	59179449	NM_001013843.3	0.000027	-	59179193	59179449	125,25,
peak19634	2.28	0.001412538	0.010471285	6.29	0.000588844	0.002238721	chr15	59179194	59179450	NM_024755.4	0.00059	-	59179194	59179450	124,26,
peak19668	2.56	0.000251189	0.003019952	3.58	1.94984E-06	1.28825E-05	chr15	62207978	62208178	NM_020821.3	0.0000019	-	62207978	62208178	200,
peak19672	2.84	6.91831E-05	0.001202264	2.81	6.76083E-09	9.77237E-08	chr15	62207969	62208170	NM_001018088.2	6.8E-09	-	62207969	62208170	201,
peak19677	2.71	0.000114815	0.001698244	2.81	3.80189E-07	3.0903E-06	chr15	62208006	62208157	NM_018080.3	0.00000038	-	62208006	62208157	151,
peak19683	2.64	0.000346737	0.003801894	2.4	0.000199526	0.000812831	chr15	64067519	64067620	NM_003922.4	0.0002	-	64067519	64067620	101,

peak19761	1.24	0.002818383	0.017378008	36.2	3.71535E-07	3.01995E-06	chr15	75663711	75668113	NM_001145358.2	0.000000037	-	75663711	75668113	839,108,
peak19765	1.25	0.002290868	0.014791084	38.6	1.41254E-06	9.54993E-06	chr15	75663715	75668069	NM_015477.3	0.0000014	-	75663715	75668069	835,64,
peak19767	1.94	0.000660693	0.00616595	4.56	0.001148154	0.004168694	chr15	75684703	75687117	NM_015477.3	0.0011	-	75684703	75687117	453,97,
peak19769	1.26	0.001995262	0.013489629	38.6	4.7863E-06	2.81838E-05	chr15	75663714	75668068	NM_001145357.2	0.0000048	-	75663714	75668068	836,63,
peak19771	1.93	0.000645654	0.00616595	4.56	0.00128825	0.004570882	chr15	75684703	75687116	NM_001145357.2	0.0013	-	75684703	75687116	453,96,
peak19803	1.53	0.00144544	0.010715193	4.25	1.8197E-07	1.62181E-06	chr15	77407371	77407522	NM_024776.4	0.00000018	-	77407371	77407522	151,
peak19816	2.97	0.004786301	0.025118864	7.56	0.001659587	0.005888437	chr15	82443875	82444323	NM_001040610.2	0.0017	-	82443875	82444323	448,
peak19830	2.39	0.002089296	0.014125375	3.41	0.001819701	0.006456542	chr15	90378523	90378674	NM_005829.5	0.0018	-	90378523	90378674	151,
peak19831	2.38	0.002089296	0.014125375	3.41	0.001071519	0.003890451	chr15	90378520	90378671	NR_037582.2	0.0011	-	90378520	90378671	151,
peak19836	1.93	1.58489E-05	0.000416869	3.41	3.89045E-05	0.00018197	chr15	91525100	91527335	NM_003981.4	0.000039	-	91525100	91527335	111,88,
peak19869	1.71	0.003981072	0.021877616	8.13	0.002238721	0.007943282	chr15	101718262	101719006	NM_014918.5	0.0022	-	101718262	101719006	744,
peak19871	2.26	0.000223872	0.002754229	8.87	1.07152E-05	5.62341E-05	chr16	597777	597928	NM_005632.3	0.000011	+	597777	597928	151,
peak19885	3.4	1.44544E-05	0.000380189	6.37	1.86209E-06	1.23027E-05	chr16	1270372	1270722	NM_021098.3	0.0000019	+	1270372	1270722	350,
peak19896	1.86	0.000537032	0.005248075	4.35	1.04713E-09	1.99526E-08	chr16	2087938	2088088	NM_004785.6	0.000000001	+	2087938	2088088	150,
peak19897	1.87	3.46737E-07	1.99526E-05	4.35	0.002691535	0.009332543	chr16	2086976	2088088	NM_001252073.2	0.0027	+	2086976	2088088	23,63,262,
peak19901	1.62	1.62181E-05	0.000416869	13.9	8.51138E-10	1.65959E-08	chr16	2546040	2546538	NM_001199107.2	8.5E-10	+	2546040	2546538	498,
peak19904	1.61	5.49541E-05	0.001023293	13.9	1.25893E-09	2.34423E-08	chr16	2546040	2546590	NM_020705.3	1.3E-09	+	2546040	2546590	550,
peak19918	3.45	1.51356E-07	9.77237E-06	1.19	3.23594E-05	0.000154882	chr16	2815135	2815236	NM_016333.4	0.000032	+	2815135	2815236	101,
peak19953	2.29	0.002041738	0.013803843	4.06	1.69824E-05	8.70964E-05	chr16	3529569	3533431	NM_001083601.3	0.000017	+	3529569	3533431	31,97,69,
peak19991	6.64	6.91831E-05	0.001202264	6.67	0.005370318	0.017782794	chr16	4921239	4922922	NM_001288656.1	0.0054	+	4921239	4922922	63,38,
peak19993	3.36	0.004786301	0.025118864	11.8	4.16869E-09	6.45654E-08	chr16	5134830	5135081	NM_019109.5	4.2E-09	+	5134830	5135081	251,
peak19994	4.65	2.81838E-08	2.13796E-06	7.75	4.16869E-09	3.80189E-07	chr16	5135280	5135630	NM_019109.5	4.2E-09	+	5135280	5135630	350,
peak19996	4.83	5.88844E-08	4.2658E-06	7.75	5.7544E-06	0.00017378	chr16	5135334	5135635	NM_001330504.1	0.0000058	+	5135334	5135635	301,
peak20004	1.38	0.000162181	0.002187762	5.33	1.54882E-06	1.07152E-05	chr16	10997631	11002949	NM_001286403.2	0.0000015	+	10997631	11002949	121,69,110,
peak20009	1.4	0.000186209	0.002398833	5.33	6.30957E-06	3.63078E-05	chr16	10997633	11004106	NR_104444.2	0.0000063	+	10997633	11004106	119,69,62,
peak20028	6.54	3.0903E-05	0.000691831	1.71	4.89779E-09	7.58578E-08	chr16	14354844	14354945	NM_001365412.2	4.9E-09	+	14354844	14354945	101,
peak20034	6.2	0.00020893	0.002691535	2.16	6.16595E-06	3.54813E-05	chr16	14354846	14354947	NM_001365411.2	0.0000062	+	14354846	14354947	101,
peak20038	6.4	8.51138E-05	0.001380384	1.45	8.12831E-05	0.000363078	chr16	14354839	14354940	NM_001365413.2	0.0000081	+	14354839	14354940	101,
peak20042	6.4	8.51138E-05	0.001380384	1.45	1.8197E-07	1.62181E-06	chr16	14354839	14354940	NM_001365414.2	0.00000018	+	14354839	14354940	101,
peak20068	4.73	0.002818383	0.017378008	22.2	1E-11	3.89045E-10	chr16	19278563	19278713	NM_001330509.1	1E-11	+	19278563	19278713	150,
peak20070	4.73	0.002818383	0.017378008	22.2	6.30957E-12	2.45471E-10	chr16	19278558	19278708	NM_016524.4	6.3E-12	+	19278558	19278708	150,
peak20072	4.52	0.002630268	0.016595869	18.5	2.51189E-12	1.04713E-10	chr16	19278555	19278706	NM_001308157.2	2.5E-12	+	19278555	19278706	151,
peak20138	3	0.004897788	0.025703958	2.6	4.46684E-05	0.001023293	chr16	23687199	23687399	NM_032486.4	0.000045	+	23687199	23687399	200,
peak20144	3	0.004897788	0.025703958	2.6	8.31764E-05	0.001737801	chr16	23687199	23687399	NR_037573.2	0.000083	+	23687199	23687399	200,
peak20156	1.93	0.003981072	0.021877616	3.71	2.88403E-05	0.000141254	chr16	24802694	24802894	NM_001351850.2	0.000029	+	24802694	24802894	200,
peak20163	1.87	0.001071519	0.008709636	2.83	0.000223872	0.000891251	chr16	24802670	24802870	NM_001330520.3	0.00022	+	24802670	24802870	200,
peak20170	2.09	0.000831764	0.00724436	3.67	0.000154882	0.000645654	chr16	24802669	24802869	NM_014494.4	0.00015	+	24802669	24802869	200,
peak20183	2.74	0.003548134	0.020417379	9.17	0.001380384	0.005011872	chr16	27790145	27790395	NM_015202.4	0.0014	+	27790145	27790395	250,
peak20203	1.23	0.001174898	0.009332543	10.4	5.12861E-07	3.98107E-06	chr16	30409539	30409838	NM_152652.3	0.00000051	+	30409539	30409838	299,
peak20208	3.71	5.88844E-06	0.000190546	1.59	0.001230269	0.004466836	chr16	30721307	30722083	NM_006662.3	0.0012	+	30721307	30722083	142,9,
peak20249	3.63	3.38844E-05	0.00074131	2.13	0.000288403	0.001148154	chr16	31092849	31094319	NM_014699.4	0.00029	+	31092849	31094319	173,28,
peak20258	1.37	0.000389045	0.004168694	25.2	6.0256E-08	6.30957E-07	chr16	48295351	48303934	NM_001300948.3	0.00000006	+	48295351	48303934	147,95,8,
peak20260	1.35	3.63078E-06	0.000131826	36.1	2.0893E-07	1.8197E-06	chr16	48292638	48304005	NM_031490.5	0.00000021	+	48292638	48304005	13,164,95,79,
peak20269	2.64	0.002344229	0.0151335612	4.12	4.46684E-06	2.63027E-05	chr16	50187965	50188116	NM_001365324.3	0.0000045	+	50187965	50188116	151,
peak20272	2.08	0.00162181	0.011748976	3.07	1.47911E-05	7.58578E-05	chr16	50828175	50828276	NM_015247.2	0.000015	+	50828175	50828276	101,
peak20275	2.04	0.003235937	0.019054607	3.78	4.0738E-06	2.45471E-05	chr16	50828164	50828264	NM_001042355.2	0.0000041	+	50828164	50828264	100,
peak20287	2.04	0.000436516	0.004570882	1.55	0.000204174	0.000831764	chr16	53191236	53191336	NM_001352127.2	0.0002	+	53191236	53191336	100,
peak20335	3	0.000831764	0.00724436	2.33	4.2658E-08	2.75423E-06	chr16	56852645	56857624	NM_001242795.2	0.000000043	+	56852645	56857624	5,90,6,
peak20367	3.5	0.000562341	0.005495409	14.4	4.36516E-07	3.38844E-06	chr16	58552659	58552808	NM_024860.3	0.00000044	+	58552659	58552808	149,
peak20370	3.08	0.002041738	0.013803843	3.71	7.58578E-07	5.62341E-06	chr16	66918342	66918542	NM_001329928.2	0.00000076	+	66918342	66918542	200,
peak20371	3.32	0.00018197	0.002398833	8	7.58578E-07	5.62341E-06	chr16	66918790	66918990	NM_001329928.2	0.00000076	+	66918790	66918990	200,
peak20378	3.08	0.002041738	0.013803843	3.71	4.46684E-07	3.46737E-06	chr16	66918339	66918539	NM_001329930.2	0.00000045	+	66918339	66918539	200,
peak20391	3.31	0.000158489	0.002137962	8	6.76083E-07	5.01187E-06	chr16	66918796	66918996	NM_001329933.2	0.00000068	+	66918796	66918996	200,
peak20395	1.68	0.000537032	0.005370318	7	0.000001	7.07946E-06	chr16	66918754	66919005	NM_001329934.2	0.000001	+	66918754	66919005	251,
peak20413	2.85	1.99526E-07	1.23027E-05	1.38	3.16228E-41	3.16228E-38	chr16	67902484	67904833	NM_001322040.2	3.2E-41	+	67902484	67904833	18,131,
peak20415	2.01	3.80189E-06	0.000138038	4.6	1.62181E-06	1.09648E-05	chr16	67927256	67942865	NM_006742.3	0.0000016	+	67927256	67942865	18,283,
peak20422	3.38	0.000457088	0.004677351	3.88	2.45471E-05	0.000120226	chr16	68597161	68597311	NM_001305203.2	0.000025	+	68597161	68597311	150,

peak20423	3.38	0.00047863	0.004897788	3.88	5.88844E-05	0.000263027	chr16	68597159	68597309	NM_001305207.2	0.000059	+	68597159	68597309	150,
peak20424	3.56	0.000549541	0.005370318	4.43	3.71535E-05	0.00017378	chr16	68597165	68597315	NM_001305208.2	0.000037	+	68597165	68597315	150,
peak20425	3.41	0.003467369	0.019952623	6.4	0.000616595	0.002290868	chr16	68597169	68597270	NM_133458.4	0.00062	+	68597169	68597270	101,
peak20426	3.38	0.000457088	0.004677351	3.88	1.65959E-05	8.51138E-05	chr16	68597162	68597312	NR_130976.2	0.000017	+	68597162	68597312	150,
peak20427	3.38	0.000457088	0.004677351	3.88	1.86209E-05	9.33254E-05	chr16	68597162	68597312	NR_130977.2	0.000019	+	68597162	68597312	150,
peak20430	5.23	0.00144544	0.010715193	5.33	0.001148154	0.004168694	chr16	69725972	69726122	NM_173215.3	0.0011	+	69725972	69726122	150,
peak20431	3.1	0.000204174	0.002570396	7.23	0.001737801	0.006025596	chr16	69727166	69727565	NM_173215.3	0.0017	+	69727166	69727565	399,
peak20433	4.88	9.77237E-05	0.001513561	5.45	1.99526E-06	1.31826E-05	chr16	69726193	69726193	NM_001113178.3	0.000002	+	69725942	69726193	251,
peak20434	3.61	0.00040738	0.004365158	8.73	1.99526E-06	1.31826E-05	chr16	69727241	69727541	NM_001113178.3	0.000002	+	69727241	69727541	300,
peak20437	5.13	9.12011E-05	0.001479108	6.83	8.12831E-06	4.46684E-05	chr16	69725962	69726212	NM_001367709.1	0.0000081	+	69725962	69726212	250,
peak20438	3.28	0.000162181	0.002187762	7.62	8.12831E-06	4.46684E-05	chr16	69727158	69727558	NM_001367709.1	0.0000081	+	69727158	69727558	400,
peak20441	4.81	0.00011749	0.001737801	5.45	1.99526E-06	1.31826E-05	chr16	69725943	69726194	NM_006599.4	0.000002	+	69725943	69726194	251,
peak20442	3.58	0.000676083	0.006309573	8.73	1.99526E-06	1.31826E-05	chr16	69727241	69727542	NM_006599.4	0.000002	+	69727241	69727542	301,
peak20445	5.09	0.000147911	0.002089296	5.45	2.0893E-06	1.38038E-05	chr16	69725940	69726141	NM_138713.4	0.0000021	+	69725940	69726141	201,
peak20446	3.64	0.000346737	0.003890451	8.04	2.0893E-06	1.38038E-05	chr16	69727239	69727539	NM_138713.4	0.0000021	+	69727239	69727539	300,
peak20449	5.14	0.000331131	0.003715352	6.08	2.18776E-06	1.44544E-05	chr16	69725970	69726220	NM_138714.4	0.0000022	+	69725970	69726220	250,
peak20450	3.23	0.00018197	0.002344229	7.23	2.18776E-06	1.44544E-05	chr16	69727166	69727565	NM_138714.4	0.0000022	+	69727166	69727565	399,
peak20453	4.9	0.000363078	0.003981072	8.67	3.11131E-06	2.04174E-05	chr16	69725933	69726134	NM_173214.3	0.0000033	+	69725933	69726134	201,
peak20454	3.38	0.000446684	0.004570882	6.68	3.11131E-06	2.04174E-05	chr16	69727183	69727534	NM_173214.3	0.0000033	+	69727183	69727534	351,
peak20483	1.89	0.00018197	0.002398833	15.3	2.39883E-05	0.000120226	chr16	71961611	71961861	NM_001270978.2	0.000024	+	71961611	71961861	250,
peak20487	4.17	0.000281838	0.003235937	2.29	1.54882E-05	0.00040738	chr16	72057067	72057168	NM_001361.5	0.000015	+	72057067	72057168	101,
peak20491	1.95	0.003019952	0.018197009	7.17	3.0903E-05	0.000147911	chr16	74338204	74339248	NM_002811.5	0.000031	+	74338204	74339248	88,62,
peak20501	2.42	2.69153E-07	1.62181E-05	4.54	0.00017378	0.000724436	chr16	77228353	77228603	NM_001286639.2	0.00017	+	77228353	77228603	250,
peak20504	2.35	1.02329E-06	4.89779E-05	4.98	0.000190546	0.000776247	chr16	77228361	77228611	NM_001286640.2	0.00019	+	77228361	77228611	250,
peak20507	1.4	0.000104713	0.001584893	5.31	0.00074131	0.002754229	chr16	77228372	77228572	NM_014940.4	0.00074	+	77228372	77228572	200,
peak20520	3.36	0.001819701	0.012882496	3.43	1.12202E-10	1.86209E-08	chr16	83830262	83830362	NM_001220490.2	1.1E-10	+	83830262	83830362	100,
peak20525	3.86	2.04174E-06	8.31764E-05	3.89	2.69153E-08	3.23594E-07	chr16	84684517	84690608	NM_001303451.2	0.000000027	+	84684517	84690608	19,132,
peak20527	3.86	1.99526E-06	8.12831E-05	3.89	4.89779E-09	7.58578E-08	chr16	84684517	84690607	NM_024731.4	4.9E-09	+	84684517	84690607	19,131,
peak20535	1.92	0.003311311	0.019054607	5.88	0.002691535	0.009332543	chr16	851221907	85122157	NM_001286565.1	0.0027	+	85121907	85122157	250,
peak20544	2.67	0.004168694	0.022908677	23.3	3.71535E-06	2.23872E-05	chr16	85706213	85706463	NM_014615.5	0.0000037	+	85706213	85706463	250,
peak20548	1.82	0.001202264	0.009549926	17.3	0.002137962	0.007413102	chr16	88500974	88501125	NM_001367624.2	0.0021	+	88500974	88501125	151,
peak20561	4.84	4.36516E-05	0.000870964	2.02	0.000154882	0.000645654	chr16	89616909	89617009	NM_003119.4	0.00015	+	89616909	89617009	100,
peak20615	4.83	5.12861E-08	3.71535E-06	7.75	0.000001	3.89045E-05	chr16	5135337	5135634	NM_001289029.1	0.000001	-	5135337	5135634	297,
peak20617	4.67	3.31131E-08	2.51189E-06	7.75	1.90546E-05	0.00047863	chr16	5135280	5135624	NM_201598.3	0.000019	-	5135280	5135624	344,
peak20640	1.91	0.001071519	0.008709636	10.7	0.00030903	0.001230269	chr16	17201507	17201906	NM_022166.4	0.00031	-	17201507	17201906	399,
peak20647	1.67	2.75423E-05	0.000630957	26.1	3.38844E-10	7.76247E-09	chr16	18820265	18820864	NM_015092.4	3.4E-10	-	18820265	18820864	599,
peak20654	6.43	2.39883E-08	1.86209E-06	12.1	0.000831764	0.003090295	chr16	19716599	19716849	NM_001348529.2	0.00083	-	19716599	19716849	250,
peak20658	6.43	1.38038E-08	1.09648E-06	12.7	0.000977237	0.003548134	chr16	19716598	19716848	NM_001348531.2	0.00098	-	19716598	19716848	250,
peak20664	6.09	6.60693E-07	3.38844E-05	10.6	0.001862087	0.006456542	chr16	19716556	19716806	NM_001348535.2	0.0019	-	19716556	19716806	250,
peak20667	2.08	0.000954993	0.008128305	2.3	1.38038E-05	7.07946E-05	chr16	19725972	19726272	NM_001348535.2	0.000014	-	19725972	19726272	300,
peak20668	6.39	4.89779E-07	2.69153E-05	10.8	0.003467369	0.012022644	chr16	19716639	19716789	NM_001348536.2	0.0035	-	19716639	19716789	250,
peak20687	2.11	0.001698244	0.012022644	24.8	0.000295121	0.001174898	chr16	23078875	23079026	NM_020718.3	0.0003	-	23078875	23079026	151,
peak20688	2.45	0.000234423	0.002884032	9.64	1.44544E-08	1.86209E-07	chr16	23079375	23079676	NM_020718.3	0.000000014	-	23079375	23079676	301,
peak20716	7.07	7.4131E-06	0.000229087	31.7	5.88844E-07	4.46684E-06	chr16	30594591	30596467	NM_152458.7	0.00000059	-	30594591	30596467	173,25,
peak20795	2.58	0.000194984	0.002511886	3.44	2.18776E-07	1.07152E-05	chr16	66544888	66545138	NM_004614.5	0.00000022	-	66544888	66545138	250,
peak20797	2.7	0.004786301	0.025118864	3.67	0.000120226	0.002398833	chr16	66545028	66545129	NR_073520.2	0.00012	-	66545028	66545129	101,
peak20799	2.88	0.000812831	0.00724436	3.44	3.54813E-05	0.000831764	chr16	66544890	66545140	NM_001172643.1	0.000035	-	66544890	66545140	250,
peak20801	2.96	0.004786301	0.025118864	3.78	1.7378E-05	0.000446684	chr16	66545026	66545126	NM_001271935.1	0.000017	-	66545026	66545126	100,
peak20803	2.7	0.004897788	0.025703958	3.56	2.45471E-07	1.1749E-05	chr16	66545030	66545130	NM_001172645.1	0.00000025	-	66545030	66545130	100,
peak20829	1.16	0.000251189	0.003019952	18.9	3.0903E-07	2.5704E-06	chr16	69152104	69152403	NM_001366605.1	0.00000031	-	69152104	69152403	299,
peak20831	1.4	0.000123027	0.001819701	16.2	2.69153E-07	2.23872E-06	chr16	69152109	69152406	NM_001366604.1	0.00000027	-	69152109	69152406	297,
peak20833	1.28	8.91251E-05	0.00144544	18.2	6.30957E-22	1.58489E-19	chr16	69152108	69152404	NM_001002847.3	6.3E-22	-	69152108	69152404	296,
peak20835	1.38	0.000562341	0.005370318	16.9	1.25893E-15	1.58489E-13	chr16	69152108	69152406	NM_001040144.2	1.3E-15	-	69152108	69152406	298,
peak20837	1.35	0.000123027	0.001778279	16.2	4.67735E-05	0.000213796	chr16	69152110	69152408	NM_001366602.1	0.000047	-	69152110	69152408	298,
peak20839	1.3	0.000223872	0.002754229	16.7	6.30957E-20	1.58489E-17	chr16	69152111	69152411	NM_001366603.1	6.3E-20	-	69152111	69152411	300,
peak20841	1.28	0.000162181	0.002187762	18.4	1.99526E-14	1.58489E-12	chr16	69152107	69152401	NM_001366606.1	2E-14	-	69152107	69152401	294,
peak20843	1.3	0.000223872	0.002754229	16.7	1.28825E-10	3.38844E-09	chr16	69152111	69152411	NM_001040146.5	1.3E-10	-	69152111	69152411	300,

peak20845	1.29	9.33254E-05	0.001479108	16.2	1.99526E-18	3.98107E-16	chr16	69152110	69152408	NM_001039690.5	2E-18	-	69152110	69152408	298,
peak20862	5.31	0.00025704	0.003019952	6.75	4.36516E-05	0.000204174	chr16	71319174	71319373	NM_001099642.2	0.000044	-	71319174	71319373	199,
peak20864	4.92	0.001348963	0.01023293	5	9.54993E-05	0.00040738	chr16	71319159	71319358	NM_001324374.2	0.000095	-	71319159	71319358	199,
peak20867	4.93	0.000436516	0.004570882	6.47	2.45471E-06	1.58489E-05	chr16	71319165	71319365	NM_001324378.2	0.0000025	-	71319165	71319365	200,
peak20869	5.19	0.000288403	0.003311311	5.17	7.07946E-05	0.000316228	chr16	71319165	71319365	NM_001324379.2	0.000071	-	71319165	71319365	200,
peak20870	5.3	0.00040738	0.004365158	6.5	3.54813E-05	0.000169824	chr16	71319173	71319373	NM_018348.6	0.000035	-	71319173	71319373	200,
peak20872	5.03	0.000234423	0.002818383	4.14	2.69153E-05	0.000131826	chr16	71319188	71319389	NM_001324377.2	0.000027	-	71319188	71319389	201,
peak20890	4.45	4.46684E-05	0.000891251	1.42	0.013182567	0.042657952	chr16	72830120	72830221	NM_006885.4	0.013	-	72830120	72830221	101,
peak20894	4.59	0.002951209	0.017782794	2.94	0.00074131	0.002754229	chr16	72991575	72991676	NM_006885.4	0.00074	-	72991575	72991676	101,
peak20900	3.13	0.000234423	0.002884032	3	0.002511886	0.008709636	chr16	72821370	72821571	NM_001164766.2	0.0025	-	72821370	72821571	201,
peak20905	1.71	0.000457088	0.004677351	4.38	0.000275423	0.005011872	chr16	72828219	72828470	NM_001164766.2	0.00028	-	72828219	72828470	251,
peak20908	4.61	0.000131826	0.001905461	2.14	0.000275423	0.001096478	chr16	72830114	72830215	NM_001164766.2	0.00028	-	72830114	72830215	101,
peak20940	1.35	0.003715352	0.020892961	8.22	5.7544E-08	6.0256E-07	chr16	74502948	74511327	NR_027265.2	0.000000058	-	74502948	74511327	13,89,114.63,87,34,
peak20942	6.21	2.29087E-07	1.38038E-05	6.88	0.000588844	0.002238721	chr16	74694935	74695086	NM_001370534.1	0.00059	-	74694935	74695086	151,
peak20943	5.9	3.38844E-08	2.51189E-06	5.07	9.12011E-07	6.60693E-06	chr16	74694943	74695143	NM_001370536.1	0.00000091	-	74694943	74695143	200,
peak20944	6.13	5.12861E-08	3.71535E-06	6.43	6.30957E-07	4.7863E-06	chr16	74694941	74695141	NM_001370539.1	0.00000063	-	74694941	74695141	200,
peak20974	1.96	2.13796E-06	8.70964E-05	10.4	0.012589254	0.040738028	chr16	75646301	75646600	NM_001324451.2	0.013	-	75646301	75646600	299,
peak20978	1.54	0.001698244	0.012022644	22	1.04713E-05	5.62341E-05	chr16	80718676	80718877	NM_152342.4	0.00001	-	80718676	80718877	201,
peak20989	6.61	5.12861E-07	2.81838E-05	9.29	3.89045E-05	0.00018197	chr16	82033106	82033407	NM_145168.3	0.000039	-	82033106	82033407	301,
peak21007	4.4	2.51189E-11	2.75423E-09	11.6	4.67735E-05	0.000213796	chr16	86565528	86565975	NM_001159377.2	0.000047	-	86565528	86565975	447,
peak21010	4.4	2.51189E-11	2.75423E-09	11.6	5.12861E-05	0.000234423	chr16	86565528	86565975	NM_001159378.2	0.000051	-	86565528	86565975	447,
peak21012	2.57	7.07946E-05	0.001230269	11.6	0.002754229	0.009549926	chr16	86565526	86565775	NM_001159379.2	0.0028	-	86565526	86565775	249,
peak21014	2.57	7.07946E-05	0.001230269	11.6	0.001737801	0.00616595	chr16	86565526	86565774	NM_001159380.2	0.0017	-	86565526	86565774	248,
peak21018	2.1	9.12011E-05	0.001479108	10.9	2.5704E-05	0.000125893	chr16	86565539	86565840	NR_027489.2	0.000026	-	86565539	86565840	301,
peak21145	2	2.75423E-06	0.000104713	1.24	1.14815E-05	6.0256E-05	chr17	16946169	16946270	NM_001364716.2	0.000011	+	16946169	16946270	101,
peak21152	2.15	3.16228E-06	0.00011749	1.27	3.31131E-06	2.04174E-05	chr17	16946168	16946269	NM_015134.4	0.0000033	+	16946168	16946269	101,
peak21191	2.27	0.001071519	0.008709636	7.45	0.001995262	0.007079458	chr17	27861271	27869632	NM_025142.1	0.002	+	27861271	27869632	47,54,
peak21199	1.72	0.001230269	0.009549926	7.5	5.01187E-09	7.58578E-08	chr17	28817200	28849545	NM_001007024.2	0.000000005	+	28817200	28849545	35,75,30,83,274,
peak21202	1.74	0.001905461	0.013182567	5.29	5.01187E-09	4.46684E-07	chr17	28851133	28851234	NM_001007024.2	0.000000005	+	28851133	28851234	101,
peak21203	1.77	0.004677351	0.024547089	8.8	3.54813E-07	2.88403E-06	chr17	28817218	28849567	NM_004871.3	0.00000035	+	28817218	28849567	17,75,30,83,296,
peak21213	1.99	3.0903E-07	1.8197E-05	4.38	4.2658E-05	0.000199526	chr17	29652915	29654761	NM_000267.3	0.000043	+	29652915	29654761	355,245,
peak21217	2.05	7.4131E-07	3.80189E-05	4.4	0.000138038	0.000588844	chr17	29653057	29654753	NM_001042492.3	0.00014	+	29653057	29654753	213,237,
peak21225	3.48	0.003090295	0.018620871	12.4	4.89779E-05	0.000223872	chr17	33585747	33586147	NM_001330183.2	0.000049	+	33585747	33586147	400,
peak21226	3.49	0.001737801	0.012302688	9.67	4.89779E-05	0.000223872	chr17	33586246	33586646	NM_001330183.2	0.000049	+	33586246	33586646	400,
peak21231	3.5	0.001995262	0.013803843	12.4	0.000131826	0.000549541	chr17	33585746	33586146	NM_144975.4	0.00013	+	33585746	33586146	400,
peak21232	3.66	0.001479108	0.010964782	10.7	0.000131826	0.000549541	chr17	33586244	33586643	NM_144975.4	0.00013	+	33586244	33586643	399,
peak21283	1.49	9.77237E-05	0.001513561	4.83	3.89045E-05	0.00018197	chr17	41352432	41355701	NM_031862.4	0.000039	+	41352432	41355701	193,95,58,4,
peak21291	1.46	1.99526E-06	8.12831E-05	6.08	1.07152E-05	5.7544E-05	chr17	41352414	41362013	NM_001291572.2	0.000011	+	41352414	41362013	211,95,94,
peak21312	1.11	0.002951209	0.017782794	17.5	2.04174E-08	2.51189E-07	chr17	41569592	41570180	NM_001302623.2	0.00000002	+	41569592	41570180	68,132,
peak21314	1.25	0.004168694	0.022908677	18	1.07152E-08	1.44544E-07	chr17	41569589	41570176	NM_001322220.2	0.000000011	+	41569589	41570176	71,128,
peak21317	1.11	0.002951209	0.017782794	17.5	1.8197E-08	2.23872E-07	chr17	41569592	41570180	NM_001322219.2	0.000000018	+	41569592	41570180	68,132,
peak21343	3.3	1.58489E-05	0.000416869	6.22	2.75423E-06	1.7378E-05	chr17	42635100	42635299	NM_001466.4	0.0000028	+	42635100	42635299	199,
peak21357	2.52	0.000275423	0.003235937	1.37	1.44544E-06	0.00001	chr17	45000575	45009494	NM_054022.4	0.0000014	+	45000575	45009494	12,65,109,62,
peak21359	2.41	0.000363078	0.003890451	1.32	2.18776E-08	2.69153E-07	chr17	45000575	45009495	NR_148349.2	0.000000022	+	45000575	45009495	12,65,109,63,
peak21360	2.85	0.001	0.008317638	1.32	1.23027E-08	1.62181E-07	chr17	45008487	45009496	NR_148350.2	0.000000012	+	45008487	45009496	86,64,
peak21361	2.4	0.000398107	0.004265795	1.32	4.67735E-08	5.12861E-07	chr17	45000575	45009495	NR_148351.2	0.000000047	+	45000575	45009495	12,65,109,63,
peak21362	1.13	5.88844E-05	0.001071519	16.2	8.31764E-07	6.16595E-06	chr17	45759842	45760091	NM_002265.6	0.00000083	+	45759842	45760091	249,
peak21382	3.18	0.0001	0.001548817	2.14	4.0738E-06	2.45471E-05	chr17	47904108	47904860	NM_001199155.2	0.0000041	+	47904108	47904860	53,98,
peak21388	3.18	0.0001	0.001548817	2.14	4.7863E-06	2.81838E-05	chr17	47904108	47904860	NM_001346706.2	0.0000048	+	47904108	47904860	53,98,
peak21477	1.13	0.00128825	0.01	14.8	5.7544E-06	3.31131E-05	chr17	71232934	71233083	NM_001288770.3	0.0000058	+	71232934	71233083	149,
peak21499	4.72	0.000338844	0.003801894	4	7.4131E-07	3.0903E-05	chr17	76045390	76045491	NM_001142640.1	0.00000074	+	76045390	76045491	101,
peak21505	4.72	0.000338844	0.003801894	4	8.31764E-07	3.38844E-05	chr17	76045390	76045490	NM_018996.3	0.00000083	+	76045390	76045490	100,
peak21542	3.54	7.24436E-07	3.71535E-05	3.2	0.003235937	0.047863009	chr17	648159	648360	NM_015721.3	0.0032	-	648159	648360	201,
peak21544	2.2	0.004897788	0.025703958	5.4	1.12202E-05	0.00030903	chr17	649856	650057	NM_015721.3	0.000011	-	649856	650057	201,
peak21557	3.59	0.000630957	0.005888437	7.24	8.91251E-05	0.000389045	chr17	962023	970382	NM_001282149.2	0.000089	-	962023	970382	84,66,
peak21562	3.51	0.000758578	0.00676083	7.28	0.00144544	0.005248075	chr17	962020	970379	NM_001322840.2	0.0014	-	962020	970379	87,63,
peak21567	3.57	4.67735E-06	0.000162181	10.8	5.24807E-05	0.000239883	chr17	961994	970403	NM_021962.5	0.000052	-	961994	970403	113,87,

peak21572	3.45	0.000645654	0.006025596	7.24	0.000295121	0.001174898	chr17	962015	970373	NM_001159746.3	0.0003	-	962015	970373	92,57,
peak21577	3.51	0.000758578	0.00676083	7.28	0.00040738	0.001548817	chr17	962022	970381	NM_001322841.2	0.00041	-	962022	970381	85,65,
peak21602	1.84	0.000660693	0.00616595	1.53	8.31764E-05	0.000363078	chr17	2601294	2601445	NM_001366662.1	0.000083	-	2601294	2601445	151,
peak21610	4.55	3.80189E-06	0.000134896	5.16	3.31131E-05	0.000158489	chr17	3910081	3910231	NM_015113.4	0.000033	-	3910081	3910231	150,
peak21611	1.9	2.34423E-05	0.000562341	9.13	2.5704E-06	1.65959E-05	chr17	3920923	3921228	NM_015113.4	0.0000026	-	3920923	3921228	101,99,
peak21620	1.21	0.000707946	0.006456542	8.44	4.36516E-06	2.63027E-05	chr17	4175580	4186109	NM_003342.4	0.0000044	-	4175580	4186109	231,17,
peak21623	3.28	1.41254E-05	0.000380189	8.57	0.00001	5.37032E-05	chr17	4575900	4576200	NM_001278241.2	0.00001	-	4575900	4576200	300,
peak21627	3.58	0.000724436	0.006606934	10.8	7.76247E-07	5.7544E-06	chr17	4575918	4576168	NM_014389.3	0.00000078	-	4575918	4576168	250,
peak21639	2.02	3.98107E-05	0.000812831	10.4	0.003630781	0.012302688	chr17	7138888	7139135	NM_001284518.1	0.0036	-	7138888	7139135	247,
peak21663	3.16	0.001380384	0.010471285	3.14	1.44544E-06	5.37032E-05	chr17	8445488	8448805	NM_001256012.2	0.0000014	-	8445488	8448805	110,40,
peak21671	2.43	0.000114815	0.001698244	18.8	5.88844E-08	6.30957E-07	chr17	10584119	10590092	NM_004589.4	0.000000059	-	10584119	10590092	451,49,
peak21672	2.62	0.000489779	0.004897788	5.75	0.001	0.003630781	chr17	12895767	12895916	NM_173717.1	0.001	-	12895767	12895916	149,
peak21683	3.4	7.07946E-06	0.000223872	5	1.38038E-05	7.24436E-05	chr17	16001705	16004808	NM_006311.4	0.000014	-	16001705	16004808	105,245,
peak21689	3.2	7.4131E-05	0.001258925	3.16	2.75423E-05	0.000134896	chr17	15995364	16004825	NM_001190440.1	0.000028	-	15995364	16004825	8,130,262,
peak21693	3.29	9.77237E-05	0.001513561	5.5	0.000645654	0.002454709	chr17	16001691	16004845	NM_001190438.1	0.00065	-	16001691	16004845	119,282,
peak21708	4.09	1.77828E-06	7.58578E-05	21.5	1.69824E-08	2.13796E-07	chr17	17749873	17750074	NM_001288787.2	0.000000017	-	17749873	17750074	201,
peak21711	4.14	1.12202E-05	0.000316228	11.8	4.2658E-05	0.000199526	chr17	17749863	17750063	NM_001288788.2	0.000043	-	17749863	17750063	200,
peak21719	4.12	1.58489E-06	6.91831E-05	10.9	0.001513561	0.005370318	chr17	17749859	17750009	NM_001350332.2	0.0015	-	17749859	17750009	150,
peak21732	1.4	0.000457088	0.004677351	22.7	0.000275423	0.001096478	chr17	19850803	19861658	NM_007202.4	0.00028	-	19850803	19861658	15,332,
peak21745	1.26	0.001174898	0.009332543	24.7	5.88844E-06	3.38844E-05	chr17	26975712	26976150	NR_045585.1	0.0000059	-	26975712	26976150	438,
peak21746	5.3	1.8197E-06	7.58578E-05	19.2	0.000416869	0.00162181	chr17	27051464	27051614	NM_138463.4	0.00042	-	27051464	27051614	150,
peak21794	5.92	1.65959E-06	7.07946E-05	4.18	7.07946E-08	7.24436E-07	chr17	27401329	27401580	NM_001346766.2	0.000000071	-	27401329	27401580	251,
peak21866	1.72	0.000524807	0.005128614	2.35	2.81838E-05	0.000138038	chr17	37420509	37421669	NM_001184906.2	0.000028	-	37420509	37421669	131,20,
peak21867	1.63	0.000323594	0.003630781	2.5	1.99526E-05	0.0001	chr17	37420505	37421665	NM_032875.3	0.00002	-	37420505	37421665	135,16,
peak21868	1.37	0.004073803	0.022387211	2.31	3.54813E-05	0.000165959	chr17	37420521	37420622	NM_001370208.1	0.000035	-	37420521	37420622	101,
peak21869	1.45	0.004073803	0.022387211	2.39	2.69153E-05	0.000131826	chr17	37420531	37420632	NM_001370209.1	0.000027	-	37420531	37420632	101,
peak21870	2.95	0.000389045	0.004168694	37.7	0.000295121	0.001174898	chr17	37915764	37915915	NM_001284516.1	0.0003	-	37915764	37915915	151,
peak21871	2.95	0.000371535	0.003981072	37.7	0.000169824	0.000707946	chr17	37915766	37915916	NM_001284514.1	0.00017	-	37915766	37915916	150,
peak21872	3.06	8.51138E-07	4.2658E-05	37.7	2.23872E-06	1.44544E-05	chr17	37915767	37915968	NM_001257408.2	0.0000022	-	37915767	37915968	201,
peak21873	2.97	0.000371535	0.003981072	37.7	0.000234423	0.000933254	chr17	37915764	37915914	NM_001257409.2	0.00023	-	37915764	37915914	150,
peak21874	2.95	0.000371535	0.003981072	37.7	0.000338844	0.001348963	chr17	37915765	37915916	NM_001257410.2	0.00034	-	37915765	37915916	151,
peak21875	3	0.000331131	0.003715352	36	0.000630957	0.002344229	chr17	37915762	37915912	NM_001257411.2	0.00063	-	37915762	37915912	150,
peak21876	3.01	0.000316228	0.003630781	37.7	6.91831E-05	0.00030903	chr17	37915768	37915919	NM_001257412.2	0.000069	-	37915768	37915919	151,
peak21877	2.97	0.000346737	0.003801894	37.7	0.000245471	0.001	chr17	37915765	37915915	NM_001257413.2	0.00025	-	37915765	37915915	150,
peak21878	3.06	8.51138E-07	4.2658E-05	37.7	2.18776E-06	1.44544E-05	chr17	37915767	37915968	NM_001257414.2	0.0000022	-	37915767	37915968	201,
peak21879	3.08	3.0903E-07	1.77828E-05	37.7	4.7863E-08	5.12861E-07	chr17	37915769	37915970	NM_001284515.2	0.000000048	-	37915769	37915970	201,
peak21880	3.06	8.51138E-07	4.2658E-05	37.7	1.25893E-06	8.70964E-06	chr17	37915768	37915968	NM_012481.5	0.0000013	-	37915768	37915968	200,
peak21881	2.95	0.000389045	0.004168694	37.7	0.00030903	0.001202264	chr17	37915764	37915915	NM_183228.3	0.00031	-	37915764	37915915	151,
peak21882	2.95	0.000389045	0.004168694	37.7	0.000112202	0.00047863	chr17	37915764	37915915	NM_183229.3	0.00011	-	37915764	37915915	151,
peak21883	2.95	0.000389045	0.004168694	37.7	0.000147911	0.000616595	chr17	37915764	37915915	NM_183230.3	0.00015	-	37915764	37915915	151,
peak21884	3	0.000331131	0.003715352	36	0.000371535	0.001412538	chr17	37915761	37915911	NM_183231.3	0.00037	-	37915761	37915911	150,
peak21885	3	0.000331131	0.003715352	36	0.000512861	0.001949845	chr17	37915761	37915911	NM_183232.3	0.00051	-	37915761	37915911	150,
peak21916	1.36	1.09648E-05	0.00030903	7.45	2.81838E-08	3.31131E-07	chr17	42289060	42293046	NM_001076684.3	0.000000028	-	42289060	42293046	55,134,121,65,25,
peak21921	3.49	0.001737801	0.012302688	1.56	6.30957E-32	3.98107E-29	chr17	42288458	42288696	NM_001076683.2	6.3E-32	-	42288458	42288696	62,39,
peak21922	1.01	0.000229087	0.002818383	7.03	6.30957E-32	3.98107E-29	chr17	42289069	42293056	NM_001076683.2	6.3E-32	-	42289069	42293056	46,134,121,65,35,
peak21930	2.85	0.000691831	0.006456542	4.17	1.7378E-06	1.14815E-05	chr17	42478462	42478662	NM_001304943.1	0.0000017	-	42478462	42478662	200,
peak21941	2.16	0.003019952	0.018197009	4.33	5.62341E-07	4.36516E-06	chr17	42478460	42478660	NM_001304939.2	0.00000056	-	42478460	42478660	200,
peak21952	2.18	0.003311311	0.019054607	4.29	5.49541E-07	4.16869E-06	chr17	42478447	42478648	NM_001304941.2	0.00000055	-	42478447	42478648	201,
peak21957	2.85	0.000691831	0.006456542	4.17	2.5704E-06	1.65959E-05	chr17	42478462	42478662	NM_001304942.2	0.00000026	-	42478462	42478662	200,
peak21973	1.86	0.001995262	0.013489629	4.36	0.000346737	0.001348963	chr17	46148164	46148313	NM_001127228.2	0.00035	-	46148164	46148313	149,
peak21996	2.74	0.004168694	0.022908677	1.8	3.31131E-05	0.000158489	chr17	48777201	48777975	NM_052855.4	0.000033	-	48777201	48777975	53,47,
peak22012	2.44	0.003090295	0.018620871	2.41	0.005011872	0.016982437	chr17	54991109	54991210	NM_005082.5	0.005	-	54991109	54991210	101,
peak22014	1.5	0.001071519	0.008709636	8.14	1.28825E-09	2.39883E-08	chr17	55028036	55028186	NM_004645.3	1.3E-09	-	55028036	55028186	150,
peak22019	1.53	0.004466836	0.023988329	11.8	0.000676083	0.002511886	chr17	56386177	56386477	NM_001261835.2	0.00068	-	56386177	56386477	300,
peak22030	3.22	0.002089296	0.014125375	4.75	0.001202264	0.004365158	chr17	56572421	56572621	NM_004687.5	0.0012	-	56572421	56572621	200,
peak22036	2.88	0.000177828	0.002344229	6.46	1.07152E-05	5.7544E-05	chr17	58121248	58121398	NM_022070.5	0.000011	-	58121248	58121398	150,
peak22057	2.7	0.003162278	0.019054607	2.89	0.000104713	0.000457088	chr17	65105711	65110499	NM_001330447.2	0.0001	-	65105711	65110499	91,60,

peak22061	2.57	0.002951209	0.018197009	2.89	0.000104713	0.000446684	chr17	65105709	65110497	NM_014877.4	0.0001	-	65105709	65110497	93,58,
peak22066	2.02	3.89045E-06	0.000138038	14.4	4.46684E-06	2.63027E-05	chr17	71203740	71204537	NM_001098832.1	0.0000045	-	71203740	71204537	797,
peak22068	2.27	1.14815E-05	0.000323594	7.8	0.000630957	0.002754229	chr17	71203788	71204037	NM_001289410.1	0.00063	-	71203788	71204037	249,
peak22075	3.38	1.65959E-05	0.000436516	5.56	4.2658E-05	0.000199526	chr17	73269309	73269658	NM_021734.4	0.000043	-	73269309	73269658	349,
peak22107	1.45	0.004897788	0.025118864	16.8	0.000104713	0.000446684	chr17	74077146	74077495	NM_001013839.4	0.0001	-	74077146	74077495	349,
peak22130	3.65	5.37032E-09	4.57088E-07	10.9	0.000380189	0.001479108	chr17	76803087	76803685	NM_001321291.1	0.00038	-	76803087	76803685	598,
peak22135	2.19	0.00025704	0.003019952	40	7.76247E-07	5.7544E-06	chr17	76989336	76989585	NM_001159772.2	0.00000078	-	76989336	76989585	249,
peak22136	2.28	0.000831764	0.00724436	39.1	2.45471E-07	2.0893E-06	chr17	76989340	76989541	NM_001159773.2	0.00000025	-	76989340	76989541	201,
peak22138	2.18	0.000263027	0.003090295	49.6	1.09648E-07	1.07152E-06	chr17	76989339	76989588	NM_138793.4	0.00000011	-	76989339	76989588	249,
peak22140	4.35	0.000251189	0.002951209	6.78	3.98107E-05	0.000186209	chr17	77768496	77768695	NM_020649.3	0.00004	-	77768496	77768695	199,
peak22147	4.41	0.000524807	0.005248075	4.07	0.015135612	0.047863009	chr17	77909981	77910381	NM_001271845.2	0.015	-	77909981	77910381	400,
peak22163	1.83	4.67735E-06	0.000158489	10.4	0.004265795	0.014454398	chr17	79525910	79526360	NM_001369698.1	0.0043	-	79525910	79526360	450,
peak22202	2.33	0.000363078	0.003981072	4.45	0.00018197	0.00074131	chr18	8825464	8825814	NM_015210.4	0.00018	+	8825464	8825814	350,
peak22209	1.17	0.004570882	0.024547089	9.43	7.58578E-07	5.62341E-06	chr18	9258232	9258880	NM_001083625.3	0.00000076	+	9258232	9258880	648,
peak22216	1.31	0.002238721	0.014791084	7	6.16595E-05	0.000275423	chr18	9258221	9258871	NM_015208.5	0.000062	+	9258221	9258871	650,
peak22217	2.96	0.004466836	0.023988329	5	0.000776247	0.002818383	chr18	9283186	9283287	NM_015208.5	0.00078	+	9283186	9283287	101,
peak22224	1.42	0.000138038	0.001949845	6.58	0.000158489	0.000645654	chr18	9258317	9258868	NM_001204056.1	0.00016	+	9258317	9258868	551,
peak22225	2.96	0.004466836	0.023988329	5.22	0.001479108	0.005248075	chr18	9283184	9283285	NM_001204056.1	0.0015	+	9283184	9283285	101,
peak22230	1.34	7.76247E-05	0.00128825	4.08	0.001548817	0.005495409	chr18	9536818	9537117	NM_006788.4	0.0015	+	9536818	9537117	299,
peak22322	2.81	6.91831E-05	0.001202264	9.67	4.2658E-09	6.60693E-08	chr18	56586147	56586448	NM_001318726.2	4.3E-09	+	56586147	56586448	301,
peak22326	2.93	7.24436E-05	0.001258925	9.67	3.16228E-14	2.51189E-12	chr18	56586143	56586442	NM_001353533.2	3.2E-14	+	56586143	56586442	299,
peak22330	2.53	1.86209E-05	0.000467735	14.2	2.04174E-10	5.01187E-09	chr18	56586112	56586462	NM_018181.6	2E-10	+	56586112	56586462	350,
peak22334	2.55	1.86209E-05	0.000467735	14.2	3.71535E-10	8.31764E-09	chr18	56586113	56586462	NR_148459.2	3.7E-10	+	56586113	56586462	349,
peak22339	2.99	9.54993E-05	0.001479108	17.5	9.54993E-10	1.86209E-08	chr18	56586130	56586429	NM_001318727.2	9.5E-10	+	56586130	56586429	299,
peak22343	2.68	3.46737E-05	0.00074131	14.2	1.28825E-10	3.38844E-09	chr18	56586118	56586467	NM_001353525.2	1.3E-10	+	56586118	56586467	349,
peak22348	2.95	4.2658E-05	0.000851138	9.67	3.31131E-06	2.04174E-05	chr18	56586141	56586442	NM_001353526.2	0.0000033	+	56586141	56586442	301,
peak22352	2.93	0.000144544	0.002041738	9.67	3.54813E-06	2.18776E-05	chr18	56586139	56586440	NM_001353530.2	0.0000035	+	56586139	56586440	301,
peak22357	2.82	8.12831E-05	0.001318257	9.67	4.16869E-06	2.51189E-05	chr18	56586148	56586446	NR_148460.2	0.0000042	+	56586148	56586446	298,
peak22362	2.6	1.69824E-05	0.000446684	15	1.20226E-09	2.23872E-08	chr18	56586111	56586460	NM_001318728.2	1.2E-09	+	56586111	56586460	349,
peak22366	2.82	0.000114815	0.001698244	9	2.95121E-10	6.76083E-09	chr18	56586137	56586437	NM_001353531.2	3E-10	+	56586137	56586437	300,
peak22370	2.71	3.80189E-05	0.000794328	15.8	5.01187E-16	6.30957E-14	chr18	56586120	56586471	NM_001353535.2	5E-16	+	56586120	56586471	351,
peak22374	2.7	7.24436E-05	0.001258925	9.67	4.2658E-09	6.60693E-08	chr18	56586148	56586449	NM_001353527.2	4.3E-09	+	56586148	56586449	301,
peak22378	3.23	6.91831E-05	0.001202264	17.5	2.13796E-09	3.71535E-08	chr18	56586128	56586427	NM_001353528.2	2.1E-09	+	56586128	56586427	299,
peak22382	2.5	6.91831E-05	0.001202264	17.5	2.88403E-10	6.76083E-09	chr18	56586126	56586474	NM_001353529.2	2.9E-10	+	56586126	56586474	348,
peak22386	3.08	4.2658E-05	0.000851138	15.2	6.30957E-11	1.86209E-09	chr18	56586131	56586432	NM_001353532.2	6.3E-11	+	56586131	56586432	301,
peak22390	3.2	7.58578E-05	0.001258925	17.5	1.25893E-11	4.67735E-10	chr18	56586127	56586427	NM_001353534.2	1.3E-11	+	56586127	56586427	300,
peak22394	3	9.12011E-05	0.001479108	17.5	7.94328E-17	1.25893E-14	chr18	56586130	56586430	NM_001353536.2	7.9E-17	+	56586130	56586430	300,
peak22398	3.25	6.16595E-05	0.001096478	17.5	1E-16	1.58489E-14	chr18	56586128	56586427	NM_001353537.2	1E-16	+	56586128	56586427	299,
peak22402	1.98	0.000229087	0.002818383	17.5	2.51189E-17	3.98107E-15	chr18	56586124	56586571	NM_001353538.2	2.5E-17	+	56586124	56586571	447,
peak22433	1.72	1.20226E-05	0.000331131	2.8	0.000537032	0.009120108	chr18	60646115	60646516	NM_194449.4	0.00054	+	60646115	60646516	401,
peak22447	4.4	0.002454709	0.015848932	15	2.34423E-07	1.99526E-06	chr18	72344317	72344618	NM_001146190.1	0.00000023	+	72344317	72344618	301,
peak22449	4.46	0.002187762	0.014454398	13.1	2.88403E-06	1.8197E-05	chr18	72344306	72344605	NM_001146189.1	0.00000029	+	72344306	72344605	299,
peak22451	4.72	0.001202264	0.009549926	13	1.86209E-05	9.33254E-05	chr18	72344311	72344610	NM_017757.2	0.000019	+	72344311	72344610	299,
peak22524	3.67	0.000229087	0.002818383	11.5	0.000295121	0.001148154	chr18	19153515	19153666	NM_052911.3	0.0003	-	19153515	19153666	151,
peak22682	1.82	6.91831E-07	3.63078E-05	8.34	9.77237E-05	0.00042658	chr19	3122400	3122750	NM_002067.5	0.000098	+	3122400	3122750	350,
peak22700	2.9	0.001318257	0.01	21	1.62181E-06	1.09648E-05	chr19	4409019	4409713	NM_005483.3	0.0000016	+	4409019	4409713	694,
peak22735	2.48	2.45471E-05	0.00057544	31.7	4.36516E-09	6.76083E-08	chr19	7083014	7083313	NM_024341.3	4.4E-09	+	7083014	7083313	299,
peak22748	1.33	0.000707946	0.006456542	9.83	6.16595E-09	9.12011E-08	chr19	7584189	7584485	NM_018083.5	6.2E-09	+	7584189	7584485	296,
peak22764	4.35	0.001819701	0.012589254	2	0.00060256	0.01	chr19	9452825	9452925	NM_001202406.1	0.0006	+	9452825	9452925	100,
peak22766	4.35	0.001819701	0.012589254	2	0.00057544	0.009549926	chr19	9452824	9452925	NM_001202409.1	0.00058	+	9452824	9452925	101,
peak22768	4.35	0.001819701	0.012589254	2	0.000190546	0.003630781	chr19	9452825	9452926	NM_001202407.2	0.00019	+	9452825	9452926	101,
peak22799	4.94	1.8197E-05	0.000467735	10	0.000870964	0.003162278	chr19	11242953	11243054	NM_000527.5	0.00087	+	11242953	11243054	101,
peak22803	4.94	3.0903E-06	0.000114815	9.4	3.54813E-06	2.13796E-05	chr19	11242955	11243055	NM_001195798.2	0.0000035	+	11242955	11243055	100,
peak22806	4.75	2.95121E-05	0.000660693	11.6	0.000162181	0.000660693	chr19	11242949	11243050	NM_001195803.2	0.00016	+	11242949	11243050	101,
peak22824	1.12	0.001096478	0.008912509	6.45	4.57088E-08	5.01187E-07	chr19	12903485	12903783	NM_002229.3	0.000000046	+	12903485	12903783	298,
peak22892	2.93	0.002630268	0.016595869	7.6	9.77237E-07	7.07946E-06	chr19	18779132	18779382	NM_001345982.2	0.00000098	+	18779132	18779382	250,
peak22896	2.59	0.003311311	0.019054607	9	1.86209E-05	9.33254E-05	chr19	18779119	18779417	NM_018316.3	0.000019	+	18779119	18779417	298,

peak22911	3.82	2.18776E-06	8.91251E-05	8.62	1.94984E-08	2.39883E-07	chr19	19466865	19467216	NM_015329.4	0.000000019	+	19466865	19467216	351,
peak22929	2.22	0.003388442	0.019498446	9.75	5.37032E-06	3.0903E-05	chr19	20003055	20003353	NM_001331133.1	0.0000054	+	20003055	20003353	298,
peak22930	2.35	0.001023293	0.00851138	9.75	1.86209E-05	9.33254E-05	chr19	20003053	20003352	NM_001331134.1	0.000019	+	20003053	20003352	299,
peak22931	1.33	0.000416869	0.004365158	9.75	2.88403E-06	1.8197E-05	chr19	20003038	20003438	NM_021047.3	0.0000029	+	20003038	20003438	400,
peak22978	3.42	0.000933254	0.007943282	3.65	0.00030903	0.001230269	chr19	32971339	32973060	NM_001172774.2	0.00031	+	32971339	32973060	124,76,
peak22986	1.41	0.002089296	0.014125375	14.2	0.004265795	0.014454398	chr19	34303847	34303947	NM_001129995.2	0.0043	+	34303847	34303947	100,
peak22987	1.47	0.002630268	0.016595869	15.6	0.000467735	0.001778279	chr19	34303840	34303940	NM_024076.3	0.00047	+	34303840	34303940	100,
peak22997	1.53	0.003311311	0.019498446	36.6	8.12831E-09	1.14815E-07	chr19	36726590	36726889	NM_001099638.1	8.1E-09	+	36726590	36726889	299,
peak23000	1.06	0.004365158	0.023442288	39.8	6.30957E-13	3.16228E-11	chr19	36726582	36726883	NM_001099639.1	6.3E-13	+	36726582	36726883	301,
peak23075	1.89	5.01187E-05	0.000954993	4.43	0.000125893	0.000537032	chr19	39667256	39668415	NM_001014831.3	0.00013	+	39667256	39668415	99,101,
peak23078	1.89	5.01187E-05	0.000954993	4.43	3.71535E-06	2.29087E-05	chr19	39667256	39668415	NM_001014832.2	0.0000037	+	39667256	39668415	99,101,
peak23081	1.53	7.07946E-05	0.001230269	5.25	2.88403E-07	2.39883E-06	chr19	39667265	39668374	NM_001014834.3	0.00000029	+	39667265	39668374	90,60,
peak23084	1.47	0.00018197	0.002344229	6.85	3.0903E-07	2.5704E-06	chr19	39667246	39668406	NM_001014835.2	0.00000031	+	39667246	39668406	109,92,
peak23087	1.6	0.002691535	0.016595869	5.95	2.69153E-06	1.69824E-05	chr19	39667289	39668398	NM_005884.4	0.0000027	+	39667289	39668398	66,84,
peak23096	4.12	0.000288403	0.003311311	5.67	0.000269153	0.004897788	chr19	39915905	39916056	NM_022835.3	0.00027	+	39915905	39916056	151,
peak23108	1.51	0.000851138	0.007413102	1.54	0.00030903	0.001230269	chr19	41798163	41798313	NM_144732.5	0.00031	+	41798163	41798313	150,
peak23154	1.45	0.00128825	0.009773732	5.33	0.000676083	0.011220185	chr19	44610579	44610827	NM_001321645.2	0.00068	+	44610579	44610827	248,
peak23157	1.35	0.001995262	0.013803843	6.67	0.000354813	0.001380384	chr19	44610573	44610821	NM_013398.4	0.00035	+	44610573	44610821	248,
peak23164	2.57	7.4131E-05	0.001258925	5.69	3.16228E-05	0.000151356	chr19	45166189	45166439	NM_001135769.3	0.000032	+	45166189	45166439	250,
peak23167	2.5	2.95121E-05	0.000660693	5.56	1.54882E-05	7.94328E-05	chr19	45166183	45166434	NM_006505.5	0.000015	+	45166183	45166434	251,
peak23209	1.87	0.000977237	0.008128305	28.8	6.60693E-05	0.000295121	chr19	47424927	47440534	NM_004491.5	0.000066	+	47424927	47440534	686,14,
peak23229	1.53	0.004677351	0.024547089	4.5	7.07946E-05	0.000316228	chr19	52327906	52328353	NM_002030.5	0.000071	+	52327906	52328353	447,
peak23235	1.63	1.14815E-05	0.000323594	7	0.00047863	0.001819701	chr19	52827887	52828335	NM_001297625.1	0.00048	+	52827887	52828335	448,
peak23275	2.46	0.001659587	0.012022644	14.1	0.009773732	0.031622777	chr19	56127929	56128376	NM_001195605.1	0.0098	+	56127929	56128376	447,
peak23281	3.02	0.000549541	0.005370318	6.75	4.36516E-08	2.75423E-06	chr19	56888971	56889170	NR_024055.2	0.00000044	+	56888971	56889170	199,
peak23284	2.27	3.63078E-05	0.000758578	6.5	9.12011E-08	5.12861E-06	chr19	56888851	56889201	NR_024057.2	0.000000091	+	56888851	56889201	350,
peak23286	2.27	3.63078E-05	0.000758578	6.75	1.69824E-07	8.70964E-06	chr19	56888857	56889207	NR_033418.1	0.00000017	+	56888857	56889207	350,
peak23287	2.65	0.003801894	0.021379621	13	0.000223872	0.000891251	chr19	56934359	56934559	NM_001159860.1	0.00022	+	56934359	56934559	200,
peak23293	2.51	0.000107152	0.00162181	9.2	5.88844E-07	4.46684E-06	chr19	57765173	57765722	NM_001023563.4	0.00000059	+	57765173	57765722	549,
peak23297	2.34	5.24807E-05	0.001	10.7	4.57088E-06	2.75423E-05	chr19	57765153	57765654	NM_001145078.2	0.0000046	+	57765153	57765654	501,
peak23307	2.61	1.09648E-05	0.000316228	16.9	0.001096478	0.003981072	chr19	57910050	57910348	NM_152909.3	0.0011	+	57910050	57910348	298,
peak23308	2.51	6.60693E-07	3.38844E-05	29.8	0.000724436	0.000269153	chr19	57910071	57910371	NM_001172773.2	0.00072	+	57910071	57910371	300,
peak23369	1.61	0.004073803	0.022387211	9.57	2.39883E-06	1.54882E-05	chr19	58805843	58806044	NM_021089.3	0.0000024	+	58805843	58806044	201,
peak23405	1.19	0.003090295	0.018620871	18.1	0.00074131	0.002754229	chr19	3631124	3631373	NM_012398.3	0.00074	-	3631124	3631373	249,
peak23438	3.24	5.88844E-06	0.000190546	5.11	0.000870964	0.003162278	chr19	6441815	6442064	NM_024103.3	0.00087	-	6441815	6442064	249,
peak23452	4.44	0.000229087	0.002754229	4.71	0.000354813	0.00616595	chr19	9523350	9523451	NM_001271314.1	0.00035	-	9523350	9523451	101,
peak23453	2.99	9.54993E-05	0.001479108	3.33	0.000109648	0.002238721	chr19	9523749	9523949	NM_001271314.1	0.00011	-	9523749	9523949	200,
peak23455	4.44	0.000229087	0.002754229	4.71	0.000269153	0.004897788	chr19	9523350	9523451	NM_006631.3	0.00027	-	9523350	9523451	101,
peak23456	3.03	9.54993E-05	0.001479108	3.33	5.7544E-05	0.001258925	chr19	9523749	9523950	NM_006631.3	0.000058	-	9523749	9523950	201,
peak23458	4.44	0.000229087	0.002754229	4.71	0.001348963	0.021379621	chr19	9523354	9523454	NM_001370374.1	0.0013	-	9523354	9523454	100,
peak23459	3.03	9.54993E-05	0.001479108	3.33	0.001348963	0.021379621	chr19	9523753	9523953	NM_001370374.1	0.0013	-	9523753	9523953	200,
peak23460	4.44	0.000229087	0.002754229	4.71	0.001862087	0.028183829	chr19	9523353	9523454	NM_001370375.1	0.0019	-	9523353	9523454	101,
peak23461	3.03	9.54993E-05	0.001479108	3.33	0.001862087	0.028183829	chr19	9523752	9523953	NM_001370375.1	0.0019	-	9523752	9523953	201,
peak23464	4.44	0.000229087	0.002754229	4.71	0.000165959	0.003235937	chr19	9523352	9523452	NM_001370376.1	0.00017	-	9523352	9523452	100,
peak23465	2.99	9.54993E-05	0.001479108	3.33	3.71535E-05	0.000870964	chr19	9523749	9523998	NM_001370376.1	0.000037	-	9523749	9523998	249,
peak23468	4.44	0.000229087	0.002754229	4.71	0.00040738	0.007079458	chr19	9523352	9523452	NM_001370377.1	0.00041	-	9523352	9523452	100,
peak23469	2.99	9.54993E-05	0.001479108	3.33	9.54993E-05	0.001949845	chr19	9523748	9523997	NM_001370377.1	0.000095	-	9523748	9523997	249,
peak23471	4.44	0.000229087	0.002754229	4.71	0.000758578	0.012302688	chr19	9523353	9523454	NM_001370378.1	0.00076	-	9523353	9523454	101,
peak23472	3.03	9.54993E-05	0.001479108	3.33	0.000758578	0.012302688	chr19	9523752	9523952	NM_001370378.1	0.00076	-	9523752	9523952	200,
peak23475	4.44	0.000229087	0.002754229	4.71	0.00018197	0.003467369	chr19	9523351	9523451	NM_001370379.1	0.00018	-	9523351	9523451	100,
peak23476	2.98	0.000354813	0.003890451	3.33	8.70964E-05	0.001819701	chr19	9523747	9523996	NM_001370379.1	0.000087	-	9523747	9523996	249,
peak23479	4.44	0.000229087	0.002754229	4.71	0.000269153	0.004897788	chr19	9523352	9523452	NM_001370380.1	0.00027	-	9523352	9523452	100,
peak23480	2.99	9.54993E-05	0.001479108	3.33	6.0256E-05	0.001318257	chr19	9523748	9523996	NM_001370380.1	0.00006	-	9523748	9523996	248,
peak23483	4.44	0.000229087	0.002754229	4.71	0.001318257	0.020417379	chr19	9523353	9523454	NM_001370381.1	0.0013	-	9523353	9523454	101,
peak23484	3.03	9.54993E-05	0.001479108	3.33	0.001318257	0.020417379	chr19	9523752	9523953	NM_001370381.1	0.0013	-	9523752	9523953	201,
peak23485	4.44	0.000229087	0.002754229	4.71	0.000389045	0.00676083	chr19	9523351	9523451	NM_001370382.1	0.00039	-	9523351	9523451	100,
peak23486	2.99	0.000154882	0.002137962	3.33	0.000114815	0.002290868	chr19	9523747	9523995	NM_001370382.1	0.00011	-	9523747	9523995	248,

peak23488	4.44	0.000229087	0.002754229	4.71	0.000588844	0.009772372	chr19	9523353	9523453	NM_001370383.1	0.00059	-	9523353	9523453	100,
peak23489	3.03	9.54993E-05	0.001479108	3.33	0.000190546	0.003630781	chr19	9523751	9523951	NM_001370383.1	0.00019	-	9523751	9523951	200,
peak23491	4.44	0.000229087	0.002754229	4.71	0.000758578	0.012302688	chr19	9523352	9523452	NM_001370384.1	0.00076	-	9523352	9523452	100,
peak23492	2.96	9.33254E-05	0.001479108	3.33	0.000245471	0.004466836	chr19	9523749	9523998	NM_001370384.1	0.00025	-	9523749	9523998	249,
peak23495	4.44	0.000229087	0.002754229	4.71	0.000870964	0.014125375	chr19	9523352	9523453	NM_001370386.1	0.00087	-	9523352	9523453	101,
peak23496	3	9.33254E-05	0.001479108	3.33	0.000870964	0.014125375	chr19	9523750	9523949	NM_001370386.1	0.00087	-	9523750	9523949	199,
peak23500	4.44	0.000229087	0.002754229	4.71	0.000229087	0.004265795	chr19	9523352	9523452	NM_001370387.1	0.00023	-	9523352	9523452	100,
peak23501	2.99	9.54993E-05	0.001479108	3.33	5.37032E-05	0.001174898	chr19	9523749	9523998	NM_001370387.1	0.000054	-	9523749	9523998	249,
peak23504	4.44	0.000229087	0.002754229	4.71	0.000467735	0.007943282	chr19	9523352	9523453	NM_001370388.1	0.00047	-	9523352	9523453	101,
peak23505	3.03	9.54993E-05	0.001479108	3.33	0.000128825	0.002570396	chr19	9523750	9523950	NM_001370388.1	0.00013	-	9523750	9523950	200,
peak23507	4.44	0.000229087	0.002754229	4.71	0.001258925	0.019952623	chr19	9523353	9523453	NM_001370389.1	0.0013	-	9523353	9523453	100,
peak23508	3.03	9.54993E-05	0.001479108	3.33	0.001258925	0.019952623	chr19	9523751	9523950	NM_001370389.1	0.0013	-	9523751	9523950	199,
peak23509	4.44	0.000229087	0.002754229	4.71	0.000331131	0.005888437	chr19	9523354	9523455	NM_001370390.1	0.00033	-	9523354	9523455	101,
peak23510	3.03	0.000141254	0.001995262	4.4	0.000331131	0.005888437	chr19	9523754	9523955	NM_001370390.1	0.00033	-	9523754	9523955	201,
peak23512	4.44	0.000229087	0.002754229	4.71	0.000162181	0.003162278	chr19	9523351	9523451	NM_001370391.1	0.00016	-	9523351	9523451	100,
peak23513	2.99	0.000154882	0.002137962	3.33	4.0738E-05	0.000933254	chr19	9523747	9523995	NM_001370391.1	0.000041	-	9523747	9523995	248,
peak23517	4.44	0.000229087	0.002754229	4.71	0.000190546	0.003630781	chr19	9523351	9523451	NM_001370392.1	0.00019	-	9523351	9523451	100,
peak23518	2.99	0.000154882	0.002137962	3.33	5.37032E-05	0.001174898	chr19	9523746	9523994	NM_001370392.1	0.000054	-	9523746	9523994	248,
peak23522	4.44	0.000229087	0.002754229	4.71	0.000489779	0.008317638	chr19	9523354	9523454	NM_001370393.1	0.00049	-	9523354	9523454	100,
peak23523	2.77	0.00017378	0.002344229	4.4	0.000489779	0.008317638	chr19	9523753	9523954	NM_001370393.1	0.00049	-	9523753	9523954	201,
peak23526	4.44	0.000229087	0.002754229	4.71	0.000660693	0.010964782	chr19	9523352	9523452	NM_001370394.1	0.00066	-	9523352	9523452	100,
peak23527	2.99	9.54993E-05	0.001479108	3.33	0.000169824	0.003235937	chr19	9523749	9523998	NM_001370394.1	0.00017	-	9523749	9523998	249,
peak23530	4.44	0.000229087	0.002754229	4.71	0.000501187	0.00851138	chr19	9523354	9523455	NM_001370395.1	0.0005	-	9523354	9523455	101,
peak23531	3.03	0.000141254	0.001995262	4.4	0.000501187	0.00851138	chr19	9523754	9523955	NM_001370395.1	0.0005	-	9523754	9523955	201,
peak23533	4.44	0.000229087	0.002754229	4.71	0.00017378	0.003311311	chr19	9523352	9523452	NM_001370396.1	0.00017	-	9523352	9523452	100,
peak23534	2.99	9.54993E-05	0.001479108	3.33	4.0738E-05	0.000933254	chr19	9523749	9523998	NM_001370396.1	0.000041	-	9523749	9523998	249,
peak23537	4.44	0.000229087	0.002754229	4.71	0.000645654	0.010715193	chr19	9523353	9523454	NM_001370397.1	0.00065	-	9523353	9523454	101,
peak23538	3.03	9.54993E-05	0.001479108	3.33	0.000645654	0.010715193	chr19	9523752	9523953	NM_001370397.1	0.00065	-	9523752	9523953	201,
peak23541	4.44	0.000229087	0.002754229	4.71	0.000204174	0.003890451	chr19	9523354	9523454	NM_001370398.1	0.0002	-	9523354	9523454	100,
peak23542	2.77	0.00017378	0.002344229	4.4	0.000204174	0.003890451	chr19	9523753	9523954	NM_001370398.1	0.0002	-	9523753	9523954	201,
peak23545	4.44	0.000229087	0.002754229	4.71	0.000190546	0.003630781	chr19	9523353	9523453	NM_001370399.1	0.00019	-	9523353	9523453	100,
peak23546	3.03	9.54993E-05	0.001479108	3.33	4.67735E-05	0.001047129	chr19	9523751	9523950	NM_001370399.1	0.000047	-	9523751	9523950	199,
peak23548	4.44	0.000229087	0.002754229	4.71	0.000323594	0.005754399	chr19	9523353	9523454	NM_001370400.1	0.00032	-	9523353	9523454	101,
peak23549	3.03	9.54993E-05	0.001479108	3.33	0.000323594	0.005754399	chr19	9523753	9523953	NM_001370400.1	0.00032	-	9523753	9523953	200,
peak23568	2.28	7.07946E-05	0.001230269	17.3	6.30957E-11	1.7378E-09	chr19	9763771	9767237	NM_001130031.2	6.3E-11	-	9763771	9767237	786,15,
peak23569	2.34	1.65959E-05	0.000436516	17.2	6.30957E-11	1.69824E-09	chr19	9763769	9767234	NM_001130032.2	6.3E-11	-	9763769	9767234	788,12,
peak23571	2.74	8.51138E-05	0.001380384	17.2	2.51189E-09	4.16869E-08	chr19	9763956	9764506	NM_017656.4	2.5E-09	-	9763956	9764506	550,
peak23572	2.32	2.95121E-05	0.000660693	17.2	9.12011E-10	1.77828E-08	chr19	9763770	9767237	NM_001300885.2	9.1E-10	-	9763770	9767237	784,15,
peak23586	3.31	5.37032E-07	2.88403E-05	18.7	2.04174E-05	0.000102329	chr19	11256751	11256995	NM_001317031.1	0.00002	-	11256751	11256995	244,
peak23593	4.56	6.0256E-06	0.000194984	6.75	3.31131E-05	0.000794328	chr19	12256725	12257017	NM_145233.4	0.000033	-	12256725	12257017	292,
peak23595	4.89	1.44544E-05	0.000389045	7.5	1.7378E-05	0.000446684	chr19	12256702	12257003	NR_037801.2	0.000017	-	12256702	12257003	301,
peak23622	1.05	2.13796E-05	0.000524807	2.84	0.008912509	0.029512092	chr19	15379759	15391112	NM_058243.2	0.0089	-	15379759	15391112	94,319,38,
peak23663	3.91	0.000870964	0.007585776	5.6	0.002754229	0.009549926	chr19	19823501	19823700	NM_021030.3	0.0028	-	19823501	19823700	199,
peak23700	2.89	0.002290868	0.015135612	3	0.00144544	0.022387211	chr19	37038531	37038632	NM_001352273.2	0.0014	-	37038531	37038632	101,
peak23710	5.23	0.004073803	0.022387211	2.25	1.12202E-05	0.00030903	chr19	38187857	38187957	NM_001172677.1	0.000011	-	38187857	38187957	100,
peak23712	5.23	0.004073803	0.022387211	2.25	2.81838E-06	9.54993E-05	chr19	38187868	38187968	NM_032689.5	0.0000028	-	38187868	38187968	100,
peak23737	4.96	4.67735E-06	0.000162181	12.3	0.009549926	0.031622777	chr19	42702898	42702998	NR_073048.2	0.0095	-	42702898	42702998	100,
peak23756	2.7	0.00020893	0.002691535	4.56	0.000169824	0.000707946	chr19	43031473	43032583	NM_001205344.2	0.00017	-	43031473	43032583	79,121,
peak23757	2.42	0.001698244	0.012022644	5.17	2.13796E-07	1.07152E-05	chr19	44610627	44610826	NR_033341.1	0.00000021	-	44610627	44610826	199,
peak23829	3.32	0.004365158	0.023442288	1.9	6.91831E-07	2.88403E-05	chr19	48714265	48714366	NM_001351786.2	0.00000069	-	48714265	48714366	101,
peak23859	1.75	0.00057544	0.005495409	14.4	0.000588844	0.002238721	chr19	51301594	51301694	NM_001290150.1	0.00059	-	51301594	51301694	100,
peak23860	1.48	0.0002290868	0.015135612	14.6	5.49541E-05	0.000251189	chr19	51301595	51301696	NM_001290151.1	0.000055	-	51301595	51301696	101,
peak23861	1.94	0.000169824	0.002238721	17.2	1.62181E-06	1.09648E-05	chr19	51301591	51301691	NM_001290153.1	0.0000016	-	51301591	51301691	100,
peak23862	1.92	0.00025704	0.003019952	14.4	4.36516E-05	0.000199526	chr19	51301594	51301694	NM_001290154.1	0.000044	-	51301594	51301694	100,
peak23863	1.87	0.000158489	0.002137962	18.8	5.01187E-05	0.000229087	chr19	51301589	51301689	NM_001290155.1	0.00005	-	51301589	51301689	100,
peak23864	3.16	7.94328E-05	0.001318257	15.7	2.75423E-08	3.23594E-07	chr19	52394182	52394383	NM_023074.4	0.000000028	-	52394182	52394383	201,
peak23914	2.55	0.001862087	0.012882496	2	6.30957E-14	2.51189E-11	chr19	53645125	53645276	NM_001172675.2	6.3E-14	-	53645125	53645276	151,

peak23917	2.55	0.001862087	0.012882496	2.5	1E-14	6.30957E-12	chr19	53645122	53645273	NM_032584.3	1E-14	-	53645122	53645273	151,
peak23919	2.55	0.001862087	0.012882496	2.5	0.000870964	0.014125375	chr19	53645123	53645273	NM_001172674.1	0.00087	-	53645123	53645273	150,
peak23946	2.23	9.54993E-09	7.76247E-07	54.6	0.000676083	0.002511886	chr20	2097459	2097858	NM_080836.4	0.00068	+	2097459	2097858	399,
peak23978	2.73	7.76247E-07	3.89045E-05	2.58	5.37032E-08	5.7544E-07	chr20	11903558	11903858	NM_001282552.2	0.000000054	+	11903558	11903858	300,
peak23980	2.13	0.000263027	0.003090295	2.81	2.81838E-08	3.31131E-07	chr20	11903465	11903864	NM_181443.3	0.000000028	+	11903465	11903864	399,
peak23983	2.34	2.29087E-05	0.000549541	2.8	4.7863E-08	5.12861E-07	chr20	11903503	11903853	NM_001282551.1	0.000000048	+	11903503	11903853	350,
peak23987	2.66	5.7544E-06	0.000190546	2.58	1.47911E-08	1.90546E-07	chr20	11903557	11903807	NM_014962.4	0.000000015	+	11903557	11903807	250,
peak23999	5.93	1.7378E-05	0.000446684	16.5	5.88844E-08	6.16595E-07	chr20	17970732	17970978	NM_001363738.1	0.000000059	+	17970732	17970978	246,
peak24001	5.92	1.07152E-05	0.00030903	16.4	7.24436E-06	4.0738E-05	chr20	17970727	17970975	NM_001310339.2	0.0000072	+	17970727	17970975	248,
peak24005	6.62	5.62341E-05	0.001023293	15	8.12831E-05	0.000354813	chr20	17970822	17970972	NM_052865.4	0.000081	+	17970822	17970972	150,
peak24036	1.3	0.003715352	0.020892961	4.17	3.71535E-05	0.00017378	chr20	18295966	18296263	NM_001352460.2	0.000037	+	18295966	18296263	297,
peak24046	6.5	5.37032E-08	3.89045E-06	4.62	0.000467735	0.001778279	chr20	19702825	19703024	NM_020689.4	0.00047	+	19702825	19703024	199,
peak24074	1.02	0.004897788	0.025118864	7.11	0.001230269	0.004466836	chr20	25206326	25206525	NM_001322386.1	0.0012	+	25206326	25206525	199,
peak24093	2.87	0.002137962	0.014125375	15.6	9.33254E-08	9.12011E-07	chr20	30754561	30754762	NM_001363731.1	0.000000093	+	30754561	30754762	201,
peak24100	1.38	8.70964E-05	0.001412538	26.2	0.000158489	0.000660693	chr20	30922018	30922516	NM_004798.4	0.00016	+	30922018	30922516	498,
peak24118	1.61	0.00040738	0.004365158	40.1	1.44544E-10	3.71535E-09	chr20	32232790	32233290	NM_001032999.3	1.4E-10	+	32232790	32233290	500,
peak24120	1.61	0.00040738	0.004365158	47.8	5.62341E-10	1.20226E-08	chr20	32232787	32233288	NM_001039709.1	5.6E-10	+	32232787	32233288	501,
peak24123	1.67	0.000331131	0.003715352	38.3	7.94328E-11	2.18776E-09	chr20	32232795	32233295	NM_005093.3	7.9E-11	+	32232795	32233295	500,
peak24131	2.86	0.002238721	0.014791084	5.62	1.69824E-06	1.14815E-05	chr20	33122567	33122714	NM_001319157.1	0.0000017	+	33122567	33122714	147,
peak24145	3.26	0.001348963	0.01023293	4.89	1.02329E-07	0.000001	chr20	34092089	34092389	NM_007186.6	0.0000001	+	34092089	34092389	300,
peak24197	1.91	0.003388442	0.019498446	8.8	0.000109648	0.000467735	chr20	39987428	39987529	NR_126051.2	0.00011	+	39987428	39987529	101,
peak24205	3.26	0.000141254	0.001995262	2	0.001096478	0.003981072	chr20	43595201	43600824	NR_147975.2	0.0011	+	43595201	43600824	43,106,
peak24206	3.01	0.000363078	0.003981072	2.18	4.67735E-06	2.75423E-05	chr20	43595202	43601968	NR_147974.2	0.0000047	+	43595202	43601968	42,81,27,
peak24207	2.48	0.000645654	0.006025596	2.15	3.80189E-05	0.000177828	chr20	43595202	43607159	NM_001352385.2	0.000038	+	43595202	43607159	42,81,76,
peak24209	1.8	0.000102329	0.001584893	6.67	3.80189E-05	0.000177828	chr20	43703741	43703892	NM_001352385.2	0.000038	+	43703741	43703892	151,
peak24214	4.7	1.99526E-05	0.000489779	19.7	0.000354813	0.001380384	chr20	44511235	44511434	NM_080603.5	0.00035	+	44511235	44511434	199,
peak24215	2.32	0.001513561	0.010964782	15.8	8.91251E-05	0.000389045	chr20	44512026	44512274	NM_080603.5	0.000089	+	44512026	44512274	248,
peak24243	1.06	0.00074131	0.00676083	2	0.000389045	0.001513561	chr20	49196350	49197837	NM_001278618.1	0.00039	+	49196350	49197837	113,36,
peak24244	1.96	0.000234423	0.002884032	2.39	1.58489E-05	8.12831E-05	chr20	49199415	49199415	NM_001278618.1	0.000016	+	49199415	49199415	100,
peak24246	1.35	0.000831764	0.00724436	11.4	1.07152E-07	1.04713E-06	chr20	49576098	49576596	NM_014484.5	0.00000011	+	49576098	49576596	498,
peak24291	1.29	0.003548134	0.020417379	6.33	0.000251189	0.004570882	chr20	60777272	60777623	NM_015666.3	0.00025	+	60777272	60777623	351,
peak24293	4.34	2.23872E-07	1.38038E-05	3.63	0.00057544	0.002187762	chr20	60835141	60839767	NM_001363878.1	0.00058	+	60835141	60839767	40,76,83,
peak24297	5.99	2.0893E-05	0.000512861	1.38	0.000724436	0.002691535	chr20	60835179	60847203	NM_014835.4	0.00072	+	60835179	60847203	2,76,23,
peak24318	5.01	0.000977237	0.008128305	3.25	0.000223872	0.004168694	chr20	62730705	62730903	NM_000913.6	0.00022	+	62730705	62730903	198,
peak24320	5.01	0.000977237	0.008128305	3.25	0.000269153	0.004897788	chr20	62730703	62730902	NM_001318853.2	0.00027	+	62730703	62730902	199,
peak24322	5.01	0.000977237	0.008128305	3.25	0.000269153	0.004897788	chr20	62730703	62730902	NM_182647.4	0.00027	+	62730703	62730902	199,
peak24324	5.07	0.000524807	0.005128614	2.67	0.000346737	0.00616595	chr20	62730706	62730906	NM_001318854.1	0.00035	+	62730706	62730906	200,
peak24326	5.04	0.000758578	0.00676083	2.67	0.000131826	0.002570396	chr20	62730709	62730908	NM_001318855.1	0.00013	+	62730709	62730908	199,
peak24491	1.02	1.44544E-05	0.000380189	33.8	3.16228E-11	9.54993E-10	chr20	35412384	35413682	NM_080627.4	3.2E-11	-	35412384	35413682	1298,
peak24499	3.08	7.07946E-07	3.71535E-05	7.19	1.23027E-05	6.45654E-05	chr20	36146013	36146161	NM_001317075.1	0.000012	-	36146013	36146161	148,
peak24500	2.99	1.54882E-06	6.76083E-05	7.28	4.16869E-06	2.51189E-05	chr20	36146017	36146166	NM_001317074.1	0.0000042	-	36146017	36146166	149,
peak24501	3.02	1.34896E-06	6.0256E-05	7.06	6.0256E-06	3.46737E-05	chr20	36146014	36146162	NM_001167823.2	0.000006	-	36146014	36146162	148,
peak24502	2.99	1.54882E-06	6.76083E-05	7.28	4.16869E-06	2.51189E-05	chr20	36146017	36146166	NM_001167821.1	0.0000042	-	36146017	36146166	149,
peak24503	2.99	1.94984E-06	7.94328E-05	7.28	1.02329E-05	5.49541E-05	chr20	36146017	36146168	NM_001167822.2	0.00001	-	36146017	36146168	151,
peak24504	3.01	1.31826E-06	6.0256E-05	7.34	3.23594E-06	1.99526E-05	chr20	36146015	36146163	NM_006698.4	0.0000032	-	36146015	36146163	148,
peak24505	3.02	1.34896E-06	6.0256E-05	7.06	1.47911E-06	0.00001	chr20	36146014	36146162	NM_001167820.1	0.0000015	-	36146014	36146162	148,
peak24506	1.24	0.000338844	0.003801894	19.3	0.000154882	0.000645654	chr20	36640112	36640713	NM_001303457.2	0.00015	-	36640112	36640713	601,
peak24508	1.29	0.000380189	0.004168694	25.1	0.000162181	0.000676083	chr20	36640108	36640707	NM_014657.3	0.00016	-	36640108	36640707	599,
peak24526	1.21	0.000295121	0.003388442	9.86	6.16595E-09	9.12011E-08	chr20	44699072	44718502	NM_001348151.2	6.2E-09	-	44699072	44718502	103,47,
peak24625	1.15	0.000489779	0.004897788	11.7	2.51189E-07	2.13796E-06	chr20	49509437	49510135	NM_001282531.3	0.00000025	-	49509437	49510135	698,
peak24628	1.06	3.98107E-05	0.000812831	10.7	1.7378E-07	1.58489E-06	chr20	49509452	49510152	NM_001347511.2	0.00000017	-	49509452	49510152	700,
peak24631	1.19	3.71535E-05	0.000776247	10	1.54882E-07	1.41254E-06	chr20	49509446	49510146	NM_015339.5	0.00000015	-	49509446	49510146	700,
peak24636	1.01	7.58578E-05	0.00128825	13.3	3.46737E-08	3.98107E-07	chr20	49509480	49510127	NM_181442.4	0.000000035	-	49509480	49510127	647,
peak24641	2.47	0.004570882	0.024547089	3.33	1.90546E-08	2.34423E-07	chr20	50048695	50048845	NM_001258296.2	0.000000019	-	50048695	50048845	150,
peak24648	2.57	0.003090295	0.018620871	2.11	1.69824E-08	2.13796E-07	chr20	50048706	50048807	NM_012340.5	0.000000017	-	50048706	50048807	101,
peak24650	3.07	0.000147911	0.002089296	4.57	1.69824E-08	2.13796E-07	chr20	50140301	50140501	NM_012340.5	0.000000017	-	50140301	50140501	200,
peak24655	2.92	0.000144544	0.002041738	3.75	0.000562341	0.002137962	chr20	50140300	50140500	NM_173091.4	0.00056	-	50140300	50140500	200,

peak24664	3.84	0.000218776	0.002754229	3.7	0.000199526	0.000812831	chr20	50140331	50140581	NM_001258292.2	0.0002	-	50140331	50140581	250,
peak24678	2.45	0.004570882	0.024547089	11.7	0.004570882	0.015488166	chr20	50769390	50769490	NM_199426.2	0.0046	-	50769390	50769490	100,
peak24687	1.42	0.00018197	0.002398833	3.12	1.58489E-05	0.000416869	chr20	54945230	54945378	NM_003600.4	0.000016	-	54945230	54945378	148,
peak24688	1.39	5.62341E-06	0.000186209	3.5	3.71535E-05	0.000870964	chr20	54945037	54945383	NM_198433.3	0.000037	-	54945037	54945383	346,
peak24694	1.01	8.51138E-05	0.001380384	5.73	1E-11	3.71535E-10	chr20	61538582	61541371	NM_033081.2	1E-11	-	61538582	61541371	129,321,
peak24697	3.15	0.002187762	0.014454398	6.17	7.94328E-11	2.39883E-09	chr20	61512934	61513384	NM_001193369.2	7.9E-11	-	61512934	61513384	450,
peak24704	1.09	2.81838E-06	0.000107152	6.08	4.0738E-06	2.45471E-05	chr20	61528344	61541370	NM_080797.4	0.0000041	-	61528344	61541370	4,214,213,320,
peak24706	1.02	0.001737801	0.012302688	16.5	1.12202E-09	2.13796E-08	chr20	61537098	61537398	NM_080796.3	1.1E-09	-	61537098	61537398	300,
peak24710	1.13	0.000416869	0.004466836	6.44	0.00616595	0.020892961	chr20	61538538	61541325	NM_022105.4	0.0062	-	61538538	61541325	173,275,
peak24719	1.6	0.000630957	0.005888437	2.18	1.09648E-05	5.88844E-05	chr20	62595678	62595976	NM_020713.3	0.000011	-	62595678	62595976	66,134,
peak24724	1.53	0.002041738	0.013803843	2.29	0.001513561	0.005370318	chr21	18937784	18937935	NM_001207063.2	0.0015	+	18937784	18937935	151,
peak24733	3.23	0.001584893	0.011481536	17	0.000630957	0.002398833	chr21	30415842	30419458	NM_001032410.1	0.00063	+	30415842	30419458	78,471,
peak24734	3.92	0.000794328	0.00691831	2.38	0.001584893	0.023988329	chr21	30415850	30419066	NM_006447.3	0.0016	+	30415850	30419066	70,79,
peak24830	1.44	0.002089296	0.014125375	77.1	4.36516E-09	6.76083E-08	chr21	38884344	38884892	NM_001396.4	4.4E-09	+	38884344	38884892	548,
peak24881	2.75	1.20226E-05	0.000338844	8	3.16228E-13	1.99526E-11	chr21	9908312	9968545	NR_038327.2	3.2E-13	-	9908312	9968545	120,231,59,30,
peak24883	1.7	4.2658E-07	2.39883E-05	36.5	6.91831E-05	0.00030903	chr21	16337082	16338027	NM_003489.4	0.000069	-	16337082	16338027	945,
peak24911	5.92	0.000001	4.7863E-05	7.5	0.000281838	0.005128614	chr21	32492674	32492974	NM_001353694.1	0.00028	-	32492674	32492974	300,
peak24916	5.41	5.24807E-06	0.000177828	8.5	0.002089296	0.030902954	chr21	32492678	32492928	NM_001353689.1	0.0021	-	32492678	32492928	250,
peak24919	5.88	1.41254E-06	6.16595E-05	7.5	0.000245471	0.004466836	chr21	32492673	32492972	NM_001353690.1	0.00025	-	32492673	32492972	299,
peak24922	5.88	1.41254E-06	6.16595E-05	7.5	0.000218776	0.004073803	chr21	32492673	32492972	NM_001353691.1	0.00022	-	32492673	32492972	299,
peak24929	5.92	0.000001	4.7863E-05	7.5	0.000269153	0.004897788	chr21	32492674	32492973	NM_003253.3	0.00027	-	32492674	32492973	299,
peak24981	5.02	0.000162181	0.002187762	4.65	1.07152E-05	5.7544E-05	chr21	43412800	43412950	NM_001098402.2	0.000011	-	43412800	43412950	150,
peak24986	5.21	0.000186209	0.002454709	3.82	6.91831E-07	5.12861E-06	chr21	43412790	43412941	NM_001098403.2	0.00000069	-	43412790	43412941	151,
peak24991	5.29	0.000630957	0.006025596	3.09	4.7863E-06	2.81838E-05	chr21	43412829	43412930	NM_001320729.2	0.0000048	-	43412829	43412930	101,
peak24998	4.97	0.000229087	0.002818383	3.69	3.31131E-05	0.000158489	chr21	43412804	43412954	NM_001320731.2	0.000033	-	43412804	43412954	150,
peak25004	4.99	0.004677351	0.024547089	3.64	4.67735E-10	1.02329E-08	chr21	43412828	43412929	NM_020727.5	4.7E-10	-	43412828	43412929	101,
peak25011	2.77	9.12011E-05	0.001479108	14.9	9.33254E-06	5.12861E-05	chr21	45647407	45647806	NM_001283052.2	0.0000093	-	45647407	45647806	399,
peak25012	1.84	0.001	0.008317638	3.68	0.000218776	0.000891251	chr21	45648004	45648105	NM_001283052.2	0.00022	-	45648004	45648105	101,
peak25015	3	0.000151356	0.002089296	13.8	4.16869E-05	0.000194984	chr21	45647400	45647799	NM_001365759.2	0.000042	-	45647400	45647799	399,
peak25016	1.77	0.003890451	0.021877616	4	0.000691831	0.002570396	chr21	45647997	45648098	NM_001365759.2	0.00069	-	45647997	45648098	101,
peak25023	1.79	1.31826E-05	0.000354813	5.5	0.000316228	0.001230269	chr21	47743367	47743714	NM_001286476.1	0.00032	-	47743367	47743714	347,
peak25051	3.39	7.94328E-05	0.001318257	12.4	5.01187E-06	2.88403E-05	chr22	20760098	20760098	NR_046282.4	0.000005	+	20755644	20760098	18,432,
peak25061	1.51	0.003162278	0.018620871	5.33	0.00162181	0.005754399	chr22	21288525	21304391	NM_005207.4	0.0016	+	21288525	21304391	7,393,
peak25078	1.44	3.98107E-09	3.46737E-07	27.4	3.71535E-07	3.01995E-06	chr22	22051219	22052016	NM_148175.3	0.00000037	+	22051219	22052016	797,
peak25087	2.85	0.002454709	0.015848932	10.1	2.69153E-10	6.30957E-09	chr22	23656198	23657693	NM_021574.3	2.7E-10	+	23656198	23657693	62,163,74,
peak25129	1.91	0.002344229	0.015135612	3.8	0.000776247	0.012589254	chr22	29179625	29182317	NM_001284264.1	0.00078	+	29179625	29182317	8,241,
peak25130	1.73	0.002818383	0.017378008	3.8	0.000912011	0.014454398	chr22	29179520	29182311	NM_173510.4	0.00091	+	29179520	29182311	113,235,
peak25131	1.83	0.001023293	0.00851138	3.8	5.7544E-05	0.001258925	chr22	29179525	29182316	NM_001284265.1	0.000058	+	29179525	29182316	108,240,
peak25132	3.4	3.63078E-05	0.000776247	13.8	1.65959E-09	2.95121E-08	chr22	29445222	29445969	NM_032173.3	1.7E-09	+	29445222	29445969	747,
peak25143	1.4	0.001479108	0.010964782	7	0.003467369	0.011748976	chr22	30061001	30069369	NM_181825.3	0.0035	+	30061001	30069369	52,114,123,112,
peak25232	2.68	4.89779E-06	0.000165959	6.56	3.01995E-05	0.000144544	chr22	35660647	35661198	NM_001003681.3	0.00003	+	35660647	35661198	551,
peak25235	2.74	1.02329E-06	4.89779E-05	6.22	2.45471E-07	2.0893E-06	chr22	35660647	35661197	NM_001362972.2	0.00000025	+	35660647	35661197	550,
peak25238	2.46	0.000954993	0.007943282	6.5	4.7863E-06	2.81838E-05	chr22	35660777	35661174	NR_027780.2	0.0000048	+	35660777	35661174	397,
peak25243	1.94	4.7863E-08	3.46737E-06	26.5	0.00030903	0.001230269	chr22	36661216	36661758	NM_001136540.1	0.00031	+	36661216	36661758	542,
peak25244	1.8	0.00040738	0.004365158	30.6	0.004786301	0.016218101	chr22	36657734	36661804	NM_001136541.1	0.0048	+	36657734	36661804	34,608,
peak25274	3.9	2.13796E-05	0.000524807	6.43	1.65959E-10	4.16869E-09	chr22	41277808	41282343	NM_022098.4	1.7E-10	+	41277808	41282343	373,27,
peak25293	2.03	0.000323594	0.003630781	22.2	8.91251E-07	6.60693E-06	chr22	45581124	45581422	NM_007172.4	0.00000089	+	45581124	45581422	298,
peak25295	2.15	5.01187E-06	0.000169824	27.2	1.54882E-06	1.07152E-05	chr22	45581118	45581466	NM_153645.2	0.0000015	+	45581118	45581466	348,
peak25302	2.33	0.000616595	0.005888437	4.91	0.012022644	0.038904514	chr22	47075082	47075082	NM_015124.5	0.012	+	47074981	47075082	101,
peak25318	2.24	0.00017378	0.002344229	76.6	7.07946E-06	3.98107E-05	chr22	19025827	19026422	NM_001173534.2	0.0000071	-	19025827	19026422	595,
peak25320	2.05	4.16869E-05	0.000851138	51.9	6.76083E-07	5.01187E-06	chr22	19025842	19026441	NM_005137.3	0.00000068	-	19025842	19026441	599,
peak25325	2.94	0.002691535	0.016595869	2.57	7.24436E-08	4.2658E-06	chr22	19127500	19130255	NM_022719.3	0.000000072	-	19127500	19130255	37,96,17,
peak25328	2.92	0.002754229	0.016982437	2.33	4.2658E-05	0.000977237	chr22	19127501	19130254	NR_134304.2	0.000043	-	19127501	19130254	39,96,16,
peak25416	1.33	0.004786301	0.025118864	23.8	1.14815E-05	6.0256E-05	chr22	31740833	31741134	NM_014323.3	0.000011	-	31740833	31741134	301,
peak25436	1.81	1.94984E-08	1.51356E-06	14.6	5.88844E-05	0.000269153	chr22	32112567	32134488	NM_173566.3	0.000059	-	32112567	32134488	710,73,116,
peak25494	3.06	1.54882E-07	0.00001	17.3	0.00011749	0.000501187	chr22	37578249	37578649	NM_031910.4	0.00012	-	37578249	37578649	400,
peak25583	3.87	0.000512861	0.005128614	9.17	1.12202E-05	5.88844E-05	chrX	9686530	9686731	NM_001139466.1	0.000011	+	9686530	9686731	201,

peak25646	3.95	3.01995E-05	0.000676083	4.2	3.98107E-06	2.39883E-05	chrX	24557260	24557560	NM_001142386.3	0.000004	+	24557260	24557560	300,
peak25660	3.52	0.002089296	0.014125375	3.05	0.006309573	0.020892961	chrX	41193464	41196674	NM_001193417.3	0.0063	+	41193464	41196674	86,14,
peak25662	2.93	5.01187E-05	0.000954993	4.62	4.36516E-07	3.38844E-06	chrX	44921903	44922974	NM_001291416.1	0.00000044	+	44921903	44922974	90,308,
peak25663	2.27	7.4131E-06	0.000229087	19.2	4.36516E-07	3.38844E-06	chrX	44928834	44929529	NM_001291416.1	0.00000044	+	44928834	44929529	695,
peak25664	2.2	3.31131E-06	0.000123027	18.7	2.34423E-07	2.04174E-06	chrX	44920646	44929559	NM_001291418.1	0.00000023	+	44920646	44929559	18,396,736,
peak25666	2.15	1.86209E-06	7.76247E-05	20.5	3.89045E-07	3.16228E-06	chrX	44922960	44929568	NM_001291421.1	0.00000039	+	44922960	44929568	102,745,
peak25668	2.88	1.99526E-07	1.25893E-05	8.83	3.38844E-07	2.75423E-06	chrX	44922706	44929166	NM_021140.3	0.00000034	+	44922706	44929166	356,343,
peak25670	1.99	0.000707946	0.006456542	3.27	2.45471E-07	2.0893E-06	chrX	44922683	44922983	NR_111960.1	0.00000025	+	44922683	44922983	300,
peak25671	2.07	0.000234423	0.002818383	22.7	2.45471E-07	2.0893E-06	chrX	44928842	44929539	NR_111960.1	0.00000025	+	44928842	44929539	697,
peak25676	2.84	3.38844E-05	0.000724436	18.3	7.58578E-06	4.16869E-05	chrX	57620614	57620865	NM_007157.3	0.00000076	+	57620614	57620865	251,
peak25683	3.11	0.001778279	0.012589254	23.2	0.00042658	0.00162181	chrX	66945376	66945527	NM_000044.6	0.00043	+	66945376	66945527	151,
peak25685	3.95	0.000371535	0.003981072	9.18	0.009332543	0.030199517	chrX	66948716	66948866	NM_000044.6	0.0093	+	66948716	66948866	150,
peak25688	2.97	0.000630957	0.006025596	27.3	0.000416869	0.001584893	chrX	66945384	66945535	NM_001011645.3	0.00042	+	66945384	66945535	151,
peak25690	3.77	0.000194984	0.002511886	9.24	0.002187762	0.007585776	chrX	66948718	66948869	NM_001011645.3	0.0022	+	66948718	66948869	151,
peak25748	4.02	1.8197E-05	0.000457088	3.5	0.00057544	0.002187762	chrX	123019934	123020134	NM_001204401.1	0.00058	+	123019934	123020134	200,
peak25749	3.71	2.51189E-05	0.000588844	4.42	0.001230269	0.004466836	chrX	123019949	123020100	NM_001167.3	0.0012	+	123019949	123020100	151,
peak25752	2.83	0.000147911	0.002089296	16.4	3.31131E-05	0.000158489	chrX	129147004	129147405	NM_001184772.2	0.000033	+	129147004	129147405	401,
peak25753	1.27	0.002754229	0.017378008	8.29	0.014454398	0.046773514	chrX	129150053	129154974	NM_001184772.2	0.014	+	129150053	129154974	136,15,
peak25755	2.83	0.000147911	0.002089296	16.4	0.000141254	0.000588844	chrX	129147003	129147403	NM_021946.4	0.00014	+	129147003	129147403	400,
peak25764	1.16	1.1749E-06	5.49541E-05	12.4	1.20226E-08	1.58489E-07	chrX	3227849	3227999	NM_015419.4	0.000000012	-	3227849	3227999	150,
peak25815	3.13	0.002818383	0.017378008	3.69	0.000398107	0.001513561	chrX	39922137	39922238	NM_001123383.1	0.0004	-	39922137	39922238	101,
peak25818	2.34	1.8197E-05	0.000457088	6.91	5.24807E-05	0.000239883	chrX	39934011	39934262	NM_001123383.1	0.000052	-	39934011	39934262	251,
peak25821	2.68	5.01187E-07	2.69153E-05	5.95	0.006456542	0.021379621	chrX	39934039	39934239	NM_001123385.2	0.0065	-	39934039	39934239	200,
peak25871	3.17	0.000275423	0.003235937	12.5	5.24807E-05	0.000239883	chrX	63410219	63410518	NM_152424.4	0.000052	-	63410219	63410518	299,
peak25872	4.27	3.54813E-06	0.000128825	13.8	5.24807E-05	0.000239883	chrX	63411164	63411413	NM_152424.4	0.000052	-	63411164	63411413	249,
peak25901	4.26	1.41254E-06	6.30957E-05	18.2	3.63078E-09	5.7544E-08	chrX	79932534	79932734	NM_153252.5	3.6E-09	-	79932534	79932734	200,
peak25971	3.56	0.00057544	0.005495409	14.2	2.45471E-07	2.0893E-06	chrX	117043664	117043964	NM_001168302.1	0.00000025	-	117043664	117043964	300,

Legends: Specific sites of 1850 up regulated genes of breast cancer cells, p-values <0.05 were indicated.

Supplementary Table 3. The relationship between METTL3 and patient clinicopathological features.

Cytosol expression						Nucleus expression					
variables	METTL3 expression		total	χ^2	p value	variables	METTL3 expression		total	χ^2	p value
	low	high					low	high			
Age (year)				7.973	0.005					4.476	0.034
	≤54	42	25	67		≤54	40	27	67		
	>54	23	38	61		>54	25	36	61		
Grade				2.095	0.148					0.097	0.756
	II	48	39	87		II	45	42	87		
	III	17	24	41		III	20	21	41		
T stage				2.012	0.156					1.106	0.293
	T1	20	27	47		T1	21	26	47		
	T2/T3	45	36	81		T2/T3	44	37	81		
N stage				0.181	0.671					1.115	0.291
	N0	41	42	83		N0	45	38	83		
	N1	24	21	45		N1	20	25	45		
TNM stage				0.181	0.671					1.115	0.291
	I/II	41	42	83		I/II	45	38	83		
	III	24	21	45		III	20	25	45		

Legend: The age of patients was significantly related to the expression of METTL3, p-values <0.05 were indicated.

Supplementary Table 4. KEGG analysis of MCF-7 between METTL3 KO group and control group.

NAME	SIZE	ES	NES	NOM p-val	FDR q-val
OOCYTE_MEIOSIS	117	0.5346071	1.9137065	0.000000000	0.005284764
MRNA_SURVEILLANCE_PATHWAY	84	0.5534028	1.9046290	0.000000000	0.002642382
CELL_CYCLE	124	0.5127093	1.8674089	0.000000000	0.003356671
SPLICEOSOME	132	0.4741051	1.7391235	0.001503759	0.018853806
RNA_TRANSPORT	154	0.4595019	1.7093091	0.000000000	0.021680197
HERPES_SIMPLEX_VIRUS_1_INFECTION	445	0.4113639	1.6958411	0.000000000	0.020975525
RNA_DEGRADATION	75	0.4849807	1.6435858	0.001555210	0.036382508
GABAERGIC_SYNAPSE	72	0.4761663	1.6059915	0.001589825	0.051397340
HOMOLOGOUS_RECOMBINATION	40	0.5132999	1.5605139	0.006722689	0.076921080
HIPPO_SIGNALING_PATHWAY	150	0.4178041	1.5406752	0.000000000	0.085010010
UBIQUITIN_MEDIATED_PROTEOLYSIS	134	0.4043445	1.4986324	0.007352941	0.118713150
APELIN_SIGNALING_PATHWAY	128	0.4029374	1.4699396	0.001466276	0.142974240
TGF_BETA_SIGNALING_PATHWAY	89	0.4186491	1.4527082	0.010903426	0.155976560
VASCULAR_SMOOTH_MUSCLE_CONTRACTION	116	0.4029590	1.4498663	0.004830918	0.148824350
DOPAMINERGIC_SYNAPSE	120	0.3980478	1.4371443	0.004538578	0.156639950
HIPPO_SIGNALING_PATHWAY_MULTIPLE_SPECIES	27	0.5142397	1.4324483	0.037037037	0.153369350
RIBOSOME_BIOGENESIS_IN_EUKARYOTES	94	0.4092717	1.4309617	0.009615385	0.146196280
GASTRIC_ACID_SECRETION	67	0.4297816	1.4207530	0.019969279	0.152647550
BASAL_TRANSCRIPTION_FACTORS	43	0.4624984	1.3942719	0.047540985	0.182233600
DNA_REPLICATION	35	0.4767786	1.3934253	0.056270096	0.174091710
MISMATCH_REPAIR	22	0.5160127	1.3896858	0.065404475	0.170953360
FANCONI_ANEMIA_PATHWAY	53	0.4390387	1.3818991	0.037953794	0.175050240
OLFACTORY_TRANSDUCTION	78	0.4044665	1.3640484	0.027067669	0.194316210
SALIVARY_SECRETION	72	0.4021712	1.3588563	0.044045676	0.194244400
CIRCADIAN_ENTRAINMENT	88	0.3877488	1.3430887	0.029363785	0.210896020
PROGESTERONE_MEDIATED_OOCYTE_MATURATION	92	0.3883264	1.3403295	0.046296295	0.207687240
OXYTOCIN_SIGNALING_PATHWAY	145	0.3549204	1.3207366	0.033923306	0.233246090
SEROTONERGIC_SYNAPSE	92	0.3824075	1.3182973	0.037854890	0.229258980
NUCLEOTIDE_EXCISION_REPAIR	45	0.4252379	1.3069832	0.079288030	0.242049900
LONG_TERM_POTENTIATION	59	0.4031246	1.2937704	0.095477390	0.259286050
EPITHELIAL_CELL_SIGNALING_IN_HELICOBACTER_PYLORI_INFECTION	66	0.3826618	1.2655542	0.098412700	0.310552750
MORPHINE_ADDICTION	74	0.3758763	1.2646908	0.091338580	0.302524200
CHOLINERGIC_SYNAPSE	104	0.3554510	1.2639638	0.075079870	0.295116340
GNRH_SIGNALING_PATHWAY	89	0.3582945	1.2501591	0.097222224	0.317240860
GAP_JUNCTION	79	0.3661117	1.2439343	0.124203820	0.321709070
CELLULAR_SENESCENCE	154	0.3311127	1.2389222	0.068513120	0.324681850
PROTEASOME	42	0.4020604	1.2266492	0.174917490	0.343749640
RELAXIN_SIGNALING_PATHWAY	120	0.3390088	1.2250588	0.102325580	0.338223130
SMALL_CELL_LUNG_CANCER	91	0.3512376	1.2193893	0.105100460	0.341905740

LYSINE_DEGRADATION	59	0.3734347	1.2173640	0.143084260	0.338183400
MICRORNAS_IN_CANCER	202	0.3165989	1.2169042	0.079528720	0.331035140
CUSHING_SYNDROME	142	0.3190008	1.1781247	0.126488090	0.415634190
MUCIN_TYPE_O_GLYCAN_BIOSYNTHESIS	29	0.4150059	1.1714602	0.200339560	0.423202540
SIGNALING_PATHWAYS_REGULATING_PLURIPOTENCY_OF_STEM_CELLS	124	0.3166348	1.1584489	0.175273870	0.449142220
PHOTOTRANSDUCTION	21	0.4407705	1.1526666	0.246329530	0.454842930
MELANOMA	63	0.3556762	1.1507057	0.210784320	0.450001960
PATHWAYS_IN_CANCER	482	0.2749186	1.1373020	0.093053736	0.478168550
LINOLEIC_ACID_METABOLISM	23	0.4189925	1.1365999	0.265758100	0.470292720
CGMP_PKG_SIGNALING_PATHWAY	153	0.3061270	1.1358678	0.181683900	0.462754880
P53_SIGNALING_PATHWAY	72	0.3403194	1.1328530	0.228384990	0.461586300
ADHERENS_JUNCTION	72	0.3422486	1.1318606	0.246489850	0.455262300
HUMAN_T_CELL_LEUKEMIA_VIRUS_1_INFECTION	210	0.2909505	1.1240133	0.176978420	0.466458980
MELANOGENESIS	94	0.3182994	1.1230234	0.224880380	0.460184160
NICOTINE_ADDICTION	23	0.4202755	1.1129996	0.288135600	0.478579820
GLUTAMATERGIC_SYNAPSE	99	0.3096806	1.1079668	0.223255810	0.482766630
AMPHETAMINE_ADDICTION	59	0.3443154	1.1024379	0.282009720	0.489098580
LONG_TERM_DEPRESSION	55	0.3384669	1.0998576	0.273015900	0.487326260
FOCAL_ADHESION	191	0.2865585	1.0974743	0.224606570	0.485625830
PROTEIN_EXPORT	23	0.4048240	1.0934819	0.318471340	0.488134300
HEDGEHOG_SIGNALING_PATHWAY	44	0.3585204	1.0902132	0.315424620	0.488575670
WNT_SIGNALING_PATHWAY	145	0.2948518	1.0883931	0.277862600	0.485167530
PATHOGENIC_ESCHERICHIA_COLI_INFECTION	54	0.3374427	1.0734826	0.312195120	0.515888450
GASTRIC_CANCER	134	0.2964991	1.0734042	0.300000000	0.507839860
TIGHT_JUNCTION	163	0.2859149	1.0617218	0.316100450	0.530555800
AGE_RAGE_SIGNALING_PATHWAY_IN_DIABETIC_COMPLICATIONS	100	0.3006987	1.0603343	0.336906580	0.526037600
RENIN_SECRETION	64	0.3175464	1.0479243	0.359424920	0.551186400
SYNAPTIC_VESICLE_CYCLE	67	0.3180729	1.0474786	0.356120820	0.544145300
PI3K_AKT_SIGNALING_PATHWAY	308	0.2580940	1.0343182	0.346206900	0.572140400
PARATHYROID_HORMONE_SYNTHESIS_SECRETION_AND_ACTION	96	0.2993756	1.0341368	0.382581650	0.564352800
THYROID_HORMONE_SIGNALING_PATHWAY	111	0.2884254	1.0317439	0.377329200	0.562784600
BREAST_CANCER	135	0.2806279	1.0305302	0.378582200	0.558084300
HEPATITIS_B	149	0.2741688	1.0253376	0.393343420	0.564283300
MTOR_SIGNALING_PATHWAY	145	0.2772505	1.0237315	0.386567180	0.560946350
COLORECTAL_CANCER	85	0.2938270	1.0212166	0.405492720	0.559763700
VASOPRESSIN_REGULATED_WATER_REABSORPTION	41	0.3320863	1.0029157	0.477777780	0.601990640
RETROGRADE_ENDOCANNABINOID_SIGNALING	129	0.2729698	0.9953883	0.466565340	0.613724600
KAPOSI_SARCOMA_ASSOCIATED_HERPESVIRUS_INFECTION	168	0.2633826	0.9897852	0.474926260	0.621332200
NOD_LIKE_RECEPTOR_SIGNALING_PATHWAY	148	0.2645839	0.9767695	0.509984600	0.648490250
PHOSPHATIDYLINOSITOL_SIGNALING_SYSTEM	94	0.2740582	0.9552897	0.558461550	0.699325700
GLUCAGON_SIGNALING_PATHWAY	96	0.2724017	0.9534820	0.556082100	0.695676800

CHRONIC_MYELOID_LEUKEMIA	76	0.2811971	0.9515398	0.563779530	0.692440030
TASTE_TRANSDUCTION	49	0.2998638	0.9458617	0.545600000	0.699451800
TRANSCRIPTIONAL_MISREGULATION_IN_CANCER	171	0.2513842	0.9455702	0.601470600	0.691828550
RNA_POLYMERASE	31	0.3291008	0.9443388	0.551155100	0.686853300
PANCREATIC_SECRETION	74	0.2741840	0.9331481	0.612800000	0.708255800
LONGEVITY_REGULATING_PATHWAY_MULTIPLE_SPECIES	57	0.2900646	0.9296853	0.588996770	0.709028070
BLADDER_CANCER	40	0.3094515	0.9196600	0.576411960	0.727074440
CORTISOL_SYNTHESIS_AND_SECRETION	57	0.2722303	0.8901959	0.672727300	0.792753100
PROSTATE_CANCER	94	0.2551715	0.8877878	0.716440440	0.789769650
LONGEVITY_REGULATING_PATHWAY	82	0.2603190	0.8847933	0.694400000	0.788567500
ADRENERGIC_SIGNALING_IN_CARDIOMYOCYTES	136	0.2403438	0.8827432	0.746031760	0.784949900
COLLECTING_DUCT_ACID_SECRETION	24	0.3164214	0.8565510	0.683219200	0.837856100
BACTERIAL_INVASION_OF_EPITHELIAL_CELLS	74	0.2500622	0.8358663	0.800623060	0.873645540
FOLATE_BIOSYNTHESIS	24	0.3036263	0.8111425	0.716666640	0.912118000
CIRCADIAN_RHYTHM	31	0.2771940	0.8044128	0.787269700	0.913871050
COCAINE_ADDICTION	41	0.2615469	0.7899913	0.812709030	0.927762570
PROTEIN_DIGESTION_AND_ABSORPTION	76	0.2187850	0.7374296	0.953125000	0.980386140
SHIGELLOSIS	65	0.2260721	0.7346541	0.954113900	0.972784600
GLYCOSYLPHOSPHATIDYLINOSITOL_(GPI)_ANCHOR_BIOSYNTHESIS	25	0.2551617	0.7009829	0.906303200	0.986277940
RHEUMATOID_ARTHRITIS	80	0.2075296	0.6987315	0.970920860	0.977609800
TERPENOID_BACKBONE_BIOSYNTHESIS	21	0.2683342	0.6853379	0.911262800	0.974261800
METABOLISM_OF_XENOBIOTICS_BY_CYTOCHROME_P450	46	-0.7037460	-2.3227816	0.000000000	0.000000000
CHEMICAL_CARCINOGENESIS	52	-0.6348975	-2.1284776	0.000000000	0.000000000
ANTIGEN_PROCESSING_AND_PRESENTATION	60	-0.6133799	-2.0852156	0.000000000	0.000000000
ARGININE_AND_PROLINE_METABOLISM	44	-0.6242090	-2.0294104	0.000000000	0.000000000
PORPHYRIN_AND_CHLOROPHYLL_METABOLISM	25	-0.6887931	-1.9743640	0.000000000	0.001801736
PENTOSE_PHOSPHATE_PATHWAY	29	-0.6566440	-1.9725279	0.000000000	0.001501447
GRAFT_VERSUS_HOST_DISEASE	30	-0.6484959	-1.9380019	0.000000000	0.002802064
GALACTOSE_METABOLISM	26	-0.6628082	-1.9243160	0.000000000	0.002657091
AUTOIMMUNE_THYROID_DISEASE	32	-0.6233491	-1.9170128	0.000000000	0.002968264
FAT_DIGESTION_AND_ABSORPTION	27	-0.6450065	-1.9000487	0.000000000	0.003535357
STAPHYLOCOCCUS_AUREUS_INFECTION	56	-0.5578943	-1.8988348	0.000000000	0.003213961
ALLOGRAFT_REJECTION	28	-0.6487026	-1.8930165	0.000000000	0.003254676
COMPLEMENT_AND_COAGULATION_CASCADES	72	-0.5278851	-1.8753360	0.000000000	0.003265762
NITROGEN_METABOLISM	16	-0.7200358	-1.8680484	0.000000000	0.003284841
FRUCTOSE_AND_MANNOSE_METABOLISM	33	-0.6185392	-1.8579480	0.000000000	0.003927829
CARBOHYDRATE_DIGESTION_AND_ABSORPTION	34	-0.6014708	-1.8469299	0.000000000	0.004042661
TYPE_I_DIABETES_MELLITUS	34	-0.5936338	-1.8232661	0.000000000	0.005651953
GLYCOLYSIS / GLUCONEOGENESIS	62	-0.5241401	-1.8133312	0.000000000	0.005937023
STEROID_HORMONE_BIOSYNTHESIS	37	-0.5759194	-1.8017946	0.002564103	0.007235488
ARGININE_BIOSYNTHESIS	17	-0.6874320	-1.7936444	0.000000000	0.007413429

ARACHIDONIC_ACID_METABOLISM	52	-0.5034511	-1.7003648	0.000000000	0.022118751
DRUG_METABOLISM_CYTOCHROME_P450	44	-0.5167210	-1.6865586	0.004975124	0.023487797
STEROID_BIOSYNTHESIS	19	-0.6349593	-1.6849338	0.014851485	0.023117764
AMINO_SUGAR_AND_NUCLEOTIDE_SUGAR_METABOLISM	47	-0.5147307	-1.6831356	0.002659574	0.022588948
PENTOSE_AND_GLUCURONATE_INTERCONVERSIONS	16	-0.6651417	-1.6821744	0.009975063	0.022153500
DRUG_METABOLISM_OTHER_ENZYMES	56	-0.4914888	-1.6606933	0.000000000	0.027197815
LYSOSOME	122	-0.4247743	-1.6485690	0.003105590	0.029977636
NON_ALCOHOLIC_FATTY_LIVER_DISEASE_(NAFLD)	145	-0.4164187	-1.6450669	0.000000000	0.029691488
PEROXISOME	78	-0.4578171	-1.6438245	0.002941176	0.028906679
FATTY_ACID_DEGRADATION	41	-0.5052317	-1.6415334	0.004750594	0.028542904
ALANINE,_ASPARTATE_AND_GLUTAMATE_METABOLISM	30	-0.5470795	-1.6407957	0.002551020	0.027784022
SYSTEMIC_LUPUS_ERYTHEMATOSUS	117	-0.4306128	-1.6390088	0.000000000	0.027354350
CYTOKINE_CYTOKINE_RECEPTOR_INTERACTION	211	-0.3960312	-1.6339558	0.000000000	0.027618919
BETA_ALANINE_METABOLISM	28	-0.5469775	-1.6283941	0.020304568	0.028295178
RIBOSOME	149	-0.4079007	-1.6059694	0.000000000	0.034120973
PHENYLALANINE_METABOLISM	16	-0.6115105	-1.5887628	0.034567900	0.038411766
RETINOL_METABOLISM	39	-0.4931922	-1.5593607	0.011904762	0.048732550
LEUKOCYTE_TRANSENDOTHELIAL_MIGRATION	106	-0.4184410	-1.5532364	0.005681818	0.050460152
NATURAL_KILLER_CELL_MEDIATED_CYTOTOXICITY	99	-0.4141562	-1.5517760	0.002840909	0.050017570
VEGF_SIGNALING_PATHWAY	58	-0.4454053	-1.5329237	0.000000000	0.057472040
FC_EPSILON_RI_SIGNALING_PATHWAY	61	-0.4466009	-1.5268699	0.005333333	0.058937468
PARKINSON_DISEASE	133	-0.3924953	-1.5224127	0.000000000	0.059462335
ADIPOCYTOKINE_SIGNALING_PATHWAY	64	-0.4379740	-1.5159737	0.010362694	0.061699560
INSULIN_RESISTANCE	101	-0.3982464	-1.4977200	0.000000000	0.069447440
PRIMARY_BILE_ACID_BIOSYNTHESIS	15	-0.5968982	-1.4969113	0.043902438	0.068394380
CALCIUM_SIGNALING_PATHWAY	167	-0.3678696	-1.4939686	0.006006006	0.068570980
OVARIAN_STEROIDOGENESIS	41	-0.4595149	-1.4886183	0.028277636	0.069807634
ETHER_LIPID_METABOLISM	41	-0.4575913	-1.4878703	0.010309278	0.068830356
TYPE_II_DIABETES_MELLITUS	42	-0.4583874	-1.4837737	0.005405406	0.069954050
GLYCOSPHINGOLIPID_BIOSYNTHESIS_GANGLIO_SERIES	15	-0.5776730	-1.4447482	0.082725060	0.094968470
GLUTATHIONE_METABOLISM	47	-0.4419902	-1.4434694	0.029484030	0.094232515
INFLAMMATORY_MEDIATOR_REGULATION_OF_TRP_CHANNELS	88	-0.3841207	-1.4336865	0.011049724	0.100416675
CHOLESTEROL_METABOLISM	42	-0.4502297	-1.4325995	0.026109660	0.099250130
BIOSYNTHESIS_OF_UNSATURATED_FATTY_ACIDS	27	-0.4987567	-1.4283376	0.072463766	0.100647370
TYROSINE_METABOLISM	32	-0.4745273	-1.4228991	0.039893616	0.102812800
PHOSPHOLIPASE_D_SIGNALING_PATHWAY	138	-0.3570704	-1.4200753	0.005730659	0.103140090
FC_GAMMA_R_MEDIATED_PHAGOCYTOSIS	89	-0.3800546	-1.4113920	0.017391304	0.108299820
OTHER_GLYCAN_DEGRADATION	18	-0.5362620	-1.4107624	0.069135800	0.107305840
CITRATE_CYCLE_(TCA_CYCLE)	30	-0.4733595	-1.4097345	0.056470588	0.106133200
INTESTINAL_IMMUNE_NETWORK_FOR_IGA_PRODUCTION	38	-0.4519332	-1.4082408	0.043373495	0.105573180
PURINE_METABOLISM	122	-0.3567234	-1.4024241	0.002958580	0.108457920

PPAR_SIGNALING_PATHWAY	64	-0.4009843	-1.3998756	0.034210525	0.108717560
HEMATOPOIETIC_CELL_LINEAGE	79	-0.3893919	-1.3988720	0.019607844	0.107663630
ANTIFOLATE_RESISTANCE	31	-0.4636727	-1.3970035	0.057692308	0.107492510
GLYCOSAMINOGLYCAN_BIOSYNTHESIS_CHONDROITIN_SULFATE/_DERMATAN_SULFATE	20	-0.5245104	-1.3919725	0.064133020	0.109964960
BUTANOATE_METABOLISM	24	-0.4854510	-1.3731359	0.075060530	0.124703840
INFLUENZA_A	149	-0.3488921	-1.3664217	0.014880952	0.128705070
NON_SMALL_CELL_LUNG_CANCER	66	-0.3815979	-1.3581591	0.051075270	0.135622740
GLYCEROLIPID_METABOLISM	52	-0.3973323	-1.3557088	0.041558440	0.136508480
GLYCOPHINGOLIPID_BIOSYNTHESIS_LACTO_AND_NEOLACTO_SERIES	25	-0.4789693	-1.3553953	0.086206900	0.134847670
OXIDATIVE_PHOSPHORYLATION	127	-0.3490287	-1.3514482	0.014662757	0.136723970
CAMP_SIGNALING_PATHWAY	182	-0.3333354	-1.3493005	0.009345794	0.136825840
PYRUVATE_METABOLISM	38	-0.4272022	-1.3430712	0.064516130	0.141725480
PRIMARY_IMMUNODEFICIENCY	31	-0.4458249	-1.3416079	0.073604060	0.141215000
JAK_STAT_SIGNALING_PATHWAY	121	-0.3484663	-1.3406802	0.032163743	0.140296380
PLATINUM_DRUG_RESISTANCE	68	-0.3749844	-1.3256845	0.067934780	0.154879240
ALPHA_LINOLENIC_ACID_METABOLISM	20	-0.4832602	-1.3209558	0.129411770	0.158850460
CENTRAL_CARBON_METABOLISM_IN_CANCER	61	-0.3781401	-1.3206730	0.058333334	0.157137040
HIF_1_SIGNALING_PATHWAY	94	-0.3557498	-1.3160166	0.038251366	0.160158600
NICOTINATE_AND_NICOTINAMIDE_METABOLISM	27	-0.4436034	-1.3141055	0.103686640	0.160045280
PROTEIN_PROCESSING_IN_ENDOPLASMIC_RETICULUM	158	-0.3268047	-1.3103749	0.024390243	0.163022560
STARCH_AND_SUCROSE_METABOLISM	31	-0.4473287	-1.3073328	0.119700745	0.165180180
VALINE,_LEUCINE_AND_ISOLEUCINE_DEGRADATION	46	-0.4044118	-1.3048762	0.070175440	0.166229980
LEGIONELLOSIS	54	-0.3875036	-1.3024219	0.072639230	0.167471330
AMYOTROPHIC_LATERAL_SCLEROSIS_(ALS)	47	-0.3864511	-1.3011973	0.066838050	0.167034420
FATTY_ACID_ELONGATION	27	-0.4440093	-1.3006350	0.086206900	0.165906790
RAP1_SIGNALING_PATHWAY	189	-0.3199277	-1.2998272	0.012618297	0.164993960
HISTIDINE_METABOLISM	21	-0.4781089	-1.2997003	0.119718310	0.163454120
THIAMINE_METABOLISM	16	-0.4895103	-1.2864429	0.144278600	0.177415890
CARDIAC_MUSCLE_CONTRACTION	71	-0.3633528	-1.2852060	0.070528970	0.176947010
THERMOGENESIS	221	-0.3058897	-1.2835689	0.017301038	0.177060870
PERTUSSIS	73	-0.3632758	-1.2835451	0.064245810	0.175196300
PROXIMAL_TUBULE_BICARBONATE_RECLAMATION	19	-0.4734367	-1.2704505	0.134663340	0.189381050
SPHINGOLIPID_SIGNALING_PATHWAY	117	-0.3297332	-1.2701705	0.052478135	0.187797860
RENIN_ANGIOTENSIN_SYSTEM	21	-0.4632871	-1.2657450	0.161764710	0.191956650
ABC_TRANSPORTERS	42	-0.3974114	-1.2639980	0.128608930	0.192173630
VIRAL_CARCINOGENESIS	191	-0.3061597	-1.2585855	0.049019610	0.197225720
AXON_GUIDANCE	171	-0.3074399	-1.2579639	0.036544852	0.196184600
AMPK_SIGNALING_PATHWAY	115	-0.3296958	-1.2532026	0.059347183	0.199736920
HUNTINGTON_DISEASE	183	-0.3051923	-1.2484401	0.045592707	0.204409440
VIRAL_MYOCARDITIS	55	-0.3651846	-1.2479844	0.086720870	0.202973190
CHOLINE_METABOLISM_IN_CANCER	96	-0.3275338	-1.2382607	0.072222225	0.214246690

GLYCEROPHOSPHOLIPID_METABOLISM	87	-0.3387934	-1.2342460	0.109625670	0.218803640
BASE_EXCISION_REPAIR	33	-0.4082963	-1.2322102	0.142506140	0.219976510
GLYCINE,_SERINE_AND_THREONINE_METABOLISM	36	-0.4011854	-1.2318119	0.151219520	0.218425300
ERBB_SIGNALING_PATHWAY	81	-0.3435532	-1.2296628	0.111688310	0.219587770
ALZHEIMER_DISEASE	167	-0.3053984	-1.2253475	0.067278290	0.223810580
HUMAN_IMMUNODEFICIENCY_VIRUS_1_INFECTION	192	-0.2988579	-1.2232958	0.067961164	0.224583220
C_TYPE_LECTIN_RECEPTOR_SIGNALING_PATHWAY	97	-0.3250908	-1.2228960	0.085635360	0.223219620
CYSTEINE_AND_METHIONINE_METABOLISM	46	-0.3706465	-1.2223815	0.148717950	0.221975450
EPSTEIN_BARR_VIRUS_INFECTION	183	-0.3013155	-1.2207065	0.045307443	0.222694930
CELL_ADHESION_MOLECULES_(CAMS)	136	-0.3126775	-1.2184404	0.073746316	0.224025370
INFLAMMATORY_BOWEL_DISEASE_(IBD)	51	-0.3641039	-1.2147500	0.155495970	0.227298560
INSULIN_SIGNALING_PATHWAY	130	-0.3101356	-1.2101622	0.097058825	0.231128750
NEUROACTIVE_LIGAND_RECEPTOR_INTERACTION	215	-0.2909402	-1.2043150	0.054545455	0.237504170
REGULATION_OF_LIPOLYSIS_IN_ADIPOCYTES	49	-0.3618686	-1.1948229	0.154228850	0.249939100
PYRIMIDINE_METABOLISM	54	-0.3528065	-1.1941708	0.170792070	0.248834120
MINERAL_ABSORPTION	42	-0.3720032	-1.1913689	0.178217830	0.251258760
FLUID_SHEAR_STRESS_AND_ATHEROSCLEROSIS	132	-0.3013558	-1.1909375	0.096096100	0.249885070
OSTEOCLAST_DIFFERENTIATION	116	-0.3073788	-1.1906033	0.106628240	0.248433950
MEASLES	121	-0.3094420	-1.1849867	0.107692310	0.255198700
HUMAN_PAPILLOMAVIRUS_INFECTION	306	-0.2716409	-1.1763369	0.046099290	0.267557830
EGFR_TYROSINE_KINASE_INHIBITOR_RESISTANCE	77	-0.3264856	-1.1763248	0.159459460	0.265382560
MAPK_SIGNALING_PATHWAY	275	-0.2725282	-1.1687030	0.073684210	0.275641260
B_CELL_RECEPTOR_SIGNALING_PATHWAY	70	-0.3264826	-1.1559585	0.187335090	0.295969200
ENDOCRINE_AND_OTHER_FACTOR_REGULATED_CALCIIUM_REABSORPTION	41	-0.3574399	-1.1547987	0.220095700	0.295691300
HEPATITIS_C	137	-0.2935676	-1.1505594	0.138643070	0.300748400
ECM_RECEPTOR_INTERACTION	78	-0.3154752	-1.1413789	0.183673470	0.315882120
BASAL_CELL_CARCINOMA	59	-0.3298688	-1.1392858	0.200527700	0.317410200
MANNOSE_TYPE_O_GLYCAN_BIOSYNTHESIS	21	-0.4177033	-1.1310070	0.262086500	0.330663900
TOXOPLASMOSIS	106	-0.3044662	-1.1276355	0.189701900	0.334974350
RAS_SIGNALING_PATHWAY	203	-0.2743125	-1.1269833	0.124590166	0.333702620
PRION_DISEASES	32	-0.3745491	-1.1267147	0.260975600	0.331684770
CHAGAS_DISEASE_(AMERICAN_TRYPANOSOMIASIS)	95	-0.3048780	-1.1220087	0.193905820	0.337944200
ALDOSTERONE_REGULATED_SODIUM_REABSORPTION	32	-0.3723760	-1.1209319	0.267002520	0.337524440
FOXO_SIGNALING_PATHWAY	126	-0.2897119	-1.1186079	0.213675220	0.339520630
HEPATOCELLULAR_CARCINOMA	158	-0.2795597	-1.1136484	0.150769230	0.346957240
OTHER_TYPES_OF_O_GLYCAN_BIOSYNTHESIS	22	-0.3954251	-1.1107203	0.272093030	0.350238080
PHAGOSOME	140	-0.2812355	-1.1086347	0.209770110	0.351689460
ASTHMA	21	-0.4025746	-1.0985887	0.295121940	0.371135100
HUMAN_CYTOMEGALOVIRUS_INFECTION	205	-0.2635377	-1.0965077	0.167224080	0.373267050
ENDOCYTOSIS	240	-0.2627726	-1.0963826	0.193430660	0.370853220
TH17_CELL_DIFFERENTIATION	95	-0.2971745	-1.0919672	0.239554320	0.377963130

GLYOXYLATE_AND_DICARBOXYLATE_METABOLISM	27	-0.3715660	-1.0862017	0.313539200	0.388313260
GLIOMA	74	-0.3033951	-1.0829052	0.268617030	0.393233150
ENDOMETRIAL_CANCER	58	-0.3150016	-1.0816427	0.288311700	0.393254280
TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY	88	-0.2925549	-1.0786307	0.292134820	0.396938740
PROTEOGLYCANS_IN_CANCER	192	-0.2632765	-1.0777968	0.247524750	0.396170530
PLATELET_ACTIVATION	119	-0.2788812	-1.0774012	0.235772360	0.394423220
ALCOHOLISM	163	-0.2683263	-1.0763118	0.274576280	0.394150880
ESTROGEN_SIGNALING_PATHWAY	120	-0.2762115	-1.0672239	0.264331220	0.411835370
NEUROTROPHIN_SIGNALING_PATHWAY	115	-0.2819871	-1.0658495	0.290502800	0.412194200
N_GLYCAN_BIOSYNTHESIS	48	-0.3179286	-1.0638539	0.314356450	0.414059800
APOPTOSIS	132	-0.2702236	-1.0573157	0.286644970	0.426709380
FERROPTOSIS	39	-0.3359644	-1.0568261	0.334177230	0.425258520
REGULATION_OF_ACTIN_CYTOSKELETON	198	-0.2566118	-1.0519344	0.294670850	0.434339520
THYROID_CANCER	37	-0.3404059	-1.0517904	0.362944160	0.431923720
NECROPTOSIS	144	-0.2661188	-1.0477219	0.308333340	0.438963350
RENAL_CELL_CARCINOMA	65	-0.2908222	-1.0402874	0.348571420	0.454151840
MALARIA	41	-0.3253453	-1.0361768	0.370466320	0.461053700
TUBERCULOSIS	156	-0.2603973	-1.0345379	0.334426220	0.462660900
PANCREATIC_CANCER	75	-0.2872846	-1.0341746	0.367688030	0.460635240
ALDOSTERONE_SYNTHESIS_AND_SECRETION	87	-0.2798176	-1.0291182	0.348703180	0.470304220
INSULIN_SECRETION	72	-0.2865239	-1.0259483	0.404371600	0.475028750
ARRHYTHMOGENIC_RIGHT_VENTRICULAR_CARDIOMYOPATHY_(ARVC)	70	-0.2899045	-1.0234582	0.379603400	0.478718730
ACUTE_MYELOID_LEUKEMIA	62	-0.2866652	-1.0154976	0.395894440	0.495520400
TNF_SIGNALING_PATHWAY	107	-0.2636427	-1.0079810	0.440318320	0.512366700
CHEMOKINE_SIGNALING_PATHWAY	168	-0.2475723	-1.0004078	0.460317460	0.529191400
NOTCH_SIGNALING_PATHWAY	47	-0.3013955	-0.9961230	0.459948330	0.537405900
IL_17_SIGNALING_PATHWAY	79	-0.2753728	-0.9839990	0.459610020	0.567203040
AMOEBIASIS	85	-0.2692584	-0.9798918	0.460227280	0.575001960
INOSITOL_PHOSPHATE_METABOLISM	71	-0.2755332	-0.9775584	0.479564040	0.578365500
ENDOCRINE_RESISTANCE	94	-0.2597407	-0.9738233	0.519021750	0.585338200
THYROID_HORMONE_SYNTHESIS	62	-0.2812413	-0.9705275	0.497382200	0.590583500
AUTOPHAGY_ANIMAL	123	-0.2531570	-0.9688863	0.527950300	0.591783300
PROLACTIN_SIGNALING_PATHWAY	63	-0.2767168	-0.9679014	0.488311680	0.590969100
TH1_AND_TH2_CELL_DIFFERENTIATION	81	-0.2666145	-0.9630224	0.538674060	0.601246400
SPHINGOLIPID_METABOLISM	45	-0.2894295	-0.9593853	0.501272260	0.608126000
HYPERTROPHIC_CARDIOMYOPATHY_(HCM)	82	-0.2656406	-0.9536029	0.535519100	0.621249500
T_CELL_RECEPTOR_SIGNALING_PATHWAY	88	-0.2561338	-0.9423973	0.591891900	0.649352970
RIG_I_LIKE_RECEPTOR_SIGNALING_PATHWAY	54	-0.2791851	-0.9315450	0.595567900	0.675578500
AMINOACYL_TRNA_BIOSYNTHESIS	44	-0.2864379	-0.9231307	0.569711570	0.695954560
VIBRIO_CHOLERAE_INFECTION	47	-0.2808882	-0.9216883	0.568000000	0.696012440
DILATED_CARDIOMYOPATHY_(DCM)	85	-0.2544757	-0.9205792	0.659517400	0.695381500

TRYPTOPHAN_METABOLISM	43	-0.2801380	-0.9198942	0.601467000	0.693481560
SALMONELLA_INFECTION	81	-0.2482373	-0.9182283	0.657223800	0.694098100
GLYCOSAMINOGLYCAN_DEGRADATION	18	-0.3485469	-0.9168951	0.561445800	0.694111650
LEISHMANIASIS	66	-0.2629819	-0.9164488	0.649456500	0.691468900
BILE_SECRETION	55	-0.2668008	-0.8992962	0.666666700	0.733464400
VITAMIN_DIGESTION_AND_ABSORPTION	19	-0.3380592	-0.8966253	0.618581900	0.736856400
MITOPHAGY_ANIMAL	63	-0.2527371	-0.8795934	0.718421040	0.775924150
APOPTOSIS_MULTIPLE_SPECIES	31	-0.2874987	-0.8781193	0.667532440	0.775481640
CYTOSOLIC_DNA_SENSING_PATHWAY	49	-0.2613117	-0.8692758	0.724310760	0.792437100
AUTOPHAGY_OTHER	31	-0.2731261	-0.8456846	0.758104740	0.840400040
SNARE_INTERACTIONS_IN_VESICULAR_TRANSPORT	34	-0.2695399	-0.8092166	0.810256400	0.903201040
NF_KAPPA_B_SIGNALING_PATHWAY	88	-0.2202461	-0.8049725	0.925729450	0.905270640
AFRICAN_TRYPANOSOMIASIS	33	-0.2520601	-0.7839755	0.865822800	0.929529300
PANTOTHENATE_AND_COA_BIOSYNTHESIS	16	-0.2999851	-0.7759533	0.802884640	0.934284570
PROPANOATE_METABOLISM	32	-0.2464302	-0.7524998	0.905213300	0.953022960
GLYCOSAMINOGLYCAN_BIOSYNTHESIS_HEPARAN_SULFATE/_HEPARIN	22	-0.2593738	-0.7210922	0.881355940	0.970565800
ONE_CARBON_POOL_BY_FOLATE	20	-0.2581922	-0.6990164	0.915662650	0.976956960
SELENOCOMPOUND_METABOLISM	18	-0.2381074	-0.6224972	0.935162070	0.992344700

Legend: KEGG pathways of differentially expressed genes that were altered significantly after METTL3 knockout, p-values <0.05 were indicated.

Supplementary Table 5. Metabolites involved in METTL3 knockout in MCF-7

Level2	Level1	Pathway	KEGG	NumberCompound	NumberFeature	Compound	Feature
Amino acid metabolism	Metabolism	Glycine, serine and threonine metabolism; Arginine biosynthesis; Alanine, aspartate and glutamate metabolism; Cysteine and methionine metabolism; Lysine biosynthesis; Histidine metabolism; Arginine and proline metabolism	map00260; map00220; map00250; map00270; map00300; map00340; map00330	9	11	C00049; C01042; C01682; C01035; C03406; C00740; C05570; C03145; C00631	pos-0.899_304.13816; neg-0.857_290.12246; pos-1.374_145.08496; neg-3.455_177.04577; neg-0.912_175.0478; neg-0.839_133.03726; neg-0.837_105.04214; pos-1.363_304.13821; pos-1.327_105.04254; neg-0.865_185.99259;
Biosynthesis of other secondary metabolites	Metabolism	Monobactam biosynthesis Biosynthesis of various secondary metabolites - part 3; Clavulanic acid biosynthesis	map00261; map00997; map00331	2	2	C00049; C06655 C00049;	neg-0.839_133.03726; neg-0.86_246.1325 neg-0.839_133.03726;
Cancer: overview	Human Diseases	Central carbon metabolism in cancer; Choline metabolism in cancer	map05230; map05231	4	4	C00093; C00631; C00670	neg-0.857_172.01339; neg-0.865_185.99259; pos-0.849_257.10254
Carbohydrate metabolism	Metabolism	Glycolysis / Gluconeogenesis Pentose phosphate pathway; Glyoxylate and dicarboxylate metabolism; Galactose metabolism;	map00010; map00030; map00630; map00052;	2	3	C00052; C00631	neg-0.909_566.05511; neg-1.008_566.05514; neg-0.865_185.99259
Cell motility	Cellular Processes	Amino sugar and nucleotide sugar metabolism Bacterial chemotaxis Biosynthesis of plant secondary metabolites	map00520 map02030 map01060;	1	1	C00049	neg-0.839_133.03726
Chemical structure transformation maps	Metabolism	Biosynthesis of alkaloids derived from ornithine, lysine and nicotinic acid; Biosynthesis of plant hormones; Biosynthesis of phenylpropanoids; Biosynthesis of terpenoids and steroids;	map01064; map01070; map01061; map01062;	2	2	C00049; C00631	neg-0.839_133.03726; neg-0.865_185.99259
Digestive system	Organismal Systems	Biosynthesis of alkaloids derived from shikimate pathway Protein digestion and absorption	map01063 map04974	1	1	C00049	neg-0.839_133.03726
Drug resistance: antimicrobial	Human Diseases	Vancomycin resistance	map01502	1	2	C00740	neg-0.327_105.04254; neg-0.837_105.04214
Endocrine and metabolic disease	Human Diseases	Insulin resistance	map04931	1	1	C02571	neg-3.788_203.11557
Endocrine system	Organismal Systems	Glucagon signaling pathway	map04922	1	1	C00631	neg-0.865_185.99259
Energy metabolism	Metabolism	Carbon fixation in photosynthetic organisms Methane metabolism	map00710; map00680	2	2	C00049; C00631	neg-0.839_133.03726; neg-0.865_185.99259 neg-0.857_290.12246; neg-0.978_212.00824;
Global and overview maps	Metabolism	Metabolic pathways; Biosynthesis of secondary metabolites; Microbial metabolism in diverse environments; Carbon metabolism; 2-Oxocarboxylic acid metabolism; Biosynthesis of amino acids; Biosynthesis of cofactors	map01100; map01110; map01120; map01200; map01210; map01230; map01240	17	24	C00049; C01042; C00052; C00112; C00299; C17947; C06655; C03406; C00106; C14519; C01368; C01035; C01596; C00093; C00740; C05570; C00631	neg-0.839_133.03726; pos-1.363_324.03551; pos-1.327_105.04254; neg-0.89_403.01788; neg-0.865_185.99259; pos-0.899_229.08831; neg-0.86_246.1325; neg-0.912_175.0478; neg-0.919_115.02663; neg-1.384_115.02663; neg-0.857_172.01339; pos-1.374_145.08496; neg-0.909_566.05511; neg-1.548_244.06945; neg-0.916_324.0357; pos-3.257_218.0727; pos-1.528_112.02721; neg-3.282_218.0724; neg-0.839_133.03726; neg-1.008_566.05514; neg-0.909_566.05511;
Glycan biosynthesis and metabolism	Metabolism	O-Antigen nucleotide sugar biosynthesis	map00541	1	2	C00052	neg-1.008_566.05514 pos-7.327_302.22438;
Lipid metabolism	Metabolism	Glycerolipid metabolism Glycerophospholipid metabolism; Ether lipid metabolism; Biosynthesis of unsaturated fatty acids	map00561; map00564; map00565; map01040	4	4	C06428; C00631; C00670; C00093	neg-0.857_172.01339; neg-0.865_185.99259; pos-0.849_257.10254

Membrane transport	Environmental Information Processing	ABC transporters	map02010	4	5	C00299; C00049; C01682; C00093	pos-0.899_304.13816; neg-0.857_172.01339; neg-0.839_133.03726; neg-1.548_244.06945; pos-1.363_304.13821 pos-1.528_112.02721;
Metabolism of cofactors and vitamins	Metabolism	Nicotinate and nicotinamide metabolism; Pantothenate and CoA biosynthesis	map00760; map00770	3	5	C00049; C00106; C01596	neg-0.919_115.02663; neg-0.839_133.03726; neg-1.384_115.02663; pos-1.371_112.0272 neg-0.839_133.03726;
Metabolism of other amino acids	Metabolism	beta-Alanine metabolism; Cyanoamino acid metabolism; Phosphonate and phosphinate metabolism	map00410; map00460; map00440	3	4	C00049; C17947; C00106	neg-0.978_212.00824; pos-1.371_112.0272; pos-1.528_112.02721 pos-1.528_112.02721;
Nucleotide metabolism	Metabolism	Pyrimidine metabolism	map00240	4	7	C00299; C01368; C00112; C00106	neg-1.548_244.06945; pos-1.363_324.03551; pos-1.371_112.0272; pos-0.902_324.03535; neg-0.916_324.0357; pos-0.89_403.01788 pos-1.327_105.04254;
Sensory system	Organismal Systems	Taste transduction	map04742	1	2	C00740	neg-0.837_105.04214
Signal transduction	Environmental Information Processing	Two-component system	map02020	1	1	C00049	neg-0.839_133.03726
Signaling molecules and interaction	Environmental Information Processing	Neuroactive ligand-receptor interaction	map04080	1	1	C00049	neg-0.839_133.03726
Translation	Genetic Information Processing	Aminoacyl-tRNA biosynthesis	map00970	1	1	C00049	neg-0.839_133.03726
Xenobiotics biodegradation and metabolism	Metabolism	Polycyclic aromatic hydrocarbon degradation	map00624	1	2	C14519	pos-3.257_218.0727; neg-3.282_218.0724

Legend: KEGG pathways of different metabolites that were altered significantly after knocking out METTL3 expression, p-values <0.05 were indicated