

**Supplemental Table S1**  
**Site Table COF 1e-05**

DMR Name	Chr	Start	Stop	Length	# Sig Win	minP	maxLFC	CpG #	CpG Density	DMR Associated Gene Annotation	Gene Category
DMR1:1388001	1	1388001	1389000	1000	1	8.87E-08	1.4581019	7	0.7	AABR07000137.1	
DMR1:4167001	1	4167001	4168000	1000	1	4.76E-06	1.6534866	9	0.9		
DMR1:4326001	1	4326001	4328000	2000	1	9.10E-06	1.2829199	24	1.2	AABR07000200.1	
DMR1:4514001	1	4514001	4515000	1000	1	2.49E-07	1.3866471	5	0.5	Adgb	
DMR1:4846001	1	4846001	4847000	1000	1	4.28E-07	1.6476875	3	0.3	Grm1	Receptor
DMR1:7747001	1	7747001	7748000	1000	1	3.71E-06	2.4374982	9	0.9	Adat2	Metabolism
DMR1:8807001	1	8807001	8809000	2000	1	1.06E-06	1.8531895	14	0.7		
DMR1:8972001	1	8972001	8973000	1000	1	2.07E-08	1.9508382	6	0.6		
DMR1:12595001	1	12595001	12596000	1000	1	8.01E-06	1.4796208	10	1		
DMR1:12790001	1	12790001	12791000	1000	1	2.44E-06	1.7138583	7	0.7	AC128394.3	
DMR1:12804001	1	12804001	12805000	1000	1	6.37E-06	1.2793404	10	1	AC128394.3	
DMR1:13099001	1	13099001	13100000	1000	1	9.54E-06	1.4351777	4	0.4		
DMR1:13304001	1	13304001	13305000	1000	1	5.95E-06	1.4431826	11	1.1	Reps1;Ect2l	Signaling
DMR1:14310001	1	14310001	14311000	1000	1	2.92E-06	1.9245906	22	2.2		
DMR1:14800001	1	14800001	14801000	1000	1	1.42E-06	2.1421096	15	1.5	Olig3	Transcription
DMR1:14948001	1	14948001	14949000	1000	1	3.46E-07	1.8191879	7	0.7	AABR07000493.1	
DMR1:19261001	1	19261001	19264000	3000	1	4.85E-06	1.5836716	33	1.1	Arhgap18	Signaling
DMR1:19472001	1	19472001	19473000	1000	1	9.43E-06	1.5748183	14	1.4		
DMR1:20562001	1	20562001	20563000	1000	1	3.84E-07	1.9752864	2	0.2		
DMR1:20651001	1	20651001	20653000	2000	1	5.52E-06	2.0214582	14	0.7		
DMR1:21608001	1	21608001	21609000	1000	1	2.47E-06	2.2424537	4	0.4	Enpp3	
DMR1:21721001	1	21721001	21722000	1000	1	3.74E-06	2.232951	4	0.4		
DMR1:22549001	1	22549001	22550000	1000	1	5.23E-06	1.3743665	14	1.4	Taar5;Taar4	Receptor
DMR1:29821001	1	29821001	29823000	2000	1	4.77E-06	1.8790023	14	0.7		
DMR1:30725001	1	30725001	30726000	1000	1	2.92E-08	2.4658385	8	0.8	Rspo3	
DMR1:35432001	1	35432001	35433000	1000	1	7.28E-06	1.5062274	7	0.7		
DMR1:35657001	1	35657001	35658000	1000	1	9.33E-06	1.8112916	4	0.4		
DMR1:36375001	1	36375001	36376000	1000	1	9.59E-06	1.8866468	5	0.5		
DMR1:37712001	1	37712001	37714000	2000	1	4.44E-06	2.1544946	10	0.5	RGD1308544	EST
DMR1:40090001	1	40090001	40092000	2000	2	1.91E-06	1.8013999	5	0.25	lyd	Metabolism
DMR1:40637001	1	40637001	40639000	2000	1	4.42E-06	1.4169688	17	0.85	Mthfd1l	Metabolism
DMR1:41147001	1	41147001	41149000	2000	1	1.57E-07	1.7286244	13	0.65		
DMR1:41386001	1	41386001	41387000	1000	1	1.84E-06	1.3940797	2	0.2	Esr1;RF00604	Receptor
DMR1:45172001	1	45172001	45173000	1000	1	6.21E-06	1.4868104	2	0.2		
DMR1:45379001	1	45379001	45380000	1000	1	6.98E-07	2.1789565	9	0.9		
DMR1:45571001	1	45571001	45572000	1000	1	4.08E-06	1.347893	8	0.8		
DMR1:47257001	1	47257001	47258000	1000	1	3.32E-06	1.6195886	15	1.5	Syt13	Transport
DMR1:47756001	1	47756001	47757000	1000	1	9.15E-06	1.6864687	6	0.6		
DMR1:48296001	1	48296001	48297000	1000	1	7.38E-08	1.7497887	9	0.9	Slc22a1	Metabolism
DMR1:51372001	1	51372001	51374000	2000	1	1.80E-08	2.1409085	25	1.25		
DMR1:51505001	1	51505001	51506000	1000	1	2.16E-06	1.7639291	16	1.6		
DMR1:51940001	1	51940001	51944000	4000	1	2.35E-06	1.1802464	29	0.725		
DMR1:53277001	1	53277001	53278000	1000	1	8.22E-06	2.124918	10	1	AABR07001573.1	
DMR1:54023001	1	54023001	54024000	1000	1	3.83E-06	1.3866744	9	0.9	RF00026	
DMR1:54314001	1	54314001	54315000	1000	1	7.53E-07	1.4367455	9	0.9	AABR07001623.1	
DMR1:54317001	1	54317001	54318000	1000	1	2.86E-06	1.7021533	3	0.3	AABR07001623.1	
DMR1:54838001	1	54838001	54842000	4000	1	6.46E-06	1.8266127	28	0.7		
DMR1:64430001	1	64430001	64432000	2000	1	6.77E-06	1.5868339	34	1.7	Prkcg;Myadm	Binding Protein;Development
DMR1:67176001	1	67176001	67177000	1000	1	8.74E-06	1.3484151	4	0.4	Vom1r44	
DMR1:73761001	1	73761001	73762000	1000	1	3.63E-07	1.6110034	2	0.2	Ttyh1;RF00003	Transport
DMR1:80704001	1	80704001	80707000	3000	1	3.47E-07	1.5556006	30	1	Cblc	Metabolism
DMR1:81821001	1	81821001	81823000	2000	1	3.69E-07	1.3992354	48	2.4		
DMR1:83833001	1	83833001	83834000	1000	1	1.37E-06	1.6071473	2	0.2		
DMR1:85585001	1	85585001	85586000	1000	1	4.55E-06	1.6854094	6	0.6	AABR07002805.1	
DMR1:85602001	1	85602001	85604000	2000	1	8.36E-06	1.629513	17	0.85		
DMR1:86933001	1	86933001	86937000	4000	1	8.51E-06	1.7160918	52	1.3	Mrps12;Sars2;Ccer2;Nfkbib	Transcription;Signaling

DMR1:87750001	1	87750001	87752000	2000	1	4.52E-06	2.6523682	45	2.25	Zfp84	Transcription
DMR1:88700001	1	88700001	88701000	1000	1	1.09E-06	1.7729366	8	0.8	Ovol3;Wdr62	
DMR1:90438001	1	90438001	90440000	2000	1	3.16E-06	1.2989026	24	1.2		
DMR1:92681001	1	92681001	92682000	1000	1	1.72E-06	2.3158387	6	0.6		
DMR1:92805001	1	92805001	92808000	3000	1	6.13E-08	1.8088892	28	0.933		
DMR1:94447001	1	94447001	94450000	3000	1	7.36E-07	1.5322474	46	1.533	AABR07003040.1	
DMR1:94670001	1	94670001	94672000	2000	1	5.93E-06	2.0593191	11	0.55	Pop4	Metabolism
DMR1:95362001	1	95362001	95363000	1000	1	6.06E-06	1.6943228	6	0.6		
DMR1:98589001	1	98589001	98590000	1000	1	4.78E-06	1.5465314	11	1.1		
DMR1:99653001	1	99653001	99655000	2000	1	3.88E-07	1.8130898	15	0.75	Klk13	Protease
DMR1:99742001	1	99742001	99744000	2000	1	4.80E-08	2.0132089	16	0.8	Klk9;Klk8;Klk7	Protease;Metabolism
DMR1:100024001	1	100024001	100025000	1000	1	7.46E-06	1.4956833	4	0.4		
DMR1:102952001	1	102952001	102953000	1000	1	3.83E-07	1.9001284	4	0.4	Tsg101	Metabolism
DMR1:104472001	1	104472001	104473000	1000	1	9.83E-06	1.7401248	7	0.7		
DMR1:108000001	1	108000001	108001000	1000	1	9.97E-06	2.2590599	1	0.1		
DMR1:108644001	1	108644001	108645000	1000	1	5.88E-06	1.7708235	2	0.2	AABR07003392.1	
DMR1:118085001	1	118085001	118086000	1000	1	1.62E-07	1.5926862	7	0.7	AABR07003751.1	
DMR1:118331001	1	118331001	118332000	1000	1	7.43E-06	1.629908	4	0.4	AABR07003786.1	
DMR1:124151001	1	124151001	124152000	1000	1	2.74E-06	1.6443109	6	0.6		
DMR1:125116001	1	125116001	125118000	2000	1	3.75E-06	-1.3735975	11	0.55	Mttr10	Cytoskeleton
DMR1:125342001	1	125342001	125344000	2000	1	5.53E-07	1.5778093	9	0.45		
DMR1:126110001	1	126110001	126111000	1000	1	8.08E-07	1.6206972	19	1.9		
DMR1:128452001	1	128452001	128453000	1000	1	7.53E-06	1.878641	3	0.3		
DMR1:130575001	1	130575001	130576000	1000	1	9.57E-08	2.002383	8	0.8	AABR07004221.2	
DMR1:131897001	1	131897001	131899000	2000	1	2.62E-08	1.7696213	16	0.8		
DMR1:133723001	1	133723001	133724000	1000	1	6.54E-06	1.967755	1	0.1	LOC102553828	
DMR1:134005001	1	134005001	134006000	1000	1	5.14E-06	1.5918908	7	0.7		
DMR1:134646001	1	134646001	134647000	1000	1	9.84E-06	1.376088	13	1.3		
DMR1:134702001	1	134702001	134703000	1000	1	1.63E-07	1.4745402	8	0.8	Rgma	
DMR1:135019001	1	135019001	135021000	2000	1	3.72E-06	1.6115148	19	0.95		
DMR1:136436001	1	136436001	136437000	1000	1	2.13E-06	1.5746219	3	0.3		
DMR1:136565001	1	136565001	136566000	1000	1	2.19E-06	1.3704735	6	0.6		
DMR1:136962001	1	136962001	136963000	1000	1	3.85E-07	1.599173	6	0.6		
DMR1:138074001	1	138074001	138075000	1000	1	9.63E-06	1.4815294	8	0.8	Agbl1	Signaling
DMR1:138600001	1	138600001	138601000	1000	1	3.91E-06	1.8544351	4	0.4	Agbl1	Signaling
DMR1:139575001	1	139575001	139576000	1000	1	9.59E-06	1.6496965	4	0.4		
DMR1:141116001	1	141116001	141117000	1000	1	5.93E-06	2.2039263	39	3.9	Rlbp1;Fanci	Receptor
DMR1:141500001	1	141500001	141502000	2000	1	3.05E-06	1.8963968	12	0.6	Wdr93;AC096024.2	
DMR1:143396001	1	143396001	143397000	1000	1	7.26E-07	1.2442978	6	0.6	Fsd2;Whamm	
DMR1:144029001	1	144029001	144031000	2000	1	7.82E-07	1.649682	9	0.45		
DMR1:144198001	1	144198001	144199000	1000	1	1.28E-06	1.8065641	6	0.6	Sh3gl3	Signaling
DMR1:144383001	1	144383001	144385000	2000	1	4.07E-06	1.9424618	14	0.7	Adamtsl3	Extracellular Matrix
DMR1:146577001	1	146577001	146578000	1000	1	1.28E-06	1.6051383	3	0.3		
DMR1:153051001	1	153051001	153052000	1000	1	1.63E-07	-1.3300664	6	0.6	Tmem135	Unknown
DMR1:157727001	1	157727001	157729000	2000	1	8.86E-06	1.3761309	23	1.15	Prcp	Proteolysis
DMR1:158020001	1	158020001	158021000	1000	1	6.56E-07	2.1015503	5	0.5		
DMR1:158395001	1	158395001	158396000	1000	1	6.80E-06	1.3229005	4	0.4		
DMR1:158782001	1	158782001	158783000	1000	1	1.09E-06	1.4752878	6	0.6		
DMR1:158787001	1	158787001	158788000	1000	1	8.72E-07	1.5890363	4	0.4		
DMR1:161056001	1	161056001	161057000	1000	1	3.67E-06	1.5552496	7	0.7		
DMR1:161193001	1	161193001	161194000	1000	1	5.13E-07	1.7848359	5	0.5		
DMR1:162408001	1	162408001	162409000	1000	1	1.88E-09	2.4872761	9	0.9		
DMR1:165863001	1	165863001	165865000	2000	1	6.66E-06	1.7931486	16	0.8	Fam168a	
DMR1:166642001	1	166642001	166643000	1000	1	1.21E-07	1.9828764	5	0.5		
DMR1:169600001	1	169600001	169601000	1000	1	9.45E-06	1.7226139	5	0.5	Olr155;Olr156	
DMR1:170393001	1	170393001	170394000	1000	1	1.76E-06	1.5074671	9	0.9	Smpd1;Apbb1	Signaling;Receptor
DMR1:173379001	1	173379001	173381000	2000	1	1.66E-06	2.1260571	8	0.4		
DMR1:174502001	1	174502001	174503000	1000	1	4.78E-06	1.5580306	13	1.3	Scube2	Extracellular Matrix
DMR1:178582001	1	178582001	178583000	1000	1	5.53E-06	1.3616945	12	1.2		
DMR1:178666001	1	178666001	178667000	1000	1	9.33E-06	2.0190516	4	0.4	Spon1	Growth Factors & Cytokines

DMR1:180309001	1	180309001	180310000	1000	1	1.68E-06	2.3231867	3	0.3		
DMR1:184326001	1	184326001	184328000	2000	1	9.47E-06	1.5007936	10	0.5	Insc	
DMR1:185632001	1	185632001	185634000	2000	1	2.13E-06	2.0907865	74	3.7	AC128610.1	
DMR1:186054001	1	186054001	186055000	1000	1	1.13E-06	1.7063794	7	0.7	Sox6	Development
DMR1:186230001	1	186230001	186231000	1000	1	2.26E-06	1.5339307	11	1.1		
DMR1:186334001	1	186334001	186336000	2000	1	7.84E-06	1.6769833	4	0.2		
DMR1:186904001	1	186904001	186905000	1000	1	7.11E-06	1.946103	2	0.2		
DMR1:188432001	1	188432001	188434000	2000	1	1.89E-06	1.7379053	17	0.85	Ccp110	
DMR1:189704001	1	189704001	189705000	1000	1	3.00E-06	1.6824147	3	0.3	AABR07005593.1	
DMR1:192378001	1	192378001	192379000	1000	1	9.64E-06	1.316697	14	1.4	Prkcb	Signaling
DMR1:196235001	1	196235001	196237000	2000	1	7.60E-06	2.0727311	9	0.45		
DMR1:196679001	1	196679001	196680000	1000	1	8.06E-06	1.6697109	9	0.9		
DMR1:196784001	1	196784001	196787000	3000	1	4.86E-07	1.7587074	38	1.267		
DMR1:197699001	1	197699001	197700000	1000	1	1.11E-06	1.4232123	5	0.5		
DMR1:199737001	1	199737001	199739000	2000	1	9.67E-06	2.0664843	16	0.8		
DMR1:202368001	1	202368001	202369000	1000	1	5.48E-06	2.0579396	5	0.5		
DMR1:202963001	1	202963001	202965000	2000	1	5.56E-06	2.6166385	8	0.4		
DMR1:204198001	1	204198001	204200000	2000	1	7.23E-06	1.6488502	13	0.65		
DMR1:209658001	1	209658001	209659000	1000	1	9.23E-08	2.2611224	5	0.5		
DMR1:210900001	1	210900001	210901000	1000	1	7.30E-06	1.3459328	8	0.8		
DMR1:212810001	1	212810001	212811000	1000	1	1.58E-06	1.7037545	4	0.4	Olr292	
DMR1:214316001	1	214316001	214317000	1000	1	7.24E-06	1.9391043	8	0.8	Deaf1;Tmem80	Transcription;Unknown
DMR1:216645001	1	216645001	216647000	2000	1	3.83E-06	1.6516301	16	0.8		
DMR1:217766001	1	217766001	217767000	1000	1	5.13E-06	1.6105533	11	1.1	Ano1	Unknown
DMR1:218043001	1	218043001	218044000	1000	1	9.17E-08	1.7394335	10	1		
DMR1:218894001	1	218894001	218895000	1000	1	9.23E-06	1.4196026	6	0.6	Lrp5	Receptor
DMR1:220100001	1	220100001	220101000	1000	1	1.28E-06	1.59233	6	0.6	Ccs;Ccdc87;RF00003	Protein Binding
DMR1:220729001	1	220729001	220730000	1000	1	7.07E-06	1.2884401	19	1.9	Catsper1;Cst6	Transport;Signaling
DMR1:221581001	1	221581001	221582000	1000	1	7.27E-06	1.8378748	6	0.6	Majin	
DMR1:222943001	1	222943001	222944000	1000	1	9.99E-06	1.3982516	3	0.3	Hrasls5	
DMR1:222968001	1	222968001	222969000	1000	1	3.93E-11	2.2399945	1	0.1	AABR07006120.1	
DMR1:225727001	1	225727001	225730000	3000	1	5.95E-06	1.4685495	17	0.567		
DMR1:226451001	1	226451001	226454000	3000	1	7.60E-06	1.4443662	24	0.8	Syt7	
DMR1:229209001	1	229209001	229210000	1000	1	2.04E-06	1.607212	6	0.6	AABR07006333.1	
DMR1:234163001	1	234163001	234166000	3000	1	2.45E-06	1.6108751	15	0.5		
DMR1:237081001	1	237081001	237082000	1000	1	7.02E-06	1.5437159	7	0.7		
DMR1:240291001	1	240291001	240292000	1000	1	9.49E-06	1.5304846	3	0.3		
DMR1:240520001	1	240520001	240522000	2000	1	2.51E-06	2.2878606	11	0.55	Trpm3	Receptor
DMR1:242319001	1	242319001	242320000	1000	1	5.53E-07	1.5968024	5	0.5	Pip5k1b	Signaling
DMR1:246321001	1	246321001	246323000	2000	1	2.77E-06	1.5773641	11	0.55		
DMR1:247459001	1	247459001	247460000	1000	1	8.64E-07	1.9340402	2	0.2	Jak2	Signaling
DMR1:247943001	1	247943001	247944000	1000	1	2.98E-06	1.7723746	1	0.1	RGD1311595	
DMR1:250280001	1	250280001	250281000	1000	1	2.59E-06	1.4461017	12	1.2		
DMR1:250386001	1	250386001	250387000	1000	1	5.79E-06	1.9766552	2	0.2		
DMR1:250896001	1	250896001	250898000	2000	1	8.57E-09	1.7918707	21	1.05	Sgms1	Metabolism
DMR1:253165001	1	253165001	253167000	2000	1	5.60E-06	1.4687333	17	0.85	Pank1	Signaling
DMR1:253358001	1	253358001	253360000	2000	1	7.32E-06	1.5297121	10	0.5		
DMR1:254622001	1	254622001	254623000	1000	1	7.23E-09	2.2029148	3	0.3	LOC103694905	
DMR1:257168001	1	257168001	257169000	1000	1	4.15E-06	1.6886919	3	0.3	Plce1	Signaling
DMR1:257279001	1	257279001	257280000	1000	1	8.55E-06	1.3018018	11	1.1	Plce1	Signaling
DMR1:257364001	1	257364001	257366000	2000	1	4.11E-06	1.5276398	16	0.8	Plce1	Signaling
DMR1:259069001	1	259069001	259070000	1000	1	1.50E-06	1.5584545	9	0.9	Aldh18a1	Signaling
DMR1:259344001	1	259344001	259346000	2000	1	1.60E-06	2.1719257	12	0.6	Pdlim1	Transcription
DMR1:259766001	1	259766001	259767000	1000	1	5.55E-06	1.4231957	6	0.6	Entpd1	Metabolism
DMR1:260266001	1	260266001	260268000	2000	1	5.96E-06	1.5978491	18	0.9		
DMR1:260613001	1	260613001	260614000	1000	1	6.88E-06	2.0191259	5	0.5	Pik3ap1	
DMR1:262799001	1	262799001	262800000	1000	1	1.38E-06	2.291904	4	0.4		
DMR1:264695001	1	264695001	264697000	2000	1	5.21E-06	1.45065	16	0.8	Slf2;RF00026;AC121209.1	
DMR1:265757001	1	265757001	265758000	1000	1	2.44E-06	1.7402765	33	3.3	Armh3;Hps6	Development
DMR1:267330001	1	267330001	267333000	3000	1	2.40E-06	1.6364711	19	0.633		
DMR1:268844001	1	268844001	268845000	1000	1	9.51E-07	1.8048452	3	0.3		

DMR1:269466001	1	269466001	269467000	1000	1	9.13E-06	1.741959	5	0.5		
DMR1:269545001	1	269545001	269546000	1000	1	6.67E-08	1.7792602	4	0.4		
DMR1:270515001	1	270515001	270516000	1000	1	4.84E-07	2.2626572	3	0.3		
DMR1:270643001	1	270643001	270644000	1000	1	5.80E-06	1.1723878	6	0.6	RF00001	
DMR1:271828001	1	271828001	271829000	1000	1	2.42E-06	1.395626	14	1.4		
DMR1:274362001	1	274362001	274364000	2000	1	6.82E-06	1.63641	21	1.05	Smc3	Transcription
DMR1:274409001	1	274409001	274410000	1000	1	7.10E-07	2.1994598	1	0.1	Rbm20	
DMR1:280569001	1	280569001	280570000	1000	1	3.82E-09	2.0806061	11	1.1		
DMR1:280829001	1	280829001	280832000	3000	1	6.47E-11	2.4656072	16	0.533		
DMR2:5970001	2	5970001	5971000	1000	1	7.46E-06	1.4299751	5	0.5		
DMR2:6172001	2	6172001	6173000	1000	1	4.42E-06	1.5794619	10	1		
DMR2:11833001	2	11833001	11834000	1000	1	9.98E-06	1.6429786	3	0.3		
DMR2:12022001	2	12022001	12023000	1000	1	1.31E-06	2.2374564	7	0.7		
DMR2:13222001	2	13222001	13224000	2000	1	5.04E-06	1.74332	13	0.65		
DMR2:16024001	2	16024001	16025000	1000	1	2.17E-06	1.687437	4	0.4		
DMR2:18673001	2	18673001	18674000	1000	1	9.54E-06	1.7712929	4	0.4	Xrcc4	
DMR2:25916001	2	25916001	25917000	1000	1	5.39E-06	-1.9850921	10	1	Arhgef28	Signaling
DMR2:32237001	2	32237001	32239000	2000	1	3.70E-06	2.036854	18	0.9		
DMR2:32677001	2	32677001	32678000	1000	1	4.95E-06	-1.7410172	36	3.6		
DMR2:34148001	2	34148001	34149000	1000	1	6.26E-07	1.7744168	10	1	Nln	Protease
DMR2:36722001	2	36722001	36724000	2000	1	1.46E-06	1.6698473	11	0.55		
DMR2:38472001	2	38472001	38473000	1000	1	5.34E-07	1.4562006	6	0.6		
DMR2:41163001	2	41163001	41164000	1000	1	8.35E-06	1.7356119	8	0.8	Pde4d	Metabolism
DMR2:43903001	2	43903001	43904000	1000	1	2.18E-06	1.878127	5	0.5		
DMR2:45301001	2	45301001	45302000	1000	1	5.20E-06	1.4334862	13	1.3		
DMR2:47803001	2	47803001	47804000	1000	1	2.79E-06	1.5924433	5	0.5		
DMR2:48424001	2	48424001	48426000	2000	2	4.72E-06	2.338714	12	0.6	RF00026	
DMR2:50125001	2	50125001	50126000	1000	1	2.51E-06	1.7117613	6	0.6	Hcn1	Signaling
DMR2:54806001	2	54806001	54809000	3000	1	9.29E-06	2.1200507	17	0.567	Card6	Apoptosis
DMR2:55464001	2	55464001	55465000	1000	1	4.86E-06	1.4019652	5	0.5		
DMR2:56685001	2	56685001	56686000	1000	1	4.06E-06	2.056809	5	0.5	Egflam	
DMR2:57161001	2	57161001	57162000	1000	1	2.49E-06	1.6245451	11	1.1	Wdr70	Unknown
DMR2:61849001	2	61849001	61851000	2000	1	4.31E-06	1.6490843	10	0.5		
DMR2:62097001	2	62097001	62101000	4000	1	5.21E-06	1.691034	33	0.825	RF00026	
DMR2:63591001	2	63591001	63592000	1000	1	1.55E-08	1.9357853	5	0.5		
DMR2:63942001	2	63942001	63943000	1000	1	4.18E-06	1.5963973	5	0.5		
DMR2:67114001	2	67114001	67115000	1000	1	8.65E-06	1.0763553	5	0.5		
DMR2:71316001	2	71316001	71317000	1000	1	3.87E-06	2.1953003	2	0.2		
DMR2:77738001	2	77738001	77739000	1000	1	2.26E-06	1.582556	6	0.6		
DMR2:79160001	2	79160001	79162000	2000	1	2.50E-06	2.0086179	17	0.85		
DMR2:86212001	2	86212001	86214000	2000	1	8.61E-06	1.8094001	19	0.95		
DMR2:86571001	2	86571001	86572000	1000	1	2.25E-06	1.5682384	3	0.3		
DMR2:89304001	2	89304001	89305000	1000	1	2.43E-06	1.5826152	7	0.7	Raly1	Transcription
DMR2:89415001	2	89415001	89416000	1000	1	7.96E-06	1.8336716	8	0.8		
DMR2:91754001	2	91754001	91755000	1000	1	8.08E-06	1.1984239	5	0.5		
DMR2:93553001	2	93553001	93554000	1000	1	1.19E-07	1.7110764	0	0		
DMR2:96628001	2	96628001	96630000	2000	1	1.73E-06	1.4979032	12	0.6	Pkia	Proteolysis
DMR2:96810001	2	96810001	96811000	1000	1	7.56E-06	1.7161181	7	0.7		
DMR2:97090001	2	97090001	97091000	1000	1	2.85E-06	1.6756661	10	1	RF00410	
DMR2:99121001	2	99121001	99122000	1000	1	1.94E-06	1.6936657	13	1.3		
DMR2:99681001	2	99681001	99682000	1000	1	1.39E-07	1.6725655	3	0.3		
DMR2:105463001	2	105463001	105465000	2000	1	2.82E-06	1.9359886	10	0.5		
DMR2:106291001	2	106291001	106292000	1000	1	2.17E-06	1.1878262	4	0.4		
DMR2:108623001	2	108623001	108624000	1000	1	7.74E-06	1.9546826	7	0.7		
DMR2:110351001	2	110351001	110352000	1000	1	5.83E-07	1.7676255	4	0.4	RF00100	
DMR2:111004001	2	111004001	111005000	1000	1	5.25E-06	2.0103472	3	0.3		
DMR2:112911001	2	112911001	112914000	3000	1	4.13E-06	1.9645461	41	1.367	Nceh1	Metabolism
DMR2:113804001	2	113804001	113805000	1000	1	8.03E-06	2.0819951	1	0.1	Pld1	Metabolism
DMR2:121321001	2	121321001	121323000	2000	1	2.00E-06	1.6174098	18	0.9		
DMR2:121488001	2	121488001	121489000	1000	1	5.31E-07	1.7209422	3	0.3		
DMR2:121565001	2	121565001	121566000	1000	1	1.32E-06	1.7012032	5	0.5	AABR07010033.2	

DMR2:121675001	2	121675001	121676000	1000	1	2.43E-06	2.0222769	6	0.6		
DMR2:122644001	2	122644001	122645000	1000	1	2.33E-06	2.4276971	4	0.4	Dcun1d1;Mccc1	Proteolysis;Metabolism
DMR2:124452001	2	124452001	124453000	1000	1	5.52E-06	1.8054929	15	1.5		
DMR2:124693001	2	124693001	124694000	1000	1	3.03E-06	1.6432522	6	0.6	AABR07010121.1	
DMR2:125872001	2	125872001	125873000	1000	1	8.12E-06	1.9350315	6	0.6	Fat4	Transcription
DMR2:126357001	2	126357001	126358000	1000	1	1.11E-06	2.1267818	3	0.3		
DMR2:126845001	2	126845001	126846000	1000	1	2.28E-06	1.5952976	2	0.2		
DMR2:127033001	2	127033001	127034000	1000	1	2.33E-06	1.5432611	3	0.3		
DMR2:128268001	2	128268001	128269000	1000	1	4.47E-06	1.9456965	10	1		
DMR2:132337001	2	132337001	132338000	1000	1	2.50E-07	1.9410219	3	0.3	AABR07010330.1;AABR07010330.2	
DMR2:134337001	2	134337001	134338000	1000	1	8.25E-06	1.2674832	7	0.7		
DMR2:138081001	2	138081001	138082000	1000	1	5.20E-06	1.6490816	2	0.2		
DMR2:141657001	2	141657001	141658000	1000	1	4.47E-06	1.4402705	8	0.8		
DMR2:142591001	2	142591001	142593000	2000	1	6.87E-06	1.8163733	26	1.3		
DMR2:146828001	2	146828001	146829000	1000	1	1.54E-07	2.0378846	2	0.2		
DMR2:147026001	2	147026001	147027000	1000	1	8.12E-06	1.3567344	5	0.5		
DMR2:147190001	2	147190001	147192000	2000	2	1.66E-07	1.8755777	6	0.3		
DMR2:148809001	2	148809001	148811000	2000	1	5.47E-06	2.0182792	15	0.75	AC112531.1;AC112531.2;Erich6	
DMR2:148818001	2	148818001	148819000	1000	1	8.59E-06	1.3911133	14	1.4	AC112531.2;Erich6	
DMR2:150001001	2	150001001	150002000	1000	1	1.51E-06	1.6879122	1	0.1		
DMR2:154236001	2	154236001	154237000	1000	1	7.15E-06	2.3572719	1	0.1		
DMR2:154263001	2	154263001	154264000	1000	1	9.33E-06	1.2065844	9	0.9	Plch1	Metabolism
DMR2:157961001	2	157961001	157962000	1000	1	1.86E-06	2.2346784	4	0.4	Veph1	Unknown
DMR2:158240001	2	158240001	158242000	2000	1	5.26E-06	1.3144782	16	0.8		
DMR2:160096001	2	160096001	160098000	2000	1	7.95E-07	1.9376858	19	0.95		
DMR2:163925001	2	163925001	163926000	1000	1	7.49E-07	1.3781745	6	0.6		
DMR2:164117001	2	164117001	164118000	1000	1	3.66E-06	1.7628784	19	1.9	Shox2	Transcription
DMR2:173655001	2	173655001	173656000	1000	1	1.57E-07	1.7074253	6	0.6	Serpini2	Signaling
DMR2:174785001	2	174785001	174786000	1000	1	3.12E-06	1.629686	8	0.8	Fstl5	Hormone
DMR2:174981001	2	174981001	174983000	2000	1	9.30E-06	1.6566409	5	0.25	Fstl5	Hormone
DMR2:178689001	2	178689001	178690000	1000	1	1.39E-07	2.1022854	4	0.4	Fam198b	Unknown
DMR2:179262001	2	179262001	179264000	2000	1	6.83E-06	1.4052768	8	0.4		
DMR2:179814001	2	179814001	179815000	1000	1	2.24E-08	1.8130959	6	0.6	Glr3	Receptor
DMR2:180270001	2	180270001	180272000	2000	1	1.52E-06	2.2607182	10	0.5		
DMR2:181280001	2	181280001	181281000	1000	1	9.79E-08	1.7925109	3	0.3		
DMR2:182003001	2	182003001	182005000	2000	1	5.71E-06	1.5356216	10	0.5	Fgg;Fga	Cytoskeleton;Signaling
DMR2:182581001	2	182581001	182583000	2000	1	5.87E-06	1.940904	23	1.15	RF00100	
DMR2:184581001	2	184581001	184583000	2000	1	2.22E-07	1.7120771	15	0.75		
DMR2:186496001	2	186496001	186498000	2000	1	1.38E-06	1.5422878	19	0.95	Kirrel1	
DMR2:187365001	2	187365001	187366000	1000	1	5.64E-07	1.7758747	27	2.7	Bcan	Extracellular Matrix
DMR2:187503001	2	187503001	187505000	2000	1	1.04E-07	1.7066978	6	0.3	Mef2d	Transcription
DMR2:188422001	2	188422001	188426000	4000	1	8.47E-07	1.7485333	31	0.775	Fdps	Metabolism
DMR2:192405001	2	192405001	192406000	1000	1	6.94E-08	1.8604308	2	0.2		
DMR2:192750001	2	192750001	192751000	1000	1	1.06E-06	1.8555526	0	0		
DMR2:199005001	2	199005001	199006000	1000	1	2.31E-06	1.3705007	13	1.3	Pdzk1;Gpr89b	Signaling
DMR2:203199001	2	203199001	203200000	1000	1	5.35E-06	1.8856382	3	0.3	Vtcn1	
DMR2:205453001	2	205453001	205454000	1000	1	1.35E-06	1.9416535	4	0.4	Nr1h5;RF00003	
DMR2:205822001	2	205822001	205823000	1000	1	5.75E-06	1.6976159	4	0.4	Trim33	Transcription
DMR2:205912001	2	205912001	205913000	1000	1	5.20E-06	1.50308	11	1.1		
DMR2:207049001	2	207049001	207052000	3000	1	9.95E-06	1.3204177	33	1.1		
DMR2:209892001	2	209892001	209894000	2000	1	7.72E-06	1.4053235	17	0.85		
DMR2:209996001	2	209996001	209997000	1000	1	3.74E-06	1.4771407	4	0.4	Prok1;AC113635.1	Signaling
DMR2:212156001	2	212156001	212157000	1000	1	2.29E-07	1.9368584	3	0.3		
DMR2:212546001	2	212546001	212547000	1000	1	1.14E-06	1.5334941	10	1	Vav3	Signaling
DMR2:213983001	2	213983001	213984000	1000	1	5.91E-06	2.1980284	3	0.3		
DMR2:214984001	2	214984001	214985000	1000	1	9.25E-06	1.4722637	3	0.3		
DMR2:215843001	2	215843001	215844000	1000	1	5.35E-06	1.3512007	5	0.5		
DMR2:216357001	2	216357001	216359000	2000	1	5.24E-06	1.2050884	5	0.25	Amy2a3	Metabolism
DMR2:216848001	2	216848001	216849000	1000	1	7.51E-06	1.3030746	5	0.5		

DMR2:217707001	2	217707001	217710000	3000	1	3.29E-06	1.9386531	13	0.433	RF00560	
DMR2:223623001	2	223623001	223624000	1000	1	9.30E-08	2.0896645	2	0.2		
DMR2:225567001	2	225567001	225569000	2000	1	6.90E-07	1.890072	12	0.6	Arhgap29	
DMR2:230596001	2	230596001	230597000	1000	1	2.14E-06	1.8602358	6	0.6		
DMR2:232832001	2	232832001	232834000	2000	1	3.76E-07	1.5887192	11	0.55		
DMR2:234448001	2	234448001	234449000	1000	1	7.00E-06	1.3056449	6	0.6	Elovl6	Metabolism
DMR2:235169001	2	235169001	235170000	1000	1	6.27E-07	1.5708109	14	1.4	LOC108348190	
DMR2:237878001	2	237878001	237879000	1000	1	5.95E-06	-1.4503874	17	1.7	Tbck;RF00560	Unknown
DMR2:244241001	2	244241001	244242000	1000	1	1.96E-06	-1.3387586	8	0.8		
DMR2:248077001	2	248077001	248080000	3000	1	5.45E-06	1.6328343	22	0.733	AABR07013639.1	
DMR2:250793001	2	250793001	250796000	3000	1	7.11E-06	1.6196694	40	1.333	Clca4l	Transport
DMR2:252219001	2	252219001	252220000	1000	1	8.65E-08	1.5350907	10	1		
DMR2:253121001	2	253121001	253123000	2000	1	5.91E-06	1.7828077	28	1.4		
DMR2:254614001	2	254614001	254615000	1000	1	8.03E-06	1.5390683	14	1.4		
DMR2:255620001	2	255620001	255622000	2000	1	4.53E-06	1.7226383	11	0.55		
DMR2:261170001	2	261170001	261171000	1000	1	6.12E-06	1.5221269	7	0.7	Tnni3k	Transcription
DMR2:261988001	2	261988001	261989000	1000	1	9.25E-06	1.8913698	4	0.4		
DMR2:262405001	2	262405001	262406000	1000	1	1.76E-06	1.6639937	1	0.1		
DMR2:262716001	2	262716001	262717000	1000	1	4.99E-06	1.7790762	9	0.9		
DMR2:263714001	2	263714001	263715000	1000	1	3.43E-06	1.6639249	5	0.5		
DMR2:264260001	2	264260001	264261000	1000	1	8.04E-06	1.7219441	6	0.6	Cth	Metabolism
DMR3:1602001	3	1602001	1603000	1000	1	5.58E-06	1.5965366	4	0.4		
DMR3:4683001	3	4683001	4684000	1000	1	3.75E-06	2.0724418	17	1.7		
DMR3:9570001	3	9570001	9571000	1000	1	8.91E-06	2.0965139	21	2.1		
DMR3:11138001	3	11138001	11140000	2000	1	3.10E-06	1.6911948	16	0.8	Plpp7	
DMR3:11345001	3	11345001	11347000	2000	1	5.13E-07	2.0135179	26	1.3	Golga2;Dnm1;Mir199b	Transport;Cytoskeleton
DMR3:15716001	3	15716001	15719000	3000	1	5.11E-06	-1.3811989	38	1.267		
DMR3:19733001	3	19733001	19734000	1000	1	4.42E-07	2.1840313	0	0		
DMR3:22097001	3	22097001	22098000	1000	1	1.49E-06	1.88764	6	0.6	Dennd1a	Signaling
DMR3:22733001	3	22733001	22734000	1000	1	6.48E-06	1.7148921	5	0.5		
DMR3:24674001	3	24674001	24676000	2000	1	3.93E-06	1.822641	3	0.15		
DMR3:26763001	3	26763001	26764000	1000	1	2.84E-06	-1.7530679	4	0.4		
DMR3:28487001	3	28487001	28488000	1000	1	5.88E-06	1.3874789	7	0.7	Kynu	Metabolism
DMR3:31274001	3	31274001	31275000	1000	1	9.17E-06	2.0931552	4	0.4		
DMR3:33429001	3	33429001	33430000	1000	1	9.33E-06	1.5988302	3	0.3		
DMR3:36508001	3	36508001	36509000	1000	1	1.74E-06	1.4943193	5	0.5		
DMR3:37978001	3	37978001	37981000	3000	1	9.91E-06	1.6306083	38	1.267	Cacnb4	Transport
DMR3:38823001	3	38823001	38824000	1000	1	2.96E-06	1.6778628	9	0.9	RF00026	
DMR3:39556001	3	39556001	39557000	1000	1	8.34E-07	1.3986292	5	0.5		
DMR3:39862001	3	39862001	39863000	1000	1	7.99E-06	1.4421666	3	0.3		
DMR3:40518001	3	40518001	40519000	1000	1	1.70E-06	1.6704831	3	0.3	Galnt13	
DMR3:40780001	3	40780001	40781000	1000	1	3.39E-06	1.5469677	6	0.6		
DMR3:41177001	3	41177001	41178000	1000	1	3.87E-08	1.7335447	4	0.4	Kcnj3	Transport
DMR3:41518001	3	41518001	41519000	1000	1	7.81E-06	1.4772002	5	0.5		
DMR3:43611001	3	43611001	43612000	1000	1	3.27E-08	2.0527394	12	1.2		
DMR3:44096001	3	44096001	44097000	1000	1	4.45E-06	1.974212	5	0.5	Ermn	Cytoskeleton
DMR3:44362001	3	44362001	44363000	1000	1	1.78E-06	1.65857	5	0.5		
DMR3:46994001	3	46994001	46995000	1000	1	5.43E-06	1.8377119	8	0.8	Rbms1	Transcription
DMR3:49905001	3	49905001	49906000	1000	1	8.54E-07	1.6992526	8	0.8		
DMR3:52205001	3	52205001	52206000	1000	1	6.49E-06	1.36833	12	1.2	Galnt3	Metabolism
DMR3:52706001	3	52706001	52707000	1000	1	9.99E-06	1.7160168	10	1	RF00100	
DMR3:55214001	3	55214001	55215000	1000	1	6.82E-06	1.4297068	11	1.1	Cers6	
DMR3:56138001	3	56138001	56139000	1000	1	5.70E-06	1.525365	3	0.3	Ubr3	Metabolism
DMR3:57980001	3	57980001	57981000	1000	1	4.84E-06	1.6897003	7	0.7		
DMR3:62898001	3	62898001	62899000	1000	1	2.61E-06	1.8568859	10	1	Pde11a	Signaling
DMR3:63682001	3	63682001	63684000	2000	1	1.75E-06	-1.2680792	41	2.05		
DMR3:69073001	3	69073001	69074000	1000	1	1.95E-07	1.872275	4	0.4		
DMR3:70145001	3	70145001	70146000	1000	1	2.60E-06	1.2959235	6	0.6		
DMR3:72052001	3	72052001	72053000	1000	1	8.26E-10	2.3687471	24	2.4	Ctnnd1	Extracellular Matrix
DMR3:72608001	3	72608001	72610000	2000	1	6.41E-06	1.8283483	9	0.45	Lrrc55	Unknown
DMR3:77536001	3	77536001	77537000	1000	1	3.46E-06	1.3418123	2	0.2		

DMR3:79170001	3	79170001	79171000	1000	1	3.13E-06	-1.9291731	2	0.2	Olr744	
DMR3:79399001	3	79399001	79400000	1000	1	8.32E-07	-1.7117111	9	0.9	Ptprj	Receptor
DMR3:81199001	3	81199001	81200000	1000	1	2.52E-06	2.0336833	2	0.2	Phf21a	Metabolism
DMR3:88250001	3	88250001	88251000	1000	1	1.66E-07	2.0743388	5	0.5		
DMR3:90465001	3	90465001	90466000	1000	1	1.91E-06	1.6068825	3	0.3		
DMR3:91449001	3	91449001	91450000	1000	1	7.70E-06	1.5386348	4	0.4		
DMR3:91780001	3	91780001	91781000	1000	1	2.70E-09	2.1714221	19	1.9	Ldlrad3	Receptor
DMR3:91871001	3	91871001	91873000	2000	1	5.81E-07	1.6633377	21	1.05	Rpl21	Transcription
DMR3:97674001	3	97674001	97676000	2000	1	2.45E-06	1.660607	32	1.6		
DMR3:98330001	3	98330001	98333000	3000	1	1.86E-06	2.419102	11	0.367		
DMR3:104138001	3	104138001	104140000	2000	1	4.29E-06	1.348558	16	0.8	Ryr3	Receptor
DMR3:106212001	3	106212001	106213000	1000	1	8.13E-06	1.5026516	8	0.8		
DMR3:106508001	3	106508001	106510000	2000	1	5.78E-07	1.9428043	17	0.85		
DMR3:107230001	3	107230001	107231000	1000	1	2.92E-07	-1.5644421	17	1.7	RGD1563680	EST
DMR3:110296001	3	110296001	110297000	1000	1	4.12E-09	2.5374859	10	1	Bmf	Apoptosis
DMR3:111070001	3	111070001	111071000	1000	1	3.70E-06	1.4554139	3	0.3	Spint1;RF00026;Rhov	Proteolysis;Signaling
DMR3:113779001	3	113779001	113781000	2000	1	3.20E-06	1.7702006	20	1		
DMR3:114637001	3	114637001	114638000	1000	1	3.27E-07	2.0056257	6	0.6	Slc28a2	Metabolism
DMR3:116385001	3	116385001	116386000	1000	1	7.68E-06	1.598429	4	0.4		
DMR3:119286001	3	119286001	119288000	2000	1	2.86E-06	1.9155353	9	0.45	Trpm7	Development
DMR3:121987001	3	121987001	121989000	2000	1	6.03E-07	1.6282957	8	0.4	Sirpb3	
DMR3:122038001	3	122038001	122039000	1000	1	2.31E-06	1.3966904	26	2.6	Sirpb3	
DMR3:123363001	3	123363001	123365000	2000	1	5.81E-06	1.7918483	17	0.85	RGD1565616	EST
DMR3:123692001	3	123692001	123693000	1000	1	2.85E-08	1.8654299	5	0.5	Hspa12b;RGD1311739	Signaling
DMR3:124601001	3	124601001	124602000	1000	1	7.14E-06	1.4606995	13	1.3	Rassf2	Signaling
DMR3:129073001	3	129073001	129075000	2000	1	1.54E-06	2.2060678	6	0.3	Pak7	Cell Cycle
DMR3:130626001	3	130626001	130628000	2000	1	5.62E-07	1.7338616	14	0.7		
DMR3:131462001	3	131462001	131464000	2000	1	1.71E-06	1.640499	7	0.35		
DMR3:132802001	3	132802001	132803000	1000	1	9.14E-06	1.4884478	8	0.8		
DMR3:136071001	3	136071001	136072000	1000	1	8.89E-06	-1.4715659	12	1.2		
DMR3:136661001	3	136661001	136662000	1000	1	9.71E-07	1.3598126	9	0.9	Kif16b	Cytoskeleton
DMR3:138252001	3	138252001	138255000	3000	1	8.65E-06	1.7123327	33	1.1		
DMR3:139107001	3	139107001	139108000	1000	1	6.60E-06	1.4528356	3	0.3		
DMR3:139230001	3	139230001	139232000	2000	1	4.46E-06	1.4665902	40	2		
DMR3:141908001	3	141908001	141909000	1000	1	8.59E-06	1.5385659	14	1.4		
DMR3:143307001	3	143307001	143308000	1000	1	4.60E-06	1.4613288	3	0.3		
DMR3:147653001	3	147653001	147657000	4000	1	8.83E-07	2.2091192	58	1.45	Tcf15	Transcription
DMR3:147992001	3	147992001	147994000	2000	1	6.48E-07	1.5650846	27	1.35	Defb26;Defb28	
DMR3:149430001	3	149430001	149431000	1000	1	5.39E-06	1.6351922	7	0.7	Bpifb4	
DMR3:155451001	3	155451001	155452000	1000	1	3.31E-06	1.4040592	2	0.2		
DMR3:157034001	3	157034001	157035000	1000	1	7.20E-06	1.8551817	1	0.1	Chd6	Epigenetic
DMR3:158735001	3	158735001	158737000	2000	1	5.92E-07	2.3424186	6	0.3	RF00560	
DMR3:160190001	3	160190001	160191000	1000	1	1.98E-06	1.4101888	6	0.6		
DMR3:162216001	3	162216001	162217000	1000	1	5.76E-06	2.1595502	5	0.5		
DMR3:162589001	3	162589001	162592000	3000	1	1.14E-06	2.1888791	56	1.867	Zmynd8	Signaling
DMR3:163031001	3	163031001	163033000	2000	1	1.29E-06	1.9630637	35	1.75		
DMR3:164744001	3	164744001	164746000	2000	1	7.14E-06	1.5239726	19	0.95		
DMR3:165109001	3	165109001	165111000	2000	1	6.03E-06	2.1535518	29	1.45		
DMR3:165297001	3	165297001	165298000	1000	1	7.06E-06	1.6028365	16	1.6	Nfatc2	Transcription
DMR3:165972001	3	165972001	165973000	1000	1	3.04E-06	1.6484873	10	1	LOC108350528	
DMR3:165989001	3	165989001	165991000	2000	1	4.34E-07	1.9894659	48	2.4	LOC108350528	
DMR3:167393001	3	167393001	167394000	1000	1	5.34E-06	1.6784586	6	0.6		
DMR3:168329001	3	168329001	168333000	4000	1	1.25E-07	2.0546546	58	1.45		
DMR3:169500001	3	169500001	169502000	2000	1	4.63E-06	1.5056818	33	1.65		
DMR3:169826001	3	169826001	169827000	1000	1	2.68E-07	1.5132518	10	1		
DMR3:171139001	3	171139001	171141000	2000	1	1.43E-07	2.0278861	40	2	Uchl3;Ctcf1	Protease;Transcription
DMR3:174138001	3	174138001	174139000	1000	1	9.30E-07	1.8468761	7	0.7		
DMR3:174703001	3	174703001	174704000	1000	1	3.98E-06	1.4505796	9	0.9		
DMR3:176847001	3	176847001	176848000	1000	1	6.88E-06	1.8265679	3	0.3	Rtel1	Cell Cycle
DMR4:3047001	4	3047001	3049000	2000	1	6.88E-08	2.1946474	13	0.65	Il6	Signaling
DMR4:3962001	4	3962001	3963000	1000	1	1.96E-06	1.6800983	10	1	Paxip1	

DMR4:4713001	4	4713001	4715000	2000	1	7.94E-06	1.7334155	14	0.7		
DMR4:4908001	4	4908001	4910000	2000	1	6.18E-06	1.703348	13	0.65		
DMR4:5459001	4	5459001	5460000	1000	1	5.26E-06	1.7175039	7	0.7		
DMR4:6108001	4	6108001	6109000	1000	1	7.39E-06	1.4233726	15	1.5	AABR07059168.2	
DMR4:7607001	4	7607001	7609000	2000	1	6.92E-06	1.1965193	24	1.2		
DMR4:10168001	4	10168001	10170000	2000	1	5.41E-06	1.6951994	25	1.25	Fbxl13;RF00594	
DMR4:11057001	4	11057001	11060000	3000	1	1.42E-06	1.6972819	48	1.6	Magi2	Metabolism
DMR4:15345001	4	15345001	15347000	2000	1	1.20E-06	1.7286579	10	0.5		
DMR4:15548001	4	15548001	15549000	1000	1	1.35E-06	1.8018455	2	0.2		
DMR4:18131001	4	18131001	18133000	2000	1	3.36E-06	1.4787591	17	0.85		
DMR4:20227001	4	20227001	20229000	2000	1	2.29E-07	1.6013377	8	0.4		
DMR4:26449001	4	26449001	26450000	1000	1	5.77E-06	2.0361568	3	0.3		
DMR4:28232001	4	28232001	28233000	1000	1	3.33E-06	1.4979106	2	0.2	AABR07059632.3	
DMR4:30395001	4	30395001	30397000	2000	1	9.06E-08	1.7805405	15	0.75	Asb4	Protein Binding
DMR4:31516001	4	31516001	31518000	2000	1	2.98E-06	2.0414031	15	0.75		
DMR4:32510001	4	32510001	32511000	1000	1	4.47E-06	1.7524015	7	0.7	Sdhaf3	
DMR4:41444001	4	41444001	41445000	1000	1	6.40E-08	1.8848269	1	0.1	Foxp2	Transcription
DMR4:42103001	4	42103001	42105000	2000	1	4.18E-06	1.8422142	8	0.4		
DMR4:42982001	4	42982001	42986000	4000	1	7.54E-06	1.4102611	20	0.5	Cttnbp2	Receptor
DMR4:43988001	4	43988001	43989000	1000	1	9.52E-06	1.403662	1	0.1		
DMR4:45815001	4	45815001	45816000	1000	1	9.16E-06	1.5049874	7	0.7		
DMR4:45846001	4	45846001	45847000	1000	1	5.51E-06	1.6078949	3	0.3	LOC685171	
DMR4:48791001	4	48791001	48792000	1000	1	6.74E-06	1.9945251	13	1.3		
DMR4:49205001	4	49205001	49206000	1000	1	3.02E-06	1.8188198	7	0.7	Cped1	
DMR4:50406001	4	50406001	50407000	1000	1	5.32E-06	1.5425366	7	0.7	Cadps2	Metabolism
DMR4:52709001	4	52709001	52711000	2000	1	5.80E-06	2.1762878	10	0.5		
DMR4:54085001	4	54085001	54086000	1000	1	5.99E-07	1.9558888	7	0.7		
DMR4:55358001	4	55358001	55359000	1000	1	4.70E-06	1.5913419	7	0.7	Grm8	Receptor
DMR4:59784001	4	59784001	59785000	1000	1	5.99E-07	1.8422232	5	0.5	Plxna4	Receptor
DMR4:62262001	4	62262001	62263000	1000	1	4.16E-06	1.6941526	7	0.7	Cald1	Metabolism
DMR4:63745001	4	63745001	63746000	1000	1	5.31E-06	1.8195718	1	0.1		
DMR4:64472001	4	64472001	64473000	1000	1	9.40E-06	2.0290362	14	1.4	Dgki	Signaling
DMR4:65523001	4	65523001	65524000	1000	1	2.67E-06	1.7642137	7	0.7		
DMR4:70490001	4	70490001	70491000	1000	1	6.97E-06	1.7777985	2	0.2	AABR07060379.1	
DMR4:70623001	4	70623001	70624000	1000	1	3.20E-07	2.0411868	3	0.3	AC142181.1;Prss3;Try5	Proteolysis
DMR4:71094001	4	71094001	71095000	1000	1	1.60E-06	1.3403351	8	0.8		
DMR4:71162001	4	71162001	71165000	3000	1	1.31E-06	1.9328615	13	0.433	RF00026	
DMR4:72617001	4	72617001	72618000	1000	1	3.91E-06	-1.8055606	3	0.3		
DMR4:73539001	4	73539001	73540000	1000	1	5.37E-06	1.3749073	7	0.7		
DMR4:74457001	4	74457001	74458000	1000	1	7.58E-06	1.4636507	2	0.2		
DMR4:74797001	4	74797001	74799000	2000	1	2.30E-06	2.9495518	10	0.5		
DMR4:78626001	4	78626001	78628000	2000	1	1.18E-06	2.0017152	6	0.3	Doxl2	
DMR4:79710001	4	79710001	79711000	1000	1	3.33E-06	1.6190769	4	0.4		
DMR4:79750001	4	79750001	79751000	1000	1	4.60E-06	1.8517325	7	0.7		
DMR4:80306001	4	80306001	80308000	2000	1	2.36E-06	2.1007251	15	0.75	RF00560;AC113910.1	
DMR4:80668001	4	80668001	80669000	1000	1	1.71E-06	1.7769624	4	0.4	AABR07060560.2	
DMR4:81033001	4	81033001	81034000	1000	1	6.03E-06	1.3454281	7	0.7		
DMR4:82224001	4	82224001	82225000	1000	1	2.81E-06	1.7320766	7	0.7	LOC100909604;Hoxa11;AABR07073021.1;AABR0707302	Transcription
DMR4:84796001	4	84796001	84797000	1000	1	3.58E-07	2.0222081	4	0.4	Plekha8	Signaling
DMR4:85467001	4	85467001	85468000	1000	1	6.03E-06	1.5365524	13	1.3	Mindy4	
DMR4:85705001	4	85705001	85706000	1000	1	6.38E-06	1.3497067	10	1	Adcyap1r1	Signaling
DMR4:88278001	4	88278001	88279000	1000	1	5.10E-06	1.8015473	1	0.1	Vom1r86	Receptor
DMR4:90264001	4	90264001	90267000	3000	2	1.77E-06	1.6066781	16	0.533		
DMR4:96437001	4	96437001	96438000	1000	1	4.23E-06	1.6556278	8	0.8		
DMR4:98408001	4	98408001	98409000	1000	1	5.80E-06	2.304123	6	0.6	AABR07060872.1	
DMR4:100148001	4	100148001	100150000	2000	1	4.02E-06	1.2486158	16	0.8	RF00026	
DMR4:101419001	4	101419001	101420000	1000	1	5.23E-08	1.7128527	4	0.4		
DMR4:104288001	4	104288001	104290000	2000	1	3.37E-07	1.9691323	3	0.15	AABR07061096.1	
DMR4:104788001	4	104788001	104789000	1000	1	1.32E-06	1.6227326	5	0.5		



DMR4:104866001	4	104866001	104867000	1000	1	2.33E-07	2.2712836	6	0.6		
DMR4:106855001	4	106855001	106856000	1000	1	7.25E-06	1.6491898	6	0.6		
DMR4:106979001	4	106979001	106980000	1000	1	4.08E-07	1.9729534	3	0.3	AABR07061152.1	
DMR4:107013001	4	107013001	107014000	1000	1	3.79E-06	1.4124957	9	0.9		
DMR4:107404001	4	107404001	107405000	1000	1	1.92E-06	1.8442462	14	1.4		
DMR4:109342001	4	109342001	109345000	3000	1	2.71E-06	1.9493628	11	0.367		
DMR4:112355001	4	112355001	112356000	1000	1	6.22E-06	1.7470811	2	0.2	AABR07061254.1	
DMR4:112574001	4	112574001	112576000	2000	1	2.27E-07	2.0493457	15	0.75	RF00560	
DMR4:115669001	4	115669001	115670000	1000	1	7.56E-06	1.4729108	4	0.4	Zfp638	Transcription
DMR4:117323001	4	117323001	117324000	1000	1	1.14E-06	1.5466143	14	1.4	RF00001	
DMR4:117708001	4	117708001	117710000	2000	1	5.47E-06	1.9005808	22	1.1		
DMR4:118190001	4	118190001	118191000	1000	1	9.08E-06	1.3742792	5	0.5	Pcyox1	
DMR4:120307001	4	120307001	120308000	1000	1	5.27E-06	1.4340069	8	0.8	Eefsec	Transcription
DMR4:120390001	4	120390001	120391000	1000	1	8.27E-06	1.4362186	51	5.1	Eefsec	Transcription
DMR4:122047001	4	122047001	122049000	2000	1	8.25E-06	2.0207844	5	0.25	AABR07061408.1	
DMR4:122781001	4	122781001	122782000	1000	1	1.42E-06	1.3722459	46	4.6	Hdac11	Transcription
DMR4:123460001	4	123460001	123461000	1000	1	5.97E-06	1.2627304	11	1.1	lqsec1;Slc41a3	Signaling;Transport
DMR4:124121001	4	124121001	124122000	1000	1	6.49E-07	1.5696229	6	0.6	Trh	
DMR4:125080001	4	125080001	125081000	1000	1	1.61E-06	1.6954723	4	0.4		
DMR4:125255001	4	125255001	125256000	1000	1	4.21E-06	1.6049166	3	0.3		
DMR4:128214001	4	128214001	128215000	1000	1	6.73E-06	1.6189219	6	0.6		
DMR4:131846001	4	131846001	131848000	2000	1	1.85E-07	1.4558491	18	0.9		
DMR4:132098001	4	132098001	132099000	1000	1	5.17E-06	1.9234306	8	0.8	Eif4e3	Translation
DMR4:132793001	4	132793001	132795000	2000	1	3.91E-06	1.8117381	20	1		
DMR4:132814001	4	132814001	132816000	2000	1	4.63E-06	1.6565086	10	0.5		
DMR4:132885001	4	132885001	132886000	1000	1	4.64E-06	1.529491	5	0.5		
DMR4:133700001	4	133700001	133702000	2000	1	2.05E-06	1.7993222	12	0.6		
DMR4:135277001	4	135277001	135278000	1000	1	7.70E-07	1.4566232	5	0.5		
DMR4:136952001	4	136952001	136953000	1000	1	6.33E-07	1.7692758	2	0.2		
DMR4:138458001	4	138458001	138459000	1000	1	7.27E-06	1.5023995	4	0.4	Cntn4	Cytoskeleton
DMR4:139341001	4	139341001	139343000	2000	1	2.83E-06	1.4971245	11	0.55		
DMR4:140791001	4	140791001	140792000	1000	1	1.88E-07	1.3593813	17	1.7		
DMR4:141052001	4	141052001	141053000	1000	1	4.73E-06	1.4756289	6	0.6		
DMR4:143714001	4	143714001	143715000	1000	1	3.67E-06	1.8201108	2	0.2		
DMR4:144216001	4	144216001	144217000	1000	1	8.74E-06	1.7215017	4	0.4	Lmcd1	Development
DMR4:145130001	4	145130001	145131000	1000	1	1.75E-06	2.0138673	13	1.3	Lhfp14	Transcription
DMR4:145423001	4	145423001	145425000	2000	1	1.38E-07	2.069648	11	0.55	Il17re;Il17rc	
DMR4:145751001	4	145751001	145752000	1000	1	3.36E-06	1.9794082	5	0.5	Atp2b2	Metabolism
DMR4:146767001	4	146767001	146769000	2000	1	2.33E-06	1.5783671	22	1.1	Atg7	Apoptosis
DMR4:147097001	4	147097001	147099000	2000	1	8.62E-06	1.6944776	7	0.35	Syn2	Cytoskeleton
DMR4:147109001	4	147109001	147110000	1000	1	1.76E-06	1.974621	7	0.7	Syn2	Cytoskeleton
DMR4:148810001	4	148810001	148811000	1000	1	3.47E-06	1.4868265	8	0.8	Rassf4;Tmem72	Signaling;Unknown
DMR4:152239001	4	152239001	152241000	2000	1	8.57E-06	1.1485139	16	0.8	Erc1	Signaling
DMR4:154018001	4	154018001	154019000	1000	1	8.68E-06	1.8941373	7	0.7	lqsec3	Signaling
DMR4:154551001	4	154551001	154552000	1000	1	4.20E-07	1.5191616	5	0.5	LOC297568	
DMR4:157076001	4	157076001	157078000	2000	1	5.44E-06	1.5996889	32	1.6	Clstn3	Extracellular Matrix
DMR4:159260001	4	159260001	159261000	1000	1	9.54E-06	1.3255019	5	0.5	Kcna6	Metabolism
DMR4:159557001	4	159557001	159559000	2000	1	3.55E-06	1.966438	31	1.55	Fgf6	Signaling
DMR4:159609001	4	159609001	159611000	2000	1	7.12E-06	1.4503427	21	1.05		
DMR4:160080001	4	160080001	160081000	1000	1	8.48E-07	-1.6841809	15	1.5		
DMR4:160444001	4	160444001	160446000	2000	1	2.78E-06	1.6524446	30	1.5	Tspan11	Signaling
DMR4:161196001	4	161196001	161198000	2000	1	7.73E-07	2.1966524	25	1.25		
DMR4:161410001	4	161410001	161411000	1000	1	3.68E-06	2.5281684	12	1.2		
DMR4:163348001	4	163348001	163351000	3000	1	6.28E-06	1.8056341	18	0.6	Klr1;Klrd1	Receptor
DMR4:166017001	4	166017001	166018000	1000	1	6.54E-06	1.3452678	2	0.2	Prpmp5	
DMR4:172735001	4	172735001	172737000	2000	1	3.82E-06	1.4181105	11	0.55		
DMR4:174954001	4	174954001	174957000	3000	1	5.64E-06	1.5719906	46	1.533		
DMR4:175526001	4	175526001	175527000	1000	1	3.25E-06	2.0254238	13	1.3	Pde3a	Signaling
DMR4:175643001	4	175643001	175645000	2000	1	4.52E-08	1.7079579	22	1.1	Pde3a	Signaling
DMR4:175814001	4	175814001	175815000	1000	1	1.64E-06	1.4439339	4	0.4	Slco1b2	
DMR4:175980001	4	175980001	175981000	1000	1	2.92E-06	1.73071	1	0.1	Slco1a4;RF00015;RF00100	Transport

DMR4:177975001	4	177975001	177976000	1000	1	1.69E-06	1.4608346	9	0.9		
DMR4:179099001	4	179099001	179101000	2000	1	1.91E-06	1.1420487	28	1.4		
DMR4:179857001	4	179857001	179858000	1000	1	8.61E-06	1.3474035	12	1.2	Lmntd1	
DMR4:179938001	4	179938001	179939000	1000	1	7.51E-06	1.9608055	5	0.5		
DMR4:180047001	4	180047001	180048000	1000	1	3.38E-06	1.5270179	10	1		
DMR4:180159001	4	180159001	180161000	2000	1	9.30E-06	1.7818591	9	0.45	LOC100912509	
DMR4:180290001	4	180290001	180292000	2000	1	5.05E-06	1.6150089	37	1.85	Sspn	Development
DMR4:180729001	4	180729001	180730000	1000	1	8.37E-06	2.0060245	13	1.3	Itpr2	Receptor
DMR4:182985001	4	182985001	182986000	1000	1	7.53E-06	1.7229146	9	0.9		
DMR4:183394001	4	183394001	183395000	1000	1	9.42E-06	1.2915848	13	1.3	Sinhcaf	
DMR4:183581001	4	183581001	183582000	1000	1	1.80E-06	1.9409838	5	0.5		
DMR5:2040001	5	2040001	2042000	2000	1	4.10E-06	1.509051	10	0.5	Tmem70;Eloc	Unknown
DMR5:4003001	5	4003001	4004000	1000	1	8.37E-07	2.0253826	12	1.2		
DMR5:5830001	5	5830001	5832000	2000	1	6.68E-07	1.8515518	25	1.25	RF00026	
DMR5:6194001	5	6194001	6195000	1000	1	2.30E-06	1.6933239	10	1	Sulf1	Metabolism
DMR5:9426001	5	9426001	9427000	1000	1	3.57E-08	1.6705526	7	0.7	Adhfe1;Rrs1	Metabolism;Transcription
DMR5:11429001	5	11429001	11430000	1000	1	9.33E-06	1.9075805	2	0.2		
DMR5:13892001	5	13892001	13893000	1000	1	3.17E-07	1.639355	0	0		
DMR5:14544001	5	14544001	14545000	1000	1	1.28E-06	1.6021812	7	0.7	LOC498453	Transcription
DMR5:16367001	5	16367001	16368000	1000	1	1.47E-07	1.5151363	7	0.7		
DMR5:17398001	5	17398001	17399000	1000	1	1.87E-06	1.3454488	2	0.2	AABR07047050.1	
DMR5:19342001	5	19342001	19343000	1000	1	9.88E-07	1.7150709	5	0.5		
DMR5:23740001	5	23740001	23741000	1000	1	1.48E-06	1.9552082	4	0.4		
DMR5:25948001	5	25948001	25949000	1000	1	1.85E-06	1.2834598	7	0.7		
DMR5:26946001	5	26946001	26947000	1000	1	9.88E-06	1.6298381	12	1.2		
DMR5:27956001	5	27956001	27957000	1000	1	6.87E-07	2.1380833	7	0.7		
DMR5:29666001	5	29666001	29667000	1000	1	7.84E-06	1.4885697	6	0.6	Nbn;Osgin2	Development
DMR5:33567001	5	33567001	33568000	1000	1	7.88E-06	1.087872	2	0.2	Cpne3	Development
DMR5:34129001	5	34129001	34130000	1000	1	5.82E-06	1.5103999	8	0.8		
DMR5:35368001	5	35368001	35370000	2000	1	5.89E-08	2.9104567	8	0.4		
DMR5:36130001	5	36130001	36132000	2000	1	8.09E-06	1.3775007	23	1.15	Faxc	
DMR5:41078001	5	41078001	41079000	1000	1	6.48E-06	1.8078085	4	0.4		
DMR5:42115001	5	42115001	42117000	2000	1	2.53E-06	1.6133602	4	0.2		
DMR5:42224001	5	42224001	42225000	1000	1	4.87E-06	1.6952784	8	0.8		
DMR5:46553001	5	46553001	46555000	2000	1	1.95E-06	1.5399061	10	0.5		
DMR5:48104001	5	48104001	48105000	1000	1	1.62E-06	1.6344443	6	0.6	Ankrd6	
DMR5:48905001	5	48905001	48906000	1000	1	9.29E-06	1.8305957	3	0.3		
DMR5:50407001	5	50407001	50408000	1000	1	5.82E-06	1.9330072	21	2.1		
DMR5:51226001	5	51226001	51227000	1000	1	4.10E-06	1.2570692	12	1.2		
DMR5:52757001	5	52757001	52759000	2000	1	4.83E-06	2.0050933	11	0.55	AABR07047899.1	
DMR5:53056001	5	53056001	53057000	1000	1	6.48E-06	1.7493741	5	0.5		
DMR5:53150001	5	53150001	53151000	1000	1	9.21E-06	1.6347681	2	0.2		
DMR5:55600001	5	55600001	55601000	1000	1	2.86E-06	1.7975411	2	0.2		
DMR5:56360001	5	56360001	56361000	1000	1	5.63E-07	1.5127622	9	0.9		
DMR5:56798001	5	56798001	56799000	1000	1	2.65E-06	1.9462891	51	5.1	Tmem215	
DMR5:58872001	5	58872001	58874000	2000	1	8.42E-06	-1.081185	64	3.2	Rusc2	
DMR5:60385001	5	60385001	60386000	1000	1	6.24E-06	1.5801287	2	0.2	Zcchc7	Transcription
DMR5:64577001	5	64577001	64578000	1000	1	2.77E-06	2.1365348	4	0.4	LOC103690035	
DMR5:65284001	5	65284001	65285000	1000	1	9.01E-06	2.063487	1	0.1		
DMR5:65384001	5	65384001	65385000	1000	1	1.04E-06	1.7986817	3	0.3		
DMR5:67636001	5	67636001	67637000	1000	1	4.01E-07	1.8500668	6	0.6		
DMR5:72904001	5	72904001	72905000	1000	1	7.91E-06	1.5350511	4	0.4	AABR07048321.1	
DMR5:74986001	5	74986001	74987000	1000	1	8.99E-07	1.4190079	11	1.1	Akap2	Signaling
DMR5:79032001	5	79032001	79033000	1000	1	6.02E-06	1.7722394	11	1.1		
DMR5:80116001	5	80116001	80117000	1000	1	8.76E-06	2.1350943	4	0.4		
DMR5:81627001	5	81627001	81628000	1000	1	6.86E-07	1.4543908	3	0.3	Astn2	Unknown
DMR5:82070001	5	82070001	82071000	1000	1	1.21E-06	2.4659948	2	0.2	Astn2	Unknown
DMR5:85637001	5	85637001	85638000	1000	1	1.26E-06	1.6390179	6	0.6		
DMR5:85787001	5	85787001	85788000	1000	1	5.17E-07	1.8225814	2	0.2		
DMR5:90483001	5	90483001	90485000	2000	1	9.47E-07	1.7840084	8	0.4	Rasef	Signaling
DMR5:90816001	5	90816001	90817000	1000	1	5.43E-06	1.5265752	6	0.6	Kdm4c	Epigenetic

DMR5:91337001	5	91337001	91338000	1000	1	9.14E-06	1.3261606	9	0.9		
DMR5:95028001	5	95028001	95030000	2000	1	9.10E-06	1.5778979	7	0.35		
DMR5:98488001	5	98488001	98489000	1000	1	9.72E-06	1.4105602	4	0.4	Lurap1l	
DMR5:99674001	5	99674001	99675000	1000	1	6.25E-06	1.6850156	0	0		
DMR5:102648001	5	102648001	102649000	1000	1	9.87E-06	1.4044341	9	0.9	Bnc2	Development
DMR5:103106001	5	103106001	103107000	1000	1	7.44E-08	2.6573461	4	0.4		
DMR5:103919001	5	103919001	103921000	2000	1	1.26E-07	2.5141828	15	0.75		
DMR5:104120001	5	104120001	104121000	1000	1	9.93E-06	1.7013154	8	0.8		
DMR5:105258001	5	105258001	105259000	1000	1	6.43E-06	1.5377795	12	1.2	Acer2	Metabolism
DMR5:107427001	5	107427001	107428000	1000	1	5.31E-06	1.2373977	9	0.9		
DMR5:107593001	5	107593001	107596000	3000	1	9.77E-06	1.7999576	15	0.5	LOC102551439	
DMR5:109708001	5	109708001	109709000	1000	1	4.52E-06	1.3106486	3	0.3		
DMR5:109731001	5	109731001	109733000	2000	1	3.17E-06	1.7889835	10	0.5		
DMR5:113475001	5	113475001	113476000	1000	1	7.66E-07	1.3947548	11	1.1	Caap1	
DMR5:114463001	5	114463001	114465000	2000	1	1.05E-06	1.4885642	14	0.7	RF00003	
DMR5:114858001	5	114858001	114859000	1000	1	6.39E-06	1.315152	9	0.9	Fggy	Signaling
DMR5:115352001	5	115352001	115353000	1000	1	3.32E-06	1.7097448	2	0.2	RGD1560146	
DMR5:116183001	5	116183001	116184000	1000	1	9.16E-06	1.8860333	3	0.3		
DMR5:118320001	5	118320001	118321000	1000	1	3.44E-06	1.6008642	11	1.1		
DMR5:124810001	5	124810001	124811000	1000	1	3.45E-06	1.3466293	10	1		
DMR5:125542001	5	125542001	125543000	1000	1	5.60E-06	1.5023543	4	0.4		
DMR5:130374001	5	130374001	130375000	1000	1	8.16E-06	1.977944	3	0.3		
DMR5:133567001	5	133567001	133569000	2000	1	2.22E-06	1.8502923	13	0.65		
DMR5:134989001	5	134989001	134990000	1000	1	4.51E-06	1.711133	3	0.3	Lurap1	
DMR5:135831001	5	135831001	135832000	1000	1	9.69E-06	1.4089834	3	0.3	Zswim5;AABR07073141.1	Transcription
DMR5:136925001	5	136925001	136928000	3000	1	3.21E-06	1.6522457	40	1.333	St3gal3	Metabolism
DMR5:137606001	5	137606001	137608000	2000	1	3.61E-06	1.6901	12	0.6	Olr862;Olf1330-ps1	
DMR5:139260001	5	139260001	139262000	2000	1	6.88E-07	1.5621207	25	1.25	AABR07049815.1	
DMR5:143035001	5	143035001	143037000	2000	1	7.50E-07	1.708869	24	1.2	Gnl2	Signaling
DMR5:143094001	5	143094001	143095000	1000	1	5.63E-07	1.6958976	6	0.6	Meaf6	
DMR5:149170001	5	149170001	149173000	3000	1	2.71E-06	1.4500253	38	1.267		
DMR5:149671001	5	149671001	149672000	1000	1	2.56E-06	1.8292533	3	0.3	AABR07050061.1	
DMR5:149708001	5	149708001	149710000	2000	1	2.39E-06	1.8540319	25	1.25	AABR07050061.1	
DMR5:149867001	5	149867001	149868000	1000	1	5.78E-06	1.7713835	16	1.6		
DMR5:151293001	5	151293001	151295000	2000	1	7.93E-06	1.7424211	31	1.55		
DMR5:153054001	5	153054001	153055000	1000	1	3.18E-06	1.5512023	5	0.5		
DMR5:153188001	5	153188001	153189000	1000	1	5.41E-06	1.6348262	5	0.5	Maco1;Rhd	Transport
DMR5:153516001	5	153516001	153517000	1000	1	1.64E-06	1.5107908	9	0.9	Runx3	Transcription
DMR5:154489001	5	154489001	154490000	1000	1	3.37E-07	2.1376097	57	5.7	RF00026;Id3	Transcription
DMR5:156952001	5	156952001	156953000	1000	1	6.77E-06	1.5817079	19	1.9		
DMR5:157041001	5	157041001	157042000	1000	1	9.68E-06	1.9106011	9	0.9	Vwa5b1	Development
DMR5:160319001	5	160319001	160320000	1000	1	4.51E-06	1.1987889	12	1.2	Agmat;Dnajc16	Transcription
DMR5:161309001	5	161309001	161311000	2000	1	7.23E-07	1.6950107	11	0.55		
DMR5:163144001	5	163144001	163145000	1000	1	2.19E-06	2.388928	4	0.4	Tnfrsf1b	Apoptosis
DMR5:164874001	5	164874001	164877000	3000	1	6.88E-06	1.6589933	41	1.367	AC094126.1;Agtrap	Receptor
DMR5:170749001	5	170749001	170750000	1000	1	7.83E-07	1.744499	11	1.1		
DMR5:171084001	5	171084001	171085000	1000	1	9.61E-06	-1.463447	19	1.9		
DMR5:172353001	5	172353001	172355000	2000	1	9.06E-06	1.7288042	39	1.95	Hes5	Transcription
DMR6:2180001	6	2180001	2181000	1000	1	5.15E-06	1.2803347	12	1.2		
DMR6:12581001	6	12581001	12582000	1000	1	1.32E-07	2.0277899	5	0.5		
DMR6:17704001	6	17704001	17705000	1000	1	1.61E-06	1.8661356	3	0.3		
DMR6:19449001	6	19449001	19450000	1000	1	4.52E-06	1.2648267	8	0.8		
DMR6:19739001	6	19739001	19740000	1000	1	3.79E-06	1.7183304	2	0.2		
DMR6:21594001	6	21594001	21596000	2000	1	5.95E-07	1.377166	26	1.3	Ltbp1	Metabolism
DMR6:23650001	6	23650001	23653000	3000	1	5.45E-07	2.6620205	14	0.467		
DMR6:26886001	6	26886001	26888000	2000	1	7.40E-06	1.5840292	7	0.35	Mapre3	Cytoskeleton
DMR6:31423001	6	31423001	31424000	1000	1	4.03E-06	1.8508011	4	0.4		
DMR6:33370001	6	33370001	33371000	1000	1	9.87E-06	1.2083212	9	0.9		
DMR6:33662001	6	33662001	33664000	2000	1	4.58E-06	1.5208397	10	0.5		
DMR6:34225001	6	34225001	34226000	1000	1	5.33E-06	1.986606	5	0.5		
DMR6:34436001	6	34436001	34438000	2000	1	1.32E-07	2.0166595	6	0.3		

DMR6:35030001	6	35030001	35031000	1000	1	4.40E-07	1.9159501	4	0.4		
DMR6:35771001	6	35771001	35772000	1000	1	1.71E-08	2.0625164	2	0.2		
DMR6:37040001	6	37040001	37041000	1000	1	2.43E-06	1.4054931	4	0.4	Vsnl1	Signaling
DMR6:38157001	6	38157001	38158000	1000	1	8.22E-06	1.8528515	7	0.7		
DMR6:38243001	6	38243001	38244000	1000	1	9.84E-06	1.5157538	10	1		
DMR6:40661001	6	40661001	40663000	2000	1	2.20E-06	1.8678701	12	0.6		
DMR6:40686001	6	40686001	40687000	1000	1	9.56E-07	1.7364225	3	0.3		
DMR6:41674001	6	41674001	41675000	1000	1	2.95E-06	1.8451144	6	0.6		
DMR6:41701001	6	41701001	41702000	1000	1	4.17E-06	1.6061872	7	0.7		
DMR6:41719001	6	41719001	41720000	1000	1	9.44E-06	1.6516694	2	0.2		
DMR6:43104001	6	43104001	43105000	1000	1	4.25E-08	2.2100855	2	0.2	Hpcal1	Signaling
DMR6:45939001	6	45939001	45940000	1000	1	3.85E-07	1.806529	15	1.5		
DMR6:47088001	6	47088001	47089000	1000	1	7.02E-06	1.7288859	5	0.5		
DMR6:47189001	6	47189001	47190000	1000	1	9.36E-06	1.5417492	7	0.7		
DMR6:48419001	6	48419001	48420000	1000	1	1.33E-07	1.9097961	3	0.3		
DMR6:50898001	6	50898001	50899000	1000	1	7.37E-06	1.5456085	4	0.4	Bcap29	Transport
DMR6:51425001	6	51425001	51426000	1000	1	6.53E-07	1.9422868	6	0.6		
DMR6:51779001	6	51779001	51783000	4000	1	1.92E-06	1.7763974	22	0.55		
DMR6:54008001	6	54008001	54009000	1000	1	8.37E-06	1.8279965	6	0.6	Hdac9	
DMR6:59461001	6	59461001	59464000	3000	1	3.33E-06	1.6671266	17	0.567	RF00004	
DMR6:61080001	6	61080001	61081000	1000	1	5.48E-06	2.0269065	2	0.2		
DMR6:66831001	6	66831001	66833000	2000	1	1.16E-06	1.4935615	8	0.4		
DMR6:67094001	6	67094001	67095000	1000	1	4.75E-07	2.2894566	4	0.4	Nova1	Transcription
DMR6:71204001	6	71204001	71205000	1000	1	9.15E-06	1.7035389	5	0.5	Prkd1	Signaling
DMR6:73004001	6	73004001	73005000	1000	1	4.61E-06	1.5273336	11	1.1	Nubpl	Metabolism
DMR6:79935001	6	79935001	79937000	2000	1	7.16E-07	2.1555351	9	0.45	RF00004	
DMR6:80467001	6	80467001	80468000	1000	1	2.99E-06	1.8401872	5	0.5		
DMR6:82528001	6	82528001	82529000	1000	1	1.69E-06	1.6339655	6	0.6		
DMR6:85215001	6	85215001	85217000	2000	1	3.29E-07	2.0521394	6	0.3		
DMR6:86339001	6	86339001	86340000	1000	1	6.93E-06	1.925408	7	0.7		
DMR6:88136001	6	88136001	88139000	3000	1	2.04E-06	1.5484242	25	0.833		
DMR6:92779001	6	92779001	92780000	1000	1	4.63E-06	1.9452772	11	1.1		
DMR6:95161001	6	95161001	95162000	1000	1	2.32E-06	2.3615801	9	0.9		
DMR6:95872001	6	95872001	95873000	1000	1	6.62E-06	1.294091	14	1.4	RF00100	
DMR6:97697001	6	97697001	97698000	1000	1	9.48E-06	1.5061886	3	0.3		
DMR6:98258001	6	98258001	98260000	2000	1	4.94E-06	1.5383882	13	0.65		
DMR6:99507001	6	99507001	99508000	1000	1	1.50E-06	1.455308	8	0.8		
DMR6:100121001	6	100121001	100123000	2000	1	5.60E-07	1.6290284	9	0.45		
DMR6:102043001	6	102043001	102044000	1000	1	1.20E-06	1.7728321	10	1	Atp6v1d;Eif2s1	Transport;Transcription
DMR6:102827001	6	102827001	102828000	1000	1	5.19E-09	2.0519924	4	0.4		
DMR6:104107001	6	104107001	104109000	2000	1	5.09E-06	1.7724184	20	1	Galnt16	Metabolism
DMR6:105099001	6	105099001	105100000	1000	1	3.75E-07	1.5293139	5	0.5	Slc8a3	Transport
DMR6:107459001	6	107459001	107460000	1000	1	2.14E-06	1.5215595	10	1	Heatr4;Acot2	
DMR6:107826001	6	107826001	107827000	1000	1	1.49E-07	1.8787592	3	0.3		
DMR6:111650001	6	111650001	111652000	2000	1	8.44E-06	1.8242228	23	1.15	Adck1	Protein Binding
DMR6:112357001	6	112357001	112358000	1000	1	3.77E-08	1.4486687	5	0.5	Nrxn3	Receptor
DMR6:117081001	6	117081001	117082000	1000	1	4.61E-06	1.4232451	7	0.7		
DMR6:117139001	6	117139001	117140000	1000	1	4.50E-06	1.7011334	3	0.3		
DMR6:119191001	6	119191001	119192000	1000	1	4.04E-06	1.5321172	5	0.5	AABR07065282.1	
DMR6:119384001	6	119384001	119385000	1000	1	4.65E-06	1.2840789	6	0.6		
DMR6:120825001	6	120825001	120826000	1000	1	1.07E-06	1.4388076	4	0.4		
DMR6:124677001	6	124677001	124678000	1000	1	1.92E-06	1.9345795	4	0.4	Rps6ka5	Signaling
DMR6:124739001	6	124739001	124740000	1000	1	4.20E-07	1.9585694	12	1.2	Rps6ka5	Signaling
DMR6:125480001	6	125480001	125482000	2000	1	1.01E-06	-1.4784947	14	0.7	Tc2n	Unknown
DMR6:127118001	6	127118001	127119000	1000	1	1.16E-06	1.8617722	8	0.8	Prima1	
DMR6:127905001	6	127905001	127906000	1000	1	1.61E-08	2.2432285	1	0.1		
DMR6:129929001	6	129929001	129930000	1000	1	2.63E-06	-1.1079582	13	1.3		
DMR6:130938001	6	130938001	130939000	1000	1	2.52E-06	1.7181999	14	1.4		
DMR6:131006001	6	131006001	131007000	1000	1	2.79E-06	1.7971114	9	0.9		
DMR6:131243001	6	131243001	131244000	1000	1	3.64E-06	-1.2401591	17	1.7		
DMR6:131367001	6	131367001	131369000	2000	1	5.68E-06	1.3074447	18	0.9		

DMR6:137315001	6	137315001	137316000	1000	1	1.08E-07	2.0622068	11	1.1	Cep170b;Pld4	Metabolism
DMR6:138588001	6	138588001	138590000	2000	1	2.64E-06	-1.3962129	16	0.8	Ighm	
DMR6:140883001	6	140883001	140884000	1000	1	8.87E-06	1.4033487	8	0.8	AABR07065776.3	
DMR6:144083001	6	144083001	144084000	1000	1	4.29E-06	1.4494289	9	0.9	Wdr60;AABR07065897.1	Unknown
DMR7:2419001	7	2419001	2420000	1000	1	6.93E-06	1.6549732	11	1.1	Hsd17b6	Metabolism
DMR7:2862001	7	2862001	2863000	1000	1	2.17E-07	2.1933863	12	1.2	Rnf41	
DMR7:12754001	7	12754001	12758000	4000	1	4.37E-06	2.1238805	163	4.075	Palm;Abca7;Grin3b	Development;Transport
DMR7:13831001	7	13831001	13834000	3000	1	1.87E-07	2.0404372	23	0.767		
DMR7:15636001	7	15636001	15640000	4000	2	3.12E-07	2.4242685	14	0.35	Olr1090;Olr1091	Receptor
DMR7:16008001	7	16008001	16009000	1000	1	2.02E-06	3.0611539	2	0.2	Olr996	
DMR7:18928001	7	18928001	18930000	2000	1	7.57E-06	1.706493	8	0.4		
DMR7:23794001	7	23794001	23795000	1000	1	4.02E-06	1.5368966	19	1.9	Syn3	Development
DMR7:23801001	7	23801001	23803000	2000	1	3.68E-06	2.217063	13	0.65	Syn3	Development
DMR7:24174001	7	24174001	24176000	2000	1	6.53E-07	1.8969513	18	0.9	Btbd11	Signaling
DMR7:24578001	7	24578001	24579000	1000	1	1.64E-06	2.1299116	8	0.8	Cry1	DNA Repair
DMR7:25015001	7	25015001	25019000	4000	1	9.52E-06	1.400755	26	0.65	AABR07056425.1	
DMR7:27246001	7	27246001	27247000	1000	1	3.68E-06	1.3360375	8	0.8	Hsp90b1;AABR07056495.1;L OC362863	Protein Binding;Unknown
DMR7:29135001	7	29135001	29136000	1000	1	5.13E-07	1.9870859	7	0.7	Mybpc1	
DMR7:30559001	7	30559001	30560000	1000	1	3.36E-06	1.4728862	5	0.5		
DMR7:30750001	7	30750001	30751000	1000	1	1.04E-06	-1.9192816	16	1.6	Anks1b	Receptor
DMR7:31672001	7	31672001	31674000	2000	1	3.56E-06	1.2447831	29	1.45	Anks1b	Receptor
DMR7:33843001	7	33843001	33844000	1000	1	3.76E-07	1.8632755	23	2.3		
DMR7:33955001	7	33955001	33957000	2000	1	1.67E-06	1.7830064	16	0.8		
DMR7:34256001	7	34256001	34257000	1000	1	6.10E-06	1.3684786	9	0.9		
DMR7:34512001	7	34512001	34514000	2000	1	6.58E-06	1.4282444	12	0.6		
DMR7:35063001	7	35063001	35065000	2000	1	3.16E-06	1.1936201	33	1.65	Fgd6;Nr2c1	Signaling;Transcription
DMR7:37031001	7	37031001	37033000	2000	1	2.65E-06	1.6319647	23	1.15	Eea1;RF00560	Transport
DMR7:37104001	7	37104001	37105000	1000	1	9.68E-06	1.7452079	6	0.6	Eea1	Transport
DMR7:40058001	7	40058001	40059000	1000	1	2.89E-08	1.4841727	11	1.1		
DMR7:40298001	7	40298001	40299000	1000	1	1.56E-06	1.4711794	3	0.3	Cep290;RGD1307947	Unknown;EST
DMR7:41516001	7	41516001	41518000	2000	1	3.86E-06	-1.4830512	15	0.75		
DMR7:43378001	7	43378001	43379000	1000	1	3.66E-07	1.2561925	4	0.4		
DMR7:48007001	7	48007001	48008000	1000	1	3.92E-06	1.3924058	3	0.3		
DMR7:55785001	7	55785001	55786000	1000	1	4.31E-06	1.3393694	5	0.5	AABR07057108.1	
DMR7:56611001	7	56611001	56612000	1000	1	2.57E-06	1.8682417	5	0.5		
DMR7:56741001	7	56741001	56742000	1000	1	7.25E-06	-1.7259147	16	1.6		
DMR7:59266001	7	59266001	59268000	2000	1	3.79E-06	2.0182125	25	1.25	Ptprr	Signaling
DMR7:59461001	7	59461001	59462000	1000	1	5.92E-07	1.688735	12	1.2	Kcnmb4;AC136025.1	Transport
DMR7:62385001	7	62385001	62386000	1000	1	5.69E-06	2.027675	6	0.6		
DMR7:65165001	7	65165001	65166000	1000	1	7.93E-07	1.7090186	9	0.9	Hmga2	Transcription
DMR7:65327001	7	65327001	65330000	3000	1	5.39E-06	1.8594155	33	1.1		
DMR7:65530001	7	65530001	65531000	1000	1	1.14E-06	2.1698966	2	0.2		
DMR7:68470001	7	68470001	68471000	1000	1	3.75E-08	1.816276	4	0.4	Slc16a7	Metabolism
DMR7:68677001	7	68677001	68679000	2000	1	2.33E-06	1.489517	13	0.65		
DMR7:69460001	7	69460001	69461000	1000	1	5.53E-06	1.2432659	9	0.9		
DMR7:70482001	7	70482001	70484000	2000	1	4.33E-06	2.1144481	21	1.05	Arhgef25;Dtx3;Pip4k2c;AC11 4111.2	Transcription;Signaling
DMR7:72256001	7	72256001	72257000	1000	1	1.68E-07	2.1634022	2	0.2		
DMR7:75190001	7	75190001	75191000	1000	1	5.92E-07	1.4030062	12	1.2		
DMR7:76783001	7	76783001	76784000	1000	1	6.59E-06	1.8484405	5	0.5	Rrm2b;Ubr5	Development
DMR7:79134001	7	79134001	79136000	2000	2	8.63E-07	1.9880059	5	0.25	AABR07057586.1	
DMR7:79899001	7	79899001	79901000	2000	1	3.24E-06	1.4497445	26	1.3	Zfpn2	Transcription
DMR7:80370001	7	80370001	80371000	1000	1	1.44E-06	1.8922851	6	0.6	Oxr1	Development
DMR7:82502001	7	82502001	82503000	1000	1	1.41E-06	1.6877139	7	0.7	RF00015	
DMR7:83702001	7	83702001	83703000	1000	1	1.92E-06	1.6142901	9	0.9	AABR07057675.1	
DMR7:83824001	7	83824001	83825000	1000	1	3.29E-06	1.5579911	5	0.5		
DMR7:86803001	7	86803001	86804000	1000	1	5.61E-06	1.9340552	6	0.6	AABR07057765.1	
DMR7:92702001	7	92702001	92703000	1000	1	3.30E-06	1.1213084	6	0.6	Ext1	Metabolism
DMR7:93078001	7	93078001	93080000	2000	1	6.56E-06	1.8679855	10	0.5	Samd12	Unknown
DMR7:95509001	7	95509001	95511000	2000	1	7.30E-06	1.7114678	9	0.45	Sntb1	Development

DMR7:96962001	7	96962001	96963000	1000	1	1.04E-06	2.2691499	4	0.4		
DMR7:102736001	7	102736001	102737000	1000	1	8.24E-06	1.4806027	4	0.4	AABR07058158.1	
DMR7:107826001	7	107826001	107827000	1000	1	1.61E-06	1.451076	5	0.5		
DMR7:108630001	7	108630001	108631000	1000	1	5.09E-06	1.2568694	4	0.4	Phf20l1	Epigenetic
DMR7:111531001	7	111531001	111535000	4000	1	6.22E-06	1.5677729	18	0.45		
DMR7:113350001	7	113350001	113351000	1000	1	4.76E-06	1.7199797	5	0.5	AABR07058383.2	
DMR7:117089001	7	117089001	117090000	1000	1	1.64E-07	1.4560233	12	1.2		
DMR7:118971001	7	118971001	118972000	1000	1	1.15E-06	2.0270221	10	1	RGD1309808;Apol2	Metabolism
DMR7:119781001	7	119781001	119782000	1000	1	2.24E-09	2.1178746	18	1.8	Rac2	Signaling
DMR7:120566001	7	120566001	120568000	2000	1	8.43E-06	1.2627719	23	1.15	Pla2g6	Metabolism
DMR7:122729001	7	122729001	122730000	1000	1	3.02E-06	1.7230783	12	1.2		
DMR7:125007001	7	125007001	125008000	1000	1	4.46E-07	1.4444425	11	1.1	Pnpla5	Metabolism
DMR7:125835001	7	125835001	125836000	1000	1	4.52E-08	2.0069535	9	0.9	Nup50	Transport
DMR7:126192001	7	126192001	126193000	1000	1	2.07E-07	1.6429422	12	1.2		
DMR7:128273001	7	128273001	128274000	1000	1	6.00E-06	1.809167	2	0.2		
DMR7:128840001	7	128840001	128842000	2000	1	2.43E-06	1.5817837	17	0.85		
DMR7:131335001	7	131335001	131336000	1000	1	7.97E-06	-1.6139926	11	1.1	Alg10;AABR07058678.1	
DMR7:135675001	7	135675001	135677000	2000	1	7.73E-06	1.1996782	27	1.35		
DMR7:138761001	7	138761001	138762000	1000	1	7.18E-06	1.3497596	8	0.8	Pced1b	
DMR7:138916001	7	138916001	138918000	2000	1	3.69E-06	1.10818	48	2.4		
DMR7:140787001	7	140787001	140789000	2000	2	1.76E-06	1.7391342	28	1.4	Dnajc22;Kcnh3	Protein Binding;Transport
DMR7:141491001	7	141491001	141492000	1000	1	5.85E-06	1.3366152	5	0.5	Lima1	Cytoskeleton
DMR7:143438001	7	143438001	143440000	2000	1	7.22E-06	1.5351599	23	1.15	Krt5;LOC300249;Krt1	Cytoskeleton
DMR7:143943001	7	143943001	143945000	2000	1	3.70E-06	1.8012023	12	0.6	Myg1;Aaas	Transcription;Unknown
DMR7:144897001	7	144897001	144899000	2000	1	4.27E-06	1.5039583	27	1.35	Copz1	Cytoskeleton
DMR8:7049001	8	7049001	7050000	1000	1	3.48E-07	1.811938	9	0.9		
DMR8:7099001	8	7099001	7101000	2000	1	2.88E-06	1.4725602	8	0.4		
DMR8:8400001	8	8400001	8401000	1000	1	2.68E-06	2.2022062	2	0.2	Cntn5	Extracellular Matrix
DMR8:17286001	8	17286001	17287000	1000	1	8.74E-06	1.35016	5	0.5		
DMR8:18723001	8	18723001	18725000	2000	1	4.06E-06	1.6250865	7	0.35	Olr1121	
DMR8:20349001	8	20349001	20350000	1000	1	9.15E-06	1.4756595	6	0.6	LOC100911547	
DMR8:22035001	8	22035001	22036000	1000	1	2.17E-08	2.2739876	43	4.3	Mrpl4;Icam1	Transcription;Receptor
DMR8:23835001	8	23835001	23836000	1000	1	5.73E-06	1.6140037	7	0.7	Bbs9	Development
DMR8:24643001	8	24643001	24644000	1000	1	8.80E-06	1.5262026	9	0.9		
DMR8:29016001	8	29016001	29017000	1000	1	6.57E-07	1.6746714	5	0.5		
DMR8:30444001	8	30444001	30446000	2000	1	3.75E-06	-1.5098166	45	2.25		
DMR8:31603001	8	31603001	31604000	1000	1	8.99E-07	1.3257359	3	0.3		
DMR8:33603001	8	33603001	33604000	1000	1	4.92E-08	1.971579	7	0.7	Fli1	Transcription
DMR8:33713001	8	33713001	33714000	1000	1	8.54E-06	1.9400614	8	0.8		
DMR8:34397001	8	34397001	34398000	1000	1	1.00E-06	2.2611686	3	0.3		
DMR8:34894001	8	34894001	34895000	1000	1	6.28E-07	1.5727499	4	0.4		
DMR8:34905001	8	34905001	34906000	1000	1	4.57E-06	1.4973029	4	0.4		
DMR8:39128001	8	39128001	39130000	2000	1	2.63E-06	1.6602199	22	1.1		
DMR8:40271001	8	40271001	40272000	1000	1	2.54E-06	1.9033768	1	0.1	Olr1197	
DMR8:45668001	8	45668001	45669000	1000	1	9.87E-06	1.7006243	4	0.4		
DMR8:45940001	8	45940001	45941000	1000	1	8.93E-06	-1.1661384	20	2		
DMR8:46121001	8	46121001	46123000	2000	1	3.26E-07	1.523408	13	0.65		
DMR8:46169001	8	46169001	46170000	1000	1	5.18E-06	1.8437489	2	0.2		
DMR8:46914001	8	46914001	46916000	2000	1	7.17E-06	1.5435297	17	0.85	Grik4	Signaling
DMR8:47134001	8	47134001	47135000	1000	1	2.96E-06	1.8135468	4	0.4		
DMR8:50134001	8	50134001	50135000	1000	1	4.08E-06	2.0709025	5	0.5	Cep164;Bace1	Protease
DMR8:51399001	8	51399001	51400000	1000	1	9.89E-07	1.7539969	6	0.6		
DMR8:53198001	8	53198001	53199000	1000	1	4.40E-06	1.8128336	3	0.3		
DMR8:63109001	8	63109001	63110000	1000	1	3.47E-06	2.2804369	5	0.5	LOC682793	
DMR8:63153001	8	63153001	63154000	1000	1	4.49E-06	1.8992342	4	0.4	Tbc1d21	Signaling
DMR8:63737001	8	63737001	63738000	1000	1	8.14E-06	1.4448072	1	0.1	Neo1	Receptor
DMR8:66273001	8	66273001	66275000	2000	1	2.05E-06	1.2846854	33	1.65		
DMR8:67314001	8	67314001	67315000	1000	1	9.58E-06	1.7042722	16	1.6	Anp32a	
DMR8:67878001	8	67878001	67879000	1000	1	6.30E-06	1.8635779	8	0.8	Pias1	Metabolism
DMR8:69048001	8	69048001	69050000	2000	1	2.08E-06	1.4579299	24	1.2		
DMR8:71061001	8	71061001	71062000	1000	1	5.45E-06	1.7695797	6	0.6	Ankdd1a	Unknown

DMR8:74250001	8	74250001	74252000	2000	1	8.94E-06	1.5261775	7	0.35		
DMR8:75237001	8	75237001	75238000	1000	1	7.30E-06	1.7826031	6	0.6		
DMR8:75341001	8	75341001	75343000	2000	1	2.75E-06	1.792942	20	1		
DMR8:77513001	8	77513001	77515000	2000	1	4.07E-06	2.0547516	18	0.9		
DMR8:79285001	8	79285001	79286000	1000	1	1.48E-06	1.7767602	4	0.4	Rfx7	Transcription
DMR8:80441001	8	80441001	80443000	2000	1	1.08E-10	1.8301609	13	0.65	Unc13c	Development
DMR8:80768001	8	80768001	80769000	1000	1	4.48E-06	1.7197307	13	1.3		
DMR8:82425001	8	82425001	82426000	1000	1	6.35E-06	1.6847834	5	0.5	AC096430.2;Tmod3	Cytoskeleton
DMR8:83590001	8	83590001	83592000	2000	1	7.16E-06	1.7221978	13	0.65		
DMR8:83598001	8	83598001	83599000	1000	1	3.91E-06	1.9540285	1	0.1		
DMR8:84826001	8	84826001	84827000	1000	1	7.60E-06	1.1577412	9	0.9	Lrrc1	Unknown
DMR8:88421001	8	88421001	88422000	1000	1	2.30E-06	1.8514258	0	0		
DMR8:89828001	8	89828001	89830000	2000	1	5.46E-06	1.795044	6	0.3		
DMR8:93296001	8	93296001	93298000	2000	1	5.74E-06	1.8499657	13	0.65		
DMR8:96286001	8	96286001	96287000	1000	1	8.43E-07	2.1562639	10	1		
DMR8:96486001	8	96486001	96487000	1000	1	6.99E-06	1.5074476	8	0.8	RGD1560775	
DMR8:100706001	8	100706001	100708000	2000	1	5.63E-08	2.8383823	12	0.6		
DMR8:104658001	8	104658001	104659000	1000	1	6.01E-06	1.7610411	6	0.6	AABR07071208.2	
DMR8:105840001	8	105840001	105841000	1000	1	5.90E-08	1.3994217	7	0.7		
DMR8:109831001	8	109831001	109832000	1000	1	2.14E-06	1.8537802	4	0.4		
DMR8:111204001	8	111204001	111206000	2000	1	1.03E-06	1.8424548	27	1.35	Amotl2	Unknown
DMR8:111265001	8	111265001	111266000	1000	1	2.71E-06	1.3447828	16	1.6		
DMR8:114512001	8	114512001	114514000	2000	1	1.36E-07	1.61481	21	1.05		
DMR8:116487001	8	116487001	116488000	1000	1	6.45E-06	1.6324886	12	1.2		
DMR8:120396001	8	120396001	120397000	1000	1	9.80E-06	1.8770223	8	0.8	Arpp21	
DMR8:121037001	8	121037001	121039000	2000	1	6.67E-06	1.0877115	13	0.65		
DMR8:121544001	8	121544001	121545000	1000	1	2.25E-06	2.1640244	3	0.3		
DMR8:121927001	8	121927001	121928000	1000	1	5.41E-06	1.7981961	10	1	Pdcd6ip	Apoptosis
DMR8:123983001	8	123983001	123984000	1000	1	1.07E-06	1.8832923	6	0.6		
DMR8:125566001	8	125566001	125567000	1000	1	7.60E-06	-1.423179	20	2	Rbms3	Epigenetic
DMR8:129317001	8	129317001	129319000	2000	1	7.59E-06	1.6847594	26	1.3		
DMR8:129734001	8	129734001	129735000	1000	1	3.64E-06	1.8306432	6	0.6	Ulk4	
DMR8:130696001	8	130696001	130700000	4000	1	2.35E-06	1.9554999	31	0.775		
DMR8:132449001	8	132449001	132450000	1000	1	4.38E-06	1.6373371	4	0.4	Lars2	Metabolism
DMR9:87001	9	87001	88000	1000	1	9.29E-06	-1.1573308	7	0.7	Efhh	Signaling
DMR9:3387001	9	3387001	3389000	2000	1	6.96E-07	1.8667769	10	0.5	Kcnh8;RF00003	Transport
DMR9:6381001	9	6381001	6383000	2000	1	3.16E-06	1.4854537	13	0.65		
DMR9:13716001	9	13716001	13719000	3000	1	6.72E-06	1.5576174	47	1.567		
DMR9:14027001	9	14027001	14028000	1000	1	3.28E-06	1.6257112	11	1.1		
DMR9:14122001	9	14122001	14124000	2000	1	5.86E-07	1.5741998	21	1.05		
DMR9:14468001	9	14468001	14469000	1000	1	6.03E-06	1.3642059	18	1.8		
DMR9:14717001	9	14717001	14719000	2000	1	9.81E-06	1.3390453	28	1.4	Trem3;Trem1	
DMR9:15217001	9	15217001	15218000	1000	1	1.89E-06	1.4462598	13	1.3	Tfeb	Transcription
DMR9:15345001	9	15345001	15346000	1000	1	1.66E-07	1.8374303	10	1	Usp49	Proteolysis
DMR9:19734001	9	19734001	19735000	1000	1	3.05E-06	1.1491943	13	1.3	Rcan2	Development
DMR9:23495001	9	23495001	23496000	1000	1	1.53E-06	1.5197674	7	0.7	Rhag;Crisp2	Transport;Development
DMR9:23768001	9	23768001	23772000	4000	1	3.95E-06	-1.1810546	101	2.525		
DMR9:23774001	9	23774001	23775000	1000	1	2.56E-07	1.8938801	2	0.2		
DMR9:27602001	9	27602001	27603000	1000	1	1.99E-06	1.8407663	2	0.2	Kcnq5	Transport
DMR9:29189001	9	29189001	29190000	1000	1	1.03E-06	1.4739724	3	0.3		
DMR9:29526001	9	29526001	29527000	1000	1	8.81E-07	2.3277564	82	8.2		
DMR9:32442001	9	32442001	32444000	2000	1	7.85E-06	1.3533398	16	0.8	RF00548	
DMR9:35542001	9	35542001	35543000	1000	1	2.49E-07	1.7837859	7	0.7		
DMR9:35589001	9	35589001	35590000	1000	1	8.67E-06	1.7508938	7	0.7		
DMR9:36653001	9	36653001	36654000	1000	1	9.37E-07	1.4186418	6	0.6		
DMR9:40868001	9	40868001	40869000	1000	1	2.43E-06	1.6372804	6	0.6		
DMR9:41104001	9	41104001	41105000	1000	1	4.84E-07	1.6238697	4	0.4	Amer3	
DMR9:42200001	9	42200001	42201000	1000	1	4.71E-06	1.6615891	10	1		
DMR9:43077001	9	43077001	43078000	1000	1	5.60E-06	1.2477021	16	1.6	Cnm4;AABR07067401.3	Cell Cycle
DMR9:43957001	9	43957001	43958000	1000	1	2.35E-06	1.5546338	6	0.6	Inpp4a	
DMR9:45271001	9	45271001	45272000	1000	1	2.92E-06	1.6577549	7	0.7	Aff3	Unknown

DMR9:47334001	9	47334001	47337000	3000	1	4.24E-06	1.4458567	27	0.9	Slc9a4;AABR07067462.1	Metabolism
DMR9:49249001	9	49249001	49251000	2000	1	8.85E-07	1.8941943	24	1.2		
DMR9:51566001	9	51566001	51567000	1000	1	1.18E-06	1.9683973	2	0.2		
DMR9:55143001	9	55143001	55144000	1000	1	3.12E-06	2.1457159	3	0.3		
DMR9:58657001	9	58657001	58658000	1000	1	9.28E-07	2.0191623	9	0.9		
DMR9:60715001	9	60715001	60716000	1000	1	1.37E-06	1.6391884	4	0.4		
DMR9:61339001	9	61339001	61340000	1000	1	1.98E-06	1.922157	10	1	Ankrd44	Unknown
DMR9:62270001	9	62270001	62271000	1000	1	8.42E-06	1.2910083	5	0.5		
DMR9:63526001	9	63526001	63527000	1000	1	9.35E-06	1.2339544	13	1.3	Satb2	Epigenetic
DMR9:66338001	9	66338001	66340000	2000	1	6.81E-06	-1.1753558	37	1.85	RGD1562029	Unknown
DMR9:68625001	9	68625001	68626000	1000	1	1.04E-06	1.8682669	3	0.3	Pard3b	Cell Junction
DMR9:70965001	9	70965001	70966000	1000	1	8.94E-08	1.6029255	7	0.7		
DMR9:71718001	9	71718001	71719000	1000	1	9.07E-06	1.5565498	5	0.5		
DMR9:73209001	9	73209001	73210000	1000	1	4.37E-06	1.5598761	3	0.3		
DMR9:75148001	9	75148001	75149000	1000	1	2.97E-06	-1.2160921	12	1.2	ErbB4	Signaling
DMR9:77751001	9	77751001	77752000	1000	1	3.16E-06	1.6280774	4	0.4	Spag16	Cytoskeleton
DMR9:79373001	9	79373001	79374000	1000	1	7.57E-06	1.3804492	9	0.9	AABR07068046.1	
DMR9:80836001	9	80836001	80838000	2000	1	5.74E-06	2.1782627	7	0.35		
DMR9:81335001	9	81335001	81337000	2000	1	2.22E-06	1.5550712	22	1.1	Tns1	Signaling
DMR9:81695001	9	81695001	81696000	1000	1	6.23E-06	1.0716387	5	0.5	Vil1	Cytoskeleton
DMR9:81964001	9	81964001	81966000	2000	1	5.04E-09	1.7616659	10	0.5	Cyp27a1;Ttll4	Metabolism;Cytoskeleton
DMR9:82134001	9	82134001	82136000	2000	1	2.90E-06	1.8061705	29	1.45	Fev	Signaling
DMR9:82604001	9	82604001	82605000	1000	1	3.26E-06	1.5344574	13	1.3	Speg	
DMR9:82649001	9	82649001	82651000	2000	1	9.58E-06	1.4946185	25	1.25	Asic4;Gmppa	Transport;Signaling
DMR9:82704001	9	82704001	82705000	1000	1	5.92E-06	1.7645762	6	0.6	Obsl1;Inha	Signaling;Growth Factors & Cytokines
DMR9:83557001	9	83557001	83558000	1000	1	4.50E-06	1.8829968	7	0.7		
DMR9:88694001	9	88694001	88695000	1000	1	2.65E-06	1.9345942	6	0.6		
DMR9:89342001	9	89342001	89343000	1000	1	5.44E-06	1.7486637	4	0.4		
DMR9:89635001	9	89635001	89637000	2000	1	2.06E-07	1.9851725	10	0.5		
DMR9:91889001	9	91889001	91890000	1000	1	3.69E-07	1.5782387	5	0.5	Pid1	Signaling
DMR9:94230001	9	94230001	94231000	1000	1	2.65E-07	1.6762966	14	1.4	Akp3;Ecel1	Signaling;Protease
DMR9:97348001	9	97348001	97350000	2000	1	1.10E-06	1.9437066	19	0.95	Ackr3	Growth Factors & Cytokines
DMR9:97550001	9	97550001	97551000	1000	1	3.05E-07	1.6094528	5	0.5	AABR07068308.1	
DMR9:100496001	9	100496001	100497000	1000	1	6.27E-06	2.0907111	3	0.3	RF00026;AABR07068351.1	
DMR9:102121001	9	102121001	102122000	1000	1	1.28E-07	2.1134397	1	0.1		
DMR9:102655001	9	102655001	102658000	3000	1	5.66E-06	1.3649923	16	0.533		
DMR9:103455001	9	103455001	103456000	1000	1	1.85E-06	1.8186536	3	0.3		
DMR9:107929001	9	107929001	107930000	1000	1	3.08E-06	1.87057	3	0.3		
DMR9:110467001	9	110467001	110468000	1000	1	8.67E-06	1.3857447	11	1.1		
DMR9:116213001	9	116213001	116215000	2000	1	7.44E-06	1.5539377	27	1.35	Arhgap28	Signaling
DMR9:119214001	9	119214001	119216000	2000	1	3.18E-06	1.7168308	13	0.65		
DMR9:119301001	9	119301001	119302000	1000	1	7.10E-06	1.8144909	12	1.2	Myl12b	Cytoskeleton
DMR10:582001	10	582001	583000	1000	1	1.31E-07	2.0278539	5	0.5	Abcc1	Receptor
DMR10:2246001	10	2246001	2247000	1000	1	8.81E-06	1.3536414	5	0.5		
DMR10:4585001	10	4585001	4586000	1000	1	2.61E-06	1.9935928	7	0.7	Zc3h7a;Txndc11	Transcription;Electron Transport
DMR10:8275001	10	8275001	8276000	1000	1	8.94E-06	1.9320821	2	0.2		
DMR10:8612001	10	8612001	8614000	2000	1	7.04E-06	2.3302653	8	0.4	Rbfox1	Unknown
DMR10:9068001	10	9068001	9069000	1000	1	8.52E-07	1.728553	3	0.3		
DMR10:9274001	10	9274001	9275000	1000	1	6.12E-06	1.4586106	4	0.4		
DMR10:15070001	10	15070001	15072000	2000	1	7.63E-06	1.3429651	19	0.95	AABR07029217.4	
DMR10:16486001	10	16486001	16488000	2000	1	2.83E-06	2.0579821	7	0.35		
DMR10:17861001	10	17861001	17862000	1000	1	2.70E-06	1.3846724	6	0.6		
DMR10:17996001	10	17996001	17997000	1000	1	6.69E-06	1.6395576	10	1		
DMR10:19975001	10	19975001	19976000	1000	1	9.77E-06	-1.2194838	15	1.5		
DMR10:20766001	10	20766001	20768000	2000	1	3.05E-06	1.3526553	16	0.8	Wwc1	Unknown
DMR10:23132001	10	23132001	23134000	2000	1	3.95E-07	1.7467013	24	1.2		
DMR10:23484001	10	23484001	23485000	1000	1	1.05E-06	1.6233626	5	0.5	RF00139	
DMR10:24328001	10	24328001	24330000	2000	1	9.71E-07	1.9261533	18	0.9		



DMR10:29832001	10	29832001	29833000	1000	1	8.02E-06	1.7633893	7	0.7		
DMR10:30444001	10	30444001	30445000	1000	1	2.76E-06	1.5653323	8	0.8		
DMR10:31346001	10	31346001	31347000	1000	1	7.51E-06	1.6342261	12	1.2	Cyfp2	Development
DMR10:31358001	10	31358001	31359000	1000	1	9.30E-07	1.8364633	5	0.5	Cyfp2	Development
DMR10:31796001	10	31796001	31798000	2000	1	3.29E-07	1.7099332	15	0.75	Timd2	Immune
DMR10:32020001	10	32020001	32021000	1000	1	6.31E-06	1.6820956	2	0.2		
DMR10:32828001	10	32828001	32829000	1000	1	1.49E-06	1.3943187	5	0.5		
DMR10:34257001	10	34257001	34258000	1000	1	5.70E-06	1.5408449	9	0.9		
DMR10:35108001	10	35108001	35110000	2000	1	4.01E-06	1.6152287	22	1.1	Flt4	Receptor
DMR10:37385001	10	37385001	37386000	1000	1	6.83E-06	1.6327504	7	0.7		
DMR10:37398001	10	37398001	37400000	2000	1	9.08E-06	1.8358237	17	0.85		
DMR10:39849001	10	39849001	39850000	1000	1	2.67E-06	1.7457733	10	1	AABR07029605.1	
DMR10:40672001	10	40672001	40674000	2000	1	6.85E-07	2.0745234	29	1.45		
DMR10:40988001	10	40988001	40989000	1000	1	1.05E-07	1.7984312	6	0.6	AABR07029613.1	
DMR10:45125001	10	45125001	45127000	2000	1	8.98E-06	1.3501689	20	1		
DMR10:47778001	10	47778001	47779000	1000	1	6.01E-06	2.0559526	6	0.6	Mfap4;Mapk7;B9d1	Development;Signaling
DMR10:49379001	10	49379001	49380000	1000	1	1.66E-06	1.8666534	12	1.2	Cdrt4	
DMR10:49708001	10	49708001	49710000	2000	1	4.63E-06	1.6166023	17	0.85		
DMR10:51091001	10	51091001	51092000	1000	1	7.61E-08	1.680481	10	1		
DMR10:51814001	10	51814001	51816000	2000	2	7.25E-08	1.8253235	12	0.6		
DMR10:53297001	10	53297001	53298000	1000	1	9.39E-06	1.6162726	5	0.5		
DMR10:53774001	10	53774001	53776000	2000	1	8.87E-06	2.0977987	8	0.4	Myh2	
DMR10:54386001	10	54386001	54387000	1000	1	6.15E-06	1.8360318	7	0.7		
DMR10:56870001	10	56870001	56873000	3000	1	4.35E-06	1.581607	23	0.767	Alox12	Metabolism
DMR10:57053001	10	57053001	57054000	1000	1	9.09E-06	1.5286716	13	1.3	Arrb2;Med11;Cxcl16	Signaling;Transcription;Growth Factors & Cytokines
DMR10:59576001	10	59576001	59577000	1000	1	5.23E-06	1.6414008	9	0.9	Itgae;P2rx1;Camkk1	Extracellular Matrix;Receptor;Signaling
DMR10:61231001	10	61231001	61232000	1000	1	3.19E-06	1.8645636	15	1.5	Rap1gap2	Signaling
DMR10:64726001	10	64726001	64728000	2000	1	1.56E-06	1.8787063	12	0.6	Lgals9	Cytoskeleton
DMR10:68575001	10	68575001	68577000	2000	2	1.48E-07	1.9697361	20	1		
DMR10:69946001	10	69946001	69947000	1000	1	5.01E-06	1.7514108	6	0.6		
DMR10:70269001	10	70269001	70270000	1000	1	1.54E-07	1.8706449	9	0.9	Nle1;Unc45b	Unknown
DMR10:71511001	10	71511001	71513000	2000	1	7.32E-06	1.7266613	14	0.7		
DMR10:71714001	10	71714001	71715000	1000	1	2.76E-06	1.8922053	12	1.2	Acaca	Metabolism
DMR10:71973001	10	71973001	71975000	2000	1	1.84E-06	2.3531802	11	0.55		
DMR10:73700001	10	73700001	73703000	3000	1	3.81E-06	1.5356325	15	0.5	Ints2;Med13	Translation;Transcription
DMR10:80177001	10	80177001	80179000	2000	1	5.59E-06	1.4579059	19	0.95		
DMR10:80859001	10	80859001	80860000	1000	1	5.99E-06	1.7024544	5	0.5	Car10;RF00100	Metabolism
DMR10:81364001	10	81364001	81366000	2000	1	4.01E-06	1.7839708	18	0.9		
DMR10:81513001	10	81513001	81515000	2000	1	2.64E-06	1.6118509	16	0.8		
DMR10:82076001	10	82076001	82080000	4000	1	1.47E-06	1.6306107	57	1.425	Abcc3	Transport
DMR10:83404001	10	83404001	83405000	1000	1	2.22E-07	1.9516632	13	1.3	Ngfr	Receptor
DMR10:86284001	10	86284001	86285000	1000	1	8.24E-08	2.0109364	13	1.3	Neurod2	Transcription
DMR10:86426001	10	86426001	86428000	2000	1	5.33E-06	1.5048398	44	2.2	Ikzf3;RF00004	Transcription
DMR10:86663001	10	86663001	86664000	1000	1	9.16E-08	1.4146627	23	2.3	Thra	Receptor
DMR10:86879001	10	86879001	86881000	2000	1	1.93E-06	1.2099895	57	2.85	Rara;Gjd3	Signaling
DMR10:87240001	10	87240001	87241000	1000	1	5.02E-06	1.2856091	8	0.8	Krt25;Krt26	Cytoskeleton
DMR10:89040001	10	89040001	89041000	1000	1	5.44E-07	1.8598747	7	0.7	Retreg3;Tubg1	Cytoskeleton
DMR10:89051001	10	89051001	89052000	1000	1	6.00E-06	1.2716971	10	1		
DMR10:89182001	10	89182001	89183000	1000	1	8.35E-06	2.3106356	10	1	AABR07072184.1;AABR07072184.2;Vps25;Wnk4;LOC103693430	Signaling
DMR10:89806001	10	89806001	89807000	1000	1	3.23E-06	1.4984902	8	0.8	Meox1	Transcription
DMR10:90015001	10	90015001	90017000	2000	1	8.99E-06	1.3628753	42	2.1	Mpp2	Transcription
DMR10:92135001	10	92135001	92136000	1000	1	5.28E-06	1.5215094	8	0.8		
DMR10:95063001	10	95063001	95064000	1000	1	5.40E-06	1.6333447	5	0.5	Smurf2	Metabolism
DMR10:99468001	10	99468001	99469000	1000	1	1.30E-06	1.9113573	3	0.3		
DMR10:100469001	10	100469001	100470000	1000	1	1.76E-06	1.7908724	6	0.6		
DMR10:100825001	10	100825001	100827000	2000	1	7.54E-06	1.4613017	11	0.55		
DMR10:106086001	10	106086001	106087000	1000	1	7.68E-06	1.4633675	7	0.7	Sec14l1;RF00100	Metabolism

DMR10:109874001	10	109874001	109875000	1000	1	5.39E-06	2.0767171	6	0.6	Aspscr1;AC131537.2	
DMR10:109913001	10	109913001	109915000	2000	1	4.93E-06	1.4294895	34	1.7	Lrrc45;Rac3;Dcxr;LOC68832	Signaling;Metabolism
DMR10:110266001	10	110266001	110267000	1000	1	2.72E-06	1.2754964	7	0.7	Sectm1b;Sectm1a	Development
DMR10:110327001	10	110327001	110329000	2000	1	3.38E-07	1.7993661	7	0.35		
DMR11:388001	11	388001	389000	1000	1	1.30E-06	2.1889729	3	0.3		
DMR11:9346001	11	9346001	9348000	2000	1	1.93E-07	1.6300921	12	0.6		
DMR11:12062001	11	12062001	12064000	2000	1	5.02E-06	2.2323956	9	0.45		
DMR11:15152001	11	15152001	15154000	2000	1	2.98E-06	1.5069328	11	0.55		
DMR11:17504001	11	17504001	17505000	1000	1	3.75E-06	1.4659247	12	1.2		
DMR11:18409001	11	18409001	18411000	2000	1	9.14E-06	-1.5752725	9	0.45		
DMR11:22983001	11	22983001	22985000	2000	1	3.08E-06	1.7373132	14	0.7		
DMR11:24432001	11	24432001	24433000	1000	1	8.04E-06	-1.0617201	32	3.2	App	Signaling
DMR11:24645001	11	24645001	24646000	1000	1	3.31E-06	-1.1083923	13	1.3	App	Signaling
DMR11:25266001	11	25266001	25267000	1000	1	2.95E-06	2.1420097	5	0.5		
DMR11:27496001	11	27496001	27497000	1000	1	5.99E-06	1.6866311	4	0.4		
DMR11:31192001	11	31192001	31193000	1000	1	3.38E-06	1.4552543	9	0.9	Paxbp1	Transcription
DMR11:35620001	11	35620001	35621000	1000	1	6.61E-06	1.8826333	6	0.6	AABR07033697.2;AABR07033697.1	
DMR11:36262001	11	36262001	36267000	5000	1	1.53E-06	1.9456669	59	1.18		
DMR11:36317001	11	36317001	36318000	1000	1	6.74E-06	1.5940068	8	0.8	Psmg1	
DMR11:36404001	11	36404001	36405000	1000	1	9.40E-06	1.2471933	6	0.6	Brwd1	
DMR11:36409001	11	36409001	36411000	2000	1	5.48E-08	-1.5589393	26	1.3	Brwd1	
DMR11:38118001	11	38118001	38119000	1000	1	2.50E-06	1.905986	4	0.4		
DMR11:38231001	11	38231001	38232000	1000	1	9.17E-06	1.4067165	11	1.1		
DMR11:41051001	11	41051001	41052000	1000	1	4.98E-06	1.0977421	5	0.5		
DMR11:43074001	11	43074001	43075000	1000	1	7.84E-06	1.75889	4	0.4	Gabbr3	Receptor
DMR11:44492001	11	44492001	44494000	2000	1	7.98E-06	1.5241675	14	0.7	AABR07033921.1	
DMR11:46524001	11	46524001	46525000	1000	1	6.34E-06	1.6294005	5	0.5		
DMR11:49124001	11	49124001	49125000	1000	1	9.28E-06	1.8616999	5	0.5		
DMR11:51588001	11	51588001	51590000	2000	1	1.04E-06	2.5216168	13	0.65		
DMR11:52935001	11	52935001	52936000	1000	1	2.60E-06	1.761009	12	1.2		
DMR11:54838001	11	54838001	54839000	1000	1	3.08E-06	1.6141305	2	0.2	Morc1;AABR07034131.1	
DMR11:55073001	11	55073001	55074000	1000	1	2.21E-06	1.1797243	6	0.6	RF00001	
DMR11:56692001	11	56692001	56693000	1000	1	1.68E-06	1.7166412	4	0.4		
DMR11:60028001	11	60028001	60029000	1000	1	8.51E-06	-1.6972669	11	1.1		
DMR11:60039001	11	60039001	60040000	1000	1	2.04E-07	2.3957669	4	0.4	AC108574.1	
DMR11:60085001	11	60085001	60086000	1000	1	8.67E-06	1.8724041	6	0.6	Tagln3	Cytoskeleton
DMR11:62499001	11	62499001	62501000	2000	1	2.80E-06	1.8906964	6	0.3	Gramd1c	
DMR11:63025001	11	63025001	63026000	1000	1	9.78E-07	1.4250344	3	0.3		
DMR11:64309001	11	64309001	64310000	1000	1	2.35E-07	1.4944803	9	0.9	Igsf11	Extracellular Matrix
DMR11:65811001	11	65811001	65813000	2000	1	1.30E-06	1.777755	28	1.4	Fstl1	Signaling
DMR11:66743001	11	66743001	66744000	1000	1	8.12E-07	1.6908378	6	0.6	Hcls1	Transcription
DMR11:66880001	11	66880001	66881000	1000	1	7.00E-07	1.9409034	5	0.5	Iqcb1;Eaf2	
DMR11:67350001	11	67350001	67352000	2000	1	6.61E-07	1.6535215	17	0.85	RF00026	
DMR11:70226001	11	70226001	70227000	1000	1	6.76E-06	1.9890294	22	2.2	Heg1	
DMR11:70800001	11	70800001	70801000	1000	1	5.56E-06	1.3443877	15	1.5	Osbpl11	Binding Protein
DMR11:77929001	11	77929001	77932000	3000	1	9.84E-06	1.9211205	28	0.933		
DMR11:79837001	11	79837001	79839000	2000	1	1.13E-06	1.6816122	15	0.75		
DMR11:80170001	11	80170001	80172000	2000	1	2.75E-06	1.6546983	20	1		
DMR11:80623001	11	80623001	80624000	1000	1	8.13E-07	1.6698466	1	0.1	AABR07034598.1	
DMR11:81832001	11	81832001	81834000	2000	1	1.21E-06	1.5816757	25	1.25		
DMR11:82269001	11	82269001	82270000	1000	1	1.75E-06	-1.3709491	20	2		
DMR11:84501001	11	84501001	84502000	1000	1	9.97E-06	-1.2708338	10	1	Yeats2;Cyp2ab1	Transcription
DMR11:84726001	11	84726001	84728000	2000	1	8.64E-06	1.327297	13	0.65		
DMR11:86058001	11	86058001	86059000	1000	1	2.97E-06	2.0586951	4	0.4		
DMR11:86240001	11	86240001	86242000	2000	2	5.59E-06	1.4506852	8	0.4	Hira	Transcription
DMR11:86269001	11	86269001	86271000	2000	1	5.78E-06	1.7908316	9	0.45	Hira;Mrpl40	Transcription;Translation
DMR11:87336001	11	87336001	87338000	2000	1	5.51E-06	1.7414835	13	0.65	AABR07034750.1	
DMR11:87702001	11	87702001	87704000	2000	1	8.14E-06	1.9383045	13	0.65	Khl22	
DMR12:5852001	12	5852001	5853000	1000	1	2.97E-06	-1.4171866	24	2.4		

DMR12:6011001	12	6011001	6012000	1000	1	7.17E-06	1.8190663	2	0.2	Rxfp2	Receptor
DMR12:9491001	12	9491001	9492000	1000		1.24E-07	1.8326029	13	1.3	Pdx1	Transcription
DMR12:10135001	12	10135001	10137000	2000	1	1.05E-06	2.0690847	28	1.4	AABR07035309.1	
DMR12:15646001	12	15646001	15647000	1000	1	8.06E-06	1.9573894	10	1		
DMR12:16229001	12	16229001	16231000	2000	1	1.69E-06	1.3476244	19	0.95	AC117065.1	
DMR12:16852001	12	16852001	16855000	3000	1	1.68E-07	1.9882406	25	0.833		
DMR12:17223001	12	17223001	17225000	2000	1	3.32E-06	1.7217347	24	1.2	LOC498152	
DMR12:18371001	12	18371001	18372000	1000	1	4.60E-06	1.846018	4	0.4		
DMR12:19181001	12	19181001	19182000	1000	1	2.79E-08	2.3541934	8	0.8		
DMR12:23643001	12	23643001	23646000	3000	1	2.54E-06	1.253536	43	1.433	Upk3bl1	
DMR12:29939001	12	29939001	29940000	1000	1	7.57E-08	1.9169254	8	0.8	Sbds;Tmem248	Transcription
DMR12:30635001	12	30635001	30636000	1000	1	6.29E-06	1.7867245	6	0.6	AABR07036016.1	
DMR12:31762001	12	31762001	31763000	1000	1	9.15E-09	2.1475602	25	2.5	Fzd10	
DMR12:32230001	12	32230001	32232000	2000	1	2.09E-07	1.894773	15	0.75	Tmem132d	Unknown
DMR12:33501001	12	33501001	33503000	2000	1	4.84E-07	1.9970928	12	0.6		
DMR12:33979001	12	33979001	33980000	1000	1	4.45E-06	1.3098971	5	0.5		
DMR12:36763001	12	36763001	36765000	2000	1	1.05E-06	2.0601312	34	1.7	Scarb1	Receptor
DMR12:37380001	12	37380001	37381000	1000	1	7.07E-06	1.4142533	14	1.4	Atp6v0a2	Metabolism
DMR12:41523001	12	41523001	41525000	2000	1	2.98E-06	1.4866593	40	2		
DMR12:41751001	12	41751001	41753000	2000	1	7.16E-06	1.2631225	23	1.15		
DMR12:43361001	12	43361001	43362000	1000	1	8.63E-07	2.0808035	40	4		
DMR12:44038001	12	44038001	44040000	2000	1	1.86E-06	1.6679147	23	1.15	Fbxw8	
DMR12:47481001	12	47481001	47483000	2000	1	1.71E-06	1.9698505	26	1.3	Oasl2	Metabolism
DMR12:52005001	12	52005001	52006000	1000	1	1.02E-06	1.9774912	6	0.6	Ep400	Epigenetic
DMR12:52263001	12	52263001	52265000	2000	1	4.28E-06	1.3817528	21	1.05		
DMR13:2841001	13	2841001	2842000	1000	1	7.60E-06	-1.1293219	10	1	RF00100	
DMR13:3611001	13	3611001	3613000	2000	1	2.47E-06	1.7727696	14	0.7		
DMR13:4571001	13	4571001	4572000	1000	1	5.83E-07	1.5611958	12	1.2		
DMR13:4804001	13	4804001	4805000	1000	1	2.02E-06	1.5497838	2	0.2		
DMR13:6658001	13	6658001	6659000	1000	1	3.52E-06	1.9415928	2	0.2	RF00560	
DMR13:10026001	13	10026001	10027000	1000	1	3.78E-06	1.8064494	3	0.3		
DMR13:11514001	13	11514001	11515000	1000	1	1.37E-06	1.2611325	8	0.8		
DMR13:14845001	13	14845001	14846000	1000	1	2.42E-06	1.7876559	3	0.3	LOC304725	
DMR13:17424001	13	17424001	17426000	2000	1	3.52E-06	1.6630701	9	0.45		
DMR13:26463001	13	26463001	26464000	1000	1	4.21E-09	1.9551708	12	1.2	LOC103690041	
DMR13:26752001	13	26752001	26754000	2000	1	6.07E-06	1.8225636	12	0.6	Bcl2	Signaling
DMR13:29119001	13	29119001	29121000	2000	1	6.23E-06	1.8521107	4	0.2		
DMR13:31287001	13	31287001	31288000	1000	1	7.63E-06	1.3045979	3	0.3		
DMR13:34703001	13	34703001	34704000	1000	1	6.99E-06	1.495541	5	0.5		
DMR13:34986001	13	34986001	34989000	3000	1	8.73E-06	1.5428338	40	1.333	Gli2	Transcription
DMR13:35208001	13	35208001	35209000	1000	1	7.07E-06	2.2329951	11	1.1		
DMR13:36588001	13	36588001	36590000	2000	1	3.39E-06	2.0833105	25	1.25		
DMR13:37138001	13	37138001	37140000	2000	1	6.22E-06	1.5895084	22	1.1	AABR07020736.1	
DMR13:37268001	13	37268001	37269000	1000	1	6.32E-06	1.9014047	4	0.4	Insig2	Unknown
DMR13:37560001	13	37560001	37561000	1000	1	3.29E-06	1.8458857	4	0.4		
DMR13:40176001	13	40176001	40178000	2000	1	9.50E-07	2.0101557	8	0.4		
DMR13:40656001	13	40656001	40657000	1000	1	1.36E-06	1.7313848	5	0.5		
DMR13:40671001	13	40671001	40672000	1000	1	3.22E-06	1.7581856	2	0.2		
DMR13:41932001	13	41932001	41934000	2000	1	7.47E-06	1.7103783	24	1.2	Slc35f5	Binding Protein
DMR13:42581001	13	42581001	42582000	1000	1	3.27E-07	1.6917548	3	0.3	Nckap5	
DMR13:42808001	13	42808001	42811000	3000	1	6.40E-06	1.8886501	17	0.567	Nckap5	
DMR13:42878001	13	42878001	42879000	1000	1	4.37E-06	2.2025809	12	1.2	Nckap5	
DMR13:45245001	13	45245001	45247000	2000	1	4.81E-06	1.5372289	13	0.65		
DMR13:47681001	13	47681001	47682000	1000	1	3.79E-06	1.8611048	11	1.1		
DMR13:48750001	13	48750001	48751000	1000	1	9.52E-07	1.4356467	10	1	Slc45a3	Metabolism
DMR13:50287001	13	50287001	50288000	1000	1	6.66E-06	1.1105629	11	1.1		
DMR13:52796001	13	52796001	52798000	2000	1	3.66E-06	1.7047492	26	1.3	Igfn1	Extracellular Matrix
DMR13:52910001	13	52910001	52911000	1000	1	7.19E-06	1.641798	11	1.1	Cacna1s	Transport
DMR13:54211001	13	54211001	54213000	2000	1	9.27E-06	1.7759726	12	0.6		
DMR13:57077001	13	57077001	57079000	2000	1	7.31E-06	1.874731	14	0.7	Cfh	Immune
DMR13:65319001	13	65319001	65320000	1000	1	5.35E-06	1.8361747	0	0		

DMR13:65838001	13	65838001	65839000	1000	1	3.56E-07	1.7878295	3	0.3		
DMR13:68214001	13	68214001	68216000	2000	1	2.94E-06	1.288342	15	0.75	Hmcn1	Immune
DMR13:68499001	13	68499001	68501000	2000	1	2.93E-06	2.0893057	6	0.3		
DMR13:69861001	13	69861001	69864000	3000	1	8.01E-06	1.7491516	58	1.933	Colgalt2	
DMR13:71226001	13	71226001	71228000	2000	1	5.31E-06	1.7246326	9	0.45	Rgs11	
DMR13:71874001	13	71874001	71875000	1000	1	6.56E-06	2.9277436	3	0.3		
DMR13:71983001	13	71983001	71984000	1000	1	3.58E-06	1.6791278	7	0.7	Cacna1e	Transport
DMR13:72657001	13	72657001	72659000	2000	1	4.56E-06	1.3058985	25	1.25		
DMR13:72846001	13	72846001	72847000	1000	1	8.18E-06	1.3764681	12	1.2	Stx6	Transport
DMR13:74425001	13	74425001	74428000	3000	1	2.56E-06	1.6598759	33	1.1	Angptl1;Ralgps2	Growth Factors & Cytokines;Signaling
DMR13:75282001	13	75282001	75283000	1000	1	5.13E-06	1.7324015	6	0.6		
DMR13:75310001	13	75310001	75311000	1000	1	8.74E-06	1.2719298	10	1	AABR07021508.2	
DMR13:75964001	13	75964001	75965000	1000	1	1.51E-06	1.8196947	9	0.9	Brinp2	
DMR13:78223001	13	78223001	78224000	1000	1	4.16E-06	1.6093207	11	1.1	Rabgap1l	Signaling
DMR13:78277001	13	78277001	78278000	1000	1	7.51E-06	1.5128412	3	0.3	Rabgap1l	Signaling
DMR13:80084001	13	80084001	80085000	1000	1	2.21E-06	1.2868901	7	0.7	Dnm3;RF00560	Cytoskeleton
DMR13:83351001	13	83351001	83352000	1000	1	6.15E-07	1.7617825	6	0.6		
DMR13:88852001	13	88852001	88853000	1000	1	5.87E-06	1.64401	4	0.4	LOC100361087	
DMR13:89634001	13	89634001	89635000	1000	1	3.85E-06	1.6467086	11	1.1	Adamts4;B4galt3	Proteolysis;Metabolism
DMR13:93271001	13	93271001	93273000	2000	1	4.95E-07	2.0435701	14	0.7	Rgs7	Signaling
DMR13:93321001	13	93321001	93322000	1000	1	3.20E-06	1.4119017	4	0.4		
DMR13:94431001	13	94431001	94432000	1000	1	8.39E-06	1.838327	10	1		
DMR13:95351001	13	95351001	95352000	1000	1	1.73E-06	1.6715971	3	0.3	Akt3	Signaling
DMR13:95675001	13	95675001	95676000	1000	1	2.00E-06	1.9277232	6	0.6		
DMR13:97638001	13	97638001	97639000	1000	1	3.71E-06	1.2836492	8	0.8	LOC108348143	
DMR13:99145001	13	99145001	99146000	1000	1	5.49E-06	1.6454676	9	0.9	Sde2	
DMR13:99578001	13	99578001	99580000	2000	1	9.60E-07	2.4271752	18	0.9		
DMR13:99711001	13	99711001	99712000	1000	1	4.02E-08	1.9323861	8	0.8	Cnih3	Signaling
DMR13:104410001	13	104410001	104412000	2000	1	8.95E-06	-1.3595105	25	1.25		
DMR13:105082001	13	105082001	105083000	1000	1	6.31E-07	1.4553014	8	0.8	Tgfb2	Growth Factors & Cytokines
DMR13:106242001	13	106242001	106243000	1000	1	9.38E-07	1.8413178	6	0.6		
DMR13:107527001	13	107527001	107528000	1000	1	9.38E-06	1.6993511	18	1.8		
DMR13:108007001	13	108007001	108009000	2000	1	3.32E-06	1.5119881	19	0.95		
DMR13:109136001	13	109136001	109137000	1000	1	5.79E-06	1.342358	11	1.1		
DMR13:109711001	13	109711001	109713000	2000	1	1.87E-07	1.675105	42	2.1	Batf3	Transcription
DMR13:109965001	13	109965001	109966000	1000	1	9.83E-06	1.6451346	4	0.4		
DMR13:112140001	13	112140001	112142000	2000	1	8.99E-06	1.6897843	25	1.25		
DMR13:112814001	13	112814001	112816000	2000	1	2.21E-07	1.896221	7	0.35		
DMR13:113679001	13	113679001	113680000	1000	1	9.88E-07	1.8274856	7	0.7		
DMR13:113804001	13	113804001	113805000	1000	1	5.75E-06	-1.2667763	8	0.8	Cd46	Immune
DMR14:1992001	14	1992001	1993000	1000	1	1.68E-07	1.607933	4	0.4	Rnf212	
DMR14:3145001	14	3145001	3148000	3000	1	3.00E-06	1.8834219	31	1.033	Rpap2	
DMR14:3804001	14	3804001	3805000	1000	1	1.33E-06	1.9085052	11	1.1		
DMR14:8080001	14	8080001	8082000	2000	1	8.68E-06	1.4645956	31	1.55	Mapk10;AABR07014301.3	Signaling
DMR14:8432001	14	8432001	8433000	1000	1	7.82E-08	1.8569407	27	2.7	Arhgap24;AC141145.1	Unknown
DMR14:8913001	14	8913001	8914000	1000	1	4.28E-06	1.5433282	7	0.7	AABR07014306.1	
DMR14:9826001	14	9826001	9827000	1000	1	7.75E-06	1.6580028	5	0.5		
DMR14:10187001	14	10187001	10189000	2000	1	5.73E-07	1.9334401	25	1.25		
DMR14:11661001	14	11661001	11662000	1000	1	3.18E-06	1.2771983	7	0.7		
DMR14:11834001	14	11834001	11837000	3000	1	1.26E-06	1.9248805	34	1.133		
DMR14:12031001	14	12031001	12033000	2000	1	2.54E-06	1.8354103	22	1.1	Rasgef1b	Signaling
DMR14:12296001	14	12296001	12297000	1000	1	2.36E-06	1.8060926	7	0.7	Prkg2	Signaling
DMR14:12440001	14	12440001	12442000	2000	1	4.14E-06	1.6003018	19	0.95		
DMR14:12653001	14	12653001	12655000	2000	1	1.15E-06	1.4009001	16	0.8		
DMR14:12825001	14	12825001	12826000	1000	1	7.14E-06	1.5368348	8	0.8		
DMR14:13062001	14	13062001	13063000	1000	1	1.75E-06	2.1054017	6	0.6	Prdm8	
DMR14:13963001	14	13963001	13965000	2000	1	5.99E-06	-1.505331	31	1.55		
DMR14:16402001	14	16402001	16403000	1000	1	2.85E-06	2.1192542	5	0.5		Growth Factors & Cytokines

DMR14:16776001	14	16776001	16777000	1000	1	9.42E-07	1.820392	21	2.1	Shroom3	Cytoskeleton
DMR14:17315001	14	17315001	17316000	1000	1	7.85E-06	1.5718883	13	1.3	Ppef2	Signaling
DMR14:17425001	14	17425001	17426000	1000	1	2.35E-06	1.674526	7	0.7	Uso1	Golgi
DMR14:17504001	14	17504001	17505000	1000	1	1.22E-06	3.2275437	23	2.3	G3bp2	Signaling
DMR14:19034001	14	19034001	19035000	1000	1	2.89E-06	2.2087741	14	1.4	Rassf6;LOC360919	Signaling
DMR14:20119001	14	20119001	20120000	1000	1	7.12E-07	-1.3994018	22	2.2		
DMR14:22112001	14	22112001	22114000	2000	1	2.74E-06	1.75929	9	0.45	Sult1d1	Metabolism
DMR14:27419001	14	27419001	27420000	1000	1	7.81E-06	1.6676563	3	0.3		
DMR14:29680001	14	29680001	29681000	1000	1	9.03E-06	1.6760388	4	0.4		
DMR14:35015001	14	35015001	35016000	1000	1	6.09E-06	1.41206	4	0.4		
DMR14:35763001	14	35763001	35764000	1000	1	4.62E-06	1.3805846	10	1	AABR07014882.1	
DMR14:36264001	14	36264001	36268000	4000	1	6.88E-06	1.7755082	29	0.725	Scfd2	Unknown
DMR14:37789001	14	37789001	37790000	1000	1	5.51E-07	1.6603786	8	0.8		
DMR14:42151001	14	42151001	42152000	1000	1	8.44E-06	1.7548227	7	0.7	Atp8a1	Metabolism
DMR14:43482001	14	43482001	43483000	1000	1	8.55E-07	1.4415073	8	0.8		
DMR14:43994001	14	43994001	43995000	1000	1	3.01E-06	1.5921985	5	0.5	Rhoh	Signaling
DMR14:45596001	14	45596001	45597000	1000	1	5.42E-06	1.8362913	6	0.6	Tbc1d1	Signaling
DMR14:52493001	14	52493001	52494000	1000	1	1.28E-06	1.8862967	3	0.3	RF00560	
DMR14:54878001	14	54878001	54879000	1000	1	7.93E-06	1.3772281	6	0.6		
DMR14:58862001	14	58862001	58863000	1000	1	1.30E-06	1.4058297	0	0		
DMR14:61349001	14	61349001	61350000	1000	1	8.24E-08	1.7682545	8	0.8		
DMR14:64499001	14	64499001	64500000	1000	1	6.16E-09	1.9512169	4	0.4	Gba3;AABR07015582.1	Metabolism
DMR14:73135001	14	73135001	73136000	1000	1	4.05E-07	1.3528892	8	0.8		
DMR14:73701001	14	73701001	73703000	2000	1	4.68E-06	1.7201242	9	0.45		
DMR14:74875001	14	74875001	74876000	1000	1	6.91E-06	1.5622174	7	0.7		
DMR14:77660001	14	77660001	77662000	2000	1	7.75E-06	1.4104816	26	1.3	AABR07015800.1;AABR07015800.2	
DMR14:78981001	14	78981001	78983000	2000	1	4.68E-06	1.672253	17	0.85	AC111885.1;Mrfap1	Unknown
DMR14:80068001	14	80068001	80069000	1000	1	7.99E-06	1.7959613	9	0.9	Ablim2	Cytoskeleton
DMR14:81463001	14	81463001	81464000	1000	1	6.41E-06	1.9256008	4	0.4	Sh3bp2;RF00003	Translation
DMR14:82249001	14	82249001	82251000	2000	1	2.63E-06	1.2258914	23	1.15	Letm1	Signaling
DMR14:85365001	14	85365001	85366000	1000	1	2.14E-06	1.5812725	9	0.9	Rhbdd3;Emid1	Extracellular Matrix
DMR14:85578001	14	85578001	85580000	2000	1	6.98E-07	1.7552052	19	0.95		
DMR14:87744001	14	87744001	87746000	2000	1	1.25E-06	1.9968161	17	0.85		
DMR14:90007001	14	90007001	90008000	1000	1	4.65E-06	2.112417	5	0.5		
DMR14:91836001	14	91836001	91839000	3000	1	4.33E-06	1.5643546	44	1.467	Ikzf1	Transcription
DMR14:93448001	14	93448001	93449000	1000	1	1.70E-08	2.4227604	3	0.3		
DMR14:93640001	14	93640001	93641000	1000	1	9.08E-06	1.8290865	7	0.7		
DMR14:97672001	14	97672001	97673000	1000	1	7.63E-06	1.4157919	2	0.2		
DMR14:98546001	14	98546001	98547000	1000	1	5.86E-06	1.3724215	5	0.5		
DMR14:100415001	14	100415001	100416000	1000	1	1.54E-06	1.7796237	51	5.1	C1d	Transcription
DMR14:109674001	14	109674001	109675000	1000	1	3.64E-06	1.4191118	13	1.3		
DMR14:111539001	14	111539001	111540000	1000	1	3.57E-06	1.5473145	5	0.5		
DMR14:111707001	14	111707001	111708000	1000	1	2.67E-07	1.481024	4	0.4		
DMR14:111745001	14	111745001	111747000	2000	1	6.04E-06	1.6744767	7	0.35		
DMR14:115413001	14	115413001	115414000	1000	1	3.69E-06	1.6856781	8	0.8	Asb3;RF00100	
DMR15:597001	15	597001	598000	1000	1	5.09E-06	1.6291198	0	0	Kcnma1	Metabolism
DMR15:1441001	15	1441001	1442000	1000	1	4.58E-06	1.604852	1	0.1		
DMR15:1550001	15	1550001	1551000	1000	1	4.62E-06	1.9198333	9	0.9	AABR07016845.1	
DMR15:1569001	15	1569001	1570000	1000	1	5.21E-08	2.0486376	4	0.4	AABR07016845.1	
DMR15:7348001	15	7348001	7349000	1000	1	6.51E-06	1.9859451	3	0.3		
DMR15:8918001	15	8918001	8921000	3000	1	5.81E-06	1.2281225	33	1.1	Thrb	
DMR15:9472001	15	9472001	9473000	1000	1	7.69E-07	1.5912893	4	0.4		
DMR15:9826001	15	9826001	9827000	1000	1	3.53E-06	1.8759554	5	0.5		
DMR15:14025001	15	14025001	14026000	1000	1	5.68E-06	1.8684258	6	0.6	AABR07017159.1	
DMR15:14945001	15	14945001	14951000	6000	1	4.17E-07	2.1126436	64	1.067		
DMR15:15230001	15	15230001	15231000	1000	1	9.97E-06	1.356426	11	1.1		
DMR15:15977001	15	15977001	15978000	1000	1	1.59E-06	1.9067621	10	1		
DMR15:16951001	15	16951001	16953000	2000	1	8.22E-06	1.4434289	16	0.8		
DMR15:17390001	15	17390001	17391000	1000	1	2.54E-06	1.5603411	5	0.5		
DMR15:17576001	15	17576001	17578000	2000	1	1.17E-07	1.9489519	8	0.4		

DMR15:23261001	15	23261001	23262000	1000	1	3.94E-06	1.6916317	4	0.4		
DMR15:26006001	15	26006001	26007000	1000	1	3.09E-07	1.4906848	13	1.3		
DMR15:30168001	15	30168001	30170000	2000	1	6.71E-08	1.5161391	12	0.6	AABR07017693.1;LOC68834	
DMR15:33534001	15	33534001	33536000	2000	1	5.29E-06	1.7267088	26	1.3	Homez;Ppp1r3e;Bcl2l2	Development;Signaling
DMR15:34481001	15	34481001	34483000	2000	1	4.04E-06	1.7754004	28	1.4	Ripk3	Signaling
DMR15:42943001	15	42943001	42945000	2000	1	2.68E-09	1.5287647	18	0.9	Ptk2b	Signaling
DMR15:48691001	15	48691001	48692000	1000	1	9.77E-07	2.039374	8	0.8	Fbxo16	Unknown
DMR15:49088001	15	49088001	49089000	1000	1	6.45E-06	1.666712	8	0.8	Scara5	Unknown
DMR15:50664001	15	50664001	50666000	2000	1	4.31E-06	1.9104634	15	0.75		
DMR15:51020001	15	51020001	51023000	3000	1	2.14E-06	1.8689104	13	0.433		
DMR15:53365001	15	53365001	53366000	1000	1	4.95E-06	2.3384355	3	0.3		
DMR15:53413001	15	53413001	53414000	1000	1	3.64E-07	1.6860011	3	0.3		
DMR15:57313001	15	57313001	57316000	3000	1	1.63E-06	1.9500536	39	1.3	Cpb2;RF00026	Protease
DMR15:59097001	15	59097001	59099000	2000	1	6.51E-06	1.411535	15	0.75		
DMR15:60980001	15	60980001	60981000	1000	1	4.10E-06	1.4853987	14	1.4		
DMR15:63056001	15	63056001	63057000	1000	1	6.35E-07	1.7842515	1	0.1		
DMR15:66043001	15	66043001	66044000	1000	1	6.69E-06	1.4426735	5	0.5		
DMR15:66319001	15	66319001	66320000	1000	1	9.47E-06	1.3984193	3	0.3		
DMR15:69580001	15	69580001	69581000	1000	1	2.05E-06	2.4921046	15	1.5	RF00026	
DMR15:74431001	15	74431001	74432000	1000	1	9.59E-06	1.4785321	4	0.4		
DMR15:77569001	15	77569001	77572000	3000	1	4.77E-06	1.9132744	17	0.567		
DMR15:80504001	15	80504001	80505000	1000	1	3.71E-06	1.5596488	6	0.6	Klhl1	Cytoskeleton
DMR15:86308001	15	86308001	86309000	1000	1	9.47E-06	1.1001306	17	1.7	Lmo7	Cytoskeleton
DMR15:88124001	15	88124001	88125000	1000	1	4.01E-06	1.4235223	5	0.5	Mycbp2	Metabolism
DMR15:88898001	15	88898001	88900000	2000	1	8.46E-06	1.5209817	8	0.4	Mycbp2	Metabolism
DMR15:99376001	15	99376001	99377000	1000	1	7.38E-07	1.8289419	4	0.4		
DMR15:99500001	15	99500001	99502000	2000	1	9.92E-06	1.9464135	16	0.8		
DMR15:106463001	15	106463001	106464000	1000	1	7.70E-06	1.6189124	8	0.8	Farp1	Signaling
DMR15:107757001	15	107757001	107759000	2000	1	7.78E-06	-1.113525	12	0.6		
DMR15:109805001	15	109805001	109806000	1000	1	7.13E-07	1.5119128	3	0.3	Nalcn	Transport
DMR15:110410001	15	110410001	110411000	1000	1	9.38E-06	1.3278286	7	0.7	Fgf14	
DMR16:319001	16	319001	320000	1000	1	1.61E-06	2.0114393	6	0.6	AABR07024444.1	
DMR16:1179001	16	1179001	1181000	2000	1	3.73E-06	2.1950767	7	0.35		
DMR16:1562001	16	1562001	1563000	1000	1	3.00E-06	1.5630349	8	0.8		
DMR16:2017001	16	2017001	2020000	3000	1	5.25E-06	1.5843831	36	1.2	Zcchc24	
DMR16:2110001	16	2110001	2111000	1000	1	1.01E-07	1.4053331	4	0.4	Slmap	Protein Binding
DMR16:3491001	16	3491001	3492000	1000	1	5.54E-06	2.0962754	7	0.7	Erc2	Cytoskeleton
DMR16:4572001	16	4572001	4573000	1000	1	3.98E-06	1.2722686	4	0.4		
DMR16:5096001	16	5096001	5097000	1000	1	6.32E-06	1.9048921	2	0.2	Cacna2d3;LOC102547963	Transport;Receptor
DMR16:7045001	16	7045001	7047000	2000	1	2.02E-07	1.5461799	14	0.7	Nek4	Signaling
DMR16:8274001	16	8274001	8275000	1000	1	2.42E-06	2.2349841	6	0.6	Msemb	
DMR16:8567001	16	8567001	8568000	1000	1	3.44E-07	2.1190369	5	0.5	LOC680885;Chat	Metabolism
DMR16:15952001	16	15952001	15953000	1000	1	5.22E-06	1.6932304	8	0.8		
DMR16:20097001	16	20097001	20100000	3000	1	4.87E-06	1.5654333	46	1.533	Unc13a;AABR07024869.1;Ja k3	Receptor;Signaling
DMR16:28730001	16	28730001	28731000	1000	1	2.70E-06	2.0940798	2	0.2		
DMR16:28790001	16	28790001	28791000	1000	1	4.21E-06	1.3342069	6	0.6		
DMR16:33287001	16	33287001	33288000	1000	1	1.06E-06	1.8256916	5	0.5		
DMR16:33940001	16	33940001	33941000	1000	1	5.93E-06	1.5630196	5	0.5	AABR07025328.1	
DMR16:35507001	16	35507001	35509000	2000	1	1.93E-06	2.3246715	6	0.3		
DMR16:36458001	16	36458001	36459000	1000	1	4.32E-06	1.9449755	4	0.4		
DMR16:39491001	16	39491001	39492000	1000	1	2.87E-06	1.8333364	2	0.2	Gpm6a	Cytoskeleton
DMR16:39858001	16	39858001	39859000	1000	1	3.91E-06	1.8550395	4	0.4	Wdr17	
DMR16:41092001	16	41092001	41093000	1000	1	3.89E-06	1.6384022	3	0.3	Neil3	DNA Repair
DMR16:44062001	16	44062001	44064000	2000	1	5.38E-06	1.6696842	16	0.8		
DMR16:44443001	16	44443001	44444000	1000	1	2.95E-06	1.5525508	5	0.5		
DMR16:45034001	16	45034001	45035000	1000	1	1.20E-06	1.9663787	6	0.6		
DMR16:45488001	16	45488001	45492000	4000	1	1.00E-05	1.6782694	38	0.95		
DMR16:46008001	16	46008001	46009000	1000	1	1.87E-06	1.2029987	6	0.6		
DMR16:46510001	16	46510001	46512000	2000	1	1.01E-06	2.5314414	23	1.15		

DMR16:50031001	16	50031001	50032000	1000	1	3.97E-07	1.5422646	5	0.5	Tlr3	Receptor
DMR16:53850001	16	53850001	53852000	2000	1	9.60E-06	1.9964455	34	1.7		
DMR16:55010001	16	55010001	55012000	2000	1	9.82E-06	1.2561509	11	0.55	Zdhc2	Transcription
DMR16:55395001	16	55395001	55396000	1000	1	7.53E-06	1.6210606	2	0.2		
DMR16:60193001	16	60193001	60195000	2000	1	9.68E-06	1.4344684	25	1.25	Mfhas1	Unknown
DMR16:60197001	16	60197001	60199000	2000	1	7.71E-06	1.5199381	23	1.15	Mfhas1	Unknown
DMR16:63000001	16	63000001	63004000	4000	1	2.07E-08	1.679371	29	0.725		
DMR16:63958001	16	63958001	63959000	1000	1	2.72E-07	2.0318766	24	2.4	Nrg1	Signaling
DMR16:67138001	16	67138001	67141000	3000	1	6.00E-06	1.1693321	27	0.9	RF00204	
DMR16:68147001	16	68147001	68148000	1000	1	7.46E-06	1.488798	9	0.9		
DMR16:69566001	16	69566001	69568000	2000	1	2.86E-06	1.9954074	19	0.95	AABR07026246.1	
DMR16:69590001	16	69590001	69591000	1000	1	9.31E-07	1.5365197	5	0.5		
DMR16:70537001	16	70537001	70539000	2000	1	4.55E-06	1.7805852	18	0.9		
DMR16:73296001	16	73296001	73298000	2000	1	1.56E-06	1.4316403	17	0.85		
DMR16:75296001	16	75296001	75298000	2000	1	5.09E-06	1.9649858	9	0.45	Defb1	Signaling
DMR16:76717001	16	76717001	76718000	1000	1	7.16E-06	1.2877648	4	0.4	AABR07026441.1	
DMR16:78616001	16	78616001	78617000	1000	1	5.12E-06	1.3864827	4	0.4	Csmd1	Signaling
DMR16:78950001	16	78950001	78951000	1000	1	7.84E-06	1.9153027	12	1.2		
DMR16:81000001	16	81000001	81002000	2000	1	5.81E-06	1.8614408	36	1.8	LOC103693999;Dcun1d2	Proteolysis
DMR16:81329001	16	81329001	81330000	1000	1	7.49E-06	1.432351	13	1.3	Rasa3	Signaling
DMR16:82868001	16	82868001	82869000	1000	1	8.58E-06	1.4543369	16	1.6		
DMR16:84912001	16	84912001	84914000	2000	1	9.23E-07	1.3911094	16	0.8	Myo16	Cytoskeleton
DMR16:85162001	16	85162001	85163000	1000	1	1.88E-06	1.7863791	9	0.9		
DMR16:85959001	16	85959001	85960000	1000	1	3.38E-06	2.1900489	7	0.7		
DMR16:86085001	16	86085001	86086000	1000	1	5.07E-06	-1.3051535	20	2		
DMR16:86302001	16	86302001	86304000	2000	1	3.35E-07	1.6718931	11	0.55		
DMR17:1484001	17	1484001	1485000	1000	1	4.60E-06	1.7165985	5	0.5		
DMR17:1947001	17	1947001	1948000	1000	1	3.16E-07	1.4537543	4	0.4	Cdk20	Signaling
DMR17:2176001	17	2176001	2179000	3000	1	4.12E-06	1.6178778	22	0.733	AABR07026805.2	
DMR17:3306001	17	3306001	3308000	2000	1	8.62E-06	1.6707181	24	1.2		
DMR17:5088001	17	5088001	5089000	1000	1	4.56E-11	1.7793201	17	1.7		
DMR17:6313001	17	6313001	6314000	1000	1	1.04E-06	2.0071112	5	0.5		
DMR17:7667001	17	7667001	7668000	1000	1	4.66E-06	1.3147443	4	0.4	Spock1	Cytoskeleton
DMR17:8012001	17	8012001	8013000	1000	1	4.27E-06	1.748305	8	0.8		
DMR17:8559001	17	8559001	8560000	1000	1	5.44E-06	1.4333614	9	0.9	Il9	
DMR17:10389001	17	10389001	10391000	2000	1	2.78E-06	1.6594163	27	1.35	Sncb	Protein Binding
DMR17:10576001	17	10576001	10578000	2000	1	1.53E-06	1.6664465	31	1.55	Arl10;AABR07027009.1;LOC306766	Signaling;Unknown
DMR17:13137001	17	13137001	13138000	1000	1	6.92E-06	1.6757337	4	0.4		
DMR17:16743001	17	16743001	16744000	1000	1	2.29E-06	1.9093238	10	1		
DMR17:16978001	17	16978001	16979000	1000	1	1.27E-06	1.564224	4	0.4	AABR07027155.1	
DMR17:17536001	17	17536001	17537000	1000	1	8.87E-06	-1.1932747	13	1.3		
DMR17:19914001	17	19914001	19915000	1000	1	3.54E-07	1.8298583	12	1.2		
DMR17:21455001	17	21455001	21460000	5000	1	1.47E-07	1.6635018	74	1.48	AABR07027258.1	
DMR17:21566001	17	21566001	21567000	1000	1	1.71E-06	1.2917051	14	1.4	Mak;Tmem14c	Signaling
DMR17:21845001	17	21845001	21846000	1000	1	2.18E-07	2.2141369	11	1.1	AABR07027263.1	
DMR17:24268001	17	24268001	24270000	2000	1	7.21E-06	1.2188753	30	1.5	Rnf182	
DMR17:25197001	17	25197001	25199000	2000	1	7.92E-06	1.6110458	14	0.7		
DMR17:26342001	17	26342001	26343000	1000	1	1.31E-06	2.2754885	4	0.4		
DMR17:28765001	17	28765001	28766000	1000	1	1.67E-06	1.757792	6	0.6		
DMR17:35626001	17	35626001	35628000	2000	1	2.49E-06	1.5382973	13	0.65		
DMR17:35719001	17	35719001	35720000	1000	1	1.97E-07	2.1250448	6	0.6		
DMR17:35969001	17	35969001	35970000	1000	1	9.55E-06	1.3611627	6	0.6		
DMR17:36655001	17	36655001	36656000	1000	1	8.10E-06	1.3358573	13	1.3	AABR07027567.1	
DMR17:37901001	17	37901001	37903000	2000	1	6.95E-06	1.704581	12	0.6	AABR07027581.1	
DMR17:40257001	17	40257001	40258000	1000	1	5.75E-06	1.7834	3	0.3		
DMR17:42309001	17	42309001	42310000	1000	1	2.01E-06	-1.1840706	13	1.3	Gmnn	
DMR17:42527001	17	42527001	42528000	1000	1	1.17E-06	1.7326574	7	0.7		
DMR17:45156001	17	45156001	45157000	1000	1	4.99E-06	1.6266432	5	0.5	RF00066;Zkscan4	
DMR17:46150001	17	46150001	46151000	1000	1	8.99E-07	1.7482159	6	0.6		
DMR17:51028001	17	51028001	51029000	1000	1	8.43E-06	1.7145895	5	0.5	RF00100	

DMR17:52179001	17	52179001	52180000	1000	1	3.76E-06	1.7734192	6	0.6		
DMR17:56442001	17	56442001	56444000	2000	1	5.65E-08	1.9072395	21	1.05		
DMR17:57426001	17	57426001	57428000	2000	1	7.43E-06	1.7758856	9	0.45		
DMR17:57697001	17	57697001	57698000	1000	1	8.55E-06	-1.1976507	7	0.7	RGD1564347;LOC291276	Metabolism
DMR17:60497001	17	60497001	60498000	1000	1	1.99E-06	-1.2604035	10	1		
DMR17:64030001	17	64030001	64031000	1000	1	6.09E-06	1.3851825	11	1.1		
DMR17:64168001	17	64168001	64170000	2000	1	5.97E-06	1.8850278	9	0.45		
DMR17:67385001	17	67385001	67386000	1000	1	6.33E-06	1.1628357	7	0.7		
DMR17:67397001	17	67397001	67400000	3000	1	4.03E-06	1.5592932	22	0.733		
DMR17:67638001	17	67638001	67639000	1000	1	1.24E-07	1.640951	5	0.5		
DMR17:69448001	17	69448001	69450000	2000	1	8.50E-06	1.2268678	6	0.3	Akr1c1	Metabolism
DMR17:70478001	17	70478001	70479000	1000	1	1.21E-08	2.0253163	10	1	Il15ra	Immune
DMR17:71934001	17	71934001	71935000	1000	1	6.70E-06	1.5691845	11	1.1		
DMR17:72528001	17	72528001	72529000	1000	1	2.34E-07	2.2928267	2	0.2		
DMR17:73562001	17	73562001	73563000	1000	1	6.51E-06	2.1554082	18	1.8		
DMR17:74766001	17	74766001	74767000	1000	1	8.22E-06	1.32679	7	0.7		
DMR17:75171001	17	75171001	75172000	1000	1	5.41E-06	1.6734324	9	0.9		
DMR17:76874001	17	76874001	76875000	1000	1	4.53E-06	1.494261	11	1.1	Camk1d	Signaling
DMR17:77043001	17	77043001	77044000	1000	1	5.97E-06	1.4344753	10	1	Ccdc3	Transcription
DMR17:77217001	17	77217001	77219000	2000	1	1.68E-06	-1.67994	14	0.7	Optn;Mcm10	Development
DMR17:78803001	17	78803001	78804000	1000	1	7.59E-06	1.7713722	5	0.5	Dclre1c;Mt1	
DMR17:80469001	17	80469001	80470000	1000	1	5.76E-06	1.8548996	7	0.7	Rsu1	Signaling
DMR17:82272001	17	82272001	82273000	1000	1	4.97E-07	2.323165	4	0.4		
DMR17:83786001	17	83786001	83787000	1000	1	3.86E-07	1.9270079	2	0.2		
DMR17:85069001	17	85069001	85070000	1000	1	5.78E-06	1.5693839	5	0.5	Dnajc1	Protein Binding
DMR17:85321001	17	85321001	85323000	2000	1	3.50E-06	1.6733604	32	1.6	RF00419	
DMR17:86794001	17	86794001	86795000	1000	1	1.85E-06	-1.8045218	8	0.8		
DMR17:87120001	17	87120001	87121000	1000	1	2.79E-06	1.4858658	4	0.4		
DMR17:88259001	17	88259001	88261000	2000	1	7.04E-06	1.2101034	28	1.4	Gpr158	Receptor
DMR18:5295001	18	5295001	5296000	1000	1	9.01E-06	1.5596693	6	0.6	Zfp521	
DMR18:5312001	18	5312001	5313000	1000	1	4.18E-06	2.1820848	22	2.2	Zfp521	
DMR18:6339001	18	6339001	6340000	1000	1	1.35E-07	1.9423439	8	0.8		
DMR18:6447001	18	6447001	6448000	1000	1	9.44E-06	1.3620464	6	0.6	Kctd1	Metabolism
DMR18:7270001	18	7270001	7271000	1000	1	5.91E-07	1.2340734	10	1		
DMR18:8698001	18	8698001	8699000	1000	1	8.69E-07	-1.6201434	9	0.9	RF00100	
DMR18:9081001	18	9081001	9083000	2000	1	2.31E-06	1.6835686	14	0.7		
DMR18:15072001	18	15072001	15073000	1000	1	9.49E-06	1.4724137	9	0.9	Mep1b	Protease
DMR18:15209001	18	15209001	15210000	1000	1	3.52E-06	1.6284901	6	0.6	Rnf125	Proteolysis
DMR18:15691001	18	15691001	15693000	2000	1	8.77E-06	-1.8547575	39	1.95	Dsg3	Extracellular Matrix
DMR18:17780001	18	17780001	17782000	2000	1	1.35E-06	1.5015014	25	1.25		
DMR18:17795001	18	17795001	17796000	1000	1	9.98E-07	1.7766728	5	0.5		
DMR18:18233001	18	18233001	18235000	2000	1	5.77E-06	1.5719484	3	0.15		
DMR18:18924001	18	18924001	18926000	2000	1	7.89E-06	1.3699773	6	0.3		
DMR18:20007001	18	20007001	20008000	1000	1	5.38E-06	2.095748	3	0.3		
DMR18:21003001	18	21003001	21004000	1000	1	4.34E-06	1.3092925	6	0.6		
DMR18:21649001	18	21649001	21650000	1000	1	4.81E-06	-1.599777	10	1		
DMR18:21685001	18	21685001	21686000	1000	1	6.04E-06	1.4208791	4	0.4		
DMR18:21801001	18	21801001	21802000	1000	1	4.77E-06	1.1537218	8	0.8		
DMR18:23500001	18	23500001	23501000	1000	1	5.63E-06	1.5026013	7	0.7		
DMR18:23717001	18	23717001	23719000	2000	1	2.43E-06	1.6210393	24	1.2	Rit2	Signaling
DMR18:23999001	18	23999001	2.40E+07	1000	1	8.80E-06	2.2394614	5	0.5	Rit2	Signaling
DMR18:24355001	18	24355001	24356000	1000	1	7.99E-07	1.6571114	5	0.5		
DMR18:26129001	18	26129001	26130000	1000	1	5.88E-06	1.8662456	2	0.2		
DMR18:27803001	18	27803001	27805000	2000	1	1.62E-06	1.5473843	19	0.95		
DMR18:32423001	18	32423001	32424000	1000	1	5.62E-06	1.5371481	5	0.5		
DMR18:43104001	18	43104001	43105000	1000	1	3.14E-07	1.3340473	6	0.6		
DMR18:43534001	18	43534001	43537000	3000	1	1.86E-06	1.456618	18	0.6		
DMR18:43615001	18	43615001	43616000	1000	1	4.24E-07	1.7319573	11	1.1		
DMR18:49183001	18	49183001	49184000	1000	1	1.43E-06	1.7017058	7	0.7		
DMR18:52239001	18	52239001	52240000	1000	1	2.66E-06	1.6646984	18	1.8	Megf10	Extracellular Matrix
DMR18:52513001	18	52513001	52514000	1000	1	1.54E-06	1.7177849	5	0.5		



DMR18:52714001	18	52714001	52715000	1000	1	7.88E-06	1.960392	4	0.4		
DMR18:53320001	18	53320001	53321000	1000	1	4.68E-06	2.0369401	3	0.3		
DMR18:54922001	18	54922001	54924000	2000	1	8.12E-06	1.3469171	21	1.05		
DMR18:55060001	18	55060001	55061000	1000	1	1.65E-06	1.5849252	3	0.3		
DMR18:57220001	18	57220001	57222000	2000	1	5.37E-06	2.0039661	13	0.65	Ablim3	Cytoskeleton
DMR18:57820001	18	57820001	57822000	2000	1	8.59E-06	1.1673087	18	0.9	Htr4;Fbxo38	Receptor;EST
DMR18:58079001	18	58079001	58080000	1000	1	2.50E-06	1.8039784	5	0.5	Spink13	Signaling
DMR18:60381001	18	60381001	60382000	1000	1	2.48E-06	1.4800246	4	0.4		
DMR18:61037001	18	61037001	61038000	1000	1	6.34E-06	1.5961849	7	0.7	Alpk2	Signaling
DMR18:61397001	18	61397001	61398000	1000	1	7.39E-06	1.3728388	9	0.9	Oacyl	
DMR18:61609001	18	61609001	61611000	2000	1	5.97E-06	1.2878049	23	1.15		
DMR18:62271001	18	62271001	62274000	3000	1	1.11E-06	1.5609064	27	0.9	RF00560	
DMR18:63838001	18	63838001	63839000	1000	1	4.77E-09	1.8462757	28	2.8	AABR07032393.1	
DMR18:68066001	18	68066001	68068000	2000	1	9.02E-06	2.015943	8	0.4		
DMR18:70943001	18	70943001	70945000	2000	1	1.07E-06	1.6220942	21	1.05		
DMR18:70950001	18	70950001	70951000	1000	1	8.31E-06	1.5039316	6	0.6	Slc25a6	Transport
DMR18:72259001	18	72259001	72260000	1000	1	9.85E-06	1.6190532	4	0.4	Zbtb7c	Transcription
DMR18:73185001	18	73185001	73186000	1000	1	1.54E-07	-2.0334863	19	1.9	Skor2	
DMR18:73464001	18	73464001	73466000	2000	1	8.70E-06	1.4619063	15	0.75	Pias2	Metabolism
DMR18:73783001	18	73783001	73784000	1000	1	7.35E-06	1.9881107	3	0.3	Loxhd1	
DMR18:75449001	18	75449001	75451000	2000	1	1.14E-06	1.6972501	27	1.35		
DMR18:79535001	18	79535001	79537000	2000	1	9.95E-06	1.9514015	19	0.95	Zfp236	Transcription
DMR18:79667001	18	79667001	79668000	1000	1	5.68E-06	1.487736	9	0.9	AABR07032750.1	
DMR18:81467001	18	81467001	81470000	3000	1	6.73E-06	1.3215245	40	1.333	Cndp1	Protease
DMR18:81553001	18	81553001	81554000	1000	1	8.00E-06	1.6360437	3	0.3		
DMR18:82010001	18	82010001	82011000	1000	1	2.14E-06	2.1688861	4	0.4		
DMR18:82550001	18	82550001	82552000	2000	1	2.45E-06	1.9748388	9	0.45		
DMR18:82941001	18	82941001	82942000	1000	1	9.88E-08	2.1366359	3	0.3		
DMR18:83931001	18	83931001	83933000	2000	1	4.52E-07	1.4416816	10	0.5		
DMR18:85508001	18	85508001	85509000	1000	1	3.11E-10	2.598841	6	0.6		
DMR18:86402001	18	86402001	86403000	1000	1	8.50E-09	3.4813882	8	0.8	Cd226	Immune
DMR19:1907001	19	1907001	1908000	1000	1	1.73E-07	1.8822053	6	0.6		
DMR19:2919001	19	2919001	2921000	2000	1	4.93E-06	1.2730893	7	0.35		
DMR19:3444001	19	3444001	3445000	1000	1	8.04E-06	2.0030421	2	0.2		
DMR19:5301001	19	5301001	5302000	1000	1	4.02E-06	2.0160041	1	0.1		
DMR19:7645001	19	7645001	7648000	3000	1	6.31E-06	1.4057359	23	0.767		
DMR19:9425001	19	9425001	9426000	1000	1	1.49E-06	2.6443268	1	0.1		
DMR19:11818001	19	11818001	11820000	2000	1	4.91E-07	1.5895976	17	0.85		
DMR19:12232001	19	12232001	12233000	1000	1	1.67E-06	1.7877539	5	0.5		
DMR19:13913001	19	13913001	13914000	1000	1	2.72E-06	1.4858173	8	0.8		
DMR19:18042001	19	18042001	18043000	1000	1	7.29E-08	1.6846921	14	1.4	AABR07043031.4;AABR07043031.3	
DMR19:20370001	19	20370001	20371000	1000	1	3.51E-07	1.6931193	14	1.4	Zfp423	Transcription
DMR19:22954001	19	22954001	22955000	1000	1	2.55E-06	2.0094211	1	0.1	RF01295	
DMR19:23211001	19	23211001	23212000	1000	1	3.75E-07	1.8268965	7	0.7		
DMR19:23642001	19	23642001	23643000	1000	1	6.66E-06	1.5911404	5	0.5		
DMR19:24340001	19	24340001	24341000	1000	1	3.67E-06	1.5562664	6	0.6	Tbc1d9	Signaling
DMR19:24742001	19	24742001	24743000	1000	1	1.55E-06	1.7070593	7	0.7	Tecr;Dnajb1	Cytoskeleton;Transcription
DMR19:27860001	19	27860001	27861000	1000	1	7.52E-06	1.1973936	6	0.6	LOC363337	EST
DMR19:31426001	19	31426001	31427000	1000	1	1.64E-08	1.9999326	7	0.7		
DMR19:32607001	19	32607001	32608000	1000	1	4.54E-06	1.3636895	19	1.9		
DMR19:34341001	19	34341001	34342000	1000	1	7.11E-06	1.4780528	13	1.3	Arhgap10	Signaling
DMR19:35063001	19	35063001	35065000	2000	1	3.17E-06	1.7116989	8	0.4		
DMR19:36032001	19	36032001	36033000	1000	1	1.45E-06	1.9534685	2	0.2		
DMR19:45596001	19	45596001	45599000	3000	1	7.70E-08	1.5780212	19	0.633		
DMR19:47549001	19	47549001	47550000	1000	1	1.16E-07	1.377918	9	0.9		
DMR19:49407001	19	49407001	49410000	3000	1	6.80E-06	1.77813	32	1.067	Cenpn	Cell Cycle
DMR19:49508001	19	49508001	49509000	1000	1	1.02E-06	1.7043759	20	2	AABR07043951.1;LOC68739	
DMR19:51576001	19	51576001	51577000	1000	1	8.80E-06	1.6064085	4	0.4	Cdh13	Extracellular Matrix

DMR19:52688001	19	52688001	52689000	1000	1	3.47E-06	1.3495137	15	1.5	Crispld2	
DMR19:53830001	19	53830001	53832000	2000	1	1.85E-06	1.5158906	44	2.2	AABR07044049.1	
DMR19:54218001	19	54218001	54219000	1000	1	7.15E-06	1.8549429	6	0.6	RGD1309651	
DMR19:54426001	19	54426001	54428000	2000	1	8.07E-06	1.2213901	27	1.35		
DMR19:54593001	19	54593001	54595000	2000	1	7.91E-06	1.6666752	34	1.7	Jph3	Cell Junction
DMR19:60617001	19	60617001	60620000	3000	1	7.15E-06	1.771472	25	0.833		
DMR19:60714001	19	60714001	60717000	3000	1	1.15E-06	2.04412	18	0.6		
DMR19:60999001	19	60999001	6.10E+07	1000	1	6.13E-06	1.5407571	7	0.7		
DMR19:61498001	19	61498001	61499000	1000	1	2.58E-06	1.8909001	4	0.4		
DMR19:61794001	19	61794001	61797000	3000	1	5.80E-06	1.7920323	14	0.467	LOC102555749	
DMR20:1312001	20	1312001	1314000	2000	1	8.13E-07	2.0782142	2	0.1	Olr1868	Receptor
DMR20:3166001	20	3166001	3167000	1000	1	2.58E-07	2.0270882	5	0.5	AABR07044362.3;RT1-S2;AABR07044362.5;AABR07044362.2;RT1-N3;AABR07044362.4;RT1-S3	Immune
DMR20:5668001	20	5668001	5669000	1000	1	4.23E-06	2.1789978	8	0.8	Itpr3	Signaling
DMR20:11914001	20	11914001	11915000	1000	1	5.13E-06	-1.2417938	12	1.2		
DMR20:12687001	20	12687001	12688000	1000	1	7.53E-06	1.5219284	5	0.5		
DMR20:14813001	20	14813001	14814000	1000	1	5.71E-06	1.7357416	19	1.9		
DMR20:17239001	20	17239001	17241000	2000	1	2.28E-06	1.9358742	7	0.35		
DMR20:20530001	20	20530001	20532000	2000	1	4.13E-06	1.9352122	33	1.65	AABR07044783.1	
DMR20:22971001	20	22971001	22972000	1000	1	7.70E-07	2.2895724	1	0.1	Reep3	Receptor
DMR20:24511001	20	24511001	24512000	1000	1	5.23E-06	1.8845211	2	0.2		
DMR20:25538001	20	25538001	25540000	2000	1	3.07E-06	1.8361014	10	0.5	AABR07044900.1	
DMR20:27900001	20	27900001	27901000	1000	1	1.64E-06	1.7255716	7	0.7		
DMR20:30857001	20	30857001	30859000	2000	1	4.40E-06	1.6047253	19	0.95	Adamts14	Protease
DMR20:32990001	20	32990001	32991000	1000	1	8.97E-06	1.9830435	6	0.6		
DMR20:33950001	20	33950001	33952000	2000	1	7.77E-06	1.7397309	30	1.5	Rsph4a	
DMR20:35813001	20	35813001	35814000	1000	1	1.69E-07	1.9770542	3	0.3		
DMR20:36555001	20	36555001	36556000	1000	1	2.15E-06	1.3165224	4	0.4		
DMR20:37432001	20	37432001	37433000	1000	1	2.91E-06	1.7259097	3	0.3		
DMR20:37797001	20	37797001	37798000	1000	1	1.77E-07	1.665299	3	0.3		
DMR20:37849001	20	37849001	37850000	1000	1	9.06E-06	1.7210316	7	0.7		
DMR20:42940001	20	42940001	42942000	2000	1	3.82E-07	1.6451464	16	0.8		
DMR20:44509001	20	44509001	44510000	1000	1	7.94E-07	1.8926179	10	1	Fyn	Transcription
DMR20:44833001	20	44833001	44834000	1000	1	8.71E-06	-1.6035725	7	0.7	Rev3l	Transcription
DMR20:51038001	20	51038001	51039000	1000	1	2.49E-06	1.3495215	7	0.7		
DMR20:56204001	20	56204001	56205956	1956	1	4.22E-06	1.783291	16	0.818	Cd99;AABR07045680.1	
DMRX:3670001	X	3670001	3671000	1000	1	8.02E-06	1.5386405	4	0.4		
DMRX:6416001	X	6416001	6417000	1000	1	1.72E-06	1.6121185	3	0.3		
DMRX:12069001	X	12069001	12070000	1000	1	1.29E-07	2.381746	4	0.4		
DMRX:14239001	X	14239001	14240000	1000	1	8.11E-08	1.7818862	6	0.6		
DMRX:17514001	X	17514001	17515000	1000	1	6.57E-06	1.408895	7	0.7		
DMRX:18416001	X	18416001	18417000	1000	1	3.98E-06	1.1830188	8	0.8		
DMRX:19146001	X	19146001	19148000	2000	1	1.95E-06	2.4057693	5	0.25	Foxr2	Transcription
DMRX:23182001	X	23182001	23183000	1000	1	6.61E-06	1.6259949	3	0.3	Alas2;AABR07037523.2	Metabolism
DMRX:30299001	X	30299001	30300000	1000	1	1.39E-06	-1.6939114	8	0.8		
DMRX:33490001	X	33490001	33491000	1000	1	5.18E-06	2.044178	6	0.6	Ctps2	Metabolism
DMRX:33513001	X	33513001	33514000	1000	1	8.60E-06	1.8252016	5	0.5	Ctps2	Metabolism
DMRX:34605001	X	34605001	34606000	1000	1	2.31E-06	1.3531825	8	0.8		
DMRX:36235001	X	36235001	36236000	1000	1	2.17E-06	2.3793829	4	0.4		
DMRX:43369001	X	43369001	43370000	1000	1	2.59E-06	1.5948275	2	0.2		
DMRX:43858001	X	43858001	43860000	2000	1	2.56E-10	1.7838983	21	1.05		
DMRX:44877001	X	44877001	44878000	1000	1	5.39E-06	1.8722297	0	0	Tbl1x	Unknown
DMRX:51647001	X	51647001	51648000	1000	1	4.35E-07	2.2090373	0	0	Dmd	Development
DMRX:53478001	X	53478001	53479000	1000	1	5.25E-07	1.4319866	3	0.3	Dmd	Development
DMRX:55368001	X	55368001	55370000	2000	1	3.34E-07	2.0223572	13	0.65		
DMRX:55516001	X	55516001	55518000	2000	1	1.10E-06	1.5944488	9	0.45	Il1rapl1	Receptor
DMRX:55799001	X	55799001	55800000	1000	1	6.51E-07	2.127821	5	0.5	Il1rapl1	Receptor
DMRX:57155001	X	57155001	57156000	1000	1	2.49E-06	2.1771359	1	0.1		

DMRX:60720001	X	60720001	60721000	1000	1	1.18E-07	1.5495809	3	0.3	AABR07038786.1	
DMRX:63549001	X	63549001	63550000	1000	1	7.62E-06	1.7655207	0	0	Apoo	Extracellular Matrix
DMRX:64431001	X	64431001	64433000	2000	1	2.12E-06	1.905611	11	0.55	Arhgef9	Signaling
DMRX:65818001	X	65818001	65819000	1000	1	9.18E-06	1.6301878	2	0.2		
DMRX:68876001	X	68876001	68878000	2000	1	7.30E-07	1.5228602	10	0.5	AABR07039133.1	
DMRX:72516001	X	72516001	72517000	1000	1	5.14E-06	-1.3452537	9	0.9	Phka1	Signaling
DMRX:74214001	X	74214001	74215000	1000	1	6.96E-07	1.3236475	11	1.1	Chic1	Unknown
DMRX:74861001	X	74861001	74863000	2000	1	2.62E-06	1.9165707	24	1.2	AABR07039377.2	
DMRX:76788001	X	76788001	76789000	1000	1	3.63E-06	1.7746983	16	1.6	Fgf16	Growth Factors & Cytokines
DMRX:87297001	X	87297001	87298000	1000	1	1.33E-06	1.6078867	5	0.5		
DMRX:92992001	X	92992001	92993000	1000	1	8.83E-06	1.596666	8	0.8		
DMRX:95590001	X	95590001	95592000	2000	1	7.68E-06	2.0022507	9	0.45		
DMRX:99770001	X	99770001	99771000	1000	1	8.92E-06	1.5579745	6	0.6		
DMRX:101625001	X	101625001	101627000	2000	1	6.57E-07	1.6443028	14	0.7		
DMRX:103355001	X	103355001	103356000	1000	1	3.93E-07	1.5977558	5	0.5		
DMRX:104461001	X	104461001	104463000	2000	1	6.05E-06	2.1135459	15	0.75	Pcdh19	Cytoskeleton
DMRX:111638001	X	111638001	111639000	1000	1	8.68E-08	1.7916448	5	0.5		
DMRX:111861001	X	111861001	111863000	2000	1	5.00E-06	1.5663773	17	0.85		
DMRX:122682001	X	122682001	122683000	1000	1	7.29E-06	1.7184568	9	0.9	Dock11	Signaling
DMRX:123735001	X	123735001	123736000	1000	1	8.94E-06	1.7848777	8	0.8	Upf3b	Development
DMRX:127589001	X	127589001	127590000	1000	1	1.71E-06	1.7330963	6	0.6	Gria3	Signaling
DMRX:128219001	X	128219001	128221000	2000	1	7.82E-06	1.7275257	15	0.75	Thoc2	Transcription
DMRX:128471001	X	128471001	128474000	3000	1	3.32E-07	2.2720487	12	0.4		
DMRX:133451001	X	133451001	133452000	1000	1	7.40E-06	1.3266139	2	0.2		
DMRX:134253001	X	134253001	134254000	1000	1	7.05E-06	2.0353024	4	0.4		
DMRX:135635001	X	135635001	135636000	1000	1	8.35E-06	1.4961293	7	0.7		
DMRX:135708001	X	135708001	135710000	2000	1	2.60E-06	1.9816819	14	0.7		
DMRX:135782001	X	135782001	135784000	2000	1	6.20E-06	2.0139407	18	0.9		
DMRX:136263001	X	136263001	136264000	1000	1	4.43E-06	2.4567369	3	0.3	Enox2	Transcription
DMRX:138837001	X	138837001	138838000	1000	1	6.65E-06	1.7339716	2	0.2	Hs6st2	Golgi
DMRX:143924001	X	143924001	143925000	1000	1	3.03E-08	1.9795784	5	0.5		
DMRX:144167001	X	144167001	144168000	1000	1	1.46E-06	1.5431442	4	0.4		
DMRX:147515001	X	147515001	147516000	1000	1	9.67E-06	1.6873042	5	0.5		
DMRX:150949001	X	150949001	150950000	1000	1	7.45E-06	1.4416896	8	0.8		
DMRX:154403001	X	154403001	154405000	2000	2	1.76E-06	1.8939266	8	0.4		
DMRX:155098001	X	155098001	155099000	1000	1	1.26E-06	1.7463697	4	0.4		
DMRX:157114001	X	157114001	157115000	1000	1	5.30E-06	1.7700429	3	0.3	Bcap31	Transport
DMRX:157886001	X	157886001	157889000	3000	1	7.52E-06	1.96353	17	0.567	LOC100909732	
DMRX:158462001	X	158462001	158464000	2000	1	7.08E-06	1.7969268	13	0.65		
DMRX:158673001	X	158673001	158674000	1000	1	6.66E-06	2.6344005	2	0.2		