

**Supplemental Table S3**  
**Site Table CLF 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	3.60E-06	-1.3296757	7	0.7	AABR07000137.1	
DMR1:4846001	1	4846001	4847000	1000	1	2.48E-06	-1.6590965	3	0.3	Grm1	Receptor
DMR1:7115001	1	7115001	7117000	2000	1	3.08E-06	-1.6516133	17	0.85		
DMR1:7742001	1	7742001	7743000	1000	1	7.51E-07	1.3057427	22	2.2	Adat2	Metabolism
DMR1:8450001	1	8450001	8451000	1000	1	4.41E-07	-1.7317316	6	0.6		
DMR1:8972001	1	8972001	8973000	1000	1	7.11E-06	-1.5240125	6	0.6		
DMR1:11778001	1	11778001	11779000	1000	1	1.19E-06	-1.4821679	9	0.9	AABR07000382.1	
DMR1:12804001	1	12804001	12805000	1000	1	9.40E-07	-1.3956328	10	1	AC128394.3	
DMR1:14527001	1	14527001	14530000	3000	1	4.88E-07	-1.7281886	53	1.767	AABR07000484.1	
DMR1:14948001	1	14948001	14949000	1000	1	1.00E-07	-1.939452	7	0.7	AABR07000493.1	
DMR1:18466001	1	18466001	18467000	1000	1	3.52E-06	-1.2994516	7	0.7		
DMR1:19505001	1	19505001	19507000	2000	1	3.39E-06	-2.041406	13	0.65		
DMR1:20489001	1	20489001	20491000	2000	1	5.25E-06	-2.1790089	9	0.45		
DMR1:20651001	1	20651001	20653000	2000	1	6.65E-06	-1.5766167	14	0.7		
DMR1:22061001	1	22061001	22062000	1000	1	8.05E-06	-1.4978112	5	0.5		
DMR1:22239001	1	22239001	22241000	2000	1	3.08E-06	-1.9340051	4	0.2	Stx7	Transcription
DMR1:22887001	1	22887001	22888000	1000	1	3.92E-07	-1.3311772	5	0.5		
DMR1:24976001	1	24976001	24977000	1000	1	6.47E-06	-1.6839074	13	1.3	AABR07000747.1	
DMR1:25566001	1	25566001	25567000	1000	1	1.42E-06	-1.6399769	9	0.9	Trdn	Cytoskeleton
DMR1:28290001	1	28290001	28291000	1000	1	5.14E-06	-1.6343275	7	0.7		
DMR1:30725001	1	30725001	30726000	1000	1	1.36E-06	-2.0988684	8	0.8	Rspo3	
DMR1:32850001	1	32850001	32851000	1000	1	2.37E-07	-1.9227049	10	1		
DMR1:34673001	1	34673001	34674000	1000	1	7.19E-06	-1.6060549	10	1		
DMR1:36375001	1	36375001	36376000	1000	1	5.32E-07	-1.965862	5	0.5		
DMR1:37709001	1	37709001	37713000	4000	1	6.85E-06	-2.1488078	29	0.725	RGD1308544	EST
DMR1:39878001	1	39878001	39879000	1000	1	5.44E-06	-1.3764888	10	1	Ppp1r14c	Signaling
DMR1:39925001	1	39925001	39927000	2000	1	6.70E-06	-1.3093026	10	0.5	Ppp1r14c	Signaling
DMR1:40637001	1	40637001	40639000	2000	1	5.44E-06	-1.3163966	17	0.85	Mthfd1l	Metabolism
DMR1:41014001	1	41014001	41016000	2000	1	5.52E-06	-1.2395179	24	1.2	Armt1;RF00045	
DMR1:42014001	1	42014001	42015000	1000	1	5.37E-06	1.108414	11	1.1	AABR07001382.1	
DMR1:42480001	1	42480001	42483000	3000	1	7.58E-06	-1.7532604	25	0.833	Mtrf1l;RF00494;RF00493;Rgs17	Translation;Signaling
DMR1:43019001	1	43019001	43020000	1000	1	7.95E-07	-2.4814666	12	1.2		
DMR1:45239001	1	45239001	45241000	2000	1	7.74E-06	-1.3222433	17	0.85		
DMR1:45479001	1	45479001	45480000	1000	1	1.60E-06	-1.4709875	9	0.9		
DMR1:48296001	1	48296001	48298000	2000	1	7.38E-07	-1.5689943	11	0.55	Slc22a1	Metabolism
DMR1:54088001	1	54088001	54090000	2000	1	1.38E-06	-1.4456487	15	0.75		
DMR1:54196001	1	54196001	54198000	2000	1	4.88E-06	-1.2445531	10	0.5		
DMR1:55301001	1	55301001	55302000	1000	1	8.17E-07	-1.8756953	4	0.4	AABR07001700.1	
DMR1:56151001	1	56151001	56152000	1000	1	2.20E-06	-1.9436688	13	1.3	Dact2	
DMR1:57982001	1	57982001	57983000	1000	1	1.41E-07	-1.4864431	6	0.6		
DMR1:59795001	1	59795001	59796000	1000	1	2.40E-06	-1.7318936	4	0.4	Fpr2	Receptor
DMR1:77748001	1	77748001	77750000	2000	1	9.06E-06	-2.1427432	13	0.65	Crx	Transcription
DMR1:79310001	1	79310001	79311000	1000	1	4.12E-07	-1.8470687	7	0.7		
DMR1:80025001	1	80025001	80026000	1000	1	1.78E-06	1.2008722	5	0.5	Fbxo46	
DMR1:84998001	1	84998001	84999000	1000	1	1.29E-06	-1.9213303	8	0.8	RF00004;Fcgbp	Extracellular Matrix
DMR1:86845001	1	86845001	86846000	1000	1	6.81E-06	-1.3255313	8	0.8		
DMR1:86847001	1	86847001	86850000	3000	1	5.71E-06	-1.5910683	38	1.267	AABR07002848.2	
DMR1:90423001	1	90423001	90424000	1000	1	2.97E-06	1.1389162	13	1.3		
DMR1:92805001	1	92805001	92808000	3000	1	8.72E-07	-1.6507799	28	0.933		
DMR1:94266001	1	94266001	94267000	1000	1	2.86E-06	-1.9173714	3	0.3		
DMR1:95103001	1	95103001	95106000	3000	1	8.94E-06	-1.7287188	28	0.933		
DMR1:95174001	1	95174001	95176000	2000	1	6.48E-06	-1.71243	10	0.5		
DMR1:99742001	1	99742001	99744000	2000	1	1.47E-07	-1.6908946	16	0.8	Klk9;Klk8;Klk7	Protease;Metabolism
DMR1:101589001	1	101589001	101592000	3000	1	7.66E-07	-1.7822691	25	0.833	Fgf21;Fut1	Metabolism
DMR1:104518001	1	104518001	104519000	1000	1	4.32E-06	-1.3906186	12	1.2		
DMR1:106336001	1	106336001	106337000	1000	1	6.26E-07	-1.78493	3	0.3		
DMR1:109721001	1	109721001	109722000	1000	1	1.40E-06	-1.8144466	3	0.3		
DMR1:112771001	1	112771001	112772000	1000	1	7.05E-06	-1.6907375	7	0.7	Luzp2;Gabrg3	Receptor
DMR1:113341001	1	113341001	113343000	2000	1	2.73E-06	-1.7867241	5	0.25	Luzp2;AABR07003504.1	
DMR1:115614001	1	115614001	115615000	1000	1	4.89E-06	-1.0747166	1	0.1	AABR07003563.1	
DMR1:115852001	1	115852001	115853000	1000	1	9.36E-07	-1.4389137	16	1.6		
DMR1:116664001	1	116664001	116665000	1000	1	6.97E-06	-1.6918098	1	0.1	Ube3a	Metabolism

DMR1:123429001	1	123429001	123430000	1000	1	1.41E-06	-1.8487061	2	0.2		
DMR1:126510001	1	126510001	126513000	3000	1	9.39E-06	-1.4979298	23	0.767		
DMR1:127126001	1	127126001	127128000	2000	1	2.99E-06	1.2053053	25	1.25		
DMR1:128190001	1	128190001	128191000	1000	1	1.98E-06	-1.5605373	6	0.6	Lysmd4	
DMR1:129967001	1	129967001	129969000	2000	1	6.19E-06	-1.5763434	11	0.55		
DMR1:135675001	1	135675001	135676000	1000	1	6.07E-07	-1.8993037	3	0.3		
DMR1:138813001	1	138813001	138814000	1000	1	8.18E-06	-1.4409239	3	0.3		
DMR1:139648001	1	139648001	139649000	1000	1	7.47E-06	-1.4826039	5	0.5		
DMR1:141383001	1	141383001	141384000	1000	1	3.76E-07	1.2546471	9	0.9	Ticrr	
DMR1:144029001	1	144029001	144031000	2000	1	3.26E-06	-1.6753543	9	0.45		
DMR1:144127001	1	144127001	144129000	2000	1	2.08E-06	-1.3008211	17	0.85	Sh3gl3	Signaling
DMR1:144907001	1	144907001	144908000	1000	1	3.29E-06	-1.815622	3	0.3		
DMR1:145709001	1	145709001	145710000	1000	1	8.54E-08	-1.9709634	5	0.5	Tmc3	Transport
DMR1:152818001	1	152818001	152819000	1000	1	1.89E-06	-1.737474	4	0.4		
DMR1:153532001	1	153532001	153533000	1000	1	7.61E-06	-1.6752328	5	0.5		
DMR1:153963001	1	153963001	153964000	1000	1	3.22E-07	-1.7288404	6	0.6	Me3	Metabolism
DMR1:155897001	1	155897001	155898000	1000	1	6.73E-06	-1.6741482	6	0.6		
DMR1:161039001	1	161039001	161040000	1000	1	1.43E-06	-1.3009439	9	0.9		
DMR1:161834001	1	161834001	161835000	1000	1	9.58E-06	-1.3540925	7	0.7	Tenm4;RF00001	Signaling
DMR1:163292001	1	163292001	163293000	1000	1	7.63E-06	-1.4054942	7	0.7		
DMR1:165863001	1	165863001	165865000	2000	1	1.75E-07	-1.5379664	16	0.8	Fam168a	
DMR1:166642001	1	166642001	166643000	1000	1	8.28E-06	-1.5050108	5	0.5		
DMR1:171031001	1	171031001	171032000	1000	1	7.03E-06	-1.6764984	3	0.3	Olr223	
DMR1:171541001	1	171541001	171542000	1000	1	5.48E-06	-1.4588455	9	0.9		
DMR1:174800001	1	174800001	174801000	1000	1	7.93E-06	-1.6193271	10	1		
DMR1:178518001	1	178518001	178519000	1000	1	8.75E-06	-1.1667009	20	2		
DMR1:179594001	1	179594001	179598000	4000	2	5.05E-07	-1.6558194	18	0.45		
DMR1:181727001	1	181727001	181728000	1000	1	3.98E-06	-1.864459	11	1.1		
DMR1:182251001	1	182251001	182253000	2000	1	4.11E-06	-1.3043331	12	0.6		
DMR1:183760001	1	183760001	183762000	2000	1	6.74E-06	-1.7910139	19	0.95	LOC691427	
DMR1:185617001	1	185617001	185619000	2000	1	7.48E-06	-1.4406974	12	0.6	AC128610.1	
DMR1:191156001	1	191156001	191157000	1000	1	4.14E-06	-1.9887542	11	1.1		
DMR1:193414001	1	193414001	193415000	1000	1	1.78E-06	-1.6640773	11	1.1	Aqp8	Metabolism
DMR1:194248001	1	194248001	194249000	1000	1	7.50E-06	-1.6482636	57	5.7		
DMR1:194390001	1	194390001	194391000	1000	1	8.76E-06	-1.4903093	8	0.8		
DMR1:196142001	1	196142001	196143000	1000	1	1.31E-06	-1.8805306	2	0.2		
DMR1:196235001	1	196235001	196237000	2000	1	9.25E-06	-2.1249943	9	0.45		
DMR1:197699001	1	197699001	197700000	1000	1	1.83E-06	-1.432072	5	0.5		
DMR1:198191001	1	198191001	198193000	2000	1	1.05E-06	-1.5932929	66	3.3	Mapk3;Gdpd3	Metabolism
DMR1:202018001	1	202018001	202019000	1000	1	3.61E-07	-1.5087992	10	1	Acadsb	Metabolism
DMR1:202538001	1	202538001	202539000	1000	1	4.88E-06	-1.3911899	3	0.3	Plpp4	
DMR1:203859001	1	203859001	203860000	1000	1	3.44E-06	1.8198162	9	0.9		
DMR1:204198001	1	204198001	204200000	2000	1	9.76E-07	-1.852661	13	0.65		
DMR1:204463001	1	204463001	204464000	1000	1	1.75E-08	-1.8644414	7	0.7		
DMR1:205278001	1	205278001	205279000	1000	1	9.78E-06	-1.6999813	7	0.7		
DMR1:210900001	1	210900001	210901000	1000	1	1.24E-06	-1.4822218	8	0.8		
DMR1:214217001	1	214217001	214218000	1000	1	4.67E-07	-1.9251529	4	0.4	Mir3574;Phrf1	
DMR1:216646001	1	216646001	216647000	1000	1	9.85E-06	-1.4895979	5	0.5		
DMR1:217251001	1	217251001	217253000	2000	1	2.58E-06	-1.9547666	19	0.95	Shank2	Protein Binding
DMR1:218043001	1	218043001	218044000	1000	1	4.82E-06	-1.4398284	10	1		
DMR1:218332001	1	218332001	218334000	2000	1	2.72E-06	-1.7829114	15	0.75		
DMR1:218778001	1	218778001	218780000	2000	1	4.56E-06	-1.5268597	7	0.35	Ppp6r3	
DMR1:219902001	1	219902001	219903000	1000	1	5.99E-06	-1.8747257	5	0.5	AC119332.1	
DMR1:220100001	1	220100001	220101000	1000	1	6.70E-06	-1.4948748	6	0.6	Ccs;Ccadc87;RF00003	Protein Binding
DMR1:221581001	1	221581001	221582000	1000	1	7.28E-06	-1.8791685	6	0.6	Majin	
DMR1:225224001	1	225224001	225225000	1000	1	4.13E-06	-1.3283861	7	0.7	Ahnak	Cytoskeleton
DMR1:226368001	1	226368001	226369000	1000	1	7.95E-06	-1.7050656	5	0.5		
DMR1:226473001	1	226473001	226475000	2000	1	9.33E-06	-1.6568455	26	1.3	Syt7	
DMR1:226732001	1	226732001	226734000	2000	1	1.69E-06	-1.3209707	21	1.05	Pga5;Vps37c	Proteolysis
DMR1:227252001	1	227252001	227254000	2000	2	3.01E-07	-2.2284494	7	0.35	Ms4a6bl	Receptor
DMR1:227364001	1	227364001	227366000	2000	2	5.72E-06	-1.9194817	11	0.55	AABR07006264.2;AABR07006264.1	
DMR1:228651001	1	228651001	228652000	1000	1	1.52E-06	-1.9569252	8	0.8		
DMR1:234599001	1	234599001	234601000	2000	1	7.77E-07	-1.8980675	18	0.9	Trpm6;RF00100	Receptor
DMR1:235433001	1	235433001	235435000	2000	1	6.80E-06	-1.9470375	13	0.65		
DMR1:235999001	1	235999001	2.36E+08	1000	1	8.64E-06	-1.780282	3	0.3	RF00026	
DMR1:236268001	1	236268001	236271000	3000	1	1.67E-06	-2.2427468	21	0.7	Pcsk5	Protease

DMR1:236461001	1	236461001	236462000	1000	1	1.28E-06	-1.6911426	5	0.5		
DMR1:237404001	1	237404001	237405000	1000	1	1.12E-06	-1.5851964	5	0.5		
DMR1:240291001	1	240291001	240292000	1000	1	8.02E-07	-1.791398	3	0.3		
DMR1:244038001	1	244038001	244039000	1000	1	8.65E-06	-1.8980842	4	0.4		
DMR1:244578001	1	244578001	244579000	1000	1	4.27E-06	-2.0115319	13	1.3		
DMR1:244803001	1	244803001	244804000	1000	1	3.50E-06	1.1309157	10	1	AABR07006656.2	
DMR1:246981001	1	246981001	246982000	1000	1	9.84E-06	1.4948939	19	1.9	Slc1a1;RF00009	Metabolism
DMR1:249767001	1	249767001	249768000	1000	1	9.70E-07	-1.7050919	4	0.4		
DMR1:251688001	1	251688001	251690000	2000	1	5.27E-07	-2.502177	16	0.8		
DMR1:251766001	1	251766001	251767000	1000	1	4.37E-06	-1.6339825	7	0.7		
DMR1:252724001	1	252724001	252725000	1000	1	3.99E-06	-1.4287108	3	0.3		
DMR1:261492001	1	261492001	261494000	2000	1	5.07E-06	-1.6002256	23	1.15	Golga7b	
DMR1:261979001	1	261979001	261980000	1000	1	8.91E-06	-1.4893836	9	0.9	Pyroxd2;Hps1;AC096317.4	Metabolism;Development
DMR1:262776001	1	262776001	262777000	1000	1	4.69E-06	-1.2260873	12	1.2		
DMR1:262799001	1	262799001	262800000	1000	1	5.22E-06	-1.8839399	4	0.4		
DMR1:265757001	1	265757001	265758000	1000	1	9.96E-06	-1.6266508	33	3.3	Armh3;Hps6	Development
DMR1:268240001	1	268240001	268241000	1000	1	2.49E-06	0.9620226	8	0.8	Sorcs3;RF00560	Receptor
DMR1:270291001	1	270291001	270292000	1000	1	5.56E-06	-1.6997472	3	0.3	Sorcs1	Receptor
DMR1:270515001	1	270515001	270516000	1000	1	3.80E-06	-2.0166902	3	0.3		
DMR1:273488001	1	273488001	273490000	2000	1	3.59E-06	1.2916125	21	1.05		
DMR1:275004001	1	275004001	275006000	2000	1	5.27E-06	-1.0236502	29	1.45	AABR07006978.1	
DMR1:276189001	1	276189001	276191000	2000	1	2.61E-06	-2.1838493	26	1.3	Gucy2g	
DMR1:277646001	1	277646001	277649000	3000	1	1.44E-06	1.4817017	42	1.4	Tdrd1	Transcription
DMR1:280309001	1	280309001	280311000	2000	1	9.20E-06	-1.8592984	28	1.4	AABR07007088.2	
DMR1:280829001	1	280829001	280831000	2000	1	3.87E-06	-1.5942087	6	0.3		
DMR2:1322001	2	1322001	1324000	2000	1	9.87E-07	-1.2200825	10	0.5		
DMR2:11601001	2	11601001	11602000	1000	1	1.90E-08	-2.0744867	12	1.2		
DMR2:11656001	2	11656001	11657000	1000	1	3.72E-06	-1.8162482	4	0.4	Mef2c	Transcription
DMR2:13048001	2	13048001	13049000	1000	1	6.67E-06	-2.0262426	1	0.1	AABR07007409.1	
DMR2:18673001	2	18673001	18674000	1000	1	7.33E-06	-1.6304888	4	0.4	Xrcc4	
DMR2:19051001	2	19051001	19053000	2000	1	5.94E-06	-1.972599	8	0.4		
DMR2:29057001	2	29057001	29058000	1000	1	8.23E-06	1.5625407	9	0.9	Tnpo1	Metabolism
DMR2:29985001	2	29985001	29986000	1000	1	7.63E-06	-1.2018798	15	1.5		
DMR2:30411001	2	30411001	30412000	1000	1	3.30E-06	-2.4071289	5	0.5	Naip2	Signaling
DMR2:34148001	2	34148001	34149000	1000	1	1.74E-09	-2.007783	10	1	Nln	Protease
DMR2:36722001	2	36722001	36724000	2000	1	3.77E-06	-1.7159773	11	0.55		
DMR2:40916001	2	40916001	40918000	2000	1	2.40E-06	1.3877432	22	1.1	Pde4d	Metabolism
DMR2:42279001	2	42279001	42281000	2000	1	4.02E-08	-1.9765493	19	0.95		
DMR2:45744001	2	45744001	45745000	1000	1	6.61E-07	-1.6133809	17	1.7	Arl15	Signaling
DMR2:45978001	2	45978001	45979000	1000	1	1.61E-07	-1.6218177	13	1.3	Arl15	Signaling
DMR2:46063001	2	46063001	46064000	1000	1	7.11E-06	-1.2325135	8	0.8	LOC108350225	
DMR2:48519001	2	48519001	48520000	1000	1	7.61E-06	-1.3066165	4	0.4		
DMR2:54170001	2	54170001	54171000	1000	1	5.51E-06	-1.4555998	4	0.4		
DMR2:57992001	2	57992001	57993000	1000	1	1.95E-06	-2.047582	5	0.5	RF00026	
DMR2:58139001	2	58139001	58140000	1000	1	5.00E-06	-1.4312869	5	0.5		
DMR2:58654001	2	58654001	58655000	1000	1	4.36E-06	-1.7204755	3	0.3	AABR07008440.1	
DMR2:63591001	2	63591001	63592000	1000	1	7.99E-07	-1.523903	5	0.5		
DMR2:66995001	2	66995001	66996000	1000	1	1.90E-06	-1.9296391	0	0	Cdh9	Extracellular Matrix
DMR2:71688001	2	71688001	71689000	1000	1	2.44E-07	1.5739697	3	0.3		
DMR2:78916001	2	78916001	78917000	1000	1	7.54E-06	-1.5369211	1	0.1	11-Mar	Metabolism
DMR2:79160001	2	79160001	79162000	2000	1	2.02E-06	-1.9079225	17	0.85		
DMR2:82449001	2	82449001	82450000	1000	1	1.64E-06	-1.5858376	4	0.4		
DMR2:84275001	2	84275001	84276000	1000	1	9.74E-07	-1.9490993	41	4.1	Dap	Signaling
DMR2:86956001	2	86956001	86957000	1000	1	4.77E-06	-1.4709559	3	0.3	AABR07009106.1;AABR07009105.1	
DMR2:89247001	2	89247001	89249000	2000	1	5.10E-06	-1.6752528	11	0.55	Raly1;RF00100;AABR0700922	Transcription
DMR2:92851001	2	92851001	92852000	1000	1	3.69E-06	-1.8588972	3	0.3		
DMR2:93553001	2	93553001	93554000	1000	1	4.71E-06	-1.4165205	0	0		
DMR2:94536001	2	94536001	94537000	1000	1	1.92E-06	1.140615	9	0.9	Zfp704	Transcription
DMR2:100156001	2	100156001	100158000	2000	1	7.19E-06	-1.6124234	10	0.5		
DMR2:102385001	2	102385001	102386000	1000	1	2.73E-06	-1.6832655	8	0.8		
DMR2:103474001	2	103474001	103476000	2000	1	4.60E-06	-2.0150241	9	0.45		
DMR2:107655001	2	107655001	107656000	1000	1	8.25E-06	-1.7363709	3	0.3		
DMR2:112589001	2	112589001	112592000	3000	1	5.76E-06	-1.4474377	36	1.2	Spata16	
DMR2:112912001	2	112912001	112915000	3000	1	7.78E-06	-1.3067197	49	1.633	Nceh1	Metabolism
DMR2:113804001	2	113804001	113805000	1000	1	1.39E-06	-2.5392566	1	0.1	Pld1	Metabolism

DMR2:118603001	2	118603001	118604000	1000	1	2.14E-06	1.8277441	5	0.5		
DMR2:122523001	2	122523001	122524000	1000	1	3.62E-06	-2.3516288	3	0.3	Dcun1d1	Proteolysis
DMR2:125303001	2	125303001	125304000	1000	1	4.51E-06	-1.5936672	5	0.5	Ankrd50	Transcription
DMR2:126357001	2	126357001	126358000	1000	1	1.40E-07	-2.0293949	3	0.3		
DMR2:130189001	2	130189001	130190000	1000	1	7.09E-06	-1.7247878	6	0.6		
DMR2:131366001	2	131366001	131368000	2000	1	5.70E-06	-1.7034692	11	0.55		
DMR2:131668001	2	131668001	131669000	1000	1	1.09E-07	-2.2417983	1	0.1		
DMR2:135148001	2	135148001	135150000	2000	1	2.01E-06	-1.7195487	10	0.5		
DMR2:138081001	2	138081001	138082000	1000	1	2.07E-07	-1.7864534	2	0.2		
DMR2:138276001	2	138276001	138277000	1000	1	8.04E-06	-1.6609234	2	0.2		
DMR2:141116001	2	141116001	141117000	1000	1	5.13E-06	-1.1514442	11	1.1		
DMR2:142124001	2	142124001	142125000	1000	1	2.55E-06	-1.5074564	10	1		
DMR2:142591001	2	142591001	142593000	2000	1	7.30E-06	-1.7360461	26	1.3		
DMR2:144772001	2	144772001	144773000	1000	1	3.44E-06	1.595567	12	1.2	Dcll1	Cytoskeleton
DMR2:151654001	2	151654001	151655000	1000	1	6.00E-07	-2.4021808	2	0.2		
DMR2:153851001	2	153851001	153853000	2000	1	4.56E-06	-1.6685931	22	1.1	Mme	Protease
DMR2:155968001	2	155968001	155969000	1000	1	1.10E-06	-2.1213104	3	0.3	Kcnab1	Transport
DMR2:156210001	2	156210001	156212000	2000	1	4.17E-06	-1.1383553	6	0.3		
DMR2:158239001	2	158239001	158242000	3000	1	2.48E-06	-1.4172469	23	0.767		
DMR2:169698001	2	169698001	169702000	4000	1	1.90E-06	-1.5414591	26	0.65		
DMR2:172931001	2	172931001	172932000	1000	1	4.24E-06	-1.3362514	3	0.3	AABR07011857.2	
DMR2:174525001	2	174525001	174527000	2000	1	4.59E-06	-1.3417235	13	0.65		
DMR2:174981001	2	174981001	174983000	2000	1	5.55E-06	-1.5509324	5	0.25	Fstl5	Hormone
DMR2:177896001	2	177896001	177898000	2000	1	3.51E-06	-1.7182982	20	1	Rapgef2	
DMR2:178689001	2	178689001	178690000	1000	1	8.37E-07	-1.8471903	4	0.4	Gask1b	
DMR2:184581001	2	184581001	184583000	2000	1	1.01E-06	-1.5447901	15	0.75		
DMR2:184664001	2	184664001	184665000	1000	1	2.26E-06	-1.8062114	10	1	Gatb	
DMR2:185280001	2	185280001	185283000	3000	1	4.26E-06	1.546238	23	0.767	Sh3d19;AABR07012097.1;Prs48	Protease
DMR2:190458001	2	190458001	190459000	1000	1	3.32E-06	-1.2429439	9	0.9		
DMR2:192313001	2	192313001	192314000	1000	1	5.84E-06	-1.4698096	3	0.3	AABR07012291.1	
DMR2:198303001	2	198303001	198305000	2000	1	7.41E-06	-1.6378826	27	1.35	Otud7b;Mtmr11;Sf3b4	Transcription;Signaling;Translati on
DMR2:203593001	2	203593001	203594000	1000	1	2.15E-06	-1.4002882	13	1.3		
DMR2:205453001	2	205453001	205454000	1000	1	5.93E-06	-1.7671597	4	0.4	Nr1h5;RF00003	
DMR2:206589001	2	206589001	206591000	2000	1	2.74E-06	-1.550433	10	0.5	Magi3	Signaling
DMR2:212183001	2	212183001	212185000	2000	1	2.15E-06	-1.7794965	21	1.05		
DMR2:212665001	2	212665001	212666000	1000	1	3.46E-06	1.2994389	6	0.6		
DMR2:217708001	2	217708001	217710000	2000	1	1.13E-06	-1.9139968	7	0.35	RF00560	
DMR2:220077001	2	220077001	220078000	1000	1	2.17E-06	-2.2396993	4	0.4	Plppr5	
DMR2:231815001	2	231815001	231816000	1000	1	3.66E-06	-1.8824096	3	0.3		
DMR2:232538001	2	232538001	232539000	1000	1	4.38E-06	-1.6023893	3	0.3		
DMR2:241048001	2	241048001	241050000	2000	1	1.42E-06	-2.0286996	26	1.3	Slc39a8	Transport
DMR2:244486001	2	244486001	244487000	1000	1	3.52E-06	-1.6361727	9	0.9		
DMR2:245196001	2	245196001	245198000	2000	1	7.76E-06	-1.6431435	21	1.05		
DMR2:248162001	2	248162001	248163000	1000	1	6.95E-06	-1.4408569	4	0.4		
DMR2:248342001	2	248342001	248343000	1000	1	2.03E-06	-1.6730229	6	0.6		
DMR2:249361001	2	249361001	249362000	1000	1	3.68E-06	-1.6697979	2	0.2		
DMR2:249369001	2	249369001	249370000	1000	1	4.97E-07	-1.8864933	6	0.6		
DMR2:253040001	2	253040001	253041000	1000	1	1.86E-06	-2.5596381	13	1.3		
DMR2:253066001	2	253066001	253068000	2000	1	6.03E-07	-1.5341667	8	0.4		
DMR2:259384001	2	259384001	259385000	1000	1	5.59E-06	-1.562719	7	0.7	St6galnac3	Metabolism
DMR2:260244001	2	260244001	260246000	2000	1	9.75E-06	-1.5901976	16	0.8	Slc44a5	Transport
DMR2:262753001	2	262753001	262754000	1000	1	8.97E-07	-1.8940106	4	0.4		
DMR3:2243001	3	2243001	2245000	2000	1	7.11E-06	-1.5975622	19	0.95	Pnpla7	Metabolism
DMR3:4683001	3	4683001	4685000	2000	1	6.24E-07	-2.1524758	28	1.4		
DMR3:5079001	3	5079001	5080000	1000	1	9.25E-07	-1.2271558	5	0.5		
DMR3:5096001	3	5096001	5097000	1000	1	7.68E-06	-1.9152715	1	0.1		
DMR3:11345001	3	11345001	11347000	2000	1	7.38E-06	-1.5531443	26	1.3	Golga2;Dnm1;Mir199b	Transport;Cytoskeleton
DMR3:19733001	3	19733001	19734000	1000	1	1.89E-07	-2.0358776	0	0		
DMR3:22544001	3	22544001	22545000	1000	1	4.26E-06	-1.5794921	3	0.3	AABR07051804.1	
DMR3:31956001	3	31956001	31957000	1000	1	5.65E-06	-1.6309681	2	0.2		
DMR3:34652001	3	34652001	34653000	1000	1	4.08E-06	-1.8145198	2	0.2		
DMR3:44929001	3	44929001	44930000	1000	1	8.30E-06	-1.738738	10	1	Ccdc148	
DMR3:48384001	3	48384001	48385000	1000	1	4.73E-06	-1.7603564	13	1.3		
DMR3:56830001	3	56830001	56831000	1000	1	9.63E-06	-1.6797957	7	0.7	Erich2	
DMR3:62960001	3	62960001	62963000	3000	1	8.65E-06	-2.114975	47	1.567	Cyct	

DMR3:72608001	3	72608001	72610000	2000	1	6.53E-06	-1.8243198	9	0.45	Lrrc55	Unknown
DMR3:72785001	3	72785001	72786000	1000	1	3.67E-06	-1.4089207	4	0.4	Olr440	Receptor
DMR3:80182001	3	80182001	80184000	2000	1	4.99E-07	-1.81543	28	1.4	RGD1309540	Unknown
DMR3:84006001	3	84006001	84007000	1000	1	6.07E-06	-1.7159462	6	0.6		
DMR3:85922001	3	85922001	85923000	1000	1	4.59E-07	-1.5228282	4	0.4	Lrrc4c	Extracellular Matrix
DMR3:93916001	3	93916001	93918000	2000	1	2.03E-06	1.8827085	25	1.25	Lmo2	Transcription
DMR3:96230001	3	96230001	96231000	1000	1	8.04E-06	-2.5343873	4	0.4		
DMR3:97219001	3	97219001	97221000	2000	1	1.86E-06	-1.8423423	21	1.05	AABR07053293.1	
DMR3:98330001	3	98330001	98333000	3000	1	4.14E-06	-2.0310192	11	0.367		
DMR3:98844001	3	98844001	98845000	1000	1	3.04E-06	-1.4327648	2	0.2		
DMR3:107792001	3	107792001	107794000	2000	1	2.18E-06	-1.7209923	14	0.7		
DMR3:107932001	3	107932001	107934000	2000	1	8.20E-06	-2.0322204	13	0.65		
DMR3:110165001	3	110165001	110166000	1000	1	3.62E-06	-2.2044579	5	0.5	Eif2ak4	Signaling
DMR3:113780001	3	113780001	113781000	1000	1	1.54E-06	-1.812325	12	1.2		
DMR3:116032001	3	116032001	116034000	2000	1	4.54E-06	-1.9862497	3	0.15		
DMR3:118143001	3	118143001	118144000	1000	1	1.05E-06	-1.9825706	9	0.9	Cops2;Galk2	Development;Signaling
DMR3:121233001	3	121233001	121235000	2000	1	2.11E-06	-1.6051382	33	1.65	Anapc1;Mertk	Cell Cycle;Signaling
DMR3:121320001	3	121320001	121321000	1000	1	1.04E-06	-1.8824172	5	0.5	Mertk;RF00402	Signaling
DMR3:129452001	3	129452001	129453000	1000	1	1.56E-06	-1.9801216	8	0.8	AABR07053830.1	
DMR3:130626001	3	130626001	130628000	2000	1	1.33E-06	-1.793759	14	0.7		
DMR3:134727001	3	134727001	134728000	1000	1	6.63E-06	-1.1914383	9	0.9		
DMR3:136220001	3	136220001	136222000	2000	1	2.26E-06	-1.4333766	20	1		
DMR3:137693001	3	137693001	137697000	4000	1	3.58E-07	-1.6848635	24	0.6	Pcsk2	Proteolysis
DMR3:137854001	3	137854001	137858000	4000	1	4.92E-07	-1.9958313	25	0.625	Pcsk2	Proteolysis
DMR3:138371001	3	138371001	138372000	1000	1	5.96E-06	-1.3831406	7	0.7	Snx5	Transport
DMR3:140597001	3	140597001	140598000	1000	1	9.58E-06	-1.9708916	2	0.2	Ralgapa2	Signaling
DMR3:146410001	3	146410001	146411000	1000	1	4.18E-06	-1.6690557	9	0.9	Apmap;Acss1	Metabolism
DMR3:149138001	3	149138001	149139000	1000	1	2.66E-06	-1.6885623	10	1	Dnmt3b	Transcription
DMR3:154003001	3	154003001	154004000	1000	1	2.09E-06	-1.8575262	12	1.2		
DMR3:158735001	3	158735001	158737000	2000	1	7.27E-07	-2.0919893	6	0.3	RF00560	
DMR3:160317001	3	160317001	160318000	1000	1	1.18E-06	-1.5457141	8	0.8		
DMR3:160893001	3	160893001	160896000	3000	1	4.66E-06	-1.6171137	43	1.433	Sdc4	Cytoskeleton
DMR3:163943001	3	163943001	163945000	2000	1	2.80E-06	1.4578586	25	1.25	Kcnb1;AABR07054614.1	Transport
DMR3:165972001	3	165972001	165973000	1000	1	9.56E-07	-1.671916	10	1	LOC108350528	
DMR3:166666001	3	166666001	166667000	1000	1	4.65E-06	-1.5189454	17	1.7		
DMR3:169568001	3	169568001	169569000	1000	1	4.75E-06	-1.4256385	8	0.8		
DMR3:169638001	3	169638001	169639000	1000	1	4.31E-06	-2.0074164	9	0.9	AABR07054801.1	
DMR3:169868001	3	169868001	169872000	4000	1	5.04E-06	0.9168072	76	1.9		
DMR3:171844001	3	171844001	171847000	3000	1	6.93E-07	-1.2966224	45	1.5	Vapb	
DMR3:174349001	3	174349001	174351000	2000	1	5.14E-06	-1.2973544	28	1.4		
DMR4:1313001	4	1313001	1314000	1000	1	4.54E-06	-1.815842	2	0.2		
DMR4:2866001	4	2866001	2867000	1000	1	3.27E-06	-1.5523297	4	0.4		
DMR4:3475001	4	3475001	3476000	1000	1	1.22E-06	-1.4516744	4	0.4		
DMR4:4778001	4	4778001	4780000	2000	1	7.69E-07	-2.0244145	16	0.8		
DMR4:4856001	4	4856001	4859000	3000	1	4.58E-06	-2.1030797	25	0.833		
DMR4:5276001	4	5276001	5278000	2000	1	7.50E-06	-1.8064777	10	0.5		
DMR4:5459001	4	5459001	5460000	1000	1	2.68E-06	-1.7093423	7	0.7		
DMR4:14170001	4	14170001	14172000	2000	1	2.70E-06	-2.1813426	10	0.5	RGD1565355	
DMR4:14872001	4	14872001	14874000	2000	1	3.75E-06	-1.7686725	5	0.25		
DMR4:18131001	4	18131001	18133000	2000	1	4.72E-06	-1.3234847	17	0.85		
DMR4:26336001	4	26336001	26337000	1000	1	2.39E-07	-1.7102777	21	2.1	Cdk14	Cell Cycle
DMR4:30163001	4	30163001	30165000	2000	1	7.55E-06	-1.555392	22	1.1	Ppp1r9a	Signaling
DMR4:32634001	4	32634001	32636000	2000	1	9.24E-07	-1.7342928	9	0.45		
DMR4:33740001	4	33740001	33745000	5000	1	3.28E-06	-1.6722653	51	1.02	Asns	Metabolism
DMR4:39321001	4	39321001	39322000	1000	1	1.58E-06	-1.5851369	6	0.6		
DMR4:40529001	4	40529001	40532000	3000	1	1.64E-06	-1.6598825	7	0.233		
DMR4:41444001	4	41444001	41445000	1000	1	1.99E-06	-1.7396986	1	0.1	Foxp2	Transcription
DMR4:45815001	4	45815001	45816000	1000	1	7.59E-06	-1.5503815	7	0.7		
DMR4:46497001	4	46497001	46498000	1000	1	3.22E-06	-1.942334	3	0.3		
DMR4:54038001	4	54038001	54039000	1000	1	4.91E-06	-1.7342736	4	0.4		
DMR4:56244001	4	56244001	56248000	4000	1	1.08E-06	1.9551809	45	1.125		
DMR4:56903001	4	56903001	56906000	3000	1	3.42E-06	-1.997567	28	0.933	Tnpo3	Transport
DMR4:56992001	4	56992001	56994000	2000	1	2.95E-06	-1.4746648	19	0.95	Tspan33	Cytoskeleton
DMR4:59093001	4	59093001	59094000	1000	1	9.22E-06	-1.6748065	1	0.1		
DMR4:59784001	4	59784001	59785000	1000	1	6.15E-07	-2.0097597	5	0.5	Plxna4	Receptor
DMR4:60388001	4	60388001	60389000	1000	1	2.34E-06	1.1559256	13	1.3	RF00026	
DMR4:60612001	4	60612001	60613000	1000	1	3.70E-06	-1.5844647	2	0.2	Exoc4	Transport

DMR4:62134001	4	62134001	62136000	2000	1	6.39E-06	-1.590994	6	0.3		
DMR4:62239001	4	62239001	62240000	1000	1	4.55E-06	-1.0779059	28	2.8	Cald1	Metabolism
DMR4:63496001	4	63496001	63497000	1000	1	7.86E-06	-1.4171356	6	0.6		
DMR4:65120001	4	65120001	65121000	1000	1	4.29E-06	-1.5760773	10	1	Akr1d1	Metabolism
DMR4:65239001	4	65239001	65241000	2000	1	2.20E-06	-1.3897077	10	0.5		
DMR4:65496001	4	65496001	65497000	1000	1	7.31E-06	-1.5750295	5	0.5		
DMR4:69152001	4	69152001	69153000	1000	1	2.54E-06	-1.4794062	1	0.1	Prss58;Tryx5	
DMR4:70361001	4	70361001	70362000	1000	1	4.92E-06	-2.0286758	1	0.1		
DMR4:70623001	4	70623001	70624000	1000	1	1.03E-07	-2.0610861	3	0.3	AC142181.1;Prss3;Try5	Proteolysis
DMR4:71094001	4	71094001	71095000	1000	1	4.57E-06	-1.3378725	8	0.8		
DMR4:77095001	4	77095001	77096000	1000	1	1.11E-06	-1.5058962	8	0.8		
DMR4:79452001	4	79452001	79453000	1000	1	8.73E-06	-1.6437264	4	0.4		
DMR4:82089001	4	82089001	82090000	1000	1	4.18E-06	-1.5589635	15	1.5		
DMR4:85633001	4	85633001	85634000	1000	1	7.44E-07	-1.8492266	11	1.1		
DMR4:90265001	4	90265001	90267000	2000	1	5.42E-06	-1.780409	7	0.35		
DMR4:93123001	4	93123001	93124000	1000	1	4.51E-06	-1.9858679	0	0		
DMR4:93651001	4	93651001	93652000	1000	1	9.35E-06	-1.7741195	2	0.2		
DMR4:93890001	4	93890001	93891000	1000	1	5.82E-06	-1.9319547	4	0.4	AABR07060792.1;RF00560	
DMR4:95390001	4	95390001	95391000	1000	1	9.78E-06	-1.5718522	3	0.3	Grid2	Signaling
DMR4:96782001	4	96782001	96783000	1000	1	2.02E-06	-1.4868448	5	0.5	Prdm5	Transcription
DMR4:97796001	4	97796001	97798000	2000	1	3.52E-07	-1.7574379	12	0.6		
DMR4:98408001	4	98408001	98409000	1000	1	9.73E-07	-2.0996762	6	0.6	AABR07060872.1	
DMR4:98977001	4	98977001	98979000	2000	1	2.31E-06	-2.0695936	14	0.7	Thns12	Metabolism
DMR4:100148001	4	100148001	100149000	1000	1	1.33E-06	-1.3682514	9	0.9	RF00026	
DMR4:101419001	4	101419001	101420000	1000	1	8.20E-08	-1.6543882	4	0.4		
DMR4:102877001	4	102877001	102878000	1000	1	8.56E-06	-1.860777	3	0.3	AABR07061022.3;RF00560	
DMR4:103839001	4	103839001	103840000	1000	1	8.21E-06	-1.8458605	3	0.3		
DMR4:104288001	4	104288001	104290000	2000	1	1.52E-06	-1.8219915	3	0.15	AABR07061096.1	
DMR4:104788001	4	104788001	104789000	1000	1	2.79E-06	-1.4428941	5	0.5		
DMR4:109042001	4	109042001	109043000	1000	1	2.23E-06	-1.7617994	58	5.8		
DMR4:112574001	4	112574001	112577000	3000	1	4.29E-06	-1.6457947	25	0.833	RF00560	
DMR4:114830001	4	114830001	114831000	1000	1	3.48E-06	-1.8103485	7	0.7	Wbp1;NEWGENE_1562258;Rtkn	
DMR4:114834001	4	114834001	114835000	1000	1	9.53E-11	-2.3993429	23	2.3	Rtkn	
DMR4:119221001	4	119221001	119222000	1000	1	1.28E-06	-1.6366124	11	1.1	Bmp10	Signaling
DMR4:122793001	4	122793001	122794000	1000	1	3.43E-06	-1.3571635	6	0.6	Hdac11	Transcription
DMR4:123574001	4	123574001	123577000	3000	1	9.24E-06	-1.5609302	27	0.9	Grip2	Signaling
DMR4:123728001	4	123728001	123730000	2000	1	3.92E-08	1.4012144	14	0.7		
DMR4:123760001	4	123760001	123761000	1000	1	7.18E-06	-1.5678354	39	3.9	Ccdc174	
DMR4:126263001	4	126263001	126265000	2000	1	4.92E-07	-1.8798551	22	1.1		
DMR4:128187001	4	128187001	128189000	2000	1	8.36E-06	-2.0480351	12	0.6		
DMR4:129392001	4	129392001	129394000	2000	1	7.81E-06	-1.561523	26	1.3	Fam19a4	
DMR4:129647001	4	129647001	129649000	2000	1	2.02E-06	-1.800182	11	0.55	Frmd4b	Signaling
DMR4:132442001	4	132442001	132444000	2000	1	1.76E-06	-1.4302918	18	0.9		
DMR4:133393001	4	133393001	133395000	2000	1	9.52E-06	-1.9752275	11	0.55		
DMR4:139413001	4	139413001	139414000	1000	1	4.92E-06	-1.8949305	2	0.2		
DMR4:143714001	4	143714001	143715000	1000	1	3.90E-06	-1.7372837	2	0.2		
DMR4:144163001	4	144163001	144164000	1000	1	2.03E-07	-1.9955167	0	0		
DMR4:144871001	4	144871001	144873000	2000	1	1.05E-06	-1.9762421	19	0.95	Srgap3;AABR07061801.1	Signaling
DMR4:145423001	4	145423001	145425000	2000	1	1.84E-06	-1.8055898	11	0.55	Il17re;Il17rc	
DMR4:155569001	4	155569001	155570000	1000	1	9.45E-06	-1.7882298	4	0.4	Slc2a3	Transport
DMR4:156833001	4	156833001	156834000	1000	1	9.71E-06	-1.7380179	1	0.1	RGD1307916	
DMR4:157077001	4	157077001	157078000	1000	1	2.87E-06	-1.6099453	20	2	Cln3	Extracellular Matrix
DMR4:157860001	4	157860001	157861000	1000	1	4.15E-06	-1.9415169	5	0.5	Scnn1a;Tnfrsf1a	Transport;Apoptosis
DMR4:158782001	4	158782001	158784000	2000	1	6.24E-06	-1.5971653	22	1.1	AABR07062046.1	
DMR4:159557001	4	159557001	159558000	1000	1	9.03E-06	-1.8954845	6	0.6	Fgf6	Signaling
DMR4:159609001	4	159609001	159611000	2000	1	9.32E-06	-1.1688315	21	1.05		
DMR4:161272001	4	161272001	161274000	2000	1	7.86E-06	-1.8216975	14	0.7	AABR07062108.1	
DMR4:161440001	4	161440001	161441000	1000	1	2.85E-06	-2.1649159	2	0.2		
DMR4:168328001	4	168328001	168331000	3000	1	8.82E-06	-1.1710887	42	1.4	Lrp6	Receptor
DMR4:172735001	4	172735001	172736000	1000	1	1.92E-06	-1.5309489	5	0.5		
DMR4:173646001	4	173646001	173647000	1000	1	6.48E-06	-1.5770142	29	2.9	Rergl	Signaling
DMR4:175980001	4	175980001	175982000	2000	1	5.07E-08	-1.8798221	5	0.25	Slco1a4;RF00015;RF00100	Transport
DMR4:177540001	4	177540001	177541000	1000	1	1.96E-06	-1.6054447	8	0.8		
DMR4:177617001	4	177617001	177619000	2000	1	9.09E-06	-1.6702844	38	1.9		
DMR4:179938001	4	179938001	179939000	1000	1	8.32E-06	-2.1437656	5	0.5		
DMR4:181282001	4	181282001	181283000	1000	1	9.46E-06	-1.4404157	8	0.8	Ppfibp1	Signaling

DMR5:2766001	5	2766001	2767000	1000	1	5.11E-07	-1.5851302	9	0.9		
DMR5:4908001	5	4908001	4909000	1000	1	9.85E-07	-2.0412913	4	0.4		
DMR5:5779001	5	5779001	5781000	2000	1	7.55E-06	-1.6701694	20	1		
DMR5:5857001	5	5857001	5859000	2000	1	7.66E-06	1.2466199	42	2.1	Slco5a1	Metabolism
DMR5:9194001	5	9194001	9195000	1000	1	8.68E-06	-1.6975552	13	1.3		
DMR5:9968001	5	9968001	9969000	1000	1	2.73E-06	-1.3346433	1	0.1	RF00100	
DMR5:17398001	5	17398001	17399000	1000	1	9.61E-06	-1.1882474	2	0.2	AABR07047050.1	
DMR5:17716001	5	17716001	17718000	2000	1	6.33E-07	-1.9220162	14	0.7		
DMR5:19342001	5	19342001	19343000	1000	1	3.65E-07	-1.6214014	5	0.5		
DMR5:19442001	5	19442001	19444000	2000	1	7.58E-06	-1.6105373	17	0.85		
DMR5:26812001	5	26812001	26815000	3000	1	5.15E-06	-1.4942304	31	1.033		
DMR5:27210001	5	27210001	27211000	1000	1	1.28E-07	-1.4584938	3	0.3		
DMR5:31316001	5	31316001	31318000	2000	1	8.04E-06	-1.5205093	5	0.25	RF00026	
DMR5:34139001	5	34139001	34141000	2000	1	1.68E-06	-1.4378767	17	0.85		
DMR5:35369001	5	35369001	35370000	1000	1	7.13E-09	-2.9195503	1	0.1		
DMR5:35746001	5	35746001	35749000	3000	1	4.53E-06	-1.7065218	24	0.8		
DMR5:36306001	5	36306001	36307000	1000	1	9.73E-06	-1.8055165	2	0.2		
DMR5:40042001	5	40042001	40043000	1000	1	2.71E-06	-1.6786785	6	0.6	Fut9	Metabolism
DMR5:48104001	5	48104001	48105000	1000	1	3.97E-06	-1.6676395	6	0.6	Ankrd6	
DMR5:48477001	5	48477001	48479000	2000	1	1.09E-07	-1.895021	30	1.5	Srsf12	
DMR5:52131001	5	52131001	52132000	1000	1	4.32E-06	-1.4811854	2	0.2		
DMR5:56359001	5	56359001	56361000	2000	1	1.96E-06	-1.3492229	16	0.8		
DMR5:60233001	5	60233001	60235000	2000	1	5.55E-06	-1.7540925	19	0.95		
DMR5:60569001	5	60569001	60570000	1000	1	6.29E-06	-1.8591017	27	2.7	Zbtb5;Polr1e	Transcription;Translation
DMR5:62015001	5	62015001	62016000	1000	1	3.50E-06	-1.6541684	12	1.2	Hemgn	
DMR5:63029001	5	63029001	63031000	2000	1	4.17E-06	-2.1163324	26	1.3		
DMR5:64577001	5	64577001	64578000	1000	1	3.34E-07	-2.0471475	4	0.4	LOC103690035	
DMR5:67870001	5	67870001	67872000	2000	1	5.33E-06	-2.1221625	6	0.3	Plppr1;RF00181	
DMR5:71517001	5	71517001	71518000	1000	1	3.64E-07	-1.3361733	9	0.9		
DMR5:71600001	5	71600001	71602000	2000	1	6.86E-06	-1.9198779	5	0.25		
DMR5:73808001	5	73808001	73809000	1000	1	8.99E-06	-1.9350516	2	0.2	LOC102555189	
DMR5:74508001	5	74508001	74509000	1000	1	2.89E-07	-1.5029376	9	0.9		
DMR5:80779001	5	80779001	80780000	1000	1	7.80E-06	-1.5215029	2	0.2		
DMR5:82070001	5	82070001	82071000	1000	1	8.92E-06	-2.2429273	2	0.2	Astn2	Unknown
DMR5:84205001	5	84205001	84206000	1000	1	7.78E-06	-1.5563943	4	0.4		
DMR5:85421001	5	85421001	85422000	1000	1	8.42E-06	-1.8758971	3	0.3		
DMR5:89692001	5	89692001	89693000	1000	1	8.02E-06	-1.8811861	3	0.3		
DMR5:90816001	5	90816001	90817000	1000	1	4.43E-07	-1.6507815	6	0.6	Kdm4c	Epigenetic
DMR5:96417001	5	96417001	96418000	1000	1	3.05E-06	-1.8587252	0	0		
DMR5:97326001	5	97326001	97327000	1000	1	9.12E-07	-1.7882919	2	0.2		
DMR5:98975001	5	98975001	98976000	1000	1	6.25E-07	-1.9716561	2	0.2		
DMR5:103919001	5	103919001	103921000	2000	1	1.74E-06	-2.1379129	15	0.75		
DMR5:105901001	5	105901001	105903000	2000	1	9.18E-06	-1.4012851	14	0.7		
DMR5:106091001	5	106091001	106092000	1000	1	8.67E-06	-1.4797599	4	0.4	AABR07049111.1	
DMR5:107367001	5	107367001	107369000	2000	1	1.62E-07	1.3913493	14	0.7	AABR07049134.3;LOC100912314	Immune
DMR5:107593001	5	107593001	107595000	2000	1	8.74E-07	-1.9761738	9	0.45	LOC102551439	
DMR5:108402001	5	108402001	108403000	1000	1	3.51E-06	-1.8574867	4	0.4		
DMR5:118918001	5	118918001	118920000	2000	2	1.12E-07	-1.9727854	19	0.95		
DMR5:123605001	5	123605001	123607000	2000	1	8.37E-07	1.4983751	9	0.45		
DMR5:125463001	5	125463001	125464000	1000	1	2.03E-06	-1.5739745	2	0.2		
DMR5:132255001	5	132255001	132256000	1000	1	2.96E-06	1.308146	6	0.6		
DMR5:133596001	5	133596001	133597000	1000	1	7.36E-06	-1.5179907	14	1.4		
DMR5:134400001	5	134400001	134401000	1000	1	4.79E-06	-1.0406124	12	1.2		
DMR5:136619001	5	136619001	136620000	1000	1	6.63E-06	-1.714244	7	0.7	Klf17	Transcription
DMR5:137947001	5	137947001	137949000	2000	1	8.14E-06	-1.5150587	7	0.35		
DMR5:138996001	5	138996001	138998000	2000	1	6.75E-06	-1.8339451	17	0.85	Hivep3	Transcription
DMR5:139260001	5	139260001	139262000	2000	2	2.60E-06	-1.4136316	25	1.25	AABR07049815.1	
DMR5:139836001	5	139836001	139839000	3000	1	4.30E-06	-1.2368923	30	1	RF00026	
DMR5:144513001	5	144513001	144514000	1000	1	1.56E-06	-1.2740054	9	0.9	Ago4	Transcription
DMR5:145226001	5	145226001	145228000	2000	1	5.91E-06	-1.5521358	11	0.55		
DMR5:146852001	5	146852001	146853000	1000	1	1.52E-06	1.2885372	21	2.1		
DMR5:147768001	5	147768001	147769000	1000	1	6.25E-06	-1.2183525	8	0.8	Lck	Signaling
DMR5:149671001	5	149671001	149672000	1000	1	5.57E-09	-2.5213647	3	0.3	AABR07050061.1	
DMR5:152312001	5	152312001	152314000	2000	1	5.25E-06	-1.9702819	18	0.9	Crybg2;Cd52	
DMR5:155082001	5	155082001	155084000	2000	1	8.91E-06	-1.5377	23	1.15	Ephb2	Receptor
DMR5:158461001	5	158461001	158462000	1000	1	4.91E-06	-1.4600743	15	1.5		

DMR5:163154001	5	163154001	163157000	3000	1	4.42E-06	-1.2286971	41	1.367	Tnfrsf1b	Apoptosis
DMR5:164875001	5	164875001	164876000	1000	1	7.77E-06	-1.6695407	11	1.1	AC094126.1	
DMR5:165691001	5	165691001	165692000	1000	1	7.24E-06	-1.460908	18	1.8		
DMR5:167949001	5	167949001	167951000	2000	1	8.68E-06	-1.6002013	34	1.7	Errfi1	Signaling
DMR5:170213001	5	170213001	170214000	1000	1	3.96E-06	-1.4382844	13	1.3		
DMR5:170839001	5	170839001	170840000	1000	1	4.02E-07	1.4793686	10	1		
DMR5:171782001	5	171782001	171783000	1000	1	2.77E-06	-1.4048221	21	2.1		
DMR5:172353001	5	172353001	172355000	2000	1	3.27E-06	-1.5462068	39	1.95	Hes5	Transcription
DMR5:172764001	5	172764001	172766000	2000	1	8.08E-06	-1.830448	25	1.25	Prkcz;AABR07050652.1	Signaling
DMR6:5747001	6	5747001	5749000	2000	1	7.84E-06	-1.2981629	4	0.2		
DMR6:13989001	6	13989001	13990000	1000	1	5.32E-06	-1.6776667	4	0.4	Nrxn1	Receptor
DMR6:18484001	6	18484001	18486000	2000	1	4.75E-06	-2.1436498	6	0.3		
DMR6:19868001	6	19868001	19869000	1000	1	1.68E-06	-1.5362309	1	0.1		
DMR6:24639001	6	24639001	24641000	2000	1	4.44E-06	1.5649676	21	1.05	Capn13	Protease
DMR6:26211001	6	26211001	26212000	1000	1	6.18E-06	-1.5320334	7	0.7	Slc4a1ap	Transcription
DMR6:27962001	6	27962001	27963000	1000	1	8.93E-06	-1.5462742	5	0.5		
DMR6:29814001	6	29814001	29815000	1000	1	2.96E-06	-1.1643128	1	0.1		
DMR6:34339001	6	34339001	34340000	1000	1	1.44E-08	-2.0282104	3	0.3	RF00100	
DMR6:35586001	6	35586001	35588000	2000	1	4.36E-06	-1.8035775	10	0.5		
DMR6:36154001	6	36154001	36156000	2000	1	4.20E-06	-1.5784063	9	0.45		
DMR6:37040001	6	37040001	37042000	2000	1	7.89E-06	-1.2494212	6	0.3	Vsnl1	Signaling
DMR6:37287001	6	37287001	37289000	2000	1	4.70E-06	-1.3470142	17	0.85		
DMR6:38090001	6	38090001	38092000	2000	1	1.42E-06	-2.4818305	8	0.4		
DMR6:40216001	6	40216001	40217000	1000	1	7.11E-06	-1.6818031	5	0.5		
DMR6:40686001	6	40686001	40687000	1000	1	3.22E-06	-1.7941553	3	0.3		
DMR6:43736001	6	43736001	43738000	2000	1	2.64E-06	-2.1454882	24	1.2	Grhl1	Transcription
DMR6:46200001	6	46200001	46201000	1000	1	9.99E-07	-1.8191461	5	0.5		
DMR6:47685001	6	47685001	47687000	2000	1	6.19E-06	-1.6929854	15	0.75		
DMR6:51779001	6	51779001	51782000	3000	1	2.90E-06	-1.6225805	19	0.633		
DMR6:57212001	6	57212001	57213000	1000	1	3.88E-06	1.7857806	2	0.2		
DMR6:58440001	6	58440001	58441000	1000	1	4.82E-06	-1.5531228	3	0.3		
DMR6:61080001	6	61080001	61081000	1000	1	9.38E-06	-1.8787503	2	0.2		
DMR6:61779001	6	61779001	61781000	2000	1	6.52E-07	-1.845262	5	0.25		
DMR6:67833001	6	67833001	67834000	1000	1	8.80E-06	-1.7698518	3	0.3		
DMR6:69221001	6	69221001	69223000	2000	2	6.92E-06	-1.7048357	7	0.35		
DMR6:69539001	6	69539001	69542000	3000	1	7.95E-07	-1.9000372	14	0.467		
DMR6:70707001	6	70707001	70709000	2000	1	5.18E-07	-1.7428764	15	0.75		
DMR6:77418001	6	77418001	77420000	2000	1	6.74E-06	-1.9652524	85	4.25	Nkx2-1	Transcription
DMR6:81147001	6	81147001	81150000	3000	1	2.59E-06	-1.6105267	28	0.933		
DMR6:81961001	6	81961001	81962000	1000	1	6.85E-07	-1.5948927	5	0.5		
DMR6:84246001	6	84246001	84247000	1000	1	9.95E-07	-1.6249484	4	0.4		
DMR6:92779001	6	92779001	92780000	1000	1	6.04E-06	-1.8526114	11	1.1		
DMR6:95159001	6	95159001	95162000	3000	1	5.30E-06	-1.7686949	38	1.267		
DMR6:95196001	6	95196001	95198000	2000	1	7.38E-07	-1.7317754	5	0.25	Lrrc9	
DMR6:105566001	6	105566001	105567000	1000	1	5.95E-06	1.4318134	14	1.4	AABR07065044.1	
DMR6:106491001	6	106491001	106492000	1000	1	9.04E-06	-1.3666202	9	0.9	Rgs6	Signaling
DMR6:106549001	6	106549001	106550000	1000	1	4.26E-06	-1.3729198	7	0.7	Rgs6	Signaling
DMR6:107459001	6	107459001	107460000	1000	1	1.14E-06	-1.5748316	10	1	Heatr4;Acot2	
DMR6:108067001	6	108067001	108068000	1000	1	3.63E-06	-1.6467487	9	0.9	Zfp410;Fam161b;Coq6	Transcription;Metabolism
DMR6:110191001	6	110191001	110192000	1000	1	7.58E-06	-1.7370314	2	0.2	Gpatch2l	
DMR6:112357001	6	112357001	112358000	1000	1	7.42E-07	-1.4181994	5	0.5	Nrxn3	Receptor
DMR6:115829001	6	115829001	115830000	1000	1	5.59E-06	-1.6916811	5	0.5	AABR07065217.1	
DMR6:116138001	6	116138001	116139000	1000	1	8.98E-06	-1.6303883	1	0.1		
DMR6:116713001	6	116713001	116714000	1000	1	2.92E-06	-1.7758123	7	0.7		
DMR6:117955001	6	117955001	117956000	1000	1	2.50E-06	1.2682951	7	0.7		
DMR6:121406001	6	121406001	121407000	1000	1	6.27E-06	-1.2675851	5	0.5		
DMR6:123869001	6	123869001	123870000	1000	1	6.74E-06	-1.4129649	7	0.7	Efcab11	Signaling
DMR6:124677001	6	124677001	124678000	1000	1	3.19E-08	-2.2343202	4	0.4	Rps6ka5	Signaling
DMR6:127295001	6	127295001	127297000	2000	1	2.12E-06	-1.6204941	19	0.95	Otub2;Ddx24	Metabolism;Transcription
DMR6:127641001	6	127641001	127642000	1000	1	3.31E-06	-1.4208019	19	1.9	Serpina1;Serpina11	Signaling
DMR6:128870001	6	128870001	128872000	2000	1	7.64E-06	-1.4780056	7	0.35		
DMR6:132287001	6	132287001	132289000	2000	1	3.82E-06	-1.8660433	32	1.6		
DMR6:133061001	6	133061001	133065000	4000	1	4.94E-06	-1.4543922	43	1.075		
DMR6:134081001	6	134081001	134082000	1000	1	6.07E-06	-1.399465	15	1.5		
DMR6:140942001	6	140942001	140944000	2000	1	5.71E-06	-1.824358	11	0.55	AABR07065776.1	
DMR6:145329001	6	145329001	145331000	2000	1	1.56E-06	-1.806645	20	1		
DMR7:2862001	7	2862001	2863000	1000	1	5.66E-06	-1.7691502	12	1.2	Rnf41	



DMR7:12611001	7	12611001	12613000	2000	1	1.74E-06	-2.0416293	57	2.85	Arhgap45;Med16;Arid3a;Kiss1r;R3hdm4;AABR07055844.1;RF00026	Transcription;Receptor
DMR7:12840001	7	12840001	12841000	1000	1	1.55E-06	-1.8749819	27	2.7	Fgf22;Polrmt	Growth Factors & Cytokines;Transcription
DMR7:13832001	7	13832001	13834000	2000	1	3.35E-07	-1.6788608	11	0.55		
DMR7:15339001	7	15339001	15340000	1000	1	4.02E-06	-1.1752569	12	1.2		
DMR7:18141001	7	18141001	18143000	2000	1	7.88E-06	-1.7027122	3	0.15		
DMR7:20287001	7	20287001	20288000	1000	1	1.91E-07	-1.4714414	12	1.2	AABR07056118.1	
DMR7:25186001	7	25186001	25187000	1000	1	2.30E-07	-1.6991917	5	0.5		
DMR7:28110001	7	28110001	28113000	3000	1	7.28E-06	-1.6150708	40	1.333	Pah	Metabolism
DMR7:31754001	7	31754001	31757000	3000	1	4.61E-07	-1.4209683	21	0.7	Apaf1;AC095650.1	Apoptosis
DMR7:39444001	7	39444001	39445000	1000	1	5.60E-06	-1.8077521	3	0.3		
DMR7:46379001	7	46379001	46380000	1000	1	9.59E-06	-2.2200286	0	0		
DMR7:46955001	7	46955001	46956000	1000	1	2.57E-06	-1.3262289	4	0.4		
DMR7:58150001	7	58150001	58153000	3000	1	4.86E-06	-1.5276054	25	0.833	Tph2	Metabolism
DMR7:64612001	7	64612001	64614000	2000	1	1.32E-07	-1.8932263	9	0.45		
DMR7:68470001	7	68470001	68471000	1000	1	2.98E-06	-1.511875	4	0.4	Slc16a7	Metabolism
DMR7:72256001	7	72256001	72257000	1000	1	3.81E-07	-2.0344067	2	0.2		
DMR7:72611001	7	72611001	72613000	2000	1	4.96E-06	-1.5838266	18	0.9		
DMR7:77821001	7	77821001	77822000	1000	1	1.75E-07	-2.1441842	4	0.4	Baalc	Development
DMR7:78146001	7	78146001	78147000	1000	1	5.85E-06	-1.4356129	10	1	Rims2	Signaling
DMR7:79134001	7	79134001	79136000	2000	1	7.63E-06	-1.4870337	5	0.25	AABR07057586.1	
DMR7:83381001	7	83381001	83382000	1000	1	3.95E-06	-1.5534966	4	0.4	Pkhd1l1	Development
DMR7:84190001	7	84190001	84192000	2000	1	1.61E-06	-2.4682867	3	0.15		
DMR7:89730001	7	89730001	89732000	2000	1	1.97E-07	-1.6851752	6	0.3		
DMR7:96087001	7	96087001	96088000	1000	1	2.45E-06	-1.750914	4	0.4		
DMR7:97346001	7	97346001	97347000	1000	1	3.30E-06	-1.7743007	2	0.2	AABR07057997.1	
DMR7:100512001	7	100512001	100516000	4000	1	1.62E-07	-2.3175233	13	0.325		
DMR7:102469001	7	102469001	102470000	1000	1	6.32E-07	-1.8144194	2	0.2		
DMR7:107482001	7	107482001	107483000	1000	1	5.28E-06	-1.8891514	11	1.1	Tg	Metabolism
DMR7:108733001	7	108733001	108734000	1000	1	8.32E-06	-1.5815372	5	0.5	Phf20l1;AABR07058291.1	Epigenetic
DMR7:113235001	7	113235001	113237000	2000	1	6.66E-06	-1.9678303	5	0.25	Col22a1	Extracellular Matrix
DMR7:116060001	7	116060001	116063000	3000	1	8.19E-06	-1.2665211	17	0.567	LOC100910068;Gml	
DMR7:123361001	7	123361001	123362000	1000	1	9.59E-06	-1.6191005	18	1.8	Mei1;Ccadc134	
DMR7:137364001	7	137364001	137365000	1000	1	2.38E-06	-1.2069579	7	0.7		
DMR7:141526001	7	141526001	141528000	2000	1	1.75E-06	-1.9023533	27	1.35	Lima1	Cytoskeleton
DMR7:145115001	7	145115001	145116000	1000	1	2.71E-06	-1.4539661	7	0.7	Nckap1l;Pde1b	Development;Signaling
DMR8:3333001	8	3333001	3334000	1000	1	3.19E-06	-1.7864018	0	0		
DMR8:4264001	8	4264001	4267000	3000	1	6.84E-06	-1.8626062	13	0.433		
DMR8:7093001	8	7093001	7094000	1000	1	4.39E-06	-1.4534561	2	0.2		
DMR8:8105001	8	8105001	8107000	2000	1	7.51E-06	-1.5140144	10	0.5	Cntn5	Extracellular Matrix
DMR8:12713001	8	12713001	12714000	1000	1	6.42E-06	-2.1663611	13	1.3		
DMR8:14292001	8	14292001	14293000	1000	1	2.13E-06	-1.9023803	6	0.6	AABR07069238.1	
DMR8:14919001	8	14919001	14920000	1000	1	2.47E-06	-1.4405331	9	0.9		
DMR8:15716001	8	15716001	15718000	2000	1	3.59E-07	-1.3448126	10	0.5		
DMR8:20331001	8	20331001	20332000	1000	1	4.43E-07	-1.6911628	3	0.3		
DMR8:23523001	8	23523001	23524000	1000	1	3.05E-09	-1.6651836	8	0.8	AABR07069473.1;Bbs9	Development
DMR8:35126001	8	35126001	35127000	1000	1	1.31E-06	-2.0639702	2	0.2		
DMR8:35811001	8	35811001	35812000	1000	1	4.63E-06	-1.6157603	6	0.6		
DMR8:42585001	8	42585001	42586000	1000	1	5.67E-06	-1.521864	4	0.4		
DMR8:43514001	8	43514001	43517000	3000	1	7.51E-09	-1.9756153	16	0.533	LOC103690273	
DMR8:45616001	8	45616001	45617000	1000	1	4.53E-06	-1.6335808	10	1		
DMR8:46160001	8	46160001	46161000	1000	1	1.80E-06	-1.5473994	5	0.5		
DMR8:49833001	8	49833001	49836000	3000	1	2.14E-06	-1.4345384	25	0.833	Dscaml1	Development
DMR8:50133001	8	50133001	50135000	2000	1	1.66E-06	-1.4491165	12	0.6	Cep164;Bace1	Protease
DMR8:55154001	8	55154001	55155000	1000	1	1.41E-06	-1.752026	14	1.4	Dixdc1;LOC689959	Signaling;Unknown
DMR8:55726001	8	55726001	55728000	2000	1	3.47E-06	-1.8413119	14	0.7		
DMR8:56965001	8	56965001	56966000	1000	1	8.81E-06	-1.5762197	2	0.2		
DMR8:57534001	8	57534001	57536000	2000	1	1.60E-07	-2.0086381	7	0.35		
DMR8:62960001	8	62960001	62961000	1000	1	1.60E-06	-1.6450765	4	0.4		
DMR8:63123001	8	63123001	63124000	1000	1	2.25E-06	-2.0227874	7	0.7	LOC682793	
DMR8:63153001	8	63153001	63154000	1000	1	5.05E-06	-1.8957308	4	0.4	Tbc1d21	Signaling
DMR8:63275001	8	63275001	63277000	2000	1	4.40E-06	-1.7258699	23	1.15	Insyn1	
DMR8:64700001	8	64700001	64702000	2000	1	6.57E-06	-1.7337291	7	0.35	Myo9a	Cytoskeleton
DMR8:65071001	8	65071001	65072000	1000	1	8.16E-07	-1.6279765	16	1.6		
DMR8:68048001	8	68048001	68050000	2000	1	4.26E-06	-1.3978242	28	1.4	Skor1;Map2k5	Signaling

DMR8:68907001	8	68907001	68909000	2000	1	9.91E-06	-1.9429928	19	0.95	Smad6	Signaling
DMR8:71443001	8	71443001	71444000	1000	1	8.34E-06	-1.5722333	4	0.4	Trip4	Transcription
DMR8:73503001	8	73503001	73505000	2000	1	1.65E-06	-2.0811438	17	0.85		
DMR8:74266001	8	74266001	74268000	2000	1	1.86E-06	-1.7403876	13	0.65	AABR07070532.1	
DMR8:76111001	8	76111001	76113000	2000	1	6.86E-06	-2.061155	18	0.9	AABR07070587.1	
DMR8:78956001	8	78956001	78957000	1000	1	7.15E-07	-1.875073	6	0.6	Zfp280d	Transcription
DMR8:79762001	8	79762001	79763000	1000	1	2.62E-06	-1.4469606	4	0.4	Rab27a	Signaling
DMR8:80441001	8	80441001	80443000	2000	1	8.90E-07	-1.3407726	13	0.65	Unc13c	Development
DMR8:80812001	8	80812001	80813000	1000	1	2.46E-07	-1.9089939	3	0.3		
DMR8:82912001	8	82912001	82913000	1000	1	6.59E-07	-1.5306277	7	0.7	Bmp5	Growth Factors & Cytokines
DMR8:84713001	8	84713001	84715000	2000	1	4.25E-06	-1.7580929	8	0.4	Lrrc1	Unknown
DMR8:86968001	8	86968001	86969000	1000	1	6.12E-06	1.2887124	17	1.7		
DMR8:87461001	8	87461001	87462000	1000	1	9.45E-06	-1.7208473	7	0.7		
DMR8:88421001	8	88421001	88422000	1000	1	2.21E-06	-1.9115352	0	0		
DMR8:89828001	8	89828001	89831000	3000	1	8.06E-06	-1.7679928	13	0.433		
DMR8:93296001	8	93296001	93298000	2000	1	4.62E-06	-1.681032	13	0.65		
DMR8:96969001	8	96969001	96970000	1000	1	4.36E-06	-1.652598	5	0.5	Minar1	
DMR8:100706001	8	100706001	100708000	2000	1	4.07E-07	-2.4967843	12	0.6		
DMR8:107450001	8	107450001	107451000	1000	1	6.79E-07	-1.2921732	6	0.6		
DMR8:109360001	8	109360001	109362000	2000	1	6.90E-06	-2.1303254	17	0.85	Pccb	Metabolism
DMR8:111265001	8	111265001	111266000	1000	1	6.14E-08	-1.6238126	16	1.6		
DMR8:113015001	8	113015001	113017000	2000	1	5.00E-07	-2.1025646	13	0.65		
DMR8:114512001	8	114512001	114516000	4000	1	1.66E-06	-1.5767484	35	0.875		
DMR8:118604001	8	118604001	118605000	1000	1	3.94E-06	-1.6814973	7	0.7	Scap	Translation
DMR8:121602001	8	121602001	121603000	1000	1	2.05E-07	-1.9437148	7	0.7		
DMR8:122404001	8	122404001	122406000	2000	1	2.03E-06	-1.9979289	21	1.05	Crtap1	
DMR8:124842001	8	124842001	124843000	1000	1	1.20E-06	1.3332096	17	1.7	Rbms3	Epigenetic
DMR8:125289001	8	125289001	125291000	2000	1	2.86E-06	-1.5045853	27	1.35	Rbms3	Epigenetic
DMR8:126561001	8	126561001	126564000	3000	1	5.25E-07	-2.1244376	38	1.267	AABR07071662.1	
DMR8:128072001	8	128072001	128074000	2000	1	2.36E-06	-1.2378605	30	1.5	Xylb	Metabolism
DMR8:132848001	8	132848001	132850000	2000	1	4.77E-06	1.5578777	15	0.75	Fyco1;Ccr9	Growth Factors & Cytokines
DMR8:133274001	8	133274001	133275000	1000	1	1.56E-06	-1.9799693	12	1.2		
DMR9:1285001	9	1285001	1288000	3000	1	1.27E-07	-1.6205781	23	0.767	Tbc1d5	Signaling
DMR9:3387001	9	3387001	3389000	2000	1	2.62E-06	-1.7955023	10	0.5	Kcnh8;RF00003	Transport
DMR9:4505001	9	4505001	4507000	2000	1	9.70E-06	-1.7045857	19	0.95		
DMR9:6429001	9	6429001	6430000	1000	1	1.22E-06	1.4988414	5	0.5		
DMR9:7770001	9	7770001	7772000	2000	1	7.28E-06	-1.6894407	11	0.55	Vom2r77	
DMR9:10090001	9	10090001	10091000	1000	1	3.82E-06	-1.3924979	10	1	Acer1	Metabolism
DMR9:10170001	9	10170001	10172000	2000	1	9.09E-06	-1.3248556	46	2.3	LOC316124;Acsbg2	Metabolism
DMR9:11133001	9	11133001	11134000	1000	1	3.28E-06	1.3651015	6	0.6	RF00554	
DMR9:13978001	9	13978001	13979000	1000	1	6.48E-06	-1.4082068	6	0.6		
DMR9:20039001	9	20039001	20041000	2000	1	1.75E-06	-1.5866663	17	0.85	Mep1a	Protease
DMR9:27100001	9	27100001	27101000	1000	1	8.90E-06	-1.8850358	3	0.3	Efhc1	
DMR9:31269001	9	31269001	31270000	1000	1	9.70E-06	-1.5672425	8	0.8		
DMR9:33520001	9	33520001	33521000	1000	1	1.44E-06	-1.5343047	9	0.9		
DMR9:37204001	9	37204001	37205000	1000	1	5.50E-07	-1.6027052	7	0.7		
DMR9:39458001	9	39458001	39460000	2000	1	4.66E-06	-1.5735823	3	0.15		
DMR9:41602001	9	41602001	41604000	2000	1	5.26E-07	-2.2992816	6	0.3		
DMR9:46418001	9	46418001	46419000	1000	1	1.59E-06	1.4166632	8	0.8	Rfx8	Transcription
DMR9:53891001	9	53891001	53892000	1000	1	7.77E-06	-1.6970597	3	0.3		
DMR9:54729001	9	54729001	54730000	1000	1	1.46E-06	-1.5862904	8	0.8	Myo1b	Cytoskeleton
DMR9:58657001	9	58657001	58658000	1000	1	6.73E-07	-2.0513439	9	0.9		
DMR9:60877001	9	60877001	60878000	1000	1	3.34E-08	-1.8380136	10	1	Ccdc150;AABR07067749.2	
DMR9:61461001	9	61461001	61462000	1000	1	9.47E-06	-1.4805414	15	1.5	Ankrd44	Unknown
DMR9:63944001	9	63944001	63945000	1000	1	4.71E-06	-1.6513382	2	0.2		
DMR9:63969001	9	63969001	63970000	1000	1	6.01E-06	-1.637695	8	0.8		
DMR9:65036001	9	65036001	65038000	2000	1	3.86E-06	-1.9641425	17	0.85	Aox3	Metabolism
DMR9:68625001	9	68625001	68626000	1000	1	9.45E-06	-1.7181792	3	0.3	Pard3b	Cell Junction
DMR9:69968001	9	69968001	69970000	2000	1	2.35E-06	-1.4478854	19	0.95	Gpr1	Receptor
DMR9:70338001	9	70338001	70339000	1000	1	2.68E-06	-1.4965513	3	0.3	Dytn	
DMR9:74333001	9	74333001	74334000	1000	1	7.62E-06	-2.0034759	7	0.7		
DMR9:75148001	9	75148001	75149000	1000	1	5.74E-08	1.3172399	12	1.2	ErbB4	Signaling
DMR9:77207001	9	77207001	77208000	1000	1	4.97E-08	-2.5277093	6	0.6		
DMR9:80836001	9	80836001	80838000	2000	1	1.91E-06	-2.4157991	7	0.35		
DMR9:81267001	9	81267001	81268000	1000	1	4.44E-06	-1.4295211	6	0.6	Tns1	Signaling
DMR9:81634001	9	81634001	81636000	2000	1	5.28E-07	-1.3876087	28	1.4	Catip;Pnkd	Development
DMR9:81964001	9	81964001	81966000	2000	1	3.30E-07	-1.7360607	10	0.5	Cyp27a1;Ttil4	Metabolism;Cytoskeleton

DMR9:89635001	9	89635001	89637000	2000	1	7.53E-06	-1.6777728	10	0.5		
DMR9:92521001	9	92521001	92522000	1000	1	3.87E-06	-1.6811848	15	1.5	Slc16a14	Metabolism
DMR9:97332001	9	97332001	97334000	2000	1	3.61E-06	-1.8611009	20	1		
DMR9:97348001	9	97348001	97350000	2000	1	3.69E-06	-1.9438777	19	0.95	Ackr3	Growth Factors & Cytokines
DMR9:97550001	9	97550001	97551000	1000	1	6.03E-06	-1.5074814	5	0.5	AABR07068308.1	
DMR9:97977001	9	97977001	97979000	2000	1	5.91E-06	1.4039588	20	1	AABR07068316.1	
DMR9:98463001	9	98463001	98464000	1000	1	3.83E-06	-1.4277789	13	1.3	Scly;Espnl	Metabolism
DMR9:99512001	9	99512001	99514000	2000	1	5.25E-06	-1.3563417	26	1.3		
DMR9:102303001	9	102303001	102304000	1000	1	7.64E-06	-1.8174737	1	0.1		
DMR9:103455001	9	103455001	103456000	1000	1	7.41E-07	-1.4670293	3	0.3		
DMR9:103780001	9	103780001	103781000	1000	1	3.59E-06	-1.477251	3	0.3		
DMR9:105569001	9	105569001	105570000	1000	1	3.32E-06	-1.8003309	1	0.1	RGD1560925	
DMR9:106454001	9	106454001	106455000	1000	1	1.63E-06	-2.4401544	7	0.7		
DMR9:110467001	9	110467001	110468000	1000	1	5.46E-06	-1.405583	11	1.1		
DMR9:119063001	9	119063001	119065000	2000	1	2.57E-06	-1.5242131	11	0.55	Dlgap1	Signaling
DMR10:823001	10	823001	824000	1000	1	8.76E-06	-1.4164426	2	0.2	Myh11	Cytoskeleton
DMR10:1116001	10	1116001	1117000	1000	1	1.05E-06	-1.489091	6	0.6		
DMR10:1724001	10	1724001	1726000	2000	1	8.16E-06	-1.3760761	7	0.35	AABR07028995.1	
DMR10:5661001	10	5661001	5663000	2000	1	1.38E-06	-1.6818166	17	0.85		
DMR10:7447001	10	7447001	7449000	2000	1	6.27E-06	-1.6243547	5	0.25		
DMR10:8046001	10	8046001	8047000	1000	1	6.95E-07	-1.6236207	4	0.4		
DMR10:9068001	10	9068001	9069000	1000	1	6.34E-08	-1.7266207	3	0.3		
DMR10:9378001	10	9378001	9380000	2000	1	9.38E-06	-1.7980111	20	1		
DMR10:9785001	10	9785001	9786000	1000	1	4.85E-06	-1.4437208	6	0.6		
DMR10:10677001	10	10677001	10678000	1000	1	1.37E-06	-1.4274699	13	1.3	Ppl	
DMR10:11089001	10	11089001	11090000	1000	1	1.67E-06	-1.3382229	11	1.1	Dnaja3;Coro7	Protein Binding;Cytoskeleton
DMR10:15003001	10	15003001	15006000	3000	1	4.99E-06	-1.9573121	60	2	Lmf1	
DMR10:16521001	10	16521001	16523000	2000	1	1.94E-06	-1.6318115	25	1.25	AC119699.2;AC119699.1;LOC102551820	
DMR10:17568001	10	17568001	17569000	1000	1	3.94E-07	-1.9568076	5	0.5	Fbxw11	Metabolism
DMR10:17861001	10	17861001	17862000	1000	1	5.89E-07	-1.5258425	6	0.6		
DMR10:21118001	10	21118001	21120000	2000	1	3.75E-07	-1.5410829	18	0.9	Tenm2	
DMR10:21650001	10	21650001	21651000	1000	1	8.66E-06	-1.2005271	9	0.9		
DMR10:21854001	10	21854001	21855000	1000	1	9.14E-06	-1.4891385	6	0.6		
DMR10:21907001	10	21907001	21908000	1000	1	8.98E-06	-1.1035091	12	1.2		
DMR10:23484001	10	23484001	23485000	1000	1	4.82E-07	-1.7990312	5	0.5	RF00139	
DMR10:23783001	10	23783001	23785000	2000	1	1.50E-06	-2.1184873	27	1.35	Ebf1	Transcription
DMR10:24869001	10	24869001	24870000	1000	1	8.51E-06	-1.6219855	4	0.4		
DMR10:25955001	10	25955001	25956000	1000	1	5.24E-08	-1.8000225	2	0.2		
DMR10:29187001	10	29187001	29189000	2000	1	9.56E-06	-1.3403393	17	0.85	Ccnjl;AABR07029452.1;Fabp6	Signaling;Binding Protein
DMR10:29571001	10	29571001	29572000	1000	1	3.34E-06	-1.233175	5	0.5		
DMR10:40870001	10	40870001	40872000	2000	1	1.27E-06	-1.3497503	12	0.6	Gla1	Receptor
DMR10:49075001	10	49075001	49076000	1000	1	1.56E-06	-1.6758915	7	0.7		
DMR10:49379001	10	49379001	49380000	1000	1	2.97E-06	-1.7732768	12	1.2	Cdrt4	
DMR10:56566001	10	56566001	56568000	2000	1	1.45E-06	-1.4572813	14	0.7	Slc2a4;AABR07029863.4;Cldn7	Metabolism
DMR10:57053001	10	57053001	57054000	1000	1	1.36E-06	-1.5752962	13	1.3	Arrb2;Med11;Cxcl16	Signaling;Transcription;Growth Factors & Cytokines
DMR10:58988001	10	58988001	58989000	1000	1	5.53E-06	-1.6795752	2	0.2	Ggt6	Metabolism
DMR10:69505001	10	69505001	69507000	2000	1	4.44E-07	-1.8435441	12	0.6		
DMR10:71855001	10	71855001	71857000	2000	1	9.16E-06	-1.28552	27	1.35	Lhx1;LOC102553190	Transcription
DMR10:73174001	10	73174001	73175000	1000	1	2.28E-07	-1.6536442	7	0.7		
DMR10:74055001	10	74055001	74056000	1000	1	1.62E-06	-1.839569	4	0.4	Cltc	Cytoskeleton
DMR10:75488001	10	75488001	75490000	2000	1	2.43E-06	-1.8908859	28	1.4	Cuedc1	
DMR10:78818001	10	78818001	78820000	2000	1	5.44E-06	-1.9209545	13	0.65		
DMR10:80793001	10	80793001	80794000	1000	1	4.20E-06	-1.1174699	9	0.9	Car10	Metabolism
DMR10:84022001	10	84022001	84023000	1000	1	2.89E-06	-1.775481	4	0.4	Hoxb13	Transcription
DMR10:86663001	10	86663001	86664000	1000	1	1.98E-06	-1.1274178	23	2.3	Thra	Receptor
DMR10:89182001	10	89182001	89183000	1000	1	3.32E-06	-2.0783655	10	1	AABR07072184.1;AABR07072184.2;Vps25;Wnk4;Atp5md	Signaling
DMR10:92096001	10	92096001	92099000	3000	1	4.67E-06	-1.7036651	23	0.767		
DMR10:92135001	10	92135001	92136000	1000	1	4.98E-06	-1.4193273	8	0.8		
DMR10:99983001	10	99983001	99984000	1000	1	8.18E-06	-1.7969017	6	0.6		
DMR10:102839001	10	102839001	102840000	1000	1	6.30E-06	-1.6038966	12	1.2		
DMR10:103046001	10	103046001	103048000	2000	1	7.42E-06	-1.1466902	27	1.35		

DMR10:105641001	10	105641001	105642000	1000	1	3.74E-06	-1.2244337	16	1.6	AC123144.1;RF00213;St6gal nac2	Golgi
DMR10:108177001	10	108177001	108178000	1000	1	5.35E-06	-1.528938	11	1.1		
DMR10:110327001	10	110327001	110329000	2000	1	2.28E-06	-1.5939893	7	0.35		
DMR11:3425001	11	3425001	3426000	1000	1	1.64E-06	-2.2988919	1	0.1		
DMR11:6381001	11	6381001	6383000	2000	1	5.63E-06	-1.8435695	7	0.35		
DMR11:6661001	11	6661001	6663000	2000	1	9.12E-06	-1.1948975	7	0.35		
DMR11:6889001	11	6889001	6890000	1000	1	2.59E-06	-1.6508086	1	0.1		
DMR11:16716001	11	16716001	16717000	1000	1	6.55E-06	-1.6703593	7	0.7		
DMR11:24326001	11	24326001	24328000	2000	1	5.49E-07	-1.7333189	8	0.4	Gabpa	Transcription
DMR11:24432001	11	24432001	24433000	1000	1	6.90E-07	1.1599433	32	3.2	App	Signaling
DMR11:25266001	11	25266001	25267000	1000	1	3.16E-06	-1.7931903	5	0.5		
DMR11:26894001	11	26894001	26897000	3000	1	3.53E-06	-1.6549843	40	1.333		
DMR11:27997001	11	27997001	27999000	2000	1	8.69E-06	-1.6667332	7	0.35		
DMR11:31035001	11	31035001	31039000	4000	1	1.65E-07	-1.5346133	45	1.125	Eva1c	Unknown
DMR11:35620001	11	35620001	35621000	1000	1	2.16E-06	-2.4022973	6	0.6	AABR07033697.2;AABR0703 3697.1	
DMR11:35871001	11	35871001	35873000	2000	1	1.62E-08	-2.3478948	20	1		
DMR11:37353001	11	37353001	37355000	2000	1	7.50E-07	1.272885	24	1.2		
DMR11:40102001	11	40102001	40103000	1000	1	2.47E-06	-1.5061838	2	0.2		
DMR11:41409001	11	41409001	41412000	3000	1	3.19E-06	-1.5364423	23	0.767	RF01183	
DMR11:44813001	11	44813001	44815000	2000	1	9.18E-07	-2.3376898	6	0.3		
DMR11:44985001	11	44985001	44987000	2000	1	3.93E-06	-1.4719553	18	0.9	Col8a1	Cytoskeleton
DMR11:46836001	11	46836001	46837000	1000	1	6.10E-06	-1.812651	6	0.6	Adgrg7	
DMR11:48537001	11	48537001	48538000	1000	1	2.25E-06	-1.7535657	4	0.4		
DMR11:49328001	11	49328001	49329000	1000	1	1.38E-07	-1.5231507	2	0.2		
DMR11:60305001	11	60305001	60306000	1000	1	6.82E-06	-1.5011098	4	0.4		
DMR11:60871001	11	60871001	60873000	2000	1	6.81E-06	-1.4398209	20	1	Cd200r1	Receptor
DMR11:63025001	11	63025001	63026000	1000	1	2.54E-09	-1.5427552	3	0.3		
DMR11:64309001	11	64309001	64310000	1000	1	4.06E-06	-1.1306168	9	0.9	Igsf11	Extracellular Matrix
DMR11:64888001	11	64888001	64891000	3000	1	5.35E-06	-1.3666201	20	0.667	Pla1a	Metabolism
DMR11:66030001	11	66030001	66031000	1000	1	3.41E-06	-1.677064	18	1.8	Hgd	Metabolism
DMR11:66739001	11	66739001	66742000	3000	1	1.43E-06	-1.4883993	38	1.267	Fbxo40;Hcls1	Transcription
DMR11:66743001	11	66743001	66744000	1000	1	1.58E-06	-1.4417968	6	0.6	Hcls1	Transcription
DMR11:77108001	11	77108001	77109000	1000	1	3.29E-06	-1.7588186	3	0.3		
DMR11:77414001	11	77414001	77416000	2000	1	8.48E-07	-1.8789685	19	0.95		
DMR11:78010001	11	78010001	78013000	3000	1	2.88E-06	-1.8875656	11	0.367		
DMR11:78309001	11	78309001	78312000	3000	1	6.43E-06	-1.727668	31	1.033	Tp63	Transcription
DMR11:81362001	11	81362001	81363000	1000	1	5.81E-06	-1.7166396	8	0.8	Rfc4	Transcription
DMR11:86269001	11	86269001	86271000	2000	1	6.41E-07	-1.9147895	9	0.45	Hira;Mrpl40	Transcription;Translation
DMR11:89045001	11	89045001	89046000	1000	1	2.31E-06	-1.5252526	8	0.8	Spidr	
DMR11:89973001	11	89973001	89974000	1000	1	9.78E-06	1.1760281	11	1.1		
DMR12:2225001	12	2225001	2226000	1000	1	2.97E-07	1.8004234	16	1.6	Mcemp1;Trappc5;Fcer2	Immune
DMR12:4032001	12	4032001	4033000	1000	1	7.91E-06	-1.3351225	7	0.7	Vom2r59	Receptor
DMR12:6563001	12	6563001	6564000	1000	1	5.77E-06	1.1558945	10	1		
DMR12:8336001	12	8336001	8339000	3000	1	4.28E-06	-1.4686767	32	1.067	Mtus2	Cytoskeleton
DMR12:9545001	12	9545001	9546000	1000	1	1.54E-06	-2.470316	3	0.3		
DMR12:14935001	12	14935001	14937000	2000	1	4.80E-07	1.207579	31	1.55	AABR07035437.1	
DMR12:15265001	12	15265001	15266000	1000	1	7.48E-06	-1.2734129	3	0.3		
DMR12:18371001	12	18371001	18372000	1000	1	9.83E-06	-1.8949597	4	0.4		
DMR12:18589001	12	18589001	18590000	1000	1	2.32E-06	-1.7947228	4	0.4		
DMR12:22597001	12	22597001	22599000	2000	1	5.70E-06	-2.1829393	25	1.25	AABR07035796.1	
DMR12:23172001	12	23172001	23173000	1000	1	4.17E-06	-1.4494296	4	0.4	Cux1	Development
DMR12:28569001	12	28569001	28571000	2000	1	1.52E-06	-1.8366425	22	1.1	AABR07035946.1	
DMR12:29397001	12	29397001	29398000	1000	1	4.28E-06	-1.5384324	7	0.7	Caln1	Signaling
DMR12:32231001	12	32231001	32232000	1000	1	6.25E-06	-1.7323469	4	0.4	Tmem132d	Unknown
DMR12:34529001	12	34529001	34530000	1000	1	7.28E-06	-1.5542644	5	0.5		
DMR12:35549001	12	35549001	35551000	2000	1	1.20E-07	-1.3225974	20	1		
DMR12:41523001	12	41523001	41525000	2000	1	4.78E-06	-1.5895404	40	2		
DMR12:41677001	12	41677001	41678000	1000	1	7.52E-06	-1.9610749	43	4.3	Lhx5	Transcription
DMR12:43955001	12	43955001	43957000	2000	1	1.70E-06	-2.0505673	29	1.45	Rnft2	
DMR12:46831001	12	46831001	46832000	1000	1	2.54E-07	-2.0255643	13	1.3	Pxn	Metabolism
DMR12:47481001	12	47481001	47483000	2000	1	3.22E-06	-1.747226	26	1.3	Oasl2	Metabolism
DMR12:48140001	12	48140001	48143000	3000	1	8.05E-06	-1.7582889	54	1.8	Acacb	Metabolism
DMR12:48167001	12	48167001	48169000	2000	1	6.73E-06	-1.7580664	31	1.55	Acacb	Metabolism
DMR12:48336001	12	48336001	48338000	2000	1	3.51E-06	-1.71797	27	1.35	Svop	Transport
DMR12:49787001	12	49787001	49788000	1000	1	4.57E-06	-1.1384697	17	1.7	Myo18b	Cytoskeleton

DMR12:50632001	12	50632001	50633000	1000	1	1.59E-06	-1.7798096	19	1.9	AABR07036626.1	
DMR13:223001	13	223001	224000	1000	1	2.76E-07	-2.5315327	6	0.6		
DMR13:577001	13	577001	578000	1000	1	9.07E-06	-2.0055891	8	0.8		
DMR13:892001	13	892001	893000	1000	1	5.25E-06	-2.0053329	3	0.3		
DMR13:3611001	13	3611001	3613000	2000	1	6.70E-06	-1.5508523	14	0.7		
DMR13:3881001	13	3881001	3882000	1000	1	1.49E-08	-2.1927513	2	0.2		
DMR13:4804001	13	4804001	4805000	1000	1	8.93E-10	-1.9916096	2	0.2		
DMR13:6658001	13	6658001	6659000	1000	1	6.02E-09	-2.1213073	2	0.2	RF00560	
DMR13:8611001	13	8611001	8612000	1000	1	5.24E-06	-2.0435106	5	0.5		
DMR13:17377001	13	17377001	17379000	2000	1	2.65E-06	-1.7686373	5	0.25		
DMR13:17424001	13	17424001	17426000	2000	1	9.43E-06	-1.4044573	9	0.45		
DMR13:20221001	13	20221001	20222000	1000	1	2.20E-06	-1.7587153	7	0.7		
DMR13:26463001	13	26463001	26464000	1000	1	1.48E-07	-1.6878632	12	1.2	LOC103690041	
DMR13:26985001	13	26985001	26986000	1000	1	6.76E-06	-1.8655015	14	1.4	Serpinb12	Signaling
DMR13:28090001	13	28090001	28091000	1000	1	2.42E-06	-1.7509784	5	0.5		
DMR13:30771001	13	30771001	30772000	1000	1	4.31E-06	-1.5544645	4	0.4		
DMR13:32464001	13	32464001	32465000	1000	1	3.97E-06	-1.4581972	5	0.5		
DMR13:34876001	13	34876001	34877000	1000	1	9.69E-06	-1.6942705	6	0.6	Gli2	Transcription
DMR13:35229001	13	35229001	35230000	1000	1	6.72E-07	-1.4447524	10	1		
DMR13:37091001	13	37091001	37094000	3000	1	7.59E-06	-1.4236628	25	0.833		
DMR13:38860001	13	38860001	38861000	1000	1	2.67E-07	-1.7772211	8	0.8		
DMR13:41956001	13	41956001	41957000	1000	1	1.85E-06	1.5221014	7	0.7		
DMR13:42888001	13	42888001	42890000	2000	1	1.46E-06	1.189006	15	0.75	Nckap5	
DMR13:44566001	13	44566001	44567000	1000	1	3.34E-06	-1.9757325	5	0.5		
DMR13:45245001	13	45245001	45247000	2000	1	8.66E-06	-1.4403421	13	0.65		
DMR13:49213001	13	49213001	49215000	2000	1	5.27E-06	-1.6395873	13	0.65	Dstyk	Signaling
DMR13:49220001	13	49220001	49221000	1000	1	2.09E-06	-1.7551412	4	0.4	Dstyk	Signaling
DMR13:49235001	13	49235001	49236000	1000	1	2.90E-09	-1.607723	6	0.6	Dstyk	Signaling
DMR13:50735001	13	50735001	50737000	2000	1	3.49E-06	-1.4925459	21	1.05	Optc	Extracellular Matrix
DMR13:55147001	13	55147001	55148000	1000	1	6.25E-06	-1.5958567	9	0.9	Ptpcr	Signaling
DMR13:57077001	13	57077001	57079000	2000	1	8.59E-07	-1.9356222	14	0.7	Cfh	Immune
DMR13:65319001	13	65319001	65320000	1000	1	6.86E-07	-2.3409624	0	0		
DMR13:65943001	13	65943001	65944000	1000	1	5.00E-06	-1.1525761	7	0.7		
DMR13:69454001	13	69454001	69456000	2000	1	1.13E-06	1.3597392	26	1.3		
DMR13:71226001	13	71226001	71228000	2000	1	2.24E-06	-1.5847279	9	0.45	Rgs1	
DMR13:77112001	13	77112001	77114000	2000	1	6.67E-06	-1.8021408	13	0.65		
DMR13:78124001	13	78124001	78125000	1000	1	1.62E-06	-1.4336007	7	0.7	Rabgap1l	Signaling
DMR13:78277001	13	78277001	78278000	1000	1	1.86E-06	-1.5249358	3	0.3	Rabgap1l	Signaling
DMR13:80084001	13	80084001	80085000	1000	1	8.38E-06	-1.259679	7	0.7	Dnm3;RF00560	Cytoskeleton
DMR13:84874001	13	84874001	84876000	2000	1	2.45E-06	-1.4423397	17	0.85		
DMR13:85321001	13	85321001	85322000	1000	1	2.24E-07	-1.4946195	15	1.5		
DMR13:87009001	13	87009001	87010000	1000	1	3.13E-06	-1.4953632	2	0.2		
DMR13:88376001	13	88376001	88379000	3000	1	9.33E-06	-1.2461851	31	1.033	Ddr2	Receptor
DMR13:89300001	13	89300001	89301000	1000	1	3.83E-06	-1.3752088	14	1.4	Fcrlb;Fcrla	Receptor
DMR13:89399001	13	89399001	89400000	1000	1	3.79E-06	-1.3957131	22	2.2	Fcgr2b;Fcgr3a	Immune
DMR13:89484001	13	89484001	89485000	1000	1	2.70E-06	-1.6830309	4	0.4	Cfap126	
DMR13:93634001	13	93634001	93636000	2000	1	4.49E-06	-1.9830063	10	0.5		
DMR13:94135001	13	94135001	94136000	1000	1	7.83E-09	-1.8000244	8	0.8	Pld5	Signaling
DMR13:95351001	13	95351001	95352000	1000	1	3.49E-06	-1.5969073	3	0.3	Akt3	Signaling
DMR13:95657001	13	95657001	95658000	1000	1	2.99E-06	-1.1376578	9	0.9		
DMR13:96547001	13	96547001	96548000	1000	1	8.82E-06	-1.8796812	4	0.4		
DMR13:97766001	13	97766001	97767000	1000	1	1.33E-06	-1.587614	8	0.8		
DMR13:99578001	13	99578001	99580000	2000	1	1.29E-06	-2.2913086	18	0.9		
DMR13:99710001	13	99710001	99712000	2000	1	5.12E-07	-1.7509778	20	1	Cnih3	Signaling
DMR13:102704001	13	102704001	102707000	3000	1	3.53E-06	-1.9366113	42	1.4	1-Mar	
DMR13:102983001	13	102983001	102984000	1000	1	4.96E-07	-1.5140616	17	1.7		
DMR13:105082001	13	105082001	105083000	1000	1	5.11E-07	-1.4091429	8	0.8	Tgfb2	Growth Factors & Cytokines
DMR13:106000001	13	106000001	106001000	1000	1	1.46E-06	-1.5292488	10	1		
DMR13:108061001	13	108061001	108063000	2000	1	7.57E-06	-1.3340449	37	1.85		
DMR13:109899001	13	109899001	109900000	1000	1	8.31E-06	-1.5192163	5	0.5	AC125873.1;AC125873.2	
DMR13:109965001	13	109965001	109966000	1000	1	3.48E-06	-1.5352093	4	0.4		
DMR13:112141001	13	112141001	112143000	2000	1	3.12E-08	-2.0231921	22	1.1		
DMR13:112473001	13	112473001	112474000	1000	1	2.14E-10	-2.0320796	12	1.2		
DMR13:112814001	13	112814001	112817000	3000	1	1.49E-06	-1.6886249	16	0.533		
DMR13:113679001	13	113679001	113680000	1000	1	4.26E-07	-2.0421272	7	0.7		
DMR14:3530001	14	3530001	3533000	3000	1	2.46E-06	-1.9532609	25	0.833	Tgfb3	Receptor
DMR14:8080001	14	8080001	8082000	2000	1	1.24E-06	-1.5132845	31	1.55	Mapk10;AABR07014301.3	Signaling

DMR14:12031001	14	12031001	12033000	2000	1	5.05E-06	-1.750279	22	1.1	Rasgef1b	Signaling
DMR14:12825001	14	12825001	12827000	2000	1	7.45E-07	-1.7567288	26	1.3		
DMR14:14417001	14	14417001	14418000	1000	1	4.93E-06	-1.4590713	11	1.1	Anxa3	Signaling
DMR14:16988001	14	16988001	16989000	1000	1	1.77E-06	-1.7248374	7	0.7	Stbd1;AC103535.1	Receptor
DMR14:17294001	14	17294001	17295000	1000	1	5.59E-07	-1.9581347	8	0.8	Naaa	Metabolism
DMR14:19033001	14	19033001	19035000	2000	1	3.07E-07	-2.065435	47	2.35	Rassf6;LOC360919	Signaling
DMR14:20119001	14	20119001	20120000	1000	1	6.93E-06	1.3560009	22	2.2		
DMR14:23703001	14	23703001	23704000	1000	1	1.77E-06	-1.501989	12	1.2		
DMR14:24505001	14	24505001	24506000	1000	1	4.35E-06	-1.7822567	7	0.7		
DMR14:25878001	14	25878001	25879000	1000	1	8.75E-06	1.2810051	10	1	Epha5	Receptor
DMR14:26005001	14	26005001	26007000	2000	1	7.84E-07	-1.9733348	11	0.55		
DMR14:28956001	14	28956001	28958000	2000	1	2.59E-06	-1.9143635	11	0.55	Adgrl3	
DMR14:29314001	14	29314001	29315000	1000	1	4.96E-06	-1.3868001	13	1.3		
DMR14:30856001	14	30856001	30860000	4000	1	3.57E-06	-1.1898007	18	0.45		
DMR14:33248001	14	33248001	33250000	2000	1	5.85E-08	-2.0396347	27	1.35	RF00026;LOC100910138	
DMR14:34750001	14	34750001	34751000	1000	1	4.12E-06	-1.4641622	15	1.5	Kdr	Receptor
DMR14:35180001	14	35180001	35181000	1000	1	4.65E-06	-1.3481344	8	0.8		
DMR14:42224001	14	42224001	42225000	1000	1	7.73E-06	-1.5839768	8	0.8	Shisa3	
DMR14:51277001	14	51277001	51278000	1000	1	6.64E-06	-1.5906126	8	0.8		
DMR14:51330001	14	51330001	51331000	1000	1	9.13E-06	-1.9440934	1	0.1		
DMR14:53101001	14	53101001	53102000	1000	1	2.80E-06	-2.1372013	2	0.2		
DMR14:55002001	14	55002001	55003000	1000	1	8.90E-10	-1.6493123	6	0.6		
DMR14:57953001	14	57953001	57954000	1000	1	4.86E-07	-1.7490403	5	0.5		
DMR14:60292001	14	60292001	60294000	2000	1	2.94E-06	-1.5760674	23	1.15		
DMR14:61592001	14	61592001	61593000	1000	1	6.14E-06	-1.950196	1	0.1		
DMR14:63399001	14	63399001	63400000	1000	1	8.39E-06	-1.6765462	8	0.8	AABR07015559.1	
DMR14:64499001	14	64499001	64500000	1000	1	4.67E-06	-1.5884013	4	0.4	Gba3;AABR07015582.1	Metabolism
DMR14:64574001	14	64574001	64576000	2000	1	5.68E-06	-1.5154903	13	0.65		
DMR14:66791001	14	66791001	66793000	2000	1	8.19E-06	-1.621008	13	0.65		
DMR14:69295001	14	69295001	69296000	1000	1	1.07E-06	1.9215486	5	0.5		
DMR14:70373001	14	70373001	70375000	2000	1	5.46E-06	-1.3982422	12	0.6		
DMR14:77628001	14	77628001	77629000	1000	1	8.78E-06	-1.5793326	7	0.7		
DMR14:83232001	14	83232001	83233000	1000	1	2.86E-06	-1.6786943	8	0.8	Prr14l	
DMR14:85007001	14	85007001	85009000	2000	1	3.59E-08	-1.3668338	14	0.7	Nf2	Cytoskeleton
DMR14:86984001	14	86984001	86985000	1000	1	3.58E-08	-1.6258412	16	1.6	AABR07015941.2	
DMR14:87688001	14	87688001	87689000	1000	1	7.21E-07	-1.7308516	6	0.6		
DMR14:91779001	14	91779001	91781000	2000	1	7.40E-06	-1.6032709	10	0.5	Ikzf1	Transcription
DMR14:92051001	14	92051001	92053000	2000	1	1.38E-06	-2.1424038	22	1.1	Grb10	Unknown
DMR14:93448001	14	93448001	93449000	1000	1	9.35E-07	-1.8302445	3	0.3		
DMR14:96205001	14	96205001	96207000	2000	1	9.75E-06	-1.7912872	11	0.55		
DMR14:96410001	14	96410001	96412000	2000	1	2.94E-06	-1.6043979	18	0.9		
DMR14:98587001	14	98587001	98588000	1000	1	4.54E-06	-1.7396175	3	0.3		
DMR14:99376001	14	99376001	99378000	2000	1	3.69E-06	-2.0522488	10	0.5		
DMR14:101014001	14	101014001	101015000	1000	1	1.32E-06	-1.7190654	9	0.9		
DMR14:101972001	14	101972001	101973000	1000	1	2.13E-06	-1.6060646	9	0.9		
DMR14:108774001	14	108774001	108776000	2000	1	8.61E-07	-1.8105944	21	1.05		
DMR14:111587001	14	111587001	111589000	2000	1	1.26E-06	-1.7043231	4	0.2		
DMR14:112892001	14	112892001	112894000	2000	1	1.62E-06	-1.8176636	13	0.65	LOC103690141;RF00015	
DMR15:3595001	15	3595001	3599000	4000	1	1.32E-07	-1.3793213	42	1.05		
DMR15:8918001	15	8918001	8921000	3000	1	9.22E-06	-1.1652593	33	1.1	Thrb	
DMR15:9472001	15	9472001	9474000	2000	1	1.31E-06	-1.6127347	13	0.65		
DMR15:13761001	15	13761001	13763000	2000	1	8.67E-06	1.225594	11	0.55		
DMR15:14946001	15	14946001	14951000	5000	1	5.04E-06	-1.7852099	53	1.06		
DMR15:15230001	15	15230001	15231000	1000	1	2.81E-06	-1.4491281	11	1.1		
DMR15:16337001	15	16337001	16338000	1000	1	4.37E-06	-1.8688053	7	0.7		
DMR15:17225001	15	17225001	17226000	1000	1	3.29E-06	-1.2206987	12	1.2		
DMR15:22399001	15	22399001	22401000	2000	1	3.96E-06	-2.1044361	24	1.2		
DMR15:23270001	15	23270001	23271000	1000	1	1.01E-06	-1.9553061	7	0.7		
DMR15:25373001	15	25373001	25375000	2000	1	4.74E-07	-1.5642262	15	0.75		
DMR15:32119001	15	32119001	32120000	1000	1	2.64E-06	-2.2216474	2	0.2		
DMR15:33067001	15	33067001	33069000	2000	1	7.15E-07	-1.8482965	19	0.95	Mrpl52;Mmp14	Protease
DMR15:41992001	15	41992001	41993000	1000	1	9.37E-07	-2.0547059	8	0.8		
DMR15:42944001	15	42944001	42945000	1000	1	6.39E-06	-1.0736901	11	1.1	Ptk2b	Signaling
DMR15:44109001	15	44109001	44112000	3000	1	7.45E-06	-1.2856845	16	0.533	Ebf2	Immune
DMR15:47323001	15	47323001	47324000	1000	1	5.93E-06	-1.3305351	8	0.8	RGD1565212	
DMR15:47944001	15	47944001	47945000	1000	1	6.70E-06	-1.7741118	4	0.4	AABR07018226.2	
DMR15:50721001	15	50721001	50724000	3000	1	4.43E-07	-1.8716635	15	0.5		

DMR15:60544001	15	60544001	60546000	2000	2	2.59E-06	-2.0695396	19	0.95		
DMR15:62064001	15	62064001	62065000	1000	1	8.89E-06	-2.1494202	11	1.1	LOC103689974	
DMR15:64371001	15	64371001	64372000	1000	1	1.18E-06	-1.7876171	1	0.1		
DMR15:69580001	15	69580001	69581000	1000	1	6.08E-06	-2.1308377	15	1.5	RF00026	
DMR15:71783001	15	71783001	71784000	1000	1	5.57E-06	1.3344339	8	0.8	Pcdh20	Extracellular Matrix
DMR15:73334001	15	73334001	73335000	1000	1	6.27E-06	-2.2120392	4	0.4		
DMR15:78561001	15	78561001	78563000	2000	1	8.90E-06	-1.5341055	11	0.55		
DMR15:84895001	15	84895001	84896000	1000	1	3.71E-06	-1.5849517	5	0.5		
DMR15:85702001	15	85702001	85703000	1000	1	4.62E-06	-1.3964824	6	0.6		
DMR15:92837001	15	92837001	92839000	2000	1	1.68E-06	-1.7477636	8	0.4	Mycbp2	Metabolism
DMR15:95996001	15	95996001	95997000	1000	1	4.65E-08	-1.8170775	1	0.1		
DMR15:101089001	15	101089001	101090000	1000	1	1.87E-07	-2.2423191	7	0.7		
DMR15:108875001	15	108875001	108878000	3000	1	9.36E-06	-1.4257883	13	0.433	AC123185.3	
DMR15:110418001	15	110418001	110419000	1000	1	1.11E-06	-2.0148279	6	0.6	Fgf14	
DMR15:111117001	15	111117001	111118000	1000	1	8.75E-07	1.2020827	16	1.6		
DMR16:848001	16	848001	849000	1000	1	5.14E-06	-1.7480419	4	0.4		
DMR16:4482001	16	4482001	4483000	1000	1	8.22E-06	-1.5650857	7	0.7	Wnt5a	Signaling
DMR16:4682001	16	4682001	4683000	1000	1	2.47E-06	-1.6333625	4	0.4		
DMR16:7702001	16	7702001	7703000	1000	1	1.62E-06	-1.6715592	14	1.4		
DMR16:8016001	16	8016001	8018000	2000	1	8.83E-06	-1.683732	18	0.9		
DMR16:17865001	16	17865001	17866000	1000	1	5.70E-07	-1.77694	3	0.3		
DMR16:20165001	16	20165001	20166000	1000	1	2.63E-06	-1.4771	16	1.6		
DMR16:20688001	16	20688001	20689000	1000	1	8.80E-06	-1.2635482	17	1.7	Crif1;Tmem59l	Growth Factors & Cytokines;Development
DMR16:21090001	16	21090001	21091000	1000	1	3.64E-06	-1.5654119	4	0.4	Hapln4;Tm6sf2;Supp1	Extracellular Matrix
DMR16:22568001	16	22568001	22570000	2000	1	4.85E-07	-1.9131115	15	0.75	Lpl;AABR07024955.1	Metabolism
DMR16:30327001	16	30327001	30330000	3000	1	7.27E-06	-1.4439243	27	0.9		
DMR16:32278001	16	32278001	32279000	1000	1	3.87E-06	-1.4098707	16	1.6		
DMR16:37080001	16	37080001	37081000	1000	1	1.60E-06	-1.6070234	5	0.5		
DMR16:37558001	16	37558001	37559000	1000	1	6.42E-06	-1.6972445	3	0.3		
DMR16:39311001	16	39311001	39312000	1000	1	5.57E-08	-2.036952	3	0.3		
DMR16:44443001	16	44443001	44444000	1000	1	1.63E-06	-1.4140111	5	0.5		
DMR16:45034001	16	45034001	45035000	1000	1	1.68E-06	-1.899505	6	0.6		
DMR16:48490001	16	48490001	48492000	2000	1	9.43E-07	-1.7476035	15	0.75		
DMR16:49114001	16	49114001	49116000	2000	1	3.06E-06	-2.3249715	6	0.3		
DMR16:50607001	16	50607001	50608000	1000	1	5.59E-06	-1.4490793	2	0.2		
DMR16:50666001	16	50666001	50669000	3000	1	9.90E-06	-1.9379025	9	0.3		
DMR16:55008001	16	55008001	55012000	4000	1	4.01E-08	-1.4116149	33	0.825	Zdhhc2	Transcription
DMR16:56198001	16	56198001	56199000	1000	1	8.41E-07	-1.4384878	3	0.3		
DMR16:56266001	16	56266001	56268000	2000	1	9.97E-07	-2.0925097	8	0.4	Tusc3	Metabolism
DMR16:58080001	16	58080001	58081000	1000	1	2.67E-06	-1.5414944	6	0.6		
DMR16:59133001	16	59133001	59134000	1000	1	8.43E-06	-1.0550541	13	1.3	Dlc1;AABR07026015.1	Signaling
DMR16:61614001	16	61614001	61615000	1000	1	6.44E-06	1.769816	12	1.2		
DMR16:64617001	16	64617001	64619000	2000	1	4.12E-06	-1.7453932	30	1.5		
DMR16:65644001	16	65644001	65645000	1000	1	3.18E-06	-1.7532427	7	0.7		
DMR16:67138001	16	67138001	67142000	4000	1	2.04E-06	-1.3733862	44	1.1	RF00204	
DMR16:76136001	16	76136001	76139000	3000	1	3.57E-06	1.2799427	27	0.9		
DMR16:76489001	16	76489001	76492000	3000	1	5.31E-06	-1.6079373	31	1.033		
DMR16:77240001	16	77240001	77241000	1000	1	2.08E-06	-1.5728857	5	0.5		
DMR16:82236001	16	82236001	82239000	3000	1	2.04E-07	-1.5329172	5	0.167	Tubgcp3	Cytoskeleton
DMR16:83160001	16	83160001	83161000	1000	1	5.11E-06	1.7865744	16	1.6	AABR07026557.1	
DMR16:84671001	16	84671001	84672000	1000	1	6.29E-06	-1.74602	8	0.8	Myo16	Cytoskeleton
DMR16:85959001	16	85959001	85960000	1000	1	7.44E-06	-1.9758145	7	0.7		
DMR16:86262001	16	86262001	86263000	1000	1	1.93E-06	-1.5321385	20	2		
DMR16:86302001	16	86302001	86304000	2000	2	1.03E-08	-2.0842573	11	0.55		
DMR16:86709001	16	86709001	86710000	1000	1	8.46E-06	-1.3662001	16	1.6		
DMR16:89179001	16	89179001	89180000	1000	1	4.45E-07	-2.0049932	2	0.2		
DMR16:89925001	16	89925001	89927000	2000	1	7.93E-07	-1.9137488	3	0.15		
DMR17:781001	17	781001	783000	2000	1	4.31E-06	-2.1174735	20	1	Npepo	Proteolysis
DMR17:1471001	17	1471001	1475000	4000	1	1.77E-06	-2.0262044	53	1.325		
DMR17:3925001	17	3925001	3926000	1000	1	4.70E-06	-1.8112419	2	0.2	MGC114246	
DMR17:6108001	17	6108001	6110000	2000	1	6.88E-06	-1.8128489	24	1.2	Ntrk2	Receptor
DMR17:6895001	17	6895001	6896000	1000	1	8.45E-06	-1.2029428	22	2.2	Idnk	
DMR17:10207001	17	10207001	10208000	1000	1	4.96E-07	-1.6435224	21	2.5	Unc5a	Receptor
DMR17:13954001	17	13954001	13955000	1000	1	5.04E-06	-1.2382294	5	0.1		
DMR17:16737001	17	16737001	16739000	2000	1	8.44E-06	-1.5667699	20	1		
DMR17:21459001	17	21459001	21460000	1000	1	6.78E-07	-1.4990411	8	0.8	AABR07027258.1	

DMR17:21811001	17	21811001	21814000	3000	1	3.86E-06	-1.6029339	38	1.267		
DMR17:27551001	17	27551001	27553000	2000	1	1.27E-06	-1.6005062	28	1.4	Rreb1	Signaling
DMR17:30089001	17	30089001	30090000	1000	1	9.15E-06	-1.6284675	3	0.3		
DMR17:39320001	17	39320001	39322000	2000	1	5.40E-06	-1.5516966	5	0.25	Prl8a4	
DMR17:42348001	17	42348001	42349000	1000	1	6.28E-06	-1.5552432	17	1.7	Ripor2	
DMR17:43852001	17	43852001	43853000	1000	1	8.21E-06	1.2153905	12	1.2		
DMR17:45156001	17	45156001	45157000	1000	1	1.40E-09	-2.2000018	5	0.5	RF00066;Zkscan4	
DMR17:46149001	17	46149001	46151000	2000	1	3.51E-06	-1.5711284	10	0.5		
DMR17:47026001	17	47026001	47027000	1000	1	4.60E-06	-1.9230622	1	0.1		
DMR17:48492001	17	48492001	48494000	2000	1	2.72E-06	-1.4564311	11	0.55	Amph	Receptor
DMR17:50694001	17	50694001	50695000	1000	1	2.54E-06	-1.5874913	4	0.4		
DMR17:50983001	17	50983001	50985000	2000	1	2.64E-07	-1.471956	8	0.4		
DMR17:51910001	17	51910001	51911000	1000	1	6.33E-06	-1.4632817	8	0.8	Inhba	Development
DMR17:52612001	17	52612001	52613000	1000	1	6.33E-06	-1.9014791	3	0.3		
DMR17:56671001	17	56671001	56672000	1000	1	7.87E-06	-1.5798704	5	0.5		
DMR17:57838001	17	57838001	57839000	1000	1	1.64E-06	-1.5146986	13	1.3	AABR07028143.1	
DMR17:66837001	17	66837001	66838000	1000	1	7.80E-07	-1.8055257	2	0.2		
DMR17:67201001	17	67201001	67203000	2000	1	2.16E-06	-1.7498003	7	0.35	AABR07028381.1	
DMR17:67385001	17	67385001	67386000	1000	1	6.36E-06	-1.1794033	7	0.7		
DMR17:68973001	17	68973001	68974000	1000	1	4.74E-06	-1.3198614	3	0.3		
DMR17:69448001	17	69448001	69450000	2000	1	3.88E-06	-2.0914854	6	0.3	Akr1c1	Metabolism
DMR17:70585001	17	70585001	70586000	1000	1	6.11E-06	-1.5103475	10	1	Rbm17	Translation
DMR17:72528001	17	72528001	72529000	1000	1	1.91E-06	-2.1700592	2	0.2		
DMR17:73054001	17	73054001	73055000	1000	1	4.54E-06	-1.5690355	5	0.5	AABR07028511.1	
DMR17:75750001	17	75750001	75751000	1000	1	6.94E-06	-1.7828718	23	2.3		
DMR17:77369001	17	77369001	77370000	1000	1	2.51E-06	-1.7115587	11	1.1		
DMR17:78034001	17	78034001	78035000	1000	1	7.08E-06	-2.0477264	5	0.5		
DMR17:80219001	17	80219001	80220000	1000	1	9.95E-06	-1.7953633	9	0.9		
DMR17:81347001	17	81347001	81350000	3000	1	2.07E-06	-1.5051771	24	0.8	Tmem236;Mrc1	Receptor
DMR17:81443001	17	81443001	81444000	1000	1	6.79E-06	-1.3568597	14	1.4	Mrc1;AABR07028691.2	Receptor
DMR17:83786001	17	83786001	83788000	2000	1	3.83E-06	-1.6462577	9	0.45		
DMR17:85082001	17	85082001	85084000	2000	1	4.01E-06	-1.5226268	14	0.7	Dnajc1	Protein Binding
DMR17:86312001	17	86312001	86314000	2000	1	5.73E-06	-1.9222456	10	0.5	AABR07028785.1	
DMR18:4444001	18	4444001	4445000	1000	1	5.36E-06	-1.417231	15	1.5		
DMR18:5950001	18	5950001	5952000	2000	1	8.22E-06	-1.2866491	12	0.6		
DMR18:7270001	18	7270001	7271000	1000	1	1.82E-07	-1.3809348	10	1		
DMR18:8698001	18	8698001	8699000	1000	1	7.36E-06	1.490696	9	0.9	RF00100	
DMR18:10304001	18	10304001	10305000	1000	1	9.04E-06	-1.194375	3	0.3		
DMR18:15691001	18	15691001	15693000	2000	1	1.61E-06	1.7471832	39	1.95	Dsg3	Extracellular Matrix
DMR18:20588001	18	20588001	20589000	1000	1	1.43E-06	-1.5754059	3	0.3		
DMR18:23100001	18	23100001	23101000	1000	1	9.61E-07	-1.3895089	6	0.6		
DMR18:25107001	18	25107001	25109000	2000	1	4.78E-06	-1.7860064	16	0.8		
DMR18:27443001	18	27443001	27445000	2000	1	7.57E-06	-1.330652	20	1	Cdc23	Metabolism
DMR18:31956001	18	31956001	31957000	1000	1	8.26E-06	1.354331	12	1.2	Arhgap26	Signaling
DMR18:33046001	18	33046001	33049000	3000	1	4.03E-06	-1.5332365	19	0.633		
DMR18:34394001	18	34394001	34396000	2000	1	5.22E-06	-1.5544441	4	0.2		
DMR18:36039001	18	36039001	36040000	1000	1	1.78E-06	-1.4738656	11	1.1		
DMR18:37533001	18	37533001	37534000	1000	1	3.24E-06	-1.8007081	0	0		
DMR18:41696001	18	41696001	41697000	1000	1	6.37E-06	-1.8469066	4	0.4		
DMR18:42079001	18	42079001	42080000	1000	1	5.47E-06	-1.4462681	10	1	AABR07031989.1	
DMR18:42402001	18	42402001	42403000	1000	1	9.42E-06	-1.2004197	4	0.4		
DMR18:43414001	18	43414001	43415000	1000	1	6.21E-06	-2.0697855	6	0.6		
DMR18:44014001	18	44014001	44016000	2000	1	4.35E-07	-1.9641265	11	0.55		
DMR18:46403001	18	46403001	46404000	1000	1	1.31E-06	-1.4844392	6	0.6		
DMR18:46440001	18	46440001	46441000	1000	1	2.56E-06	-1.548128	3	0.3		
DMR18:55633001	18	55633001	55634000	1000	1	2.43E-06	-1.4851182	3	0.3		
DMR18:56398001	18	56398001	56399000	1000	1	3.81E-06	-1.4262489	6	0.6	Pdgfrb	Receptor
DMR18:57730001	18	57730001	57731000	1000	1	1.90E-06	-1.5861139	4	0.4	Htr4	Receptor
DMR18:58256001	18	58256001	58257000	1000	1	7.37E-06	-1.6121384	12	1.2		
DMR18:65417001	18	65417001	65418000	1000	1	1.82E-06	-1.7649582	41	4.1	Tcf4	Transcription
DMR18:67616001	18	67616001	67618000	2000	1	6.81E-07	-1.4176358	17	0.85		
DMR18:67708001	18	67708001	67709000	1000	1	9.03E-09	-2.0733453	2	0.2	AABR07032469.1	
DMR18:68066001	18	68066001	68068000	2000	1	2.34E-06	-1.5933425	8	0.4		
DMR18:68402001	18	68402001	68403000	1000	1	3.67E-06	-1.6612062	6	0.6	Ccdc68	
DMR18:69684001	18	69684001	69686000	2000	1	4.24E-07	-1.7203299	18	0.9	AABR07032518.1	
DMR18:72257001	18	72257001	72260000	3000	1	3.78E-06	-1.6807949	18	0.6	Zbtb7c	Transcription
DMR18:73299001	18	73299001	73301000	2000	1	2.65E-06	-1.456539	36	1.8	Katnal2	Cytoskeleton



DMR18:74048001	18	74048001	74049000	1000	1	2.66E-07	-1.4344484	17	1.7	AABR07032622.1;RGD1308601	Unknown
DMR18:75056001	18	75056001	75057000	1000	1	1.21E-06	-1.4364149	6	0.6	RF00003	
DMR18:78872001	18	78872001	78874000	2000	1	1.83E-06	-1.4933875	33	1.65		
DMR18:82127001	18	82127001	82128000	1000	1	7.64E-06	1.5563697	12	1.2		
DMR18:84827001	18	84827001	84828000	1000	1	6.10E-06	-1.6383041	4	0.4		
DMR18:87684001	18	87684001	87685000	1000	1	8.52E-07	-1.6560697	10	1		
DMR19:1146001	19	1146001	1147000	1000	1	1.33E-06	-1.44036	7	0.7		
DMR19:2242001	19	2242001	2243000	1000	1	8.78E-07	-1.8671518	5	0.5		
DMR19:3572001	19	3572001	3573000	1000	1	8.87E-06	-2.1236804	6	0.6		
DMR19:9013001	19	9013001	9015000	2000	1	4.31E-06	-2.1823272	13	0.65	LOC100910721	Transcription
DMR19:9425001	19	9425001	9426000	1000	1	4.26E-06	-2.6688313	1	0.1		
DMR19:10241001	19	10241001	10244000	3000	1	2.28E-07	-1.9261733	52	1.733		
DMR19:10982001	19	10982001	10983000	1000	1	1.39E-06	-1.762896	8	0.8	Nlrc5;AABR07042821.1	
DMR19:15189001	19	15189001	15190000	1000	1	1.48E-07	-2.5341047	7	0.7	Ces1d;Ces1c	Metabolism
DMR19:17113001	19	17113001	17114000	1000	1	2.25E-06	1.2333435	13	1.3	Fto;Rpgr1l	Metabolism
DMR19:17950001	19	17950001	17951000	1000	1	9.16E-06	-1.4471335	4	0.4		
DMR19:18092001	19	18092001	18093000	1000	1	3.12E-06	1.607364	10	1	Tox3	Transcription
DMR19:18229001	19	18229001	18230000	1000	1	7.52E-06	-1.7616087	2	0.2		
DMR19:19581001	19	19581001	19583000	2000	1	3.54E-07	-1.6282389	29	1.45		
DMR19:22000001	19	22000001	22003000	3000	1	9.66E-06	-1.3676644	32	1.067		
DMR19:22954001	19	22954001	22955000	1000	1	5.34E-06	-1.959567	1	0.1	RF01295	
DMR19:23649001	19	23649001	23651000	2000	1	4.05E-06	-1.5485012	13	0.65		
DMR19:26303001	19	26303001	26305000	2000	1	4.65E-06	-1.2646536	8	0.4		
DMR19:28173001	19	28173001	28175000	2000	1	5.06E-06	-1.7636233	24	1.2		
DMR19:30054001	19	30054001	30055000	1000	1	6.92E-06	-1.4142809	2	0.2		
DMR19:31145001	19	31145001	31146000	1000	1	6.56E-06	1.0373494	14	1.4		
DMR19:34341001	19	34341001	34342000	1000	1	9.28E-06	-1.4285433	13	1.3	Arhgap10	Signaling
DMR19:35734001	19	35734001	35735000	1000	1	8.53E-06	-2.5094923	2	0.2		
DMR19:36191001	19	36191001	36192000	1000	1	3.79E-06	-1.7462074	5	0.5	AABR07043702.1	
DMR19:39557001	19	39557001	39559000	2000	1	2.48E-06	-1.4890947	33	1.65	Wwp2	Metabolism
DMR19:40545001	19	40545001	40546000	1000	1	8.37E-06	-1.6764205	8	0.8		
DMR19:40703001	19	40703001	40704000	1000	1	4.54E-06	-1.7717038	2	0.2		
DMR19:42890001	19	42890001	42892000	2000	1	2.38E-06	-1.6152415	22	1.1	Zfhx3	Transcription
DMR19:48436001	19	48436001	48437000	1000	1	8.52E-09	-1.933017	2	0.2		
DMR19:53831001	19	53831001	53832000	1000	1	6.56E-06	-1.3460537	17	1.7	AABR07044049.1	
DMR19:53889001	19	53889001	53893000	4000	1	3.78E-06	-1.6710191	50	1.25	AABR07044049.1	
DMR19:58101001	19	58101001	58104000	3000	1	2.26E-06	-1.846254	24	0.8		
DMR19:58612001	19	58612001	58614000	2000	1	9.12E-06	-1.3254591	18	0.9	Pcnx2	
DMR19:59848001	19	59848001	59849000	1000	1	5.07E-06	-1.6499393	9	0.9		
DMR19:60705001	19	60705001	60707000	2000	1	2.98E-06	-2.0505535	14	0.7		
DMR19:61498001	19	61498001	61499000	1000	1	8.70E-07	-2.4627173	4	0.4		
DMR20:2610001	20	2610001	2612000	2000	1	4.87E-06	-1.353053	14	0.7	AC120486.10;RF00100	
DMR20:3166001	20	3166001	3167000	1000	1	1.46E-07	-1.8709299	5	0.5	AABR07044362.3;RT1-S2;AABR07044362.5;AABR07044362.2;RT1-N3;AABR07044362.4;RT1-S3	Immune
DMR20:5345001	20	5345001	5347000	2000	1	9.24E-06	-1.2207813	25	1.25	AABR07044420.1;AABR07044420.2;RT1-A1;AABR07044421.1	Immune
DMR20:10587001	20	10587001	10590000	3000	1	6.98E-06	-3.0042179	40	1.333	RF00026;LOC102554931	
DMR20:13524001	20	13524001	13526000	2000	1	8.80E-06	-2.0140176	13	0.65	Slc5a4b	
DMR20:16950001	20	16950001	16952000	2000	1	8.80E-06	-1.4432735	19	0.95		
DMR20:17239001	20	17239001	17241000	2000	1	3.35E-06	-1.9929368	7	0.35		
DMR20:21362001	20	21362001	21364000	2000	1	3.89E-06	-1.7286343	19	0.95	Cabco1	
DMR20:22138001	20	22138001	22140000	2000	1	9.06E-06	-1.3108284	21	1.05		
DMR20:26799001	20	26799001	26800000	1000	1	3.20E-06	-1.5657481	3	0.3	Herc4	Metabolism
DMR20:26919001	20	26919001	26921000	2000	1	5.14E-06	-2.2250595	18	0.9	Dnajc12	Protein Binding
DMR20:27146001	20	27146001	27147000	1000	1	6.24E-06	-1.4279662	7	0.7		
DMR20:27900001	20	27900001	27901000	1000	1	3.99E-06	-1.3406278	7	0.7		
DMR20:30408001	20	30408001	30409000	1000	1	7.23E-06	1.1428524	19	1.9	Unc5b	Receptor
DMR20:32333001	20	32333001	32334000	1000	1	7.96E-06	1.0935078	13	1.3	Stox1	
DMR20:33682001	20	33682001	33684000	2000	1	3.98E-06	-1.7220709	15	0.75		
DMR20:35813001	20	35813001	35814000	1000	1	4.27E-07	-1.8572832	3	0.3		
DMR20:36959001	20	36959001	36961000	2000	1	5.58E-06	-1.8861186	6	0.3		
DMR20:37849001	20	37849001	37850000	1000	1	3.16E-06	-1.7217291	7	0.7		

DMR20:38925001	20	38925001	38926000	1000	1	1.38E-06	-1.3682777	3	0.3	Hsf2	Signaling
DMR20:42187001	20	42187001	42188000	1000	1	3.64E-06	-1.9236006	6	0.6		
DMR20:42913001	20	42913001	42915000	2000	1	7.41E-06	-1.5193803	22	1.1		
DMR20:43213001	20	43213001	43214000	1000	1	2.92E-06	-2.3673441	11	1.1		
DMR20:44099001	20	44099001	44101000	2000	1	3.94E-06	-1.8248523	41	2.05	Lama4	Extracellular Matrix
DMR20:45061001	20	45061001	45062000	1000	1	1.33E-06	-1.5886745	9	0.9	RGD1561777	Metabolism
DMR20:45861001	20	45861001	45862000	1000	1	2.66E-06	-1.729562	6	0.6		
DMR20:46207001	20	46207001	46209000	2000	1	7.64E-06	-1.2649521	20	1	Mical1;Smpd2;Ppil6	Metabolism
DMR20:47644001	20	47644001	47645000	1000	1	4.31E-06	-1.8811883	6	0.6	Scml4	Transcription
DMR20:50096001	20	50096001	50099000	3000	1	3.34E-06	-1.2973934	42	1.4		
DMRX:124001	X	124001	127000	3000	1	7.02E-06	-2.1956677	14	0.467		
DMRX:3104001	X	3104001	3105000	1000	1	3.22E-06	-1.7235484	2	0.2		
DMRX:4647001	X	4647001	4648000	1000	1	3.38E-07	-1.7757059	2	0.2		
DMRX:5557001	X	5557001	5558000	1000	1	8.59E-06	-1.4247423	4	0.4	Fundc1	
DMRX:6263001	X	6263001	6264000	1000	1	1.86E-06	-2.5387916	4	0.4	LOC100909913	Signaling
DMRX:8857001	X	8857001	8858000	1000	1	9.57E-06	-1.6600706	6	0.6		
DMRX:9716001	X	9716001	9717000	1000	1	7.81E-08	-1.6236435	2	0.2		
DMRX:16095001	X	16095001	16096000	1000	1	4.02E-06	1.247054	15	1.5	Clcn5	Metabolism
DMRX:16556001	X	16556001	16557000	1000	1	9.64E-06	-1.318741	6	0.6		
DMRX:16883001	X	16883001	16885000	2000	1	7.11E-06	-1.1708137	11	0.55	Shroom4	Receptor
DMRX:18158001	X	18158001	18159000	1000	1	7.33E-07	-1.6592263	3	0.3	AABR07037307.1	
DMRX:20373001	X	20373001	20374000	1000	1	6.12E-06	-1.9007173	4	0.4	Wnk3	Signaling
DMRX:27055001	X	27055001	27056000	1000	1	6.28E-06	-1.6649925	6	0.6		
DMRX:32450001	X	32450001	32452000	2000	1	5.71E-06	-1.4654272	5	0.25		
DMRX:33171001	X	33171001	33172000	1000	1	6.17E-06	-1.2559266	2	0.2	RF00554	
DMRX:35776001	X	35776001	35777000	1000	1	1.56E-06	-1.495999	4	0.4	Cdkl5;Rs1	Signaling
DMRX:42284001	X	42284001	42285000	1000	1	4.01E-06	-1.7430222	7	0.7		
DMRX:43857001	X	43857001	43860000	3000	1	2.85E-06	-1.205172	36	1.2		
DMRX:44981001	X	44981001	44983000	2000	1	6.67E-06	-2.2657329	4	0.2	Tbl1x	Unknown
DMRX:53478001	X	53478001	53479000	1000	1	5.34E-06	-1.1983763	3	0.3	Dmd	Development
DMRX:54660001	X	54660001	54662000	2000	1	8.31E-06	-1.6032101	10	0.5		
DMRX:55516001	X	55516001	55518000	2000	1	6.61E-06	-1.4483839	9	0.45	Il1rapl1	Receptor
DMRX:66369001	X	66369001	66370000	1000	1	9.18E-06	-1.4166555	1	0.1		
DMRX:68876001	X	68876001	68878000	2000	1	1.00E-07	-1.6943977	10	0.5	AABR07039133.1	
DMRX:81357001	X	81357001	81358000	1000	1	3.12E-06	1.2418947	8	0.8		
DMRX:83771001	X	83771001	83772000	1000	1	2.30E-06	1.9095939	7	0.7	Sat1l	
DMRX:97350001	X	97350001	97351000	1000	1	7.43E-07	-2.1388393	6	0.6		
DMRX:104821001	X	104821001	104822000	1000	1	8.46E-06	-1.8814199	1	0.1	Sytl4	Transport
DMRX:111128001	X	111128001	111130000	2000	1	2.16E-06	-1.8509797	11	0.55	Cldn2	Cytoskeleton
DMRX:111638001	X	111638001	111639000	1000	1	9.15E-07	-1.50699	5	0.5		
DMRX:113722001	X	113722001	113723000	1000	1	5.04E-06	-2.2390442	8	0.8		
DMRX:116650001	X	116650001	116654000	4000	1	6.50E-06	-1.9215173	23	0.575		
DMRX:117732001	X	117732001	117734000	2000	1	4.87E-06	-2.0471104	7	0.35		
DMRX:120788001	X	120788001	120790000	2000	1	2.83E-06	-1.6727904	5	0.25		
DMRX:122399001	X	122399001	122400000	1000	1	3.26E-06	-1.1788772	6	0.6		
DMRX:123376001	X	123376001	123377000	1000	1	8.88E-06	-1.768951	3	0.3	Slc25a43;RF00340	Binding Protein
DMRX:128471001	X	128471001	128472000	1000	1	8.31E-07	-2.1170507	1	0.1		
DMRX:131110001	X	131110001	131111000	1000	1	7.06E-07	-1.6893665	3	0.3		
DMRX:133202001	X	133202001	133203000	1000	1	7.04E-06	1.3772721	7	0.7		
DMRX:136186001	X	136186001	136187000	1000	1	4.73E-06	-1.8512658	3	0.3	Enox2	Transcription
DMRX:137289001	X	137289001	137290000	1000	1	8.33E-06	-1.9119073	1	0.1		
DMRX:137905001	X	137905001	137906000	1000	1	4.27E-06	-2.0934034	3	0.3		
DMRX:139489001	X	139489001	139490000	1000	1	7.25E-07	-1.6020377	5	0.5	AABR07041778.4	
DMRX:140003001	X	140003001	140004000	1000	1	2.08E-07	-2.0459127	4	0.4	AABR07041779.1	
DMRX:140521001	X	140521001	140522000	1000	1	3.81E-06	-1.9619132	4	0.4		
DMRX:147734001	X	147734001	147735000	1000	1	4.91E-07	-1.9332344	3	0.3		
DMRX:149602001	X	149602001	149603000	1000	1	1.47E-07	-1.7204659	2	0.2	RF00026	
DMRX:154403001	X	154403001	154405000	2000	2	5.42E-07	-1.885391	8	0.4		
DMRX:157114001	X	157114001	157115000	1000	1	7.85E-07	-1.6112034	3	0.3	Bcap31	Transport
DMRX:158462001	X	158462001	158464000	2000	1	2.57E-07	-1.8177926	13	0.65		
DMRY:1841001	Y	1841001	1842000	1000	1	8.66E-08	-3.2455051	38	3.8		
DMRY:1849001	Y	1849001	1853000	4000	1	3.28E-07	-3.0095936	135	3.375		
DMRY:3209001	Y	3209001	3210000	1000	1	3.58E-07	-3.1221184	1	0.1		