

**Supplemental Table S8**  
**Site Table ALM 1e-05**

DMR Name	Chr	Start	Stop	Length	# Sig Win	minP	maxLFC	CpG #	CpG Density	DMR Associated Gene Annotation	Gene Category
DMR1:562001	1	562001	563000	1000	1	2.11E-06	0.8633674	7	0.7		
DMR1:8801001	1	8801001	8802000	1000	1	7.43E-06	1.1493444	9	0.9		
DMR1:12906001	1	12906001	12908000	2000	1	7.45E-07	-0.635897	95	4.75	AC128394.1;Txlnb	Immune
DMR1:13697001	1	13697001	13698000	1000	1	1.43E-06	-0.9087961	41	4.1	Nhsl1	
DMR1:20187001	1	20187001	20188000	1000	1	2.16E-06	1.0575193	10	1		
DMR1:21877001	1	21877001	21879000	2000	1	8.50E-06	0.9417836	13	0.65		
DMR1:24233001	1	24233001	24235000	2000	1	9.90E-06	0.8781399	17	0.85	Sgk1	Signaling
DMR1:25728001	1	25728001	25729000	1000	1	2.15E-06	1.2934162	6	0.6	Trdn	Cytoskeleton
DMR1:26992001	1	26992001	26995000	3000	1	2.95E-06	-0.4409618	79	2.633		
DMR1:31766001	1	31766001	31767000	1000	1	4.98E-06	0.9113758	6	0.6	Slc9a3	Transport
DMR1:35367001	1	35367001	35369000	2000	1	6.31E-08	0.9840776	6	0.3		
DMR1:39430001	1	39430001	39435000	5000	1	6.96E-06	-0.5544284	157	3.14		
DMR1:39531001	1	39531001	39543000	12000	1	1.24E-08	-0.6081706	488	4.067		
DMR1:44731001	1	44731001	44732000	1000	1	8.65E-07	0.9627356	4	0.4		
DMR1:45091001	1	45091001	45092000	1000	1	1.69E-07	1.0157285	5	0.5		
DMR1:48014001	1	48014001	48017000	3000	1	1.10E-06	-0.6542769	69	2.3	Acat2l1;Tcp1	Development
DMR1:58719001	1	58719001	58720000	1000	1	6.67E-07	1.1333841	4	0.4		
DMR1:60366001	1	60366001	60368000	2000	1	8.96E-07	-1.1157783	51	2.55		
DMR1:63064001	1	63064001	63065000	1000	1	7.90E-09	1.3012583	3	0.3		
DMR1:65355001	1	65355001	65357000	2000	1	5.75E-06	0.8457675	6	0.3		
DMR1:67864001	1	67864001	67865000	1000	1	6.79E-06	-0.9320692	23	2.3		
DMR1:70597001	1	70597001	70599000	2000	1	4.73E-06	-0.5360818	58	2.9		
DMR1:75030001	1	75030001	75031000	1000	1	5.44E-06	1.1854299	8	0.8		
DMR1:84516001	1	84516001	84518000	2000	1	8.92E-06	-0.7363645	73	3.65		
DMR1:89899001	1	89899001	89902000	3000	1	6.86E-06	0.7663706	39	1.3	Scgb2b24;Scgb1b24	Unknown
DMR1:90394001	1	90394001	90395000	1000	1	2.42E-06	0.8456841	8	0.8		
DMR1:93047001	1	93047001	93048000	1000	1	7.23E-06	1.5956175	6	0.6		
DMR1:93267001	1	93267001	93269000	2000	1	9.56E-06	-0.7399702	49	2.45		
DMR1:95427001	1	95427001	95428000	1000	1	8.15E-06	-1.2788123	10	1	AABR07003056.2	
DMR1:95993001	1	95993001	96002000	9000	1	8.78E-06	-0.5568763	185	2.056		
DMR1:96033001	1	96033001	96034000	1000	1	5.13E-06	1.004089	5	0.5		
DMR1:100549001	1	100549001	100550000	1000	1	4.62E-06	-0.8023866	30	3	Pold1;Nr1h2	Transcription;Receptor
DMR1:110568001	1	110568001	110569000	1000	1	7.21E-08	1.0213898	10	1		
DMR1:111328001	1	111328001	111329000	1000	1	5.05E-06	1.0753839	7	0.7		
DMR1:114310001	1	114310001	114311000	1000	1	7.40E-08	-1.2359341	19	1.9	Cyfp1	Signaling
DMR1:124657001	1	124657001	124658000	1000	1	1.03E-06	0.996291	12	1.2	AABR07004100.1	
DMR1:127337001	1	127337001	127338000	1000	1	8.04E-06	-1.1168932	39	3.9	Aldh1a3	Metabolism
DMR1:150706001	1	150706001	150707000	1000	1	2.05E-06	1.1743948	5	0.5		
DMR1:151657001	1	151657001	151658000	1000	1	4.38E-09	1.1932955	3	0.3	Grm5	Receptor
DMR1:153583001	1	153583001	153584000	1000	1	9.95E-06	0.9434499	5	0.5	Fzd4	Receptor
DMR1:165725001	1	165725001	165726000	1000	1	3.49E-07	0.7215658	8	0.8	Fam168a	
DMR1:167422001	1	167422001	167423000	1000	1	3.34E-06	-1.4733037	12	1.2	Stim1	Signaling
DMR1:168079001	1	168079001	168080000	1000	1	7.00E-06	1.0982381	6	0.6	LOC684365;LOC684376	
DMR1:172427001	1	172427001	172428000	1000	1	9.18E-06	0.8777915	6	0.6		
DMR1:179684001	1	179684001	179685000	1000	1	9.39E-06	0.9448698	4	0.4		
DMR1:180287001	1	180287001	180288000	1000	1	3.45E-06	0.9342053	2	0.2		
DMR1:180466001	1	180466001	180468000	2000	2	8.67E-08	-0.820478	78	3.9		
DMR1:182158001	1	182158001	182159000	1000	1	3.48E-06	-0.613446	21	2.1		
DMR1:183760001	1	183760001	183762000	2000	1	6.28E-06	0.8003627	19	0.95	LOC691427	
DMR1:185334001	1	185334001	185335000	1000	1	3.37E-06	1.2154054	20	2	Pik3c2a;RF00016	Signaling
DMR1:188757001	1	188757001	188758000	1000	1	3.41E-06	1.0094311	5	0.5		
DMR1:196962001	1	196962001	196964000	2000	1	1.63E-06	1.005229	21	1.05	Il4r	Receptor
DMR1:201322001	1	201322001	201324000	2000	1	1.17E-06	-0.7994359	43	2.15	Tacc2	Unknown
DMR1:209076001	1	209076001	209078000	2000	1	6.39E-08	1.26107	35	1.75	AABR07005961.1	
DMR1:211662001	1	211662001	211663000	1000	1	1.82E-07	-1.1662516	17	1.7		
DMR1:212653001	1	212653001	212654000	1000	1	2.53E-06	-1.1667952	13	1.3	Olr287	
DMR1:217489001	1	217489001	217490000	1000	1	7.90E-06	-1.1635062	23	2.3	Shank2	Protein Binding
DMR1:218556001	1	218556001	218557000	1000	1	2.98E-06	1.0967498	3	0.3		
DMR1:220678001	1	220678001	220679000	1000	1	9.40E-06	0.8053233	2	0.2	Gal3st3	Golgi

DMR1:221307001	1	221307001	221308000	1000	1	1.44E-06	-1.0947385	18	1.8	Pola2	Transcription
DMR1:222294001	1	222294001	222295000	1000	1	7.23E-10	1.8633165	10	1	Stip1	
DMR1:223681001	1	223681001	223683000	2000	1	1.94E-06	-0.4228166	57	2.85		
DMR1:223770001	1	223770001	223771000	1000	1	9.83E-06	-0.6118815	46	4.6		
DMR1:228869001	1	228869001	228871000	2000	1	8.50E-06	0.9512894	10	0.5		
DMR1:229900001	1	229900001	229901000	1000	1	5.53E-06	1.5323362	5	0.5	Olr348	
DMR1:230836001	1	230836001	230837000	1000	1	1.31E-06	1.0002434	4	0.4		
DMR1:242933001	1	242933001	242935000	2000	1	3.15E-06	0.9020562	12	0.6		
DMR1:249940001	1	249940001	249941000	1000	1	1.29E-06	0.9069601	7	0.7		
DMR1:253673001	1	253673001	253674000	1000	1	7.37E-07	1.1102343	2	0.2		
DMR1:256661001	1	256661001	256662000	1000	1	3.24E-07	-1.1850772	19	1.9	Myof	Cytoskeleton
DMR1:259464001	1	259464001	259465000	1000	1	6.78E-06	0.8290118	18	1.8	Sorbs1	Cytoskeleton
DMR1:260312001	1	260312001	260313000	1000	1	7.62E-06	0.8989513	2	0.2	Dntt	Transcription
DMR1:265450001	1	265450001	265453000	3000	1	1.57E-06	1.0374975	36	1.2		
DMR1:268028001	1	268028001	268029000	1000	1	5.94E-06	0.8253444	7	0.7		
DMR1:275497001	1	275497001	275498000	1000	1	1.24E-06	1.2412416	1	0.1		
DMR2:4023001	2	4023001	4024000	1000	1	3.34E-06	0.8337351	4	0.4	Mctp1;AC097940.1	Unknown
DMR2:4325001	2	4325001	4326000	1000	1	3.28E-06	1.4302407	5	0.5	RGD1560883	Unknown
DMR2:12636001	2	12636001	12637000	1000	1	1.39E-06	1.2013169	5	0.5		
DMR2:13184001	2	13184001	13185000	1000	1	4.66E-09	1.5226086	5	0.5		
DMR2:16844001	2	16844001	16845000	1000	1	3.34E-07	-1.055561	19	1.9		
DMR2:18597001	2	18597001	18599000	2000	1	4.13E-07	1.216894	11	0.55		
DMR2:20804001	2	20804001	20805000	1000	1	1.47E-06	-0.6100149	47	4.7		
DMR2:21449001	2	21449001	21450000	1000	1	3.85E-06	0.949816	5	0.5		
DMR2:25484001	2	25484001	25485000	1000	1	6.56E-06	0.9581482	8	0.8		
DMR2:29467001	2	29467001	29469000	2000	1	1.32E-06	1.1931929	9	0.45	Zfp366	Transcription
DMR2:35133001	2	35133001	35134000	1000	1	4.39E-06	0.7478881	4	0.4		
DMR2:40224001	2	40224001	40225000	1000	1	8.86E-06	1.6392067	3	0.3		
DMR2:41673001	2	41673001	41674000	1000	1	9.04E-08	1.7521632	10	1	Rab3c	Signaling
DMR2:45772001	2	45772001	45775000	3000	1	9.55E-07	-0.9787053	42	1.4	Arl15	Signaling
DMR2:53108001	2	53108001	53109000	1000	1	1.67E-09	1.2282214	4	0.4	Selenop;Ccdc152	
DMR2:63221001	2	63221001	63222000	1000	1	5.25E-06	0.908413	4	0.4		
DMR2:67646001	2	67646001	67647000	1000	1	5.20E-07	1.143351	3	0.3		
DMR2:70136001	2	70136001	70137000	1000	1	2.79E-07	0.9911235	0	0		
DMR2:85368001	2	85368001	85369000	1000	1	1.31E-06	0.803035	4	0.4	RF01156;Sema5a	Signaling
DMR2:88524001	2	88524001	88526000	2000	1	3.01E-06	-0.7280822	51	2.55	LOC361914	
DMR2:91537001	2	91537001	91538000	1000	1	3.17E-06	1.1544055	2	0.2		
DMR2:97456001	2	97456001	97459000	3000	1	4.78E-06	0.909321	15	0.5		
DMR2:101289001	2	101289001	101290000	1000	1	7.42E-06	0.965363	6	0.6		
DMR2:101393001	2	101393001	101394000	1000	1	6.73E-07	0.9560019	1	0.1		
DMR2:102572001	2	102572001	102573000	1000	1	3.63E-06	1.2199823	6	0.6		
DMR2:106070001	2	106070001	106073000	3000	1	5.03E-06	0.9952766	11	0.367		
DMR2:110810001	2	110810001	110811000	1000	1	4.17E-06	1.2181571	6	0.6		
DMR2:110936001	2	110936001	110938000	2000	1	9.56E-06	1.2283831	8	0.4		
DMR2:116583001	2	116583001	116584000	1000	1	1.51E-06	0.9371689	5	0.5		
DMR2:130965001	2	130965001	130966000	1000	1	2.23E-08	1.1057057	2	0.2		
DMR2:156966001	2	156966001	156970000	4000	1	5.40E-06	-0.5882655	121	3.025		
DMR2:156977001	2	156977001	157002000	25000	3	1.70E-08	-0.3500491	925	3.7		
DMR2:160277001	2	160277001	160278000	1000	1	2.71E-07	-0.8441789	32	3.2		
DMR2:160607001	2	160607001	160609000	2000	1	7.37E-08	-0.9611672	60	3		
DMR2:161873001	2	161873001	161875000	2000	1	9.93E-06	-0.8506459	50	2.5		
DMR2:161943001	2	161943001	161945000	2000	1	5.91E-06	-0.6641918	64	3.2		
DMR2:163122001	2	163122001	163123000	1000	1	2.10E-07	-0.6508088	59	5.9		
DMR2:163297001	2	163297001	163300000	3000	1	1.94E-06	-0.7749972	50	1.667		
DMR2:163621001	2	163621001	163625000	4000	1	5.70E-06	-0.6196559	98	2.45		
DMR2:179221001	2	179221001	179222000	1000	1	2.31E-07	1.0210235	3	0.3		
DMR2:180518001	2	180518001	180519000	1000	1	1.07E-06	-0.8077544	28	2.8		
DMR2:182722001	2	182722001	182723000	1000	1	1.53E-08	-1.1576057	29	2.9	AABR07012023.1;Sfrp2	Development
DMR2:186189001	2	186189001	186191000	2000	1	5.57E-07	1.2499812	19	0.95	Dclk2	Signaling
DMR2:194523001	2	194523001	194524000	1000	1	1.27E-06	-1.1402741	20	2		
DMR2:199866001	2	199866001	199867000	1000	1	1.18E-06	0.9683726	1	0.1	Pde4dip	
DMR2:205296001	2	205296001	205297000	1000	1	3.14E-06	-0.8511344	6	0.6	Sycp1	Cell Cycle
DMR2:208869001	2	208869001	208870000	1000	1	1.07E-07	1.2221908	7	0.7		

DMR2:214652001	2	214652001	214655000	3000	1	1.01E-07	1.5261844	17	0.567		
DMR2:220117001	2	220117001	220118000	1000	1	7.67E-06	1.6571729	2	0.2		
DMR2:220420001	2	220420001	220421000	1000	1	7.48E-07	0.9867348	6	0.6		
DMR2:221782001	2	221782001	221783000	1000	1	3.96E-07	1.168371	4	0.4		
DMR2:222430001	2	222430001	222431000	1000	1	4.01E-06	0.7344354	6	0.6	Dpyd	Metabolism
DMR2:223228001	2	223228001	223229000	1000	1	1.23E-06	1.3424988	4	0.4		
DMR2:225671001	2	225671001	225673000	2000	1	9.32E-07	1.0952797	15	0.75	Abca4	Transport
DMR2:228017001	2	228017001	228020000	3000	1	4.71E-06	0.9489301	10	0.333		
DMR2:236510001	2	236510001	236511000	1000	1	1.27E-06	0.7958383	10	1		
DMR2:242622001	2	242622001	242625000	3000	1	3.90E-09	1.3064849	15	0.5	Emcn	Development
DMR2:246580001	2	246580001	246581000	1000	1	4.37E-06	1.1188794	5	0.5		
DMR2:247867001	2	247867001	247869000	2000	1	6.64E-06	0.7176555	10	0.5	Pdlim5	Cytoskeleton
DMR2:247935001	2	247935001	247936000	1000	1	4.33E-06	0.9415285	4	0.4	Pdlim5	Cytoskeleton
DMR2:251071001	2	251071001	251073000	2000	1	4.70E-06	-1.1573959	22	1.1		
DMR2:253597001	2	253597001	253598000	1000	1	4.34E-08	1.621294	4	0.4		
DMR2:255750001	2	255750001	255753000	3000	1	8.90E-06	1.2949873	4	0.133		
DMR2:257913001	2	257913001	257915000	2000	1	4.56E-06	-0.7902696	22	1.1	Pigk	Metabolism
DMR2:260270001	2	260270001	260271000	1000	1	2.20E-06	-0.7183714	23	2.3	Slc44a5	Transport
DMR2:260359001	2	260359001	260360000	1000	1	9.93E-06	0.9281338	10	1	Slc44a5	Transport
DMR2:261124001	2	261124001	261125000	1000	1	6.69E-07	-1.3865646	15	1.5	Tnni3k	Transcription
DMR2:263125001	2	263125001	263126000	1000	1	3.40E-06	1.038573	8	0.8	Negr1	Growth Factors & Cytokines
DMR2:263714001	2	263714001	263715000	1000	1	3.00E-06	1.2488448	5	0.5		
DMR3:3273001	3	3273001	3274000	1000	1	1.52E-06	-1.0548782	30	3	Gltd6d1;Lcn9	Metabolism;Binding Protein
DMR3:14171001	3	14171001	14173000	2000	1	1.38E-06	1.4613133	22	1.1	C5	Immune
DMR3:18037001	3	18037001	18039000	2000	1	3.33E-07	0.9162998	3	0.15		
DMR3:18828001	3	18828001	18829000	1000	1	5.60E-10	1.3102388	2	0.2		
DMR3:18844001	3	18844001	18845000	1000	1	2.73E-06	1.0910566	2	0.2		
DMR3:19053001	3	19053001	19055000	2000	1	3.78E-06	1.0882829	6	0.3	AABR07051670.1	
DMR3:23549001	3	23549001	23551000	2000	1	6.90E-06	-0.7050483	54	2.7		
DMR3:35806001	3	35806001	35808000	2000	1	2.29E-06	0.8356583	13	0.65	Mmadhc;AABR07052085.2	
DMR3:41399001	3	41399001	41400000	1000	1	4.77E-06	-0.7990257	20	2		
DMR3:43438001	3	43438001	43439000	1000	1	3.21E-06	1.516276	5	0.5		
DMR3:52253001	3	52253001	52254000	1000	1	5.55E-06	-0.8597902	19	1.9		
DMR3:66865001	3	66865001	66866000	1000	1	5.88E-06	-0.8415525	24	2.4	Pde1a	Signaling
DMR3:68804001	3	68804001	68806000	2000	1	2.09E-08	1.1968758	5	0.25		
DMR3:84951001	3	84951001	84952000	1000	1	8.70E-07	1.3977406	6	0.6		
DMR3:86239001	3	86239001	86241000	2000	1	5.67E-08	0.7792322	15	0.75	Lrrc4c	Extracellular Matrix
DMR3:89076001	3	89076001	89077000	1000	1	7.97E-06	1.5961963	3	0.3		
DMR3:90451001	3	90451001	90452000	1000	1	2.97E-08	-1.8953974	11	1.1		
DMR3:105507001	3	105507001	105508000	1000	1	6.58E-06	1.4426165	12	1.2	Actc1	Cytoskeleton
DMR3:105531001	3	105531001	105532000	1000	1	2.15E-06	-0.8957578	19	1.9		
DMR3:108734001	3	108734001	108735000	1000	1	1.68E-06	0.8637319	8	0.8		
DMR3:118579001	3	118579001	118580000	1000	1	1.85E-06	1.3796347	1	0.1		
DMR3:118889001	3	118889001	118890000	1000	1	5.12E-06	0.8287097	9	0.9	AABR07053650.1	
DMR3:119034001	3	119034001	119035000	1000	1	1.87E-06	1.1527044	5	0.5	Slc27a2	
DMR3:126823001	3	126823001	126824000	1000	1	3.23E-07	0.942293	1	0.1		
DMR3:128346001	3	128346001	128347000	1000	1	1.22E-06	1.3765423	1	0.1	Plcb1	Metabolism
DMR3:129443001	3	129443001	129444000	1000	1	2.78E-06	0.9009054	3	0.3		
DMR3:132804001	3	132804001	132805000	1000	1	5.72E-07	0.9897426	10	1		
DMR3:133197001	3	133197001	133198000	1000	1	7.99E-06	1.1419245	9	0.9	Esf1	
DMR3:138749001	3	138749001	138751000	2000	1	2.79E-06	-0.885387	119	5.95	Sec23b	Metabolism
DMR3:149845001	3	149845001	149846000	1000	1	1.68E-06	0.9999843	12	1.2	Cdk5rap1	Signaling
DMR3:151254001	3	151254001	151255000	1000	1	7.39E-06	0.9199135	14	1.4	Edem2	Metabolism
DMR3:152035001	3	152035001	152036000	1000	1	8.37E-06	-0.8839791	22	2.2		
DMR3:156863001	3	156863001	156864000	1000	1	4.37E-07	1.346946	12	1.2		
DMR3:157373001	3	157373001	157374000	1000	1	7.63E-08	1.1084104	10	1		
DMR3:159935001	3	159935001	159936000	1000	1	7.55E-06	0.8942837	7	0.7	Hnf4a	
DMR3:162449001	3	162449001	162451000	2000	1	2.85E-06	0.9670692	19	0.95	Eya2	Development
DMR3:165523001	3	165523001	165526000	3000	1	1.85E-06	-0.6815432	120	4	Sall4	Transcription
DMR3:166683001	3	166683001	166684000	1000	1	1.85E-06	1.049273	12	1.2		
DMR3:167052001	3	167052001	167053000	1000	1	8.43E-06	1.0037744	5	0.5		
DMR3:167247001	3	167247001	167248000	1000	1	5.05E-06	-0.7383645	35	3.5		
DMR3:168005001	3	168005001	168008000	3000	1	3.94E-07	1.0442372	56	1.867	Bcas1	

DMR3:170625001	3	170625001	170626000	1000	1	2.61E-07	-1.0427651	24	2.4		
DMR3:174191001	3	174191001	174192000	1000	1	3.11E-06	0.9678145	3	0.3		
DMR3:176746001	3	176746001	176747000	1000	1	3.06E-06	0.8671609	10	1	Helz2;Gmeb2	Transcription
DMR3:177525001	3	177525001	177526000	1000	1	9.35E-06	-0.5849222	38	3.8		
DMR4:3710001	4	3710001	3711000	1000	1	8.60E-06	0.776428	3	0.3		
DMR4:4856001	4	4856001	4857000	1000	1	1.79E-07	1.3003664	11	1.1		
DMR4:7077001	4	7077001	7078000	1000	1	4.76E-06	0.8748515	6	0.6	Smarcd3	Transcription
DMR4:9777001	4	9777001	9779000	2000	1	4.47E-07	-0.8849469	33	1.65	Reln	Protease
DMR4:11641001	4	11641001	11642000	1000	1	2.05E-07	1.0386163	7	0.7		
DMR4:12069001	4	12069001	12071000	2000	1	2.64E-06	1.0408321	11	0.55		
DMR4:17634001	4	17634001	17635000	1000	1	4.90E-06	0.756967	7	0.7		
DMR4:22279001	4	22279001	22280000	1000	1	4.33E-06	-0.8427437	22	2.2	Abcb1a	Transport
DMR4:23237001	4	23237001	23238000	1000	1	8.64E-07	1.8078439	7	0.7		
DMR4:26815001	4	26815001	26816000	1000	1	3.03E-08	0.8547896	7	0.7		
DMR4:31952001	4	31952001	31953000	1000	1	2.58E-06	1.1432063	1	0.1		
DMR4:33804001	4	33804001	33805000	1000	1	6.15E-06	0.7924263	6	0.6		
DMR4:34635001	4	34635001	34637000	2000	1	3.29E-06	-1.2065337	46	2.3	Ica1	Immune
DMR4:36751001	4	36751001	36752000	1000	1	9.32E-08	1.1457045	3	0.3	AABR07059807.1	
DMR4:41492001	4	41492001	41493000	1000	1	3.49E-06	0.8473637	3	0.3	Foxp2	Transcription
DMR4:41665001	4	41665001	41667000	2000	1	3.01E-07	0.9202882	9	0.45	Foxp2	Transcription
DMR4:44708001	4	44708001	44709000	1000	1	1.75E-06	0.8495718	5	0.5		
DMR4:47235001	4	47235001	47236000	1000	1	4.31E-06	1.1536678	11	1.1		
DMR4:54212001	4	54212001	54213000	1000	1	2.66E-06	0.9034934	2	0.2		
DMR4:57013001	4	57013001	57015000	2000	1	7.50E-06	0.9888152	27	1.35	Tspan33;Smo	Cytoskeleton;Receptor
DMR4:62134001	4	62134001	62136000	2000	1	4.19E-08	0.9468063	6	0.3		
DMR4:62492001	4	62492001	62496000	4000	1	4.44E-06	-0.8883239	87	2.175	RGD1565367	
DMR4:63745001	4	63745001	63746000	1000	1	5.48E-06	1.2170259	1	0.1		
DMR4:63769001	4	63769001	63771000	2000	1	2.58E-07	0.8331717	6	0.3		
DMR4:67299001	4	67299001	67300000	1000	1	1.88E-06	-0.6743336	12	1.2	Dennd2a	
DMR4:67743001	4	67743001	67744000	1000	1	2.19E-06	0.9025565	10	1		
DMR4:71755001	4	71755001	71756000	1000	1	7.93E-06	-1.0119322	19	1.9	Zyx;Epha1	Cytoskeleton;Receptor
DMR4:81281001	4	81281001	81282000	1000	1	5.51E-06	-0.7303827	16	1.6		
DMR4:88270001	4	88270001	88271000	1000	1	3.91E-06	1.7023314	2	0.2	Vom1r86	Receptor
DMR4:88639001	4	88639001	88640000	1000	1	1.89E-07	0.9992674	5	0.5	Herc6	Translation
DMR4:91542001	4	91542001	91543000	1000	1	2.75E-06	-1.0583293	12	1.2	Ccser1	
DMR4:103374001	4	103374001	103375000	1000	1	7.18E-06	1.5410996	6	0.6	AABR07061057.1	
DMR4:104396001	4	104396001	104398000	2000	1	5.82E-08	-0.8451647	42	2.1		
DMR4:115414001	4	115414001	115415000	1000	1	7.39E-06	1.0718438	1	0.1	Vax2;Atp6v1b1	Transcription;Transport
DMR4:118113001	4	118113001	118114000	1000	1	1.46E-06	1.1316099	5	0.5		
DMR4:124617001	4	124617001	124618000	1000	1	5.85E-06	0.9009903	4	0.4		
DMR4:128896001	4	128896001	128897000	1000	1	5.69E-06	0.8390655	4	0.4		
DMR4:136296001	4	136296001	136298000	2000	1	8.55E-06	1.2327633	7	0.35		
DMR4:146083001	4	146083001	146084000	1000	1	2.56E-06	-1.2559898	19	1.9		
DMR4:152643001	4	152643001	152644000	1000	1	8.37E-06	1.0231266	5	0.5	Ninj2	Extracellular Matrix
DMR4:152695001	4	152695001	152696000	1000	1	6.11E-06	0.9639572	6	0.6	Ninj2	Extracellular Matrix
DMR4:155769001	4	155769001	155771000	2000	1	3.70E-06	1.2638902	11	0.55	Slc2a3	Transport
DMR4:159557001	4	159557001	159558000	1000	1	7.83E-07	1.2217857	6	0.6	Fgf6	Signaling
DMR4:160941001	4	160941001	160942000	1000	1	4.46E-06	-1.0866607	8	0.8	Senp17	Proteolysis
DMR4:161583001	4	161583001	161584000	1000	1	9.67E-06	0.6888583	10	1	Tead4	Transcription
DMR4:165796001	4	165796001	165798000	2000	1	6.08E-06	0.8176192	17	0.85	Tas2r106	
DMR4:173646001	4	173646001	173647000	1000	1	4.89E-06	0.9600338	29	2.9	Rergl	Signaling
DMR4:174263001	4	174263001	174264000	1000	1	4.68E-06	-0.7172331	13	1.3		
DMR4:176386001	4	176386001	176388000	2000	1	1.03E-06	0.8103734	12	0.6	Slco1a6	
DMR5:4808001	5	4808001	4810000	2000	1	8.79E-06	0.9623043	13	0.65	Rbpjl2	
DMR5:19124001	5	19124001	19125000	1000	1	1.84E-06	1.0447657	1	0.1		
DMR5:20217001	5	20217001	20218000	1000	1	3.80E-06	1.1123306	6	0.6		
DMR5:26422001	5	26422001	26423000	1000	1	1.10E-06	1.1573888	3	0.3		
DMR5:27545001	5	27545001	27547000	2000	1	3.53E-06	1.0573072	8	0.4		
DMR5:31342001	5	31342001	31343000	1000	1	8.21E-06	1.1148662	7	0.7		
DMR5:31990001	5	31990001	31992000	2000	1	3.80E-06	1.4943394	9	0.45		
DMR5:32976001	5	32976001	32977000	1000	1	6.06E-06	1.1055678	3	0.3		
DMR5:47047001	5	47047001	47048000	1000	1	1.66E-06	-0.9193403	27	2.7		
DMR5:50697001	5	50697001	50698000	1000	1	9.21E-08	1.3103801	9	0.9		

DMR5:60755001	5	60755001	60756000	1000	1	9.10E-06	-0.7311815	15	1.5		
DMR5:62393001	5	62393001	62394000	1000	1	1.76E-06	-1.1361219	13	1.3	Gabbr2	Receptor
DMR5:64675001	5	64675001	64677000	2000	1	5.34E-06	1.0173085	14	0.7	Acnat2	
DMR5:68425001	5	68425001	68428000	3000	1	4.49E-07	1.0821292	30	1		
DMR5:70438001	5	70438001	70440000	2000	1	3.53E-07	0.8960023	17	0.85	Fsd1l	
DMR5:72560001	5	72560001	72562000	2000	1	4.76E-06	1.0535958	15	0.75		
DMR5:73808001	5	73808001	73809000	1000	1	5.13E-06	0.8032299	2	0.2	LOC102555189	
DMR5:73997001	5	73997001	73998000	1000	1	9.41E-06	-1.1872276	13	1.3	Frrs1l	
DMR5:80985001	5	80985001	80986000	1000	1	1.49E-07	-1.2597689	9	0.9	Pappa1	
DMR5:87913001	5	87913001	87914000	1000	1	9.81E-08	1.1491468	2	0.2		
DMR5:91240001	5	91240001	91241000	1000	1	1.02E-06	0.8836454	6	0.6		
DMR5:102417001	5	102417001	102418000	1000	1	3.61E-07	-1.0986376	20	2	Bnc2	Development
DMR5:102877001	5	102877001	102878000	1000	1	9.16E-06	1.0200681	2	0.2		
DMR5:103814001	5	103814001	103815000	1000	1	3.40E-07	1.2423809	1	0.1		
DMR5:103919001	5	103919001	103920000	1000	1	7.03E-06	1.0758239	6	0.6		
DMR5:104428001	5	104428001	104429000	1000	1	8.96E-06	1.2951826	3	0.3	AABR07049085.1	
DMR5:104913001	5	104913001	104915000	2000	1	1.09E-06	1.2837451	20	1	Saxo1	
DMR5:106049001	5	106049001	106050000	1000	1	8.16E-06	-0.8623261	21	2.1		
DMR5:118501001	5	118501001	118504000	3000	1	6.16E-07	-0.5538275	97	3.233	Itgb3bp;RF00026	Receptor
DMR5:123244001	5	123244001	123245000	1000	1	7.79E-06	1.1989001	6	0.6		
DMR5:126742001	5	126742001	126744000	2000	1	2.99E-06	-0.7040038	44	2.2	Tceanc2	
DMR5:129194001	5	129194001	129196000	2000	1	7.89E-06	-1.325422	22	1.1	RF00560	
DMR5:135624001	5	135624001	135625000	1000	1	5.15E-06	-0.7989532	8	0.8	Tesk2;AC126292.3	Signaling
DMR5:139884001	5	139884001	139885000	1000	1	3.50E-06	-0.8061426	17	1.7	Smap2	Transcription
DMR5:142541001	5	142541001	142544000	3000	1	5.38E-07	1.0195078	47	1.567		
DMR5:145068001	5	145068001	145070000	2000	1	1.63E-06	1.5409537	45	2.25	Sfpq	Transcription
DMR5:145344001	5	145344001	145345000	1000	1	3.41E-06	0.7984796	6	0.6	RF00026	
DMR5:150335001	5	150335001	150336000	1000	1	2.86E-06	0.9199231	8	0.8		
DMR5:160464001	5	160464001	160467000	3000	1	5.60E-06	0.8825196	42	1.4	Fhad1	
DMR5:166660001	5	166660001	166662000	2000	1	5.82E-07	1.0360162	11	0.55		
DMR5:172669001	5	172669001	172671000	2000	1	6.38E-06	1.0101878	18	0.9	Prkcz	Signaling
DMR6:2641001	6	2641001	2643000	2000	1	1.12E-06	0.8980263	31	1.55		
DMR6:7222001	6	7222001	7223000	1000	1	9.67E-06	0.8833329	4	0.4		
DMR6:8115001	6	8115001	8116000	1000	1	4.32E-06	-0.7982732	27	2.7		
DMR6:8978001	6	8978001	8980000	2000	1	9.72E-07	1.0150463	16	0.8		
DMR6:10285001	6	10285001	10286000	1000	1	2.12E-07	-0.9972295	19	1.9	AABR07062812.1	
DMR6:11845001	6	11845001	11849000	4000	1	9.92E-07	-0.8432221	188	4.7		
DMR6:17125001	6	17125001	17128000	3000	1	9.03E-06	-0.5496626	98	3.267		
DMR6:18501001	6	18501001	18502000	1000	1	1.49E-06	1.053934	4	0.4		
DMR6:18599001	6	18599001	18600000	1000	1	3.52E-09	-1.0654011	44	4.4		
DMR6:19591001	6	19591001	19592000	1000	1	3.88E-06	0.7968244	6	0.6		
DMR6:22557001	6	22557001	22558000	1000	1	2.29E-06	1.677316	10	1		
DMR6:23390001	6	23390001	23391000	1000	1	1.18E-06	1.2146435	6	0.6	Togaram2	
DMR6:29892001	6	29892001	29893000	1000	1	7.54E-07	-1.0023947	23	2.3		
DMR6:34270001	6	34270001	34273000	3000	1	4.95E-06	-0.6805241	96	3.2		
DMR6:36781001	6	36781001	36782000	1000	1	6.69E-06	-0.7310665	27	2.7	Kcns3	
DMR6:51678001	6	51678001	51680000	2000	1	1.65E-06	1.2937235	10	0.5		
DMR6:57050001	6	57050001	57051000	1000	1	1.58E-06	1.2613168	1	0.1	Agmo	Metabolism
DMR6:66776001	6	66776001	66778000	2000	1	3.89E-06	1.0166708	31	1.55		
DMR6:68840001	6	68840001	68841000	1000	1	8.43E-06	0.9967305	2	0.2		
DMR6:70481001	6	70481001	70482000	1000	1	4.02E-06	0.8566391	3	0.3		
DMR6:71812001	6	71812001	71814000	2000	1	2.07E-06	-1.1711323	23	1.15		
DMR6:76310001	6	76310001	76311000	1000	1	3.55E-06	-0.6138345	33	3.3		
DMR6:77167001	6	77167001	77169000	2000	1	3.07E-07	-0.6938261	79	3.95		
DMR6:82013001	6	82013001	82014000	1000	1	8.52E-06	0.829228	22	2.2		
DMR6:84081001	6	84081001	84082000	1000	1	1.33E-07	1.1006688	3	0.3		
DMR6:92321001	6	92321001	92322000	1000	1	8.93E-06	-1.4037969	15	1.5	Atl1	Signaling
DMR6:94790001	6	94790001	94792000	2000	1	3.51E-06	0.9891533	19	0.95		
DMR6:95163001	6	95163001	95164000	1000	1	5.59E-06	1.4287747	16	1.6		
DMR6:99871001	6	99871001	99873000	2000	1	5.43E-06	-0.779387	26	1.3	Rab15;AABR07064897.1	Signaling
DMR6:103348001	6	103348001	103349000	1000	1	1.73E-07	1.170293	5	0.5		
DMR6:103934001	6	103934001	103936000	2000	1	3.83E-06	-0.4390582	58	2.9	AABR07065010.1;LOC500684	Translation
DMR6:104922001	6	104922001	104923000	1000	1	3.24E-07	0.9295744	7	0.7	Slc8a3	Transport

DMR6:106925001	6	106925001	106927000	2000	1	2.86E-10	1.2833247	10	0.5	Dpf3	Transcription
DMR6:111588001	6	111588001	111589000	1000	1	2.08E-06	-0.6404735	42	4.2		
DMR6:112664001	6	112664001	112665000	1000	1	1.11E-08	1.5042125	4	0.4	Nrxn3	Receptor
DMR6:113243001	6	113243001	113244000	1000	1	4.30E-07	1.2431167	4	0.4	Nrxn3	Receptor
DMR6:114512001	6	114512001	114514000	2000	1	7.70E-06	0.9849861	25	1.25		
DMR6:116703001	6	116703001	116705000	2000	1	3.80E-06	1.1529466	14	0.7		
DMR6:119642001	6	119642001	119644000	2000	1	4.64E-06	0.7889075	5	0.25		
DMR6:125983001	6	125983001	125984000	1000	1	2.68E-06	1.1003361	13	1.3		
DMR6:126040001	6	126040001	126041000	1000	1	3.86E-06	-1.1568206	28	2.8	Slc24a4	Metabolism
DMR6:129439001	6	129439001	129440000	1000	1	8.68E-06	-0.8094614	35	3.5	Bdkrb2;Bdkrb1;AC125847.1;Atg2b	Receptor
DMR6:132938001	6	132938001	132941000	3000	1	9.19E-06	-1.0016229	160	5.333	Wdr25;Begain	
DMR6:133222001	6	133222001	133223000	1000	1	3.28E-06	1.3045385	0	0		
DMR6:134699001	6	134699001	134700000	1000	1	1.09E-06	-0.9432759	28	2.8		
DMR6:134925001	6	134925001	134926000	1000	1	8.67E-06	-0.8368359	31	3.1	Ppp2r5c	Signaling
DMR6:135410001	6	135410001	135412000	2000	1	2.94E-07	-0.931272	98	4.9	Tecpr2;Ankrd9	Unknown
DMR6:140822001	6	140822001	140823000	1000	1	8.20E-06	1.2921678	2	0.2		
DMR6:142489001	6	142489001	142491000	2000	1	1.63E-07	-0.7410407	92	4.6	AABR07065814.5	
DMR7:1922001	7	1922001	1927000	5000	1	3.33E-06	-0.4784175	144	2.88		
DMR7:2110001	7	2110001	2113000	3000	1	2.62E-06	-0.3227848	97	3.233		
DMR7:2647001	7	2647001	2650000	3000	1	3.33E-06	0.6710725	6	0.2	Mip;Timeless	Transport;Development
DMR7:7043001	7	7043001	7047000	4000	1	1.40E-06	-0.7351679	142	3.55		
DMR7:11591001	7	11591001	11592000	1000	1	7.84E-06	1.0887771	22	2.2	Gng7	Signaling
DMR7:12643001	7	12643001	12644000	1000	1	1.49E-06	0.8411801	27	2.7	Arhgap45;Cfd;Elane;Prtn3;Plp pr3	Immune;Protease
DMR7:13198001	7	13198001	13199000	1000	1	3.48E-09	-1.3040915	26	2.6		
DMR7:15334001	7	15334001	15335000	1000	1	9.10E-07	-1.0362467	28	2.8		
DMR7:17989001	7	17989001	17990000	1000	1	3.27E-06	0.9186072	3	0.3		
DMR7:23312001	7	23312001	23313000	1000	1	7.66E-07	-0.9693403	24	2.4		
DMR7:28394001	7	28394001	28395000	1000	1	5.32E-06	-0.6420843	27	2.7		
DMR7:37924001	7	37924001	37925000	1000	1	1.77E-06	1.0437988	6	0.6		
DMR7:41514001	7	41514001	41515000	1000	1	1.17E-06	0.9899963	7	0.7		
DMR7:44042001	7	44042001	44043000	1000	1	3.52E-06	0.9492138	6	0.6		
DMR7:54422001	7	54422001	54423000	1000	1	1.36E-06	1.0663793	5	0.5		
DMR7:61318001	7	61318001	61319000	1000	1	7.07E-06	1.0240405	0	0		
DMR7:61424001	7	61424001	61425000	1000	1	7.58E-07	0.9828199	4	0.4		
DMR7:69126001	7	69126001	69129000	3000	1	9.25E-06	0.7990437	15	0.5		
DMR7:69515001	7	69515001	69516000	1000	1	1.89E-06	0.9348308	1	0.1		
DMR7:69710001	7	69710001	69711000	1000	1	4.91E-06	1.1391989	2	0.2		
DMR7:71428001	7	71428001	71429000	1000	1	1.93E-06	-0.6091529	56	5.6		
DMR7:79362001	7	79362001	79363000	1000	1	4.00E-06	1.086483	5	0.5		
DMR7:83339001	7	83339001	83340000	1000	1	7.89E-06	0.8688516	1	0.1	Nudcd1;Eny2	
DMR7:100057001	7	100057001	100058000	1000	1	6.17E-06	1.0067477	12	1.2		
DMR7:101268001	7	101268001	101271000	3000	1	2.85E-06	1.30362	14	0.467		
DMR7:111319001	7	111319001	111320000	1000	1	7.74E-06	0.8064917	7	0.7		
DMR7:115550001	7	115550001	115552000	2000	1	2.50E-06	0.8574157	14	0.7		
DMR7:121944001	7	121944001	121945000	1000	1	3.35E-06	1.095367	15	1.5	Tnrc6b;AABR07058519.1	Apoptosis
DMR7:122271001	7	122271001	122272000	1000	1	4.77E-06	-1.3032252	13	1.3	Mrtfa	
DMR7:126105001	7	126105001	126106000	1000	1	9.35E-06	-0.7846959	13	1.3	Fbln1	Cytoskeleton
DMR7:126992001	7	126992001	126993000	1000	1	1.72E-06	-0.9810939	23	2.3	Gramd4	Transcription
DMR7:127913001	7	127913001	127915000	2000	1	9.03E-08	1.042832	10	0.5		
DMR7:132367001	7	132367001	132368000	1000	1	6.90E-06	-1.2119043	12	1.2		
DMR7:137777001	7	137777001	137779000	2000	1	2.10E-08	-0.6189621	56	2.8	Arid2	
DMR7:141260001	7	141260001	141264000	4000	1	9.07E-06	-1.1261048	40	1	Aqp5;Aqp6	Transport;Metabolism
DMR8:1546001	8	1546001	1548000	2000	1	6.72E-06	1.0394835	5	0.25	Gria4	Signaling
DMR8:2658001	8	2658001	2659000	1000	1	4.97E-09	1.6651467	5	0.5	Casp4;Casp12	Apoptosis
DMR8:3084001	8	3084001	3085000	1000	1	1.75E-07	1.00666	3	0.3	AABR07068949.1	
DMR8:4315001	8	4315001	4317000	2000	1	2.54E-06	1.1117345	6	0.3	Vom2r18;Vom2r22	
DMR8:16222001	8	16222001	16223000	1000	1	8.85E-08	1.1732382	0	0		
DMR8:16971001	8	16971001	16972000	1000	1	2.11E-07	1.1785996	2	0.2		
DMR8:17651001	8	17651001	17653000	2000	1	2.24E-08	0.9708553	4	0.2	RF00100	
DMR8:17924001	8	17924001	17925000	1000	1	1.30E-06	1.013068	7	0.7	AABR07069343.1	
DMR8:23352001	8	23352001	23357000	5000	4	2.79E-12	1.3445972	0	0	Anln	

DMR8:31348001	8	31348001	31349000	1000	1	1.71E-06	1.203395	3	0.3		
DMR8:31994001	8	31994001	31995000	1000	1	5.97E-06	-1.1795016	15	1.5	Adamts15	Protease
DMR8:34817001	8	34817001	34818000	1000	1	8.77E-06	-1.0138278	12	1.2		
DMR8:36074001	8	36074001	36075000	1000	1	1.21E-07	1.2879473	5	0.5		
DMR8:38177001	8	38177001	38179000	2000	1	2.39E-08	-0.7138829	79	3.95		
DMR8:38951001	8	38951001	38952000	1000	1	3.12E-06	1.1752549	4	0.4		
DMR8:39727001	8	39727001	39728000	1000	1	3.14E-06	1.0833696	9	0.9	Slc37a2	Metabolism
DMR8:45491001	8	45491001	45492000	1000	1	2.57E-07	-1.087926	24	2.4		
DMR8:48071001	8	48071001	48073000	2000	1	3.62E-09	1.084708	25	1.25		
DMR8:51485001	8	51485001	51486000	1000	1	1.90E-06	-1.2133457	15	1.5		
DMR8:56773001	8	56773001	56774000	1000	1	2.65E-06	1.1860734	4	0.4		
DMR8:61176001	8	61176001	61177000	1000	1	9.81E-06	0.8868192	1	0.1		
DMR8:63817001	8	63817001	63819000	2000	1	4.13E-06	1.0110196	18	0.9		
DMR8:64302001	8	64302001	64303000	1000	1	5.30E-06	1.21509	5	0.5	Tmem202;RF00561	
DMR8:65053001	8	65053001	65054000	1000	1	7.85E-07	-1.0340039	17	1.7		
DMR8:71916001	8	71916001	71917000	1000	1	7.59E-06	1.0898954	5	0.5	Dapk2	Apoptosis
DMR8:79520001	8	79520001	79522000	2000	1	3.61E-07	1.1592274	11	0.55	Prtg	Immune
DMR8:88424001	8	88424001	88425000	1000	1	8.17E-07	1.5657422	6	0.6		
DMR8:90882001	8	90882001	90883000	1000	1	9.59E-07	0.9840546	3	0.3		
DMR8:92854001	8	92854001	92856000	2000	1	3.47E-06	0.9384307	9	0.45		
DMR8:93498001	8	93498001	93499000	1000	1	1.10E-06	-1.038928	19	1.9	Tpbg	Cytoskeleton
DMR8:93877001	8	93877001	93878000	1000	1	3.12E-07	0.9547579	10	1		
DMR8:96350001	8	96350001	96351000	1000	1	2.18E-07	1.3366198	20	2	Zfp949	
DMR8:97877001	8	97877001	97878000	1000	1	1.53E-06	0.8758979	4	0.4		
DMR8:101121001	8	101121001	101123000	2000	1	9.04E-06	1.4013316	10	0.5		
DMR8:106730001	8	106730001	106731000	1000	1	3.99E-07	1.1840072	6	0.6		
DMR8:109867001	8	109867001	109868000	1000	1	2.16E-07	1.1799975	4	0.4	AABR07071333.1	
DMR8:115087001	8	115087001	115088000	1000	1	8.07E-07	0.8681938	6	0.6		
DMR8:118053001	8	118053001	118054000	1000	1	2.22E-07	1.2978887	6	0.6	Map4	Cytoskeleton
DMR8:120509001	8	120509001	120511000	2000	1	2.79E-06	0.906672	13	0.65		
DMR8:125116001	8	125116001	125118000	2000	1	4.03E-06	0.819452	25	1.25	Rbms3	Epigenetic
DMR9:6057001	9	6057001	6058000	1000	1	9.60E-06	0.9157586	3	0.3		
DMR9:11356001	9	11356001	11360000	4000	1	7.32E-07	-0.6317683	126	3.15		
DMR9:12166001	9	12166001	12169000	3000	1	2.32E-06	-0.4153798	61	2.033		
DMR9:15729001	9	15729001	15730000	1000	1	2.24E-07	-0.6551302	26	2.6	RF00001	
DMR9:19110001	9	19110001	19112000	2000	2	1.56E-06	1.0248831	10	0.5	Clic5	Transport
DMR9:20437001	9	20437001	20438000	1000	1	3.67E-07	0.9721188	4	0.4		
DMR9:23087001	9	23087001	23088000	1000	1	5.44E-06	1.1451747	8	0.8		
DMR9:26045001	9	26045001	26046000	1000	1	4.64E-06	1.1425101	9	0.9		
DMR9:28763001	9	28763001	28764000	1000	1	8.33E-06	-0.9488653	30	3	Rims1	Signaling
DMR9:30658001	9	30658001	30660000	2000	2	5.06E-07	0.9501372	20	1	Col19a1	Cytoskeleton
DMR9:35144001	9	35144001	35145000	1000	1	2.01E-06	-0.7033127	29	2.9	AABR07067210.1	
DMR9:35581001	9	35581001	35582000	1000	1	1.17E-06	1.2491577	7	0.7		
DMR9:35751001	9	35751001	35752000	1000	1	2.71E-06	0.9542427	2	0.2		
DMR9:37914001	9	37914001	37917000	3000	1	1.05E-06	-0.7918804	83	2.767	Dst	Cell Junction
DMR9:42329001	9	42329001	42330000	1000	1	3.47E-06	1.0193789	9	0.9		
DMR9:44542001	9	44542001	44543000	1000	1	6.42E-06	1.2037785	8	0.8	Lyg1;Mrpl30;Mitd1	Translation
DMR9:46617001	9	46617001	46618000	1000	1	5.52E-06	1.0675592	9	0.9		
DMR9:47273001	9	47273001	47274000	1000	1	3.61E-06	0.9273363	4	0.4	Slc9a4	Metabolism
DMR9:47605001	9	47605001	47606000	1000	1	2.36E-06	1.5586957	6	0.6		
DMR9:52344001	9	52344001	52345000	1000	1	4.90E-07	1.0792248	13	1.3		
DMR9:53794001	9	53794001	53796000	2000	1	2.12E-06	0.8290176	10	0.5		
DMR9:62539001	9	62539001	62540000	1000	1	2.08E-06	-0.8940806	16	1.6		
DMR9:63548001	9	63548001	63550000	2000	1	9.59E-06	0.9408466	23	1.15	Satb2	Epigenetic
DMR9:65636001	9	65636001	65639000	3000	1	6.67E-06	1.5860789	30	1	Casp8	Protease
DMR9:76345001	9	76345001	76346000	1000	1	2.79E-06	0.9731399	9	0.9		
DMR9:80952001	9	80952001	80953000	1000	1	3.73E-08	1.0900192	2	0.2		
DMR9:87443001	9	87443001	87444000	1000	1	7.31E-08	1.3764587	2	0.2		
DMR9:90721001	9	90721001	90722000	1000	1	4.71E-06	1.2591369	11	1.1	AABR07068203.1;LOC108351965	
DMR9:97241001	9	97241001	97243000	2000	1	3.54E-06	1.3271684	17	0.85	AABR07068304.1	
DMR9:101085001	9	101085001	101088000	3000	1	5.52E-07	1.1411187	13	0.433	RF00309	
DMR9:103829001	9	103829001	103830000	1000	1	5.28E-06	1.1952812	8	0.8		

DMR9:114512001	9	114512001	114517000	5000	1	3.53E-06	-1.1292508	130	2.6	Mtcl1	
DMR9:115459001	9	115459001	115461000	2000	1	6.17E-07	1.3400824	17	0.85	Ptprm	Receptor
DMR9:119357001	9	119357001	119359000	2000	1	2.56E-06	-1.2259042	37	1.85	Myom1	Unknown
DMR10:2287001	10	2287001	2288000	1000	1	3.28E-06	1.1567082	4	0.4		
DMR10:7328001	10	7328001	7330000	2000	1	8.89E-13	1.0732212	3	0.15	RF00066	
DMR10:15775001	10	15775001	15776000	1000	1	6.02E-08	1.0547784	7	0.7	AABR07029217.2	
DMR10:19515001	10	19515001	19516000	1000	1	3.66E-06	-1.3003407	10	1	AABR07029272.1	
DMR10:27427001	10	27427001	27429000	2000	1	6.96E-06	1.009576	8	0.4	AABR07029410.1	
DMR10:32431001	10	32431001	32432000	1000	1	5.83E-06	1.0424562	4	0.4	Sgcd	Cytoskeleton
DMR10:32811001	10	32811001	32813000	2000	1	7.10E-06	1.0713588	4	0.2		
DMR10:37163001	10	37163001	37165000	2000	1	4.02E-06	-0.8694751	29	1.45	Sec24a	Metabolism
DMR10:41268001	10	41268001	41269000	1000	1	6.76E-07	1.24719	3	0.3		
DMR10:55380001	10	55380001	55382000	2000	1	3.55E-06	-0.8653033	43	2.15	Myh10	Cytoskeleton
DMR10:56664001	10	56664001	56665000	1000	1	3.58E-07	1.0591291	17	1.7	Asgr1	Receptor
DMR10:57724001	10	57724001	57725000	1000	1	9.86E-07	1.2927248	3	0.3	Nlrp1a	
DMR10:59505001	10	59505001	59507000	2000	1	1.90E-08	1.4122318	9	0.45	Zzef1	Transcription
DMR10:60172001	10	60172001	60173000	1000	1	7.04E-07	1.6809794	2	0.2	AABR07029918.1;AABR07029925.1	
DMR10:61597001	10	61597001	61599000	2000	1	2.10E-06	0.9818939	16	0.8		
DMR10:65996001	10	65996001	65997000	1000	1	5.59E-06	0.8754316	5	0.5		
DMR10:66320001	10	66320001	66322000	2000	1	8.04E-06	-0.8192493	48	2.4	Nos2	Metabolism
DMR10:69505001	10	69505001	69507000	2000	1	1.84E-07	0.9415082	12	0.6		
DMR10:78816001	10	78816001	78817000	1000	1	6.49E-07	-0.7431506	15	1.5		
DMR10:83559001	10	83559001	83560000	1000	1	5.06E-06	0.9795156	1	0.1	Zfp652	Transcription
DMR10:84619001	10	84619001	84621000	2000	1	1.02E-06	0.9856574	22	1.1	Skap1;Snx11	Signaling
DMR10:84994001	10	84994001	84995000	1000	1	1.35E-06	-0.8485028	46	4.6	Mrpl10;Osbpl7;AABR07030423.1	Translation;Binding Prote
DMR10:85912001	10	85912001	85913000	1000	1	7.97E-07	1.4401148	13	1.3	Plxdc1	Receptor
DMR10:86000001	10	86000001	86001000	1000	1	7.28E-06	-0.7654166	25	2.5	Stac2	Signaling
DMR10:87466001	10	87466001	87469000	3000	1	9.39E-08	0.9087731	25	0.833	Krt40;Krtap3-2;AC099183.2;Krtap3-3;AC099183.4	Cytoskeleton
DMR10:97362001	10	97362001	97364000	2000	2	3.42E-06	0.9129884	11	0.55		
DMR10:99461001	10	99461001	99462000	1000	1	9.61E-07	0.9221442	5	0.5		
DMR10:102709001	10	102709001	102710000	1000	1	5.76E-06	0.9481469	15	1.5		
DMR10:105079001	10	105079001	105084000	5000	1	1.60E-06	-0.6250539	149	2.98	Ten1	Unknown
DMR10:106589001	10	106589001	106590000	1000	1	2.32E-06	1.1561365	12	1.2		
DMR11:3133001	11	3133001	3134000	1000	1	2.75E-06	1.867271	5	0.5	Vgll3	Unknown
DMR11:7189001	11	7189001	7190000	1000	1	3.12E-08	1.1887115	5	0.5		
DMR11:9351001	11	9351001	9352000	1000	1	2.87E-06	0.9984192	6	0.6		
DMR11:9512001	11	9512001	9513000	1000	1	4.65E-06	0.8467411	3	0.3		
DMR11:9650001	11	9650001	9651000	1000	1	7.87E-06	1.0068609	1	0.1	Robo1	Development
DMR11:18851001	11	18851001	18852000	1000	1	1.04E-08	1.0364618	0	0		
DMR11:18918001	11	18918001	18920000	2000	1	2.34E-06	0.9932189	10	0.5	RF00560	
DMR11:23903001	11	23903001	23904000	1000	1	5.03E-06	-0.6876729	41	4.1		
DMR11:32315001	11	32315001	32316000	1000	1	2.02E-06	1.130676	4	0.4	RF00004	
DMR11:36872001	11	36872001	36873000	1000	1	4.47E-07	0.9364031	0	0	Pcp4	
DMR11:37489001	11	37489001	37491000	2000	1	7.09E-06	0.8424937	12	0.6	AABR07033720.1	
DMR11:40572001	11	40572001	40573000	1000	1	8.07E-08	2.3088339	4	0.4		
DMR11:41618001	11	41618001	41620000	2000	1	6.92E-06	1.0640219	5	0.25		
DMR11:45083001	11	45083001	45084000	1000	1	2.22E-06	1.041363	8	0.8	Filip1l	
DMR11:49060001	11	49060001	49061000	1000	1	1.81E-06	1.2502687	3	0.3	RF00560	
DMR11:50830001	11	50830001	50831000	1000	1	7.15E-07	1.6790925	6	0.6	Alcam	Signaling
DMR11:59955001	11	59955001	59957000	2000	1	9.63E-06	1.108067	6	0.3		
DMR11:61598001	11	61598001	61599000	1000	1	1.13E-06	1.0365111	7	0.7	Gramd1c	
DMR11:64914001	11	64914001	64916000	2000	1	1.65E-07	-2.0579519	33	1.65	Pla1a	Metabolism
DMR11:65015001	11	65015001	65017000	2000	1	1.02E-06	1.0291597	19	0.95	Maats1;Nr1i2	Receptor
DMR11:65696001	11	65696001	65698000	2000	1	5.00E-06	0.7621717	14	0.7		
DMR11:70194001	11	70194001	70195000	1000	1	5.40E-06	0.8348129	8	0.8	Muc13	
DMR11:70569001	11	70569001	70570000	1000	1	1.55E-07	1.1048241	3	0.3	Zfp148	Transcription
DMR11:74432001	11	74432001	74433000	1000	1	3.39E-06	0.8617944	8	0.8		
DMR11:77857001	11	77857001	77859000	2000	1	4.24E-06	0.9196205	14	0.7		



DMR11:85875001	11	85875001	85878000	3000	1	9.27E-07	1.1335475	11	0.367	LOC100911837	
DMR12:5835001	12	5835001	5837000	2000	1	5.13E-08	1.992453	26	1.3		
DMR12:6372001	12	6372001	6373000	1000	1	9.84E-06	-0.7037187	34	3.4		
DMR12:6413001	12	6413001	6414000	1000	1	6.76E-06	-0.7625955	32	3.2	B3glct	
DMR12:12039001	12	12039001	12040000	1000	1	2.52E-06	-0.6928028	37	3.7		
DMR12:21283001	12	21283001	21288000	5000	1	7.81E-07	-0.7942032	144	2.88		
DMR12:24770001	12	24770001	24773000	3000	1	4.13E-09	1.3054854	38	1.267	Cldn4;Mettl27	Cytoskeleton
DMR12:29488001	12	29488001	29489000	1000	1	1.26E-06	0.9725668	5	0.5	Caln1	Signaling
DMR12:35501001	12	35501001	35502000	1000	1	1.56E-06	-0.664871	24	2.4		
DMR12:35672001	12	35672001	35673000	1000	1	5.69E-06	-0.426585	48	4.8		
DMR12:36105001	12	36105001	36107000	2000	2	2.87E-07	-0.7936429	65	3.25	Tmem132b	Unknown
DMR12:39202001	12	39202001	39204000	2000	1	3.20E-06	1.1849622	22	1.1	Anapc5	
DMR12:40731001	12	40731001	40734000	3000	2	1.82E-06	0.9629005	56	1.867	Hectd4;RF00003	
DMR12:41400001	12	41400001	41401000	1000	1	4.56E-06	-0.9231388	81	8.1	Dtx1	Transcription
DMR12:42433001	12	42433001	42434000	1000	1	5.55E-07	1.2490123	4	0.4		
DMR12:42675001	12	42675001	42676000	1000	1	1.54E-07	-1.1824503	23	2.3		
DMR12:43903001	12	43903001	43905000	2000	1	1.02E-06	-1.3076616	45	2.25		
DMR12:43940001	12	43940001	43941000	1000	1	5.41E-06	1.2172455	47	4.7	RGD1562310;Rnft2	Unknown
DMR12:44754001	12	44754001	44755000	1000	1	5.40E-06	1.1388262	6	0.6	Ksr2	Signaling
DMR12:46355001	12	46355001	46357000	2000	1	5.03E-06	-0.7128541	54	2.7	Cit	Signaling
DMR13:6016001	13	6016001	6017000	1000	1	5.19E-06	0.8484622	2	0.2		
DMR13:8453001	13	8453001	8455000	2000	1	6.54E-06	-0.6928766	72	3.6		
DMR13:8976001	13	8976001	8977000	1000	1	7.95E-06	1.2880675	1	0.1		
DMR13:14603001	13	14603001	14605000	2000	1	4.91E-06	0.9114504	9	0.45	LOC304725	
DMR13:15621001	13	15621001	15624000	3000	1	1.63E-07	1.2684983	16	0.533		
DMR13:18642001	13	18642001	18644000	2000	1	6.12E-06	0.849968	8	0.4	LOC103691604	
DMR13:25159001	13	25159001	25160000	1000	1	8.93E-06	0.8244618	8	0.8		
DMR13:25695001	13	25695001	25697000	2000	1	7.08E-06	0.9424794	16	0.8	Relch	
DMR13:27302001	13	27302001	27303000	1000	1	6.65E-07	1.3098753	5	0.5	Serpibn7	Signaling
DMR13:29222001	13	29222001	29226000	4000	1	5.76E-06	-0.7329935	110	2.75		
DMR13:37371001	13	37371001	37372000	1000	1	3.71E-06	0.8185056	17	1.7		
DMR13:43642001	13	43642001	43643000	1000	1	5.41E-06	0.9275737	5	0.5		
DMR13:54188001	13	54188001	54190000	2000	1	8.34E-06	0.9255973	4	0.2		
DMR13:55829001	13	55829001	55830000	1000	1	2.42E-07	1.1197001	6	0.6		
DMR13:59816001	13	59816001	59819000	3000	1	5.09E-06	-0.6999164	96	3.2		
DMR13:66613001	13	66613001	66614000	1000	1	4.77E-06	1.0628052	1	0.1	RF00560	
DMR13:69234001	13	69234001	69235000	1000	1	1.24E-06	1.548181	3	0.3		
DMR13:71080001	13	71080001	71081000	1000	1	2.10E-08	0.9930748	12	1.2	Rgs8	Signaling
DMR13:73801001	13	73801001	73802000	1000	1	3.85E-06	1.0108721	8	0.8	Fam163a	
DMR13:74147001	13	74147001	74148000	1000	1	3.88E-08	1.0925946	9	0.9	Abl2	Signaling
DMR13:75386001	13	75386001	75388000	2000	1	3.93E-07	0.8929836	19	0.95	AABR07021508.3	
DMR13:76862001	13	76862001	76863000	1000	1	1.39E-07	1.2788277	7	0.7	AABR07021530.1	
DMR13:78168001	13	78168001	78169000	1000	1	2.11E-06	1.1786973	2	0.2	Rabgap1l	Signaling
DMR13:79845001	13	79845001	79846000	1000	1	2.50E-07	1.1753161	7	0.7		
DMR13:80755001	13	80755001	80757000	2000	1	8.77E-07	-0.8778021	35	1.75	Fmo1;Fmo2	Metabolism
DMR13:87031001	13	87031001	87032000	1000	1	7.16E-06	-0.6504253	45	4.5		
DMR13:92953001	13	92953001	92955000	2000	2	3.65E-08	1.0041114	11	0.55	Grem2	
DMR13:93375001	13	93375001	93376000	1000	1	1.69E-06	1.005224	1	0.1		
DMR13:99768001	13	99768001	99769000	1000	1	4.89E-06	0.8822479	12	1.2	Cnih3	Signaling
DMR13:104026001	13	104026001	104028000	2000	1	8.98E-06	0.8946022	31	1.55		
DMR13:105817001	13	105817001	105818000	1000	1	8.85E-07	-1.1137842	20	2	Gpatch2	Transcription
DMR13:110655001	13	110655001	110656000	1000	1	8.51E-06	-0.8453608	18	1.8		
DMR13:112274001	13	112274001	112275000	1000	1	7.86E-07	0.9564022	6	0.6		
DMR14:11218001	14	11218001	11221000	3000	1	2.30E-06	1.0264405	13	0.433		
DMR14:12653001	14	12653001	12656000	3000	1	1.02E-07	1.0961926	28	0.933		
DMR14:12961001	14	12961001	12964000	3000	1	4.29E-06	1.2743166	40	1.333		
DMR14:13235001	14	13235001	13237000	2000	1	9.14E-06	1.530397	15	0.75	Antxr2	Receptor
DMR14:17660001	14	17660001	17662000	2000	1	1.10E-06	-0.871552	63	3.15	AC136013.2	
DMR14:23977001	14	23977001	23978000	1000	1	6.97E-06	1.1130785	3	0.3	AABR07014630.1;Tmprss11f	Protease
DMR14:25617001	14	25617001	25618000	1000	1	8.78E-07	1.0590453	3	0.3	Epha5	Receptor
DMR14:26959001	14	26959001	26961000	2000	1	3.56E-06	0.9892594	5	0.25		
DMR14:29587001	14	29587001	29589000	2000	1	1.66E-06	1.0244268	8	0.4		
DMR14:35504001	14	35504001	35505000	1000	1	4.68E-06	-1.2996951	11	1.1		

DMR14:36079001	14	36079001	36081000	2000	1	9.17E-06	-0.797991	40	2	Lnx1	Cytoskeleton
DMR14:38094001	14	38094001	38095000	1000	1	3.80E-06	0.9823551	6	0.6	Txk;Nipal1	Signaling
DMR14:40587001	14	40587001	40589000	2000	1	6.51E-06	-0.4225159	40	2		
DMR14:41800001	14	41800001	41801000	1000	1	7.22E-06	0.9986984	3	0.3		
DMR14:47629001	14	47629001	47630000	1000	1	7.06E-07	1.6520784	6	0.6		
DMR14:52945001	14	52945001	52946000	1000	1	2.28E-06	1.1045697	2	0.2		
DMR14:67716001	14	67716001	67717000	1000	1	3.11E-06	-0.8501183	14	1.4		
DMR14:72715001	14	72715001	72716000	1000	1	7.19E-06	1.0312656	2	0.2		
DMR14:74509001	14	74509001	74510000	1000	1	3.09E-06	0.7681674	5	0.5		
DMR14:84307001	14	84307001	84308000	1000	1	3.97E-06	0.6130923	2	0.2	Sec14l3	
DMR14:84449001	14	84449001	84450000	1000	1	3.44E-06	-1.0810522	20	2	Tbc1d10a;Castor1	Signaling
DMR14:93754001	14	93754001	93755000	1000	1	4.56E-06	1.2773489	4	0.4		
DMR14:94363001	14	94363001	94365000	2000	1	4.53E-07	-0.6124473	89	4.45		
DMR14:95336001	14	95336001	95338000	2000	1	3.48E-09	-0.8193762	58	2.9		
DMR14:96952001	14	96952001	96953000	1000	1	7.43E-08	-0.6916956	51	5.1		
DMR14:97033001	14	97033001	97034000	1000	1	4.32E-06	-0.5889139	38	3.8		
DMR14:100260001	14	100260001	100261000	1000	1	4.47E-07	-1.1051519	21	2.1	AC131874.1	
DMR15:1113001	15	1113001	1114000	1000	1	1.88E-06	1.3966247	4	0.4		
DMR15:1699001	15	1699001	1700000	1000	1	5.26E-06	1.3689804	10	1		
DMR15:2798001	15	2798001	2799000	1000	1	7.50E-06	-0.6934882	39	3.9	Dupd1	Signaling
DMR15:12792001	15	12792001	12794000	2000	1	1.89E-06	-0.8749179	46	2.3	AABR07017145.1	
DMR15:14950001	15	14950001	14951000	1000	1	9.46E-07	1.3640973	4	0.4		
DMR15:16337001	15	16337001	16338000	1000	1	1.58E-07	0.9172557	7	0.7		
DMR15:20200001	15	20200001	20201000	1000	1	1.74E-06	1.4980834	2	0.2		
DMR15:23777001	15	23777001	23778000	1000	1	7.03E-06	-0.863024	19	1.9	Samd4a	Signaling
DMR15:29536001	15	29536001	29538000	2000	1	1.25E-06	1.0666779	9	0.45	AABR07017639.1;AABR07017639.2	
DMR15:32852001	15	32852001	32853000	1000	1	7.39E-06	-1.2296006	26	2.6	AABR07017902.1	
DMR15:40494001	15	40494001	40495000	1000	1	3.54E-07	1.8139953	11	1.1	AABR07018115.2	
DMR15:42227001	15	42227001	42228000	1000	1	7.12E-09	0.918744	4	0.4		
DMR15:48822001	15	48822001	48823000	1000	1	7.66E-06	1.4257926	7	0.7	Pnoc	Growth Factors & Cytokines
DMR15:50337001	15	50337001	50340000	3000	1	1.25E-06	0.8807259	5	0.167		
DMR15:54498001	15	54498001	54499000	1000	1	9.98E-06	1.3456536	5	0.5	Fndc3a	
DMR15:55022001	15	55022001	55023000	1000	1	8.89E-06	1.2325211	5	0.5		
DMR15:55541001	15	55541001	55543000	2000	1	4.56E-06	-0.9926569	44	2.2		
DMR15:59816001	15	59816001	59818000	2000	1	8.47E-06	1.012061	17	0.85	Enox1	Transcription
DMR15:63610001	15	63610001	63611000	1000	1	5.87E-06	-0.7018866	20	2		
DMR15:66744001	15	66744001	66745000	1000	1	7.40E-07	0.8298716	5	0.5		
DMR15:74687001	15	74687001	74688000	1000	1	7.84E-07	0.8918758	4	0.4		
DMR15:74996001	15	74996001	74997000	1000	1	1.63E-07	0.9889551	0	0		
DMR15:78746001	15	78746001	78747000	1000	1	4.78E-06	1.0906365	2	0.2		
DMR15:79548001	15	79548001	79549000	1000	1	9.71E-10	1.1586468	2	0.2		
DMR15:93095001	15	93095001	93097000	2000	2	2.92E-07	1.093694	9	0.45	Mycbp2	Metabolism
DMR15:94541001	15	94541001	94542000	1000	1	1.46E-06	0.9923218	2	0.2		
DMR15:105338001	15	105338001	105342000	4000	1	6.70E-06	-0.7723117	119	2.975	AABR07019435.1	
DMR15:105437001	15	105437001	105439000	2000	1	6.50E-09	1.0720659	9	0.45		
DMR16:678001	16	678001	679000	1000	1	3.71E-06	-0.4743107	19	1.9		
DMR16:2501001	16	2501001	2503000	2000	1	2.24E-06	-1.3524098	26	1.3	Dnah12	Cytoskeleton
DMR16:6608001	16	6608001	6610000	2000	1	7.00E-06	1.11083	21	1.05	Tkt	Metabolism
DMR16:9980001	16	9980001	9981000	1000	1	1.59E-06	1.0322794	1	0.1	Ptpn20	Signaling
DMR16:10223001	16	10223001	10225000	2000	1	3.25E-06	1.0354999	28	1.4		
DMR16:28994001	16	28994001	28995000	1000	1	1.54E-06	0.8229961	8	0.8		
DMR16:37022001	16	37022001	37024000	2000	2	3.22E-08	0.9383039	11	0.55		
DMR16:39230001	16	39230001	39231000	1000	1	2.90E-06	0.98788	6	0.6		
DMR16:40351001	16	40351001	40352000	1000	1	2.88E-06	1.1479503	4	0.4		
DMR16:43155001	16	43155001	43156000	1000	1	6.91E-06	1.0821207	3	0.3		
DMR16:46303001	16	46303001	46304000	1000	1	4.74E-06	0.8395203	15	1.5		
DMR16:49112001	16	49112001	49116000	4000	1	9.55E-09	1.047259	29	0.725		
DMR16:55474001	16	55474001	55476000	2000	1	9.80E-06	1.3632563	11	0.55		
DMR16:59615001	16	59615001	59616000	1000	1	1.35E-06	1.0063431	15	1.5		
DMR16:67135001	16	67135001	67137000	2000	1	8.13E-07	1.1258564	23	1.15	RF00204	
DMR16:70797001	16	70797001	70798000	1000	1	1.38E-06	0.9762816	8	0.8	AABR07026291.1	
DMR16:74641001	16	74641001	74642000	1000	1	9.65E-06	0.874638	7	0.7	Tpte2	Signaling

DMR16:79584001	16	79584001	79586000	2000	1	4.34E-06	-0.7828269	41	2.05	Myom2	Cytoskeleton
DMR16:81631001	16	81631001	81633000	2000	1	5.91E-06	-0.9214262	55	2.75	Adprhl1;AABR07026536.1	Metabolism
DMR16:84577001	16	84577001	84578000	1000	1	1.39E-06	1.1187877	7	0.7	Myo16	Cytoskeleton
DMR16:86657001	16	86657001	86658000	1000	1	6.69E-08	-1.046104	20	2	Efnb2	Signaling
DMR17:773001	17	773001	774000	1000	1	2.58E-06	-1.0196581	12	1.2	Npepo	Proteolysis
DMR17:6240001	17	6240001	6241000	1000	1	2.76E-06	-0.971245	28	2.8	Ntrk2	Receptor
DMR17:9320001	17	9320001	9321000	1000	1	5.94E-06	-1.0662015	17	1.7	H2afy	Transcription
DMR17:10344001	17	10344001	10347000	3000	1	1.35E-06	-0.8405367	86	2.867	Tspan17	Signaling
DMR17:11328001	17	11328001	11329000	1000	1	4.58E-07	0.9694936	11	1.1		
DMR17:22279001	17	22279001	22280000	1000	1	8.98E-07	-0.9675642	35	3.5	Hivep1	Transcription
DMR17:22450001	17	22450001	22451000	1000	1	2.65E-08	0.8903143	5	0.5		
DMR17:24746001	17	24746001	24747000	1000	1	8.42E-06	0.6818875	12	1.2		
DMR17:27047001	17	27047001	27048000	1000	1	1.58E-06	0.9139146	6	0.6	Bmp6	Growth Factors & Cytokines
DMR17:32414001	17	32414001	32415000	1000	1	8.86E-06	1.0962986	1	0.1	AABR07027476.1	
DMR17:46299001	17	46299001	46300000	1000	1	5.71E-06	1.0226815	2	0.2		
DMR17:56014001	17	56014001	56016000	2000	1	8.33E-06	1.3369021	9	0.45		
DMR17:56472001	17	56472001	56473000	1000	1	1.20E-06	1.5878468	9	0.9		
DMR17:64680001	17	64680001	64681000	1000	1	1.53E-07	0.951539	3	0.3		
DMR17:69651001	17	69651001	69652000	1000	1	5.65E-06	0.8903232	3	0.3	Akr1c13;Akr1c19	Metabolism
DMR17:71908001	17	71908001	71909000	1000	1	2.81E-06	1.3062084	5	0.5		
DMR17:74439001	17	74439001	74441000	2000	1	4.96E-06	1.1377181	8	0.4		
DMR17:77612001	17	77612001	77613000	1000	1	7.57E-06	0.9230576	2	0.2	Prpf18	Transcription
DMR17:77938001	17	77938001	77940000	2000	1	8.66E-07	1.0927963	12	0.6		
DMR17:79853001	17	79853001	79855000	2000	1	8.40E-06	0.9326919	6	0.3		
DMR17:81348001	17	81348001	81350000	2000	1	1.06E-06	0.9675584	15	0.75	Tmem236;Mrc1	Receptor
DMR17:86755001	17	86755001	86757000	2000	1	4.73E-06	0.7841095	11	0.55		
DMR18:301001	18	301001	303000	2000	1	9.26E-06	-0.689446	51	2.55	Mtmt1	Signaling
DMR18:2155001	18	2155001	2156000	1000	1	1.92E-06	-0.9752065	15	1.5		
DMR18:4050001	18	4050001	4052000	2000	1	5.17E-06	-0.9784208	64	3.2	Ttc39c	Unknown
DMR18:5427001	18	5427001	5428000	1000	1	2.62E-06	0.8442195	4	0.4		
DMR18:18378001	18	18378001	18379000	1000	1	6.94E-06	1.452052	1	0.1		
DMR18:23442001	18	23442001	23445000	3000	1	2.86E-06	0.9682484	9	0.3		
DMR18:26296001	18	26296001	26297000	1000	1	8.76E-06	1.0031125	3	0.3		
DMR18:43514001	18	43514001	43516000	2000	1	6.07E-06	1.3429872	19	0.95		
DMR18:44448001	18	44448001	44449000	1000	1	2.42E-06	0.981949	7	0.7		
DMR18:48371001	18	48371001	48373000	2000	1	6.18E-06	-1.2311204	11	0.55	Ppic	Metabolism
DMR18:56763001	18	56763001	56764000	1000	1	3.38E-06	-1.0211306	9	0.9		
DMR18:62384001	18	62384001	62386000	2000	1	1.85E-07	-0.8902627	52	2.6		
DMR18:63642001	18	63642001	63643000	1000	1	4.04E-06	-1.055227	21	2.1	Cep192	
DMR18:65306001	18	65306001	65308000	2000	1	1.46E-06	1.0578073	20	1	Tcf4	Transcription
DMR18:68137001	18	68137001	68140000	3000	1	1.23E-08	-1.4966316	35	1.167		
DMR18:70125001	18	70125001	70127000	2000	1	8.71E-06	-0.831958	54	2.7		
DMR18:74670001	18	74670001	74671000	1000	1	4.99E-06	0.8552841	9	0.9	Slc14a2	Transport
DMR18:76538001	18	76538001	76540000	2000	1	1.79E-06	-0.9101509	63	3.15		
DMR18:77876001	18	77876001	77877000	1000	1	8.86E-08	1.3651507	6	0.6		
DMR18:78044001	18	78044001	78045000	1000	1	3.80E-07	1.2849001	6	0.6		
DMR18:79200001	18	79200001	79201000	1000	1	3.86E-06	0.9723733	4	0.4		
DMR18:81167001	18	81167001	81168000	1000	1	2.37E-06	-0.8446237	28	2.8	Zfp407	Transcription
DMR18:81797001	18	81797001	81799000	2000	1	1.78E-06	1.6145057	17	0.85	Timm21	
DMR18:84091001	18	84091001	84094000	3000	1	6.67E-06	1.0221466	16	0.533		
DMR18:87798001	18	87798001	87800000	2000	1	7.88E-06	-0.3235616	58	2.9		
DMR19:3651001	19	3651001	3652000	1000	1	8.73E-06	0.8342561	3	0.3		
DMR19:10504001	19	10504001	10506000	2000	1	8.88E-06	0.8364946	21	1.05	Adgrg5	
DMR19:11743001	19	11743001	11744000	1000	1	3.51E-06	-1.2709423	20	2	AABR07042840.1	
DMR19:15777001	19	15777001	15778000	1000	1	5.94E-07	1.0979367	12	1.2		
DMR19:17120001	19	17120001	17121000	1000	1	5.64E-06	-1.4495175	16	1.6	Fto;Rpgrip1l	Metabolism
DMR19:20300001	19	20300001	20301000	1000	1	2.79E-06	0.5992784	6	0.6	Zfp423	Transcription
DMR19:23040001	19	23040001	23042000	2000	1	8.03E-06	0.8499986	29	1.45		
DMR19:23649001	19	23649001	23651000	2000	1	3.45E-06	1.3308859	13	0.65		
DMR19:25232001	19	25232001	25237000	5000	1	2.02E-10	1.05537	60	1.2	Podnl1;Cc2d1a	Receptor
DMR19:28305001	19	28305001	28306000	1000	1	6.57E-06	-0.5144284	43	4.3	AABR07043429.1	
DMR19:29291001	19	29291001	29292000	1000	1	2.90E-06	0.9329341	4	0.4	AABR07043564.1	

DMR19:37219001	19	37219001	37221000	2000	1	3.22E-07	1.2045313	28	1.4	RGD621098;B3gnt9;Tradd;Fbx18;Hsf4	Golgi;Apoptosis;Transcription
DMR19:41477001	19	41477001	41478000	1000	1	7.85E-07	0.9496639	6	0.6	Calb2	Signaling
DMR19:42697001	19	42697001	42698000	1000	1	5.53E-07	-0.9547115	19	1.9		
DMR19:52084001	19	52084001	52085000	1000	1	2.36E-07	-1.0906204	31	3.1	Osgin1;Necab2	Cell Cycle;Receptor
DMR19:57577001	19	57577001	57579000	2000	1	7.36E-06	-1.1501606	35	1.75	Trim67	Metabolism
DMR19:60460001	19	60460001	60461000	1000	1	6.94E-06	1.1315876	8	0.8	Pard3	Cell Junction
DMR20:2063001	20	2063001	2064000	1000	1	1.23E-07	1.2584903	3	0.3	AC108572.5;RT1-M6-1	Immune
DMR20:3722001	20	3722001	3723000	1000	1	4.81E-06	0.8416005	6	0.6	Psors1c2;Cchcr1	
DMR20:4623001	20	4623001	4624000	1000	1	1.99E-06	0.9500386	14	1.4	Neu1	Development
DMR20:13569001	20	13569001	13571000	2000	1	5.23E-06	-0.7855585	75	3.75	LOC100909869	Transcription
DMR20:14898001	20	14898001	14899000	1000	1	1.12E-06	-0.6736677	22	2.2		
DMR20:16950001	20	16950001	16953000	3000	1	1.49E-06	1.1539484	26	0.867		
DMR20:23391001	20	23391001	23393000	2000	1	8.46E-06	1.0263217	9	0.45		
DMR20:27158001	20	27158001	27159000	1000	1	4.25E-06	0.9017488	5	0.5		
DMR20:27478001	20	27478001	27480000	2000	1	2.50E-07	-0.6297888	65	3.25		
DMR20:33338001	20	33338001	33341000	3000	1	2.85E-06	-1.0165878	49	1.633		
DMR20:34919001	20	34919001	34920000	1000	1	7.01E-06	-1.3628403	13	1.3	Mcm9;Asf1a	Transcription
DMR20:35817001	20	35817001	35818000	1000	1	3.61E-10	1.2784136	4	0.4		
DMR20:39748001	20	39748001	39749000	1000	1	7.88E-08	1.2664938	29	2.9		
DMR20:46689001	20	46689001	46690000	1000	1	1.93E-06	-0.7356283	33	3.3	Sesn1	Metabolism
DMR20:51115001	20	51115001	51116000	1000	1	4.63E-06	1.1943075	5	0.5		
DMR20:55237001	20	55237001	55238000	1000	1	2.05E-06	1.2805493	1	0.1		
DMR20:55315001	20	55315001	55316000	1000	1	8.43E-06	1.4422238	4	0.4	Ascc3	Signaling
DMRX:35089001	X	35089001	35090000	1000	1	8.37E-08	1.1857069	4	0.4		
DMRX:44998001	X	44998001	44999000	1000	1	5.14E-06	0.9757826	3	0.3	Tbl1x;Cldn34e	Unknown
DMRX:48121001	X	48121001	48122000	1000	1	3.02E-06	-1.2345925	21	2.1		
DMRX:53974001	X	53974001	53975000	1000	1	1.78E-06	-1.096224	12	1.2		
DMRX:61149001	X	61149001	61150000	1000	1	1.81E-06	-0.3488365	14	1.4	Mageb4	
DMRX:64015001	X	64015001	64016000	1000	1	1.38E-06	1.1680095	12	1.2		
DMRX:73218001	X	73218001	73220000	2000	1	4.69E-06	1.3696943	3	0.15		
DMRX:80714001	X	80714001	80715000	1000	1	3.12E-06	1.0676164	1	0.1		
DMRX:80823001	X	80823001	80824000	1000	1	3.52E-06	0.9355666	0	0		
DMRX:91909001	X	91909001	91910000	1000	1	4.38E-08	0.9552579	0	0		
DMRX:96370001	X	96370001	96372000	2000	1	5.77E-06	0.8626473	10	0.5		
DMRX:104783001	X	104783001	104784000	1000	1	9.18E-06	0.7062113	4	0.4	Syt14	Transport
DMRX:114532001	X	114532001	114534000	2000	1	2.50E-06	0.903481	11	0.55		
DMRX:114862001	X	114862001	114863000	1000	1	1.17E-06	1.6514304	10	1		
DMRX:120591001	X	120591001	120592000	1000	1	1.34E-06	1.0617181	3	0.3		
DMRX:129421001	X	129421001	129422000	1000	1	7.47E-07	0.9610619	2	0.2		
DMRX:131186001	X	131186001	131188000	2000	1	7.44E-06	0.9788923	5	0.25		
DMRX:131665001	X	131665001	131668000	3000	1	6.28E-06	-0.452947	104	3.467		
DMRX:132290001	X	132290001	132291000	1000	1	8.41E-06	-0.5912718	31	3.1		
DMRX:136786001	X	136786001	136788000	2000	2	2.21E-06	0.973332	11	0.55	Igsf1	Immune
DMRX:149274001	X	149274001	149279000	5000	1	8.08E-07	0.91316	28	0.56	AABR07042135.1	
DMRY:142001	Y	142001	144000	2000	1	7.26E-06	-0.6293586	67	3.35	Tspy1	
DMRY:2378001	Y	2378001	2379000	1000	1	7.73E-07	1.0562475	3	0.3		
DMRY:3220001	Y	3220001	3221000	1000	1	3.30E-06	0.8624221	1	0.1		