

Supplemental Table S6
Site Table DOM 1e-05

DMR Name	Chr	Start	Stop	Length	# Sig Win	minP	maxLFC	CpG #	CpG Density	DMR Associated Gene Annotation	Gene Category
DMR1:2151001	1	2151001	2152000	1000	1	8.65E-07	0.9756846	4	0.4		
DMR1:2505001	1	2505001	2506000	1000	1	4.08E-07	0.7543636	9	0.9	Ust	Metabolism
DMR1:6122001	1	6122001	6123000	1000	1	2.31E-07	1.027299	2	0.2		
DMR1:14647001	1	14647001	14648000	1000	1	3.39E-08	1.0576969	4	0.4		
DMR1:16118001	1	16118001	16121000	3000	1	3.59E-07	0.6831413	26	0.867	Pde7b	Signaling
DMR1:21878001	1	21878001	21879000	1000	1	4.18E-06	0.6358586	6	0.6		
DMR1:21918001	1	21918001	21919000	1000	1	3.49E-07	0.8768608	2	0.2		
DMR1:22545001	1	22545001	22546000	1000	1	7.55E-06	0.8515043	11	1.1	Taar6;Taar5	Receptor
DMR1:24229001	1	24229001	24230000	1000	1	9.84E-07	0.968565	10	1	Sgk1	Signaling
DMR1:53344001	1	53344001	53345000	1000	1	9.00E-06	0.8146622	4	0.4		
DMR1:56187001	1	56187001	56189000	2000	1	5.46E-06	1.1540985	23	1.15		
DMR1:57456001	1	57456001	57458000	2000	1	8.58E-16	0.9725343	7	0.35		
DMR1:58377001	1	58377001	58378000	1000	1	4.09E-06	0.7093832	1	0.1		
DMR1:66825001	1	66825001	66826000	1000	1	5.78E-06	1.5816986	2	0.2		
DMR1:70135001	1	70135001	70137000	2000	1	5.17E-06	0.7610987	18	0.9	Mir3099	
DMR1:83520001	1	83520001	83521000	1000	1	2.96E-06	0.6590916	1	0.1	Cyp2b12	Metabolism
DMR1:84153001	1	84153001	84155000	2000	1	3.46E-06	-1.02012	35	1.75	Ltbp4;Shkbp1	Receptor;Transport
DMR1:84938001	1	84938001	84939000	1000	1	9.85E-06	-1.1916152	9	0.9	AABR07002784.1;RF00066	
DMR1:89053001	1	89053001	89054000	1000	1	2.10E-06	0.9533045	21	2.1	Zbtb32;Upk1a	Transcription
DMR1:91193001	1	91193001	91195000	2000	1	1.99E-06	0.7909637	29	1.45		
DMR1:94508001	1	94508001	94509000	1000	1	5.58E-08	0.9519914	7	0.7		
DMR1:95847001	1	95847001	95849000	2000	1	6.32E-06	0.7082644	11	0.55		
DMR1:103812001	1	103812001	103813000	1000	1	9.86E-06	1.4054555	0	0	Mrgprx2l	
DMR1:109237001	1	109237001	109238000	1000	1	2.00E-06	0.8972848	5	0.5		
DMR1:109278001	1	109278001	109279000	1000	1	3.31E-06	1.0237948	2	0.2		
DMR1:112330001	1	112330001	112331000	1000	1	4.79E-06	0.8330703	6	0.6	Luzp2;Gabrg3	Receptor
DMR1:131370001	1	131370001	131371000	1000	1	6.09E-06	-0.9552646	11	1.1	AABR07004228.1	
DMR1:136702001	1	136702001	136704000	2000	1	2.19E-07	1.0649545	14	0.7	AC126641.1	
DMR1:137000001	1	137000001	137001000	1000	1	9.04E-08	0.927777	5	0.5		
DMR1:141290001	1	141290001	141291000	1000	1	3.59E-09	1.2159056	5	0.5		
DMR1:142899001	1	142899001	142900000	1000	1	4.51E-06	0.7375097	8	0.8	Alpk3;AABR07004437.1	Cytoskeleton
DMR1:145570001	1	145570001	145572000	2000	1	8.34E-06	0.9941468	18	0.9		
DMR1:154238001	1	154238001	154239000	1000	1	8.74E-06	1.0764941	6	0.6		
DMR1:157063001	1	157063001	157064000	1000	1	7.36E-08	1.2196698	2	0.2	Dlg2	
DMR1:167932001	1	167932001	167934000	2000	1	2.47E-06	1.2349992	9	0.45	Olr57	Receptor
DMR1:193320001	1	193320001	193321000	1000	1	9.88E-07	1.5554184	3	0.3	Arhgap17	Signaling
DMR1:195409001	1	195409001	195410000	1000	1	3.14E-06	1.6333794	6	0.6		
DMR1:206320001	1	206320001	206321000	1000	1	8.79E-06	1.4924352	5	0.5	LOC100302465	EST
DMR1:211782001	1	211782001	211783000	1000	1	4.31E-07	1.0249538	13	1.3	Inpp5a	Signaling
DMR1:215466001	1	215466001	215467000	1000	1	2.40E-08	0.9802587	3	0.3	LOC685544	
DMR1:215526001	1	215526001	215528000	2000	1	9.72E-06	0.7459229	15	0.75	Ifitm10	
DMR1:221629001	1	221629001	221631000	2000	1	2.49E-06	0.9477927	27	1.35	Atg2a;Mir194-2;Mir192	
DMR1:221778001	1	221778001	221780000	2000	1	3.99E-06	0.73887	15	0.75	Pygm;Rasgrp2	Signaling
DMR1:226699001	1	226699001	226701000	2000	1	5.11E-07	1.2060035	16	0.8	Vwce	Development
DMR1:230848001	1	230848001	230849000	1000	1	2.83E-06	0.9912112	5	0.5		
DMR1:230911001	1	230911001	230912000	1000	1	2.80E-06	1.3786113	2	0.2		
DMR1:231283001	1	231283001	231285000	2000	2	2.97E-06	0.8554634	9	0.45		
DMR1:232312001	1	232312001	232313000	1000	1	9.71E-06	0.8592538	7	0.7	AABR07006389.1	
DMR1:244500001	1	244500001	244501000	1000	1	5.38E-06	0.8682401	10	1	AABR07006654.1	
DMR1:244955001	1	244955001	244957000	2000	1	1.32E-06	0.745263	6	0.3		
DMR1:246862001	1	246862001	246863000	1000	1	5.83E-07	-0.9885556	14	1.4		
DMR1:247545001	1	247545001	247547000	2000	1	8.11E-09	0.9740689	12	0.6	Cd274	Immune
DMR1:249695001	1	249695001	249696000	1000	1	1.12E-09	1.6514532	1	0.1		
DMR1:250865001	1	250865001	250867000	2000	1	8.99E-09	1.0964564	14	0.7	Sgms1	Metabolism
DMR1:251829001	1	251829001	251832000	3000	2	1.94E-06	0.9586046	25	0.833	AC123495.2;Rnls	Metabolism
DMR1:252598001	1	252598001	252600000	2000	1	1.54E-06	0.7281452	11	0.55	Fas;RF00026	Receptor
DMR1:254018001	1	254018001	254020000	2000	1	2.50E-06	0.8316208	26	1.3		
DMR1:254797001	1	254797001	254798000	1000	1	8.73E-06	0.8168999	1	0.1		
DMR1:255152001	1	255152001	255153000	1000	1	9.59E-06	0.7481443	11	1.1		
DMR1:255732001	1	255732001	255734000	2000	1	1.72E-10	1.1385148	4	0.2	Cpeb3	MicroRNA

DMR1:259111001	1	259111001	259113000	2000	1	1.08E-07	1.0771303	21	1.05	LOC100912537;AABR07006	Unknown
DMR1:262101001	1	262101001	262103000	2000	1	9.86E-07	0.7656315	21	1.05	854.2	
DMR1:264317001	1	264317001	264319000	2000	1	3.64E-06	1.0178883	21	1.05	Hif1an	Metabolism
DMR1:264646001	1	264646001	264647000	1000	1	5.77E-06	0.9229321	11	1.1	RF00001	
DMR1:265803001	1	265803001	265805000	2000	1	8.25E-06	0.9576671	15	0.75	Ldb1;Pprc1	Transcription;Signaling
DMR1:269466001	1	269466001	269467000	1000	1	7.75E-06	0.9084127	5	0.5		
DMR1:269529001	1	269529001	269531000	2000	1	1.37E-06	0.9702879	5	0.25		
DMR1:272177001	1	272177001	272178000	1000	1	1.83E-07	0.9476926	2	0.2		
DMR1:274394001	1	274394001	274395000	1000	1	1.63E-06	-0.8339746	27	2.7	Rbm20	
DMR1:276984001	1	276984001	276986000	2000	1	4.02E-07	0.807356	28	1.4		
DMR1:278246001	1	278246001	278247000	1000	1	5.90E-07	1.1004027	3	0.3		
DMR1:278457001	1	278457001	278459000	2000	1	2.92E-06	0.8161759	14	0.7		
DMR1:280386001	1	280386001	280387000	1000	1	9.17E-06	0.7415955	5	0.5	Kcnk18	Metabolism
DMR2:5637001	2	5637001	5638000	1000	1	3.85E-06	0.896773	2	0.2		
DMR2:6718001	2	6718001	6719000	1000	1	2.42E-07	0.9366457	1	0.1		
DMR2:11316001	2	11316001	11317000	1000	1	7.88E-13	1.1674401	1	0.1		
DMR2:12636001	2	12636001	12637000	1000	1	6.52E-06	0.7727266	5	0.5		
DMR2:18597001	2	18597001	18599000	2000	1	6.89E-06	0.6807938	11	0.55		
DMR2:18713001	2	18713001	18714000	1000	1	1.75E-08	1.7395987	11	1.1	Xrcc4	
DMR2:20578001	2	20578001	20579000	1000	1	7.96E-06	0.9533363	10	1	Ssbp2	Transcription
DMR2:27225001	2	27225001	27227000	2000	1	1.09E-06	0.7077146	14	0.7	Arhgef26	
DMR2:30409001	2	30409001	30410000	1000	1	3.51E-06	0.8915203	5	0.5	Naip2	Signaling
DMR2:31184001	2	31184001	31185000	1000	1	1.59E-06	1.0058576	3	0.3		
DMR2:32152001	2	32152001	32154000	2000	1	1.86E-06	0.8303155	16	0.8		
DMR2:37362001	2	37362001	37363000	1000	1	6.74E-13	0.8238383	1	0.1		
DMR2:40189001	2	40189001	40190000	1000	1	5.96E-07	1.0297926	12	1.2		
DMR2:43118001	2	43118001	43119000	1000	1	6.00E-09	1.4359592	8	0.8		
DMR2:44212001	2	44212001	44213000	1000	1	4.17E-06	0.9548524	3	0.3		
DMR2:51657001	2	51657001	51658000	1000	1	2.72E-10	1.0201234	4	0.4		
DMR2:52888001	2	52888001	52889000	1000	1	7.84E-06	-1.1619215	13	1.3		
DMR2:56936001	2	56936001	56937000	1000	1	1.48E-06	0.9282908	7	0.7	Wdr70	Unknown
DMR2:57132001	2	57132001	57133000	1000	1	5.51E-07	1.4253659	10	1	Wdr70	Unknown
DMR2:58034001	2	58034001	58035000	1000	1	9.46E-06	1.2207851	6	0.6		
DMR2:59553001	2	59553001	59555000	2000	1	1.99E-09	1.1558806	17	0.85		
DMR2:60000001	2	60000001	60001000	1000	1	1.69E-07	1.0523798	4	0.4	RF00100	
DMR2:60490001	2	60490001	60492000	2000	1	2.50E-06	-1.1107663	25	1.25	AC128789.1	
DMR2:60674001	2	60674001	60676000	2000	1	2.07E-06	0.7398181	30	1.5	Rai14	Transcription
DMR2:67646001	2	67646001	67647000	1000	1	6.32E-06	0.6951186	3	0.3		
DMR2:79211001	2	79211001	79212000	1000	1	1.43E-06	1.3155976	3	0.3		
DMR2:80908001	2	80908001	80909000	1000	1	5.09E-07	0.7397833	10	1		
DMR2:83442001	2	83442001	83443000	1000	1	5.05E-08	1.0176391	3	0.3	Ctnnd2	Extracellular Matrix
DMR2:89191001	2	89191001	89194000	3000	1	1.70E-06	1.108833	21	0.7	Raly1	Transcription
DMR2:105801001	2	105801001	105802000	1000	1	7.74E-06	0.922376	1	0.1		
DMR2:106933001	2	106933001	106934000	1000	1	8.22E-06	0.7116271	2	0.2		
DMR2:110198001	2	110198001	110199000	1000	1	4.10E-06	1.7109513	6	0.6		
DMR2:117976001	2	117976001	117977000	1000	1	6.54E-06	0.8977607	6	0.6		
DMR2:118914001	2	118914001	118915000	1000	1	9.06E-06	-1.3456231	8	0.8	Zfp639	Transcription
DMR2:133302001	2	133302001	133303000	1000	1	2.26E-06	1.3122086	4	0.4		
DMR2:139945001	2	139945001	139947000	2000	1	3.73E-06	0.9863049	25	1.25	AABR07010550.1	
DMR2:142253001	2	142253001	142254000	1000	1	2.24E-06	0.894621	6	0.6	Lhfp16	
DMR2:148002001	2	148002001	148003000	1000	1	9.90E-06	1.2573565	10	1	Rnf13;LOC100909840	Cytoskeleton
DMR2:148810001	2	148810001	148811000	1000	1	8.52E-07	0.8746454	7	0.7	AC112531.1;AC112531.2;Eri ch6	
DMR2:149577001	2	149577001	149578000	1000	1	4.72E-07	0.6828033	3	0.3		
DMR2:159137001	2	159137001	159139000	2000	1	1.56E-06	0.8584485	23	1.15	AABR07011152.1	
DMR2:163324001	2	163324001	163326000	2000	1	1.04E-08	0.9277674	22	1.1	AABR07011545.1	
DMR2:166920001	2	166920001	166921000	1000	1	5.18E-06	1.2195715	1	0.1		
DMR2:174091001	2	174091001	174093000	2000	1	3.45E-06	0.915742	4	0.2	Serpini1	Proteolysis
DMR2:181782001	2	181782001	181783000	1000	1	2.12E-08	0.9474229	6	0.6	RF00100	
DMR2:183585001	2	183585001	183586000	1000	1	6.67E-06	0.8341465	1	0.1	Arfp1	Signaling
DMR2:189199001	2	189199001	189201000	2000	1	9.51E-06	0.8012216	14	0.7	She;Il6r	Receptor
DMR2:189880001	2	189880001	189882000	2000	1	8.79E-06	0.8394471	59	2.95	Ilf2;Snapin;Chtop	Transcription;Epigenetic
DMR2:194881001	2	194881001	194883000	2000	1	4.45E-08	0.9708071	6	0.3	RGD1566337	Unknown

DMR2:205453001	2	205453001	205454000	1000	1	6.16E-06	0.8678552	4	0.4	Nr1h5;RF00003	
DMR2:207918001	2	207918001	207920000	2000	1	1.73E-06	0.84506	18	0.9	Kcnd3	Transport
DMR2:212820001	2	212820001	212822000	2000	1	3.26E-07	0.936302	9	0.45	Ntng1	Development
DMR2:227719001	2	227719001	227720000	1000	1	7.12E-06	-1.287324	64	6.4	Prss12;RF00399	Proteolysis
DMR2:230678001	2	230678001	230679000	1000	1	2.71E-07	0.8845483	12	1.2		
DMR2:232632001	2	232632001	232633000	1000	1	9.26E-07	1.2065689	8	0.8	AABR07013304.1	
DMR2:244122001	2	244122001	244123000	1000	1	6.64E-08	1.0509087	1	0.1	Tspan5	Cytoskeleton
DMR2:244568001	2	244568001	244569000	1000	1	4.57E-07	-1.3111393	3	0.3	Stpg2	Development
DMR2:253270001	2	253270001	253271000	1000	1	6.63E-06	-1.1278687	20	2		
DMR2:257126001	2	257126001	257127000	1000	1	5.95E-06	0.7376395	2	0.2		
DMR2:263125001	2	263125001	263126000	1000	1	1.60E-06	0.9685442	8	0.8	Negr1	Growth Factors & Cytokines
DMR3:1566001	3	1566001	1567000	1000	1	2.08E-06	0.6979726	5	0.5	Pax8	Transcription
DMR3:6482001	3	6482001	6483000	1000	1	3.77E-07	0.8530128	10	1	Col5a1	Extracellular Matrix
DMR3:9072001	3	9072001	9073000	1000	1	7.34E-06	0.7636713	7	0.7		
DMR3:10302001	3	10302001	10304000	2000	1	3.67E-07	0.9162692	10	0.5	AABR07072853.3	
DMR3:10356001	3	10356001	10357000	1000	1	4.33E-06	0.8990166	13	1.3	Ass1;RF00568	Development
DMR3:23097001	3	23097001	23099000	2000	1	1.96E-06	0.8634213	10	0.5		
DMR3:35806001	3	35806001	35808000	2000	1	6.55E-06	0.7797066	13	0.65	Mmadhc;AABR07052085.2	
DMR3:40021001	3	40021001	40023000	2000	1	9.38E-08	1.5049637	7	0.35		
DMR3:48653001	3	48653001	48654000	1000	1	5.73E-06	1.1334455	7	0.7	Gca	Receptor
DMR3:53070001	3	53070001	53071000	1000	1	4.54E-08	1.7047447	0	0		
DMR3:57816001	3	57816001	57817000	1000	1	6.42E-09	0.9961479	5	0.5	Dync1i2	Cytoskeleton
DMR3:58649001	3	58649001	58650000	1000	1	9.51E-09	0.8112374	2	0.2	Rapgef4;RF00560	Development
DMR3:59275001	3	59275001	59277000	2000	1	8.47E-07	0.9295191	21	1.05	AABR07052521.1	
DMR3:59452001	3	59452001	59453000	1000	1	2.40E-07	0.9349416	4	0.4		
DMR3:61838001	3	61838001	61839000	1000	1	6.48E-07	1.1390326	4	0.4		
DMR3:62413001	3	62413001	62414000	1000	1	9.53E-07	0.9491852	4	0.4		
DMR3:63633001	3	63633001	63635000	2000	1	1.20E-06	-1.2383981	21	1.05		
DMR3:68804001	3	68804001	68806000	2000	1	5.19E-08	1.2268462	5	0.25		
DMR3:69288001	3	69288001	69289000	1000	1	4.76E-07	0.8347554	3	0.3		
DMR3:72643001	3	72643001	72644000	1000	1	5.98E-06	0.8122968	5	0.5		
DMR3:73166001	3	73166001	73167000	1000	1	9.25E-06	0.832917	2	0.2	Olr458	
DMR3:77521001	3	77521001	77522000	1000	1	5.18E-06	1.9597161	5	0.5	Olr663	
DMR3:90855001	3	90855001	90856000	1000	1	2.21E-06	-1.9993176	10	1		
DMR3:99215001	3	99215001	99216000	1000	1	1.18E-06	1.3284172	4	0.4		
DMR3:104076001	3	104076001	104077000	1000	1	8.65E-07	-1.4750999	16	1.6	Aven	Apoptosis
DMR3:104578001	3	104578001	104579000	1000	1	7.93E-06	1.0731662	5	0.5		
DMR3:107792001	3	107792001	107794000	2000	2	5.97E-07	0.9843243	14	0.7		
DMR3:108734001	3	108734001	108736000	2000	1	8.09E-06	0.7529919	14	0.7		
DMR3:110742001	3	110742001	110744000	2000	1	2.35E-06	0.9492561	10	0.5	Bahd1;Chst14	Epigenetic;Metabolism
DMR3:113030001	3	113030001	113032000	2000	2	5.64E-07	1.3052123	4	0.2	Tgm5;Tgm7	Metabolism
DMR3:114132001	3	114132001	114134000	2000	1	2.09E-06	1.1003427	12	0.6	Trim69;Terb2	
DMR3:122505001	3	122505001	122506000	1000	1	5.85E-06	1.2980266	11	1.1		
DMR3:123666001	3	123666001	123668000	2000	1	8.92E-07	1.0182929	8	0.4	Hspa12b	Signaling
DMR3:126823001	3	126823001	126824000	1000	1	6.99E-07	0.746987	1	0.1		
DMR3:130687001	3	130687001	130689000	2000	1	5.49E-08	0.9807279	9	0.45		
DMR3:132612001	3	132612001	132613000	1000	1	6.57E-08	0.9082932	3	0.3	Sptlc3	Metabolism
DMR3:133926001	3	133926001	133927000	1000	1	7.41E-06	0.764254	9	0.9		
DMR3:137674001	3	137674001	137675000	1000	1	3.27E-06	0.9669542	4	0.4	Pcsk2	Proteolysis
DMR3:144901001	3	144901001	144902000	1000	1	5.70E-06	1.0698566	8	0.8		
DMR3:147099001	3	147099001	147100000	1000	1	1.27E-06	0.9009632	13	1.3	Sdcbp2;Snph	Transport
DMR3:155971001	3	155971001	155972000	1000	1	7.06E-06	1.1032912	2	0.2		
DMR3:156306001	3	156306001	156307000	1000	1	3.45E-07	0.9458904	15	1.5		
DMR3:159092001	3	159092001	159093000	1000	1	2.90E-06	1.1734696	15	1.5	Svs3b;Svs4	
DMR3:160317001	3	160317001	160318000	1000	1	1.08E-06	0.8719395	8	0.8		
DMR3:162241001	3	162241001	162243000	2000	1	2.84E-06	0.7760596	11	0.55	AABR07054583.1	
DMR3:165759001	3	165759001	165761000	2000	1	3.86E-06	0.7436362	17	0.85		
DMR3:166220001	3	166220001	166222000	2000	1	2.69E-07	0.7608447	16	0.8		
DMR3:170530001	3	170530001	170531000	1000	1	5.78E-06	0.654775	15	1.5		
DMR3:172652001	3	172652001	172653000	1000	1	2.54E-08	1.1737109	5	0.5		
DMR3:174870001	3	174870001	174871000	1000	1	6.76E-06	0.5644132	6	0.6		
DMR3:176266001	3	176266001	176268000	2000	1	3.84E-06	1.0758411	5	0.25		
DMR4:3710001	4	3710001	3711000	1000	1	1.15E-06	0.7448544	3	0.3		
DMR4:5226001	4	5226001	5227000	1000	1	8.49E-06	0.9166952	6	0.6		
DMR4:10280001	4	10280001	10281000	1000	1	8.31E-07	1.1012069	4	0.4		

DMR4:12237001	4	12237001	12239000	2000	1	4.01E-06	-1.432418	15	0.75		
DMR4:14170001	4	14170001	14172000	2000	1	2.04E-06	1.0258611	10	0.5	RGD1565355	
DMR4:25894001	4	25894001	25895000	1000	1	2.76E-06	0.7223881	10	1	Cdk14	Cell Cycle
DMR4:29000001	4	29000001	29001000	1000	1	1.25E-11	1.0639997	4	0.4	Gng11	Signaling
DMR4:41748001	4	41748001	41749000	1000	1	4.88E-07	0.9893314	8	0.8	Foxp2	Transcription
DMR4:42367001	4	42367001	42369000	2000	1	3.25E-06	1.1771471	14	0.7		
DMR4:44367001	4	44367001	44369000	2000	1	7.68E-06	0.6737261	12	0.6	Tes	Cytoskeleton
DMR4:45171001	4	45171001	45172000	1000	1	6.60E-07	1.2599023	5	0.5	ST7	Unknown
DMR4:49475001	4	49475001	49476000	1000	1	2.20E-06	0.8359768	5	0.5		
DMR4:52708001	4	52708001	52711000	3000	1	1.39E-07	1.1614753	14	0.467		
DMR4:55760001	4	55760001	55762000	2000	1	1.65E-06	0.9688449	13	0.65		
DMR4:58904001	4	58904001	58906000	2000	1	6.05E-06	0.9210665	26	1.3		
DMR4:59089001	4	59089001	59090000	1000	1	6.03E-06	-1.3640989	8	0.8		
DMR4:59437001	4	59437001	59438000	1000	1	6.98E-06	0.6865937	6	0.6	Plxna4	Receptor
DMR4:62115001	4	62115001	62116000	1000	1	6.63E-07	1.5179134	27	2.7		
DMR4:62134001	4	62134001	62136000	2000	1	2.39E-06	0.7378163	6	0.3		
DMR4:70375001	4	70375001	70376000	1000	1	3.59E-06	1.0941981	2	0.2		
DMR4:70858001	4	70858001	70859000	1000	1	1.33E-07	0.9844925	4	0.4	RF00026	
DMR4:74868001	4	74868001	74869000	1000	1	2.07E-06	0.8101372	3	0.3		
DMR4:84466001	4	84466001	84467000	1000	1	5.03E-08	1.2185323	5	0.5		
DMR4:84523001	4	84523001	84525000	2000	1	1.19E-09	0.9941853	10	0.5		
DMR4:88639001	4	88639001	88640000	1000	1	2.16E-06	0.8612081	5	0.5	Herc6	Translation
DMR4:99624001	4	99624001	99626000	2000	1	4.82E-08	0.9950859	18	0.9	Reep1	Receptor
DMR4:111517001	4	111517001	111518000	1000	1	9.97E-06	1.4053714	3	0.3		
DMR4:116003001	4	116003001	116004000	1000	1	2.23E-06	0.7073715	2	0.2		
DMR4:116206001	4	116206001	116212000	6000	1	1.95E-07	0.762604	49	0.817		
DMR4:118157001	4	118157001	118158000	1000	1	4.62E-07	0.9286369	3	0.3	Fam136a;LOC687679	Transcription
DMR4:124770001	4	124770001	124771000	1000	1	1.15E-06	0.9830172	5	0.5	Adamts9	Proteolysis
DMR4:125471001	4	125471001	125472000	1000	1	4.15E-06	0.9392098	20	2		
DMR4:128187001	4	128187001	128189000	2000	1	2.01E-06	1.1183353	12	0.6		
DMR4:128762001	4	128762001	128763000	1000	1	3.48E-08	0.8367375	3	0.3		
DMR4:147109001	4	147109001	147110000	1000	1	1.06E-06	1.216994	7	0.7	Syn2	Cytoskeleton
DMR4:149918001	4	149918001	149920000	2000	1	5.56E-06	1.4918258	29	1.45	LOC100909657	
DMR4:150085001	4	150085001	150086000	1000	1	5.49E-06	0.9027309	5	0.5		
DMR4:154018001	4	154018001	154019000	1000	1	1.75E-06	1.023391	7	0.7	Iqsec3	Signaling
DMR4:155670001	4	155670001	155671000	1000	1	6.62E-06	0.8879369	8	0.8	Foxj2	Transcription
DMR4:170723001	4	170723001	170726000	3000	1	7.37E-06	0.755902	32	1.067	Gucy2c	Metabolism
DMR4:173671001	4	173671001	173672000	1000	1	5.97E-07	0.8609663	12	1.2		
DMR4:174454001	4	174454001	174455000	1000	1	1.51E-06	0.7290394	10	1		
DMR4:174757001	4	174757001	174758000	1000	1	1.45E-07	1.4435032	9	0.9	Plekha5	Signaling
DMR4:175983001	4	175983001	175984000	1000	1	5.10E-06	1.1202699	5	0.5	Slco1a4;RF00100	Transport
DMR4:180341001	4	180341001	180343000	2000	1	5.22E-06	0.8433966	20	1		
DMR4:180756001	4	180756001	180757000	1000	1	2.04E-06	0.6543358	4	0.4		
DMR5:4384001	5	4384001	4385000	1000	1	5.26E-07	0.97911	4	0.4	Eya1	Metabolism
DMR5:10169001	5	10169001	10170000	1000	1	4.74E-06	0.8724685	5	0.5	Sntg1	Development
DMR5:31932001	5	31932001	31933000	1000	1	9.06E-06	0.8612133	0	0		
DMR5:33867001	5	33867001	33869000	2000	1	6.64E-07	1.2139138	26	1.3	Atp6v0d2	Transport
DMR5:35260001	5	35260001	35262000	2000	1	8.65E-07	-1.421624	16	0.8		
DMR5:41827001	5	41827001	41828000	1000	1	3.59E-07	0.7111786	3	0.3		
DMR5:45754001	5	45754001	45755000	1000	1	2.54E-08	1.1148897	10	1		
DMR5:52156001	5	52156001	52157000	1000	1	1.38E-07	1.1772724	5	0.5		
DMR5:53289001	5	53289001	53290000	1000	1	6.61E-06	0.9025302	0	0		
DMR5:61333001	5	61333001	61334000	1000	1	6.48E-08	1.1528082	9	0.9		
DMR5:62792001	5	62792001	62794000	2000	1	7.77E-07	0.7247668	12	0.6		
DMR5:62872001	5	62872001	62873000	1000	1	2.58E-08	0.7486334	1	0.1	Col15a1	Extracellular Matrix
DMR5:63030001	5	63030001	63031000	1000	1	6.09E-06	1.1884837	8	0.8		
DMR5:71888001	5	71888001	71889000	1000	1	9.84E-07	0.8088544	1	0.1		
DMR5:73091001	5	73091001	73092000	1000	1	3.95E-06	1.5388062	16	1.6		
DMR5:74493001	5	74493001	74494000	1000	1	8.11E-06	0.7763217	5	0.5		
DMR5:77693001	5	77693001	77695000	2000	1	6.79E-06	-0.7053704	48	2.4	AABR07048474.1;LOC298111	Immune
DMR5:80161001	5	80161001	80162000	1000	1	1.19E-06	0.6789724	3	0.3		
DMR5:89160001	5	89160001	89162000	2000	1	5.64E-07	0.9565583	4	0.2		
DMR5:95388001	5	95388001	95389000	1000	1	8.47E-08	0.9173073	5	0.5	AABR07048878.1	
DMR5:95457001	5	95457001	95458000	1000	1	1.95E-06	1.2287741	1	0.1	AABR07048878.2	

DMR5:99920001	5	99920001	99921000	1000	1	9.56E-08	0.7323549	5	0.5	RF00015	
DMR5:104134001	5	104134001	104135000	1000	1	4.27E-06	0.7256801	7	0.7		
DMR5:104913001	5	104913001	104915000	2000	1	9.29E-09	0.996914	20	1	Saxo1	
DMR5:107813001	5	107813001	107814000	1000	1	1.72E-08	1.1882291	2	0.2	Cdkn2a	Signaling
DMR5:112118001	5	112118001	112119000	1000	1	5.86E-08	1.3575454	0	0		
DMR5:114203001	5	114203001	114205000	2000	1	4.61E-06	0.79009	14	0.7	AABR07049292.1	
DMR5:117014001	5	117014001	117015000	1000	1	5.17E-06	1.1370883	3	0.3	Tm2d1	Unknown
DMR5:120896001	5	120896001	120897000	1000	1	1.75E-06	0.8214625	3	0.3		
DMR5:136929001	5	136929001	136931000	2000	1	2.86E-10	0.8601115	27	1.35	St3gal3	Metabolism
DMR5:137850001	5	137850001	137851000	1000	1	4.65E-06	0.6478426	13	1.3	Olr866	Receptor
DMR5:141782001	5	141782001	141783000	1000	1	2.51E-07	1.016072	11	1.1		
DMR5:141982001	5	141982001	141983000	1000	1	4.23E-07	0.8487539	16	1.6		
DMR5:142598001	5	142598001	142599000	1000	1	7.95E-06	-1.0642154	22	2.2	AABR07049886.3	
DMR5:148278001	5	148278001	148279000	1000	1	2.85E-06	0.8922952	6	0.6	Col16a1	Extracellular Matrix
DMR5:150830001	5	150830001	150831000	1000	1	7.88E-06	0.9963262	9	0.9	Eya3	Signaling
DMR5:154061001	5	154061001	154063000	2000	1	6.65E-07	0.9207266	29	1.45	Ifnlr1	Receptor
DMR5:155184001	5	155184001	155186000	2000	1	3.66E-07	0.8204238	29	1.45	Ephb2	Receptor
DMR5:156779001	5	156779001	156781000	2000	1	2.14E-06	0.9411524	20	1	Cda	Metabolism
DMR5:159784001	5	159784001	159785000	1000	1	8.14E-06	0.7000466	8	0.8		
DMR5:161523001	5	161523001	161524000	1000	1	7.36E-06	0.9971301	16	1.6	AABR07050336.1	
DMR5:162681001	5	162681001	162683000	2000	1	4.55E-06	0.9590525	21	1.05	Aadacl4	Metabolism
DMR5:165526001	5	165526001	165528000	2000	1	3.55E-06	0.7459113	19	0.95		
DMR5:165582001	5	165582001	165583000	1000	1	3.86E-06	0.64326	3	0.3		
DMR5:165584001	5	165584001	165585000	1000	1	3.17E-06	0.7554681	4	0.4		
DMR5:172669001	5	172669001	172671000	2000	1	6.66E-06	0.9163606	18	0.9	Prkcz	Signaling
DMR5:173227001	5	173227001	173228000	1000	1	1.71E-06	0.6567631	6	0.6	Vwa1;Tmem88b;Ankrd65	Extracellular Matrix;Unknown
DMR6:153001	6	153001	154000	1000	1	1.98E-07	1.1191738	7	0.7		
DMR6:7083001	6	7083001	7084000	1000	1	1.39E-06	0.991929	11	1.1		
DMR6:22557001	6	22557001	22558000	1000	1	9.28E-06	1.0855158	10	1		
DMR6:25233001	6	25233001	25235000	2000	1	4.21E-06	0.7831802	12	0.6		
DMR6:28738001	6	28738001	28740000	2000	1	9.73E-06	1.3034932	10	0.5	Ncoa1	Transcription
DMR6:28887001	6	28887001	28889000	2000	1	8.00E-07	1.2387291	16	0.8	Ncoa1	Transcription
DMR6:32573001	6	32573001	32574000	1000	1	8.92E-07	0.9880066	1	0.1	AABR07063511.2	
DMR6:34254001	6	34254001	34255000	1000	1	7.41E-06	1.2011932	3	0.3		
DMR6:34529001	6	34529001	34530000	1000	1	9.94E-06	0.8215973	3	0.3		
DMR6:36588001	6	36588001	36589000	1000	1	7.90E-07	0.8677798	5	0.5		
DMR6:39963001	6	39963001	39964000	1000	1	3.95E-06	1.3926225	4	0.4		
DMR6:49557001	6	49557001	49558000	1000	1	2.00E-06	1.098449	0	0		
DMR6:50641001	6	50641001	50642000	1000	1	7.10E-07	0.8432041	8	0.8		
DMR6:53900001	6	53900001	53901000	1000	1	1.04E-06	-0.9752189	9	0.9	Hdac9	
DMR6:54988001	6	54988001	54989000	1000	1	9.06E-07	1.3581492	14	1.4	Ahr	Transcription
DMR6:55341001	6	55341001	55342000	1000	1	3.34E-06	1.027985	6	0.6		
DMR6:57050001	6	57050001	57051000	1000	1	4.06E-06	0.9576452	1	0.1	Agmo	Metabolism
DMR6:57064001	6	57064001	57066000	2000	1	5.42E-07	0.7896941	4	0.2	Agmo	Metabolism
DMR6:74053001	6	74053001	74054000	1000	1	4.27E-06	0.7268677	3	0.3		
DMR6:77129001	6	77129001	77132000	3000	1	6.60E-06	0.8395568	23	0.767	RF00560	
DMR6:78242001	6	78242001	78243000	1000	1	2.64E-06	1.1375063	2	0.2	Mipol1	
DMR6:85401001	6	85401001	85402000	1000	1	2.14E-06	1.0950472	12	1.2		
DMR6:87891001	6	87891001	87892000	1000	1	3.10E-08	1.4782679	2	0.2		
DMR6:95322001	6	95322001	95323000	1000	1	2.93E-07	1.1748713	2	0.2	AABR07064804.1	
DMR6:100122001	6	100122001	100123000	1000	1	9.97E-06	0.741361	2	0.2		
DMR6:111067001	6	111067001	111068000	1000	1	1.03E-06	1.0008374	9	0.9	Tmem63c	
DMR6:111651001	6	111651001	111652000	1000	1	5.55E-06	1.0127815	6	0.6	Adck1	Protein Binding
DMR6:112923001	6	112923001	112924000	1000	1	4.28E-07	1.3429146	3	0.3	Nrxn3	Receptor
DMR6:116063001	6	116063001	116064000	1000	1	3.68E-06	1.3115023	3	0.3		
DMR6:124828001	6	124828001	124830000	2000	1	1.25E-06	0.9627813	22	1.1	Dglucy	
DMR6:127233001	6	127233001	127234000	1000	1	6.62E-06	1.0156385	10	1	Asb2	Transcription
DMR6:132824001	6	132824001	132825000	1000	1	1.56E-06	1.0116227	31	3.1	Wdr25	
DMR6:134130001	6	134130001	134131000	1000	1	7.88E-07	0.9318554	17	1.7		
DMR6:141673001	6	141673001	141674000	1000	1	9.79E-06	0.8782714	0	0		
DMR6:142128001	6	142128001	142129000	1000	1	8.02E-06	1.2244713	3	0.3		
DMR7:2822001	7	2822001	2823000	1000	1	1.25E-06	0.9764214	2	0.2	Ankrd52;Slc39a5;Nabp2;RF00600;Rnf41	Transcription;Transport
DMR7:8409001	7	8409001	8411000	2000	1	1.99E-09	1.3035275	15	0.75		

DMR7:15598001	7	15598001	15600000	2000	1	6.01E-07	1.2233977	12	0.6	Olr1090	Receptor
DMR7:17070001	7	17070001	17071000	1000	1	1.92E-06	-1.4325095	4	0.4		
DMR7:23743001	7	23743001	23744000	1000	1	1.89E-06	1.0016006	4	0.4	Syn3	Development
DMR7:25208001	7	25208001	25209000	1000	1	5.13E-06	0.7927992	10	1		
DMR7:25784001	7	25784001	25785000	1000	1	5.45E-06	0.9038543	9	0.9		
DMR7:25882001	7	25882001	25883000	1000	1	6.93E-06	0.6732819	4	0.4	Rfx4	Transcription
DMR7:35397001	7	35397001	35398000	1000	1	4.92E-06	1.5676059	11	1.1	Tmcc3	
DMR7:35709001	7	35709001	35710000	1000	1	6.22E-06	0.7487495	1	0.1	AABR07056680.1;AABR07056678.1	
DMR7:38265001	7	38265001	38266000	1000	1	3.25E-06	-0.8926986	19	1.9		
DMR7:38476001	7	38476001	38477000	1000	1	1.58E-06	1.3695047	5	0.5		
DMR7:61271001	7	61271001	61273000	2000	1	5.64E-06	1.2320342	17	0.85		
DMR7:61424001	7	61424001	61425000	1000	1	7.90E-06	0.7601171	4	0.4		
DMR7:62988001	7	62988001	62989000	1000	1	5.49E-07	-1.1528371	13	1.3	Lemd3	
DMR7:63082001	7	63082001	63083000	1000	1	7.26E-06	0.9947907	6	0.6		
DMR7:63963001	7	63963001	63964000	1000	1	2.73E-06	1.130517	5	0.5	Srgap1	Signaling
DMR7:66368001	7	66368001	66369000	1000	1	5.06E-06	0.8502818	6	0.6		
DMR7:66636001	7	66636001	66639000	3000	1	1.42E-07	0.9246635	23	0.767	Usp15	Proteolysis
DMR7:67495001	7	67495001	67496000	1000	1	1.09E-09	1.2464613	7	0.7		
DMR7:72004001	7	72004001	72005000	1000	1	7.56E-07	0.7507919	3	0.3	Cpq	Metabolism
DMR7:74506001	7	74506001	74507000	1000	1	3.36E-07	0.7806045	5	0.5		
DMR7:76485001	7	76485001	76486000	1000	1	3.91E-06	0.7899608	16	1.6	Ncald	Signaling
DMR7:76541001	7	76541001	76542000	1000	1	1.00E-06	0.73687	10	1		
DMR7:77530001	7	77530001	77531000	1000	1	1.15E-06	0.7822551	12	1.2		
DMR7:85124001	7	85124001	85125000	1000	1	5.92E-06	1.0647413	8	0.8		
DMR7:93675001	7	93675001	93677000	2000	1	5.07E-06	1.1232562	4	0.2		
DMR7:95313001	7	95313001	95315000	2000	1	9.29E-06	0.8047384	11	0.55	Mrpl13;Mtbp	Transcription
DMR7:97342001	7	97342001	97343000	1000	1	8.25E-06	1.0042305	3	0.3		
DMR7:98132001	7	98132001	98133000	1000	1	8.32E-06	-0.8656342	21	2.1	AABR07058011.1	
DMR7:100217001	7	100217001	100218000	1000	1	7.67E-06	0.893398	3	0.3		
DMR7:101952001	7	101952001	101953000	1000	1	8.27E-07	1.0918615	1	0.1		
DMR7:102356001	7	102356001	102358000	2000	1	3.11E-07	0.8446667	21	1.05		
DMR7:105826001	7	105826001	105827000	1000	1	3.51E-06	1.1693646	4	0.4		
DMR7:111319001	7	111319001	111320000	1000	1	1.44E-06	0.754066	7	0.7		
DMR7:119308001	7	119308001	119310000	2000	1	3.72E-06	0.7310601	24	1.2	Cacng2	Transport
DMR7:120415001	7	120415001	120416000	1000	1	5.82E-06	0.6294687	9	0.9	AC096473.3	
DMR7:123483001	7	123483001	123485000	2000	2	2.60E-07	0.7788014	22	1.1	Cenpm;LOC688613;LOC108351520	
DMR7:123881001	7	123881001	123883000	2000	1	5.67E-06	0.9131107	28	1.4	Nfam1	
DMR7:123935001	7	123935001	123936000	1000	1	6.42E-06	0.6891004	13	1.3		
DMR7:129530001	7	129530001	129532000	2000	1	5.24E-08	1.1898355	11	0.55		
DMR7:132635001	7	132635001	132636000	1000	1	5.22E-09	1.0533727	4	0.4	Slc2a13	Transport
DMR7:135329001	7	135329001	135332000	3000	1	8.41E-06	-0.91764	59	1.967		
DMR7:143246001	7	143246001	143248000	2000	1	1.33E-09	1.0539734	7	0.35	AC097791.3	
DMR7:143251001	7	143251001	143252000	1000	1	1.76E-06	0.8390758	4	0.4		
DMR8:12103001	8	12103001	12105000	2000	1	4.78E-09	1.1735277	18	0.9	Mam12	Transcription
DMR8:13445001	8	13445001	13446000	1000	1	2.00E-06	0.9179941	6	0.6		
DMR8:15292001	8	15292001	15293000	1000	1	1.50E-06	0.6823965	9	0.9		
DMR8:21763001	8	21763001	21765000	2000	1	9.72E-06	1.0155306	22	1.1		
DMR8:23010001	8	23010001	23011000	1000	1	3.07E-06	0.7536063	2	0.2	Rgl3;Ccdc151;PrkcsH	Signaling
DMR8:23845001	8	23845001	23847000	2000	1	3.98E-06	0.976966	25	1.25	Bbs9	Development
DMR8:26139001	8	26139001	26140000	1000	1	5.00E-06	1.4014176	15	1.5		
DMR8:40038001	8	40038001	40040000	2000	1	9.48E-06	0.6595255	21	1.05	AABR07069791.4;AABR07069791.3	
DMR8:43246001	8	43246001	43247000	1000	1	6.73E-09	1.2815874	4	0.4	Olr1305	
DMR8:47208001	8	47208001	47209000	1000	1	9.27E-07	0.9469136	3	0.3		
DMR8:48795001	8	48795001	48797000	2000	1	1.85E-07	1.0372392	2	0.1	RF00026;AC105645.4;Bcl9I	
DMR8:48889001	8	48889001	48890000	1000	1	5.47E-07	0.80657	3	0.3		
DMR8:53561001	8	53561001	53562000	1000	1	2.76E-06	1.0818282	10	1	AABR07070122.1	
DMR8:55834001	8	55834001	55835000	1000	1	9.73E-06	0.7592674	4	0.4		
DMR8:60452001	8	60452001	60453000	1000	1	1.43E-06	-1.2928689	10	1	Scaper	
DMR8:65556001	8	65556001	65557000	1000	1	3.72E-06	1.4235437	3	0.3	Lrrc49	
DMR8:70041001	8	70041001	70042000	1000	1	3.92E-06	1.1272538	2	0.2	Megf11	Extracellular Matrix
DMR8:73883001	8	73883001	73884000	1000	1	1.74E-06	1.0119107	10	1		

DMR8:77875001	8	77875001	77876000	1000	1	1.70E-06	0.9729201	14	1.4		
DMR8:95217001	8	95217001	95218000	1000	1	5.55E-06	-1.2917461	14	1.4		
DMR8:97097001	8	97097001	97098000	1000	1	7.03E-06	0.8450422	7	0.7	Ankrd34c	
DMR8:110646001	8	110646001	110647000	1000	1	2.35E-06	0.8306445	6	0.6	Ephb1	Receptor
DMR8:110846001	8	110846001	110847000	1000	1	1.54E-07	1.1043331	5	0.5	RF00026	
DMR8:111581001	8	111581001	111584000	3000	1	1.04E-06	1.1616041	49	1.633	Slco2a1	Metabolism
DMR8:115300001	8	115300001	115302000	2000	1	7.10E-07	0.8220153	8	0.4		
DMR8:118156001	8	118156001	118158000	2000	1	1.43E-06	0.8440726	25	1.25	Map4;Dhx30	Cytoskeleton;Transcription
DMR8:120289001	8	120289001	120290000	1000	1	2.25E-08	1.5753255	2	0.2		
DMR8:123137001	8	123137001	123138000	1000	1	2.83E-07	1.0125976	4	0.4	Osbpl10	Receptor
DMR9:4001001	9	4001001	4002000	1000	1	1.76E-06	0.7303947	3	0.3		
DMR9:9596001	9	9596001	9597000	1000	1	1.01E-06	1.0202399	4	0.4		
DMR9:10918001	9	10918001	10919000	1000	1	1.50E-06	1.1570329	0	0		
DMR9:15345001	9	15345001	15347000	2000	1	6.36E-06	1.2329171	23	1.15	Usp49	Proteolysis
DMR9:15611001	9	15611001	15612000	1000	1	7.13E-06	0.8288283	20	2	AABR07066762.1;RF00026;Guca1a;Guca1b	Signaling
DMR9:17008001	9	17008001	17010000	2000	1	4.78E-06	0.6542812	20	1		
DMR9:17445001	9	17445001	17446000	1000	1	9.33E-09	2.1604215	9	0.9		
DMR9:24718001	9	24718001	24721000	3000	1	4.72E-06	0.8177051	27	0.9		
DMR9:30382001	9	30382001	30383000	1000	1	9.94E-08	1.0801214	15	1.5		
DMR9:30493001	9	30493001	30494000	1000	1	2.92E-06	0.7703284	3	0.3	Col9a1	Extracellular Matrix
DMR9:40624001	9	40624001	40625000	1000	1	3.21E-06	0.6764618	5	0.5		
DMR9:46448001	9	46448001	46449000	1000	1	5.70E-06	-0.6425371	25	2.5	Rfx8	Transcription
DMR9:53847001	9	53847001	53848000	1000	1	1.60E-06	0.8788261	4	0.4		
DMR9:70339001	9	70339001	70340000	1000	1	3.28E-06	1.6083069	8	0.8	Dytn	
DMR9:85693001	9	85693001	85694000	1000	1	3.52E-06	1.1507403	7	0.7		
DMR9:89890001	9	89890001	89891000	1000	1	1.88E-06	0.9396193	4	0.4		
DMR9:93053001	9	93053001	93054000	1000	1	1.89E-06	1.3371965	9	0.9	LOC100362216	
DMR9:94789001	9	94789001	94790000	1000	1	8.91E-07	1.2479434	8	0.8	Inpp5d	Signaling
DMR9:97193001	9	97193001	97194000	1000	1	1.77E-08	0.8298846	14	1.4	AABR07068304.1	
DMR9:97344001	9	97344001	97345000	1000	1	5.74E-06	0.8294814	18	1.8		
DMR9:97451001	9	97451001	97452000	1000	1	3.40E-08	0.8078122	3	0.3		
DMR9:98713001	9	98713001	98715000	2000	1	4.85E-06	0.9703219	18	0.9		
DMR9:102715001	9	102715001	102716000	1000	1	5.59E-07	1.1018396	0	0		
DMR9:110200001	9	110200001	110201000	1000	1	3.98E-06	0.967508	10	1	Efna5	Signaling
DMR10:7144001	10	7144001	7145000	1000	1	3.94E-08	0.8324103	10	1	Abat	Metabolism
DMR10:17030001	10	17030001	17031000	1000	1	1.10E-06	-1.0086147	10	1		
DMR10:17949001	10	17949001	17950000	1000	1	9.71E-06	0.7251051	11	1.1		
DMR10:25648001	10	25648001	25649000	1000	1	8.71E-06	0.8474205	10	1		
DMR10:31066001	10	31066001	31067000	1000	1	1.09E-06	1.7130425	4	0.4	Sox30	Transcription
DMR10:41268001	10	41268001	41269000	1000	1	8.39E-06	0.9202445	3	0.3		
DMR10:43136001	10	43136001	43138000	2000	1	9.26E-08	1.0246422	17	0.85	Galnt10	Metabolism
DMR10:50414001	10	50414001	50415000	1000	1	9.07E-06	0.7963428	11	1.1		
DMR10:52742001	10	52742001	52743000	1000	1	8.05E-06	0.83285	3	0.3	Shisa6	Development
DMR10:58931001	10	58931001	58932000	1000	1	9.29E-07	1.0695017	4	0.4	Tekt1	Cytoskeleton
DMR10:59186001	10	59186001	59187000	1000	1	5.80E-06	1.529134	3	0.3	Ube2g1	Metabolism
DMR10:61597001	10	61597001	61599000	2000	1	6.80E-07	0.8227096	16	0.8		
DMR10:64170001	10	64170001	64171000	1000	1	1.34E-07	0.8862543	9	0.9	RGD1565611	
DMR10:66742001	10	66742001	66744000	2000	1	6.41E-06	0.793367	6	0.3	Nf1	Signaling
DMR10:69210001	10	69210001	69211000	1000	1	9.61E-06	0.6063803	8	0.8		
DMR10:69236001	10	69236001	69237000	1000	1	7.45E-06	0.5608588	8	0.8		
DMR10:70352001	10	70352001	70357000	5000	2	2.12E-06	0.7501002	12	0.24	Slfn13;AC128859.5;AC128859.2	Translation
DMR10:76826001	10	76826001	76827000	1000	1	4.70E-07	0.7667439	17	1.7		
DMR10:78818001	10	78818001	78820000	2000	1	5.76E-06	1.0369976	13	0.65		
DMR10:82173001	10	82173001	82174000	1000	1	1.11E-08	0.8708814	5	0.5	Cacna1g	Transport
DMR10:86381001	10	86381001	86382000	1000	1	3.90E-07	0.8724008	0	0	Erbp2;RF00026;Mien1	Receptor
DMR10:88592001	10	88592001	88593000	1000	1	8.85E-07	0.8911626	6	0.6	Dhx58	Transcription
DMR10:92108001	10	92108001	92109000	1000	1	6.21E-06	0.7716	2	0.2		
DMR10:96643001	10	96643001	96644000	1000	1	2.98E-06	0.739337	12	1.2	Apoh	Binding Protein
DMR10:97771001	10	97771001	97772000	1000	1	8.95E-06	0.7867148	4	0.4	Arsg	Metabolism
DMR10:97973001	10	97973001	97975000	2000	1	7.23E-06	0.9579	22	1.1	Fam20a	Unknown
DMR10:100501001	10	100501001	100503000	2000	1	7.38E-06	0.9585472	23	1.15		
DMR10:102159001	10	102159001	102161000	2000	1	5.07E-07	1.0323883	24	1.2	Cog1	Golgi

DMR10:103625001	10	103625001	103626000	1000	1	4.28E-06	0.8719337	10	1	Cd300e	Receptor
DMR10:106249001	10	106249001	106250000	1000	1	3.87E-06	0.8412943	9	0.9		
DMR10:109263001	10	109263001	109264000	1000	1	8.45E-08	0.9834916	4	0.4	Cep131;Tepsin	
DMR11:7281001	11	7281001	7282000	1000	1	2.89E-07	0.6223949	2	0.2	Gbe1	Metabolism
DMR11:9512001	11	9512001	9513000	1000	1	6.08E-07	0.7205925	3	0.3		
DMR11:12062001	11	12062001	12064000	2000	1	8.92E-07	1.3093028	9	0.45		
DMR11:14683001	11	14683001	14684000	1000	1	2.59E-07	0.9591632	6	0.6	Nrip1	Transcription
DMR11:21772001	11	21772001	21775000	3000	1	7.91E-06	0.872824	17	0.567		
DMR11:22092001	11	22092001	22093000	1000	1	5.21E-08	0.7484742	8	0.8		
DMR11:36005001	11	36005001	36007000	2000	1	1.32E-06	0.8631843	13	0.65		
DMR11:36264001	11	36264001	36265000	1000	1	1.36E-06	0.9442604	6	0.6		
DMR11:38008001	11	38008001	38009000	1000	1	4.27E-08	0.8660913	2	0.2		
DMR11:38031001	11	38031001	38032000	1000	1	9.59E-06	1.1691137	2	0.2	Mx2	Immune
DMR11:59955001	11	59955001	59957000	2000	1	5.64E-06	0.9293993	6	0.3		
DMR11:64970001	11	64970001	64971000	1000	1	2.02E-06	0.8974546	4	0.4	Cox17;Maats1	Binding Protein
DMR11:65921001	11	65921001	65922000	1000	1	3.59E-06	1.0318762	6	0.6		
DMR11:69043001	11	69043001	69044000	1000	1	8.19E-11	1.1615544	11	1.1	Mylk	Cytoskeleton
DMR11:69202001	11	69202001	69203000	1000	1	1.64E-06	1.1345256	4	0.4	Mylk	Cytoskeleton
DMR11:80092001	11	80092001	80093000	1000	1	8.49E-07	1.0342631	9	0.9		
DMR11:82153001	11	82153001	82154000	1000	1	5.13E-06	0.8260103	2	0.2	Dgkg	Signaling
DMR11:86269001	11	86269001	86271000	2000	1	1.81E-06	1.1761735	9	0.45	Hira;Mrpl40	Transcription;Translation
DMR11:86472001	11	86472001	86473000	1000	1	4.11E-06	0.8477965	3	0.3		
DMR11:87271001	11	87271001	87272000	1000	1	2.27E-11	1.3517495	2	0.2	Dgcr2	Development
DMR11:87644001	11	87644001	87645000	1000	1	5.67E-06	0.8252213	4	0.4		
DMR12:7114001	12	7114001	7116000	2000	1	6.98E-07	0.870764	21	1.05	RF00017;AABR07035218.2	
DMR12:11896001	12	11896001	11897000	1000	1	2.50E-06	0.808138	16	1.6		
DMR12:16500001	12	16500001	16501000	1000	1	1.53E-06	0.7685749	8	0.8	Mad1l1	
DMR12:16877001	12	16877001	16878000	1000	1	8.05E-06	0.8687594	8	0.8		
DMR12:17078001	12	17078001	17083000	5000	1	6.24E-07	1.023235	37	0.74		
DMR12:17389001	12	17389001	17390000	1000	1	6.88E-07	1.1729929	51	5.1	LOC498154;Cyp2w1;Cox19	Unknown;Metabolism
DMR12:24819001	12	24819001	24821000	2000	1	1.03E-07	0.8716034	17	0.85		
DMR12:24881001	12	24881001	24882000	1000	1	1.00E-05	0.7843288	8	0.8		
DMR12:25675001	12	25675001	25676000	1000	1	2.58E-08	1.0293021	4	0.4		
DMR12:26189001	12	26189001	26190000	1000	1	2.98E-07	0.8585756	7	0.7		
DMR12:26232001	12	26232001	26234000	2000	1	5.79E-06	0.7871315	9	0.45	AABR07035868.1	
DMR12:29657001	12	29657001	29659000	2000	1	4.86E-06	0.9037851	30	1.5	Caln1	Signaling
DMR12:30026001	12	30026001	30027000	1000	1	6.19E-06	0.7699599	3	0.3	Kctd7	Signaling
DMR12:36662001	12	36662001	36663000	1000	1	4.84E-06	0.7182025	7	0.7		
DMR12:37483001	12	37483001	37484000	1000	1	3.23E-07	1.4626036	14	1.4	Tmed2;Rilpl1	Metabolism;Transcription
DMR12:40651001	12	40651001	40652000	1000	1	2.80E-06	1.077319	8	0.8	Naa25	Metabolism
DMR12:41961001	12	41961001	41963000	2000	1	6.37E-06	0.8843046	10	0.5	Rbm19	Transcription
DMR12:42415001	12	42415001	42416000	1000	1	1.23E-07	0.7916309	21	2.1		
DMR12:42433001	12	42433001	42434000	1000	1	1.51E-06	0.9763685	4	0.4		
DMR12:44754001	12	44754001	44755000	1000	1	7.01E-07	0.7008064	6	0.6	Ksr2	Signaling
DMR12:50071001	12	50071001	50074000	3000	1	3.06E-06	0.8849285	43	1.433		
DMR12:52152001	12	52152001	52153000	1000	1	3.48E-08	1.156269	6	0.6	Galnt9	Metabolism
DMR13:9411001	13	9411001	9412000	1000	1	9.42E-07	0.9314045	1	0.1	RF00406	
DMR13:14460001	13	14460001	14462000	2000	1	9.08E-06	1.3310197	12	0.6	LOC304725	
DMR13:16389001	13	16389001	16390000	1000	1	9.12E-07	0.9929497	14	1.4		
DMR13:37338001	13	37338001	37339000	1000	1	5.47E-06	0.8802521	12	1.2		
DMR13:42268001	13	42268001	42269000	1000	1	3.61E-07	-1.4121827	11	1.1	Lypd1;Nckap5	
DMR13:44148001	13	44148001	44149000	1000	1	2.79E-06	-0.8969441	20	2	Mgat5	Golgi
DMR13:50096001	13	50096001	50097000	1000	1	1.99E-08	0.957903	8	0.8	Atp2b4	Transport
DMR13:58178001	13	58178001	58179000	1000	1	1.02E-07	1.0997417	2	0.2		
DMR13:66594001	13	66594001	66595000	1000	1	7.87E-08	2.175141	10	1	RF00560	
DMR13:67010001	13	67010001	67011000	1000	1	2.82E-08	1.2113337	15	1.5	Pla2g4a	Metabolism
DMR13:70468001	13	70468001	70469000	1000	1	5.12E-06	0.5463074	5	0.5	Nmnat2	Metabolism
DMR13:72523001	13	72523001	72525000	2000	1	5.20E-06	0.9046919	5	0.25		
DMR13:74147001	13	74147001	74148000	1000	1	8.50E-07	0.6919137	9	0.9	Abl2	Signaling
DMR13:83901001	13	83901001	83902000	1000	1	8.76E-07	0.9329218	10	1	Rcsd1	Unknown
DMR13:92953001	13	92953001	92955000	2000	1	4.21E-06	0.8166404	11	0.55	Grem2	
DMR13:104490001	13	104490001	104491000	1000	1	7.24E-07	0.9529559	13	1.3		
DMR13:109987001	13	109987001	109990000	3000	1	1.27E-07	0.9397322	33	1.1	Nenf;RF00003	Development
DMR13:111789001	13	111789001	111790000	1000	1	1.61E-06	1.3676412	6	0.6		

DMR13:113767001	13	113767001	113768000	1000	1	5.35E-08	1.0932222	3	0.3	AC118802.1	
DMR14:485001	14	485001	486000	1000	1	7.99E-06	0.7217521	6	0.6		
DMR14:4295001	14	4295001	4296000	1000	1	3.04E-07	-0.9237718	41	4.1		
DMR14:7622001	14	7622001	7624000	2000	2	4.92E-07	1.1046638	28	1.4	Aff1-as1;Slc10a6	Transport
DMR14:9244001	14	9244001	9245000	1000	1	1.24E-06	1.3435369	22	2.2	Wdfy3	Apoptosis
DMR14:14565001	14	14565001	14566000	1000	1	9.22E-06	0.7614266	7	0.7	Fras1	Development
DMR14:16613001	14	16613001	16614000	1000	1	2.06E-06	0.9495227	9	0.9	Shroom3	Cytoskeleton
DMR14:18947001	14	18947001	18950000	3000	1	3.94E-06	0.6786261	28	0.933	RF00402	
DMR14:23977001	14	23977001	23979000	2000	1	5.60E-06	0.9272207	7	0.35	AABR07014630.1;Tmprss11f	Protease
DMR14:25617001	14	25617001	25618000	1000	1	6.39E-06	0.7962157	3	0.3	Epha5	Receptor
DMR14:26960001	14	26960001	26961000	1000	1	6.30E-06	0.5670506	2	0.2		
DMR14:28803001	14	28803001	28804000	1000	1	1.28E-09	1.2753674	7	0.7	Adgrl3	
DMR14:28811001	14	28811001	28812000	1000	1	6.18E-06	0.8493595	11	1.1	Adgrl3	
DMR14:37855001	14	37855001	37856000	1000	1	2.79E-06	0.8022327	8	0.8	Slain2	
DMR14:52634001	14	52634001	52635000	1000	1	6.05E-06	1.2504233	9	0.9		
DMR14:55966001	14	55966001	55967000	1000	1	6.60E-06	1.1808522	5	0.5		
DMR14:57932001	14	57932001	57933000	1000	1	1.95E-06	0.9516477	2	0.2		
DMR14:63902001	14	63902001	63903000	1000	1	5.49E-07	0.6880544	2	0.2		
DMR14:70132001	14	70132001	70134000	2000	1	9.45E-07	0.9558258	15	0.75		
DMR14:72401001	14	72401001	72402000	1000	1	2.27E-07	1.1126383	3	0.3		
DMR14:77879001	14	77879001	77880000	1000	1	7.66E-07	1.4916649	15	1.5	Stk32b	Signaling
DMR14:78872001	14	78872001	78873000	1000	1	2.19E-08	0.7737977	6	0.6	Ppp2r2c	Signaling
DMR14:84463001	14	84463001	84465000	2000	1	6.87E-06	0.8560299	23	1.15	Osm	Signaling
DMR14:84842001	14	84842001	84844000	2000	2	6.55E-08	0.9821328	18	0.9	RF00026	
DMR14:84850001	14	84850001	84851000	1000	1	1.42E-06	0.9773109	8	0.8	RF00026	
DMR14:87025001	14	87025001	87027000	2000	1	8.12E-06	0.6181944	21	1.05		
DMR14:91837001	14	91837001	91838000	1000	1	8.42E-06	0.8637146	2	0.2	Ikzf1	Transcription
DMR14:92389001	14	92389001	92390000	1000	1	5.24E-06	0.9880317	5	0.5	Cobl	Development
DMR14:92497001	14	92497001	92498000	1000	1	6.19E-07	-1.3476802	13	1.3	Cobl	Development
DMR14:97112001	14	97112001	97113000	1000	1	6.25E-06	0.9101786	2	0.2		
DMR14:99376001	14	99376001	99378000	2000	1	2.67E-06	1.0694718	10	0.5		
DMR14:103684001	14	103684001	103685000	1000	1	2.27E-06	0.7484163	9	0.9		
DMR14:106300001	14	106300001	106301000	1000	1	2.47E-07	0.8491922	9	0.9		
DMR14:108172001	14	108172001	108174000	2000	1	2.61E-06	0.8078678	24	1.2	Usp34	Protease
DMR14:114346001	14	114346001	114347000	1000	1	6.63E-06	0.8794408	6	0.6	Emi6	Cytoskeleton
DMR15:143001	15	143001	144000	1000	1	1.85E-06	0.820811	3	0.3	Dlg5	Extracellular Matrix
DMR15:535001	15	535001	536000	1000	1	1.19E-06	0.9909756	6	0.6	Kcnma1	Metabolism
DMR15:2535001	15	2535001	2536000	1000	1	5.37E-08	1.0896398	24	2.4	Dusp13	Signaling
DMR15:8564001	15	8564001	8565000	1000	1	3.52E-06	0.7500031	1	0.1		
DMR15:8800001	15	8800001	8801000	1000	1	1.71E-06	1.2834013	3	0.3		
DMR15:17072001	15	17072001	17073000	1000	1	5.88E-06	0.6935481	1	0.1		
DMR15:19384001	15	19384001	19385000	1000	1	5.17E-06	0.5919771	5	0.5		
DMR15:20759001	15	20759001	20762000	3000	1	1.63E-06	0.8804787	34	1.133		
DMR15:24439001	15	24439001	24440000	1000	1	8.04E-06	-1.5345669	7	0.7		
DMR15:24872001	15	24872001	24873000	1000	1	1.30E-06	0.7509021	11	1.1	AABR07017513.1	
DMR15:33640001	15	33640001	33641000	1000	1	6.15E-06	1.0118685	7	0.7	AC130940.1;Myh7;Mir208b	Cytoskeleton
DMR15:33673001	15	33673001	33674000	1000	1	5.07E-10	0.8093746	5	0.5	Ngdn	
DMR15:35671001	15	35671001	35672000	1000	1	3.00E-06	1.8486079	5	0.5		
DMR15:38285001	15	38285001	38286000	1000	1	1.30E-06	0.7340268	10	1	Micu2	
DMR15:41481001	15	41481001	41483000	2000	1	4.34E-07	0.8103224	2	0.1	Sacs	
DMR15:43070001	15	43070001	43071000	1000	1	4.63E-06	0.6420571	27	2.7		
DMR15:53464001	15	53464001	53465000	1000	1	2.74E-06	1.0361545	14	1.4		
DMR15:54322001	15	54322001	54323000	1000	1	4.24E-06	0.9770359	5	0.5		
DMR15:56844001	15	56844001	56846000	2000	1	4.56E-08	0.9959619	13	0.65	Lrch1	Unknown
DMR15:65208001	15	65208001	65209000	1000	1	2.17E-06	-0.4990535	11	1.1		
DMR15:93095001	15	93095001	93097000	2000	1	2.93E-06	0.8468793	9	0.45	Mycbp2	Metabolism
DMR15:95849001	15	95849001	95850000	1000	1	3.29E-07	1.1629841	9	0.9		
DMR15:96671001	15	96671001	96672000	1000	1	4.15E-06	0.8729415	7	0.7		
DMR15:98381001	15	98381001	98382000	1000	1	5.30E-06	1.0307308	7	0.7		
DMR15:105260001	15	105260001	105261000	1000	1	2.48E-06	0.8073303	21	2.1	Hs6st3	Metabolism
DMR15:106781001	15	106781001	106782000	1000	1	4.31E-06	0.752685	6	0.6		
DMR16:3262001	16	3262001	3263000	1000	1	4.41E-06	0.9714881	7	0.7		
DMR16:3399001	16	3399001	3401000	2000	1	5.74E-07	0.928496	6	0.3	Erc2	Cytoskeleton

DMR16:20930001	16	20930001	20931000	1000	1	3.38E-08	1.1168323	5	0.5	Sugp2;RF00026;Arm6	
DMR16:24924001	16	24924001	24925000	1000	1	6.83E-06	1.1069459	5	0.5		
DMR16:27417001	16	27417001	27418000	1000	1	1.94E-06	1.2165368	2	0.2	Tll1	Protease
DMR16:28596001	16	28596001	28597000	1000	1	2.84E-06	0.9871605	2	0.2	Spock3	Signaling
DMR16:39204001	16	39204001	39206000	2000	1	5.02E-07	0.9026098	16	0.8		
DMR16:39230001	16	39230001	39231000	1000	1	8.57E-06	0.7181198	6	0.6		
DMR16:51779001	16	51779001	51780000	1000	1	8.66E-06	0.8482769	11	1.1	AABR07025818.1	
DMR16:65197001	16	65197001	65198000	1000	1	1.26E-06	0.7149221	6	0.6	AABR07026137.1	
DMR16:67138001	16	67138001	67141000	3000	2	8.29E-07	0.7553604	27	0.9	RF00204	
DMR16:68841001	16	68841001	68842000	1000	1	7.43E-06	0.7867115	7	0.7	Poteg	
DMR16:70498001	16	70498001	70499000	1000	1	4.95E-06	0.7515825	3	0.3		
DMR16:70916001	16	70916001	70917000	1000	1	9.50E-08	0.8108733	4	0.4	AABR07026294.1;Kcnu1	
DMR16:75727001	16	75727001	75728000	1000	1	7.11E-09	1.4674708	3	0.3		
DMR16:76462001	16	76462001	76463000	1000	1	6.71E-07	1.1124259	4	0.4		
DMR16:80341001	16	80341001	80342000	1000	1	5.99E-06	0.8537919	17	1.7		
DMR16:81084001	16	81084001	81086000	2000	1	5.45E-07	0.9627342	24	1.2	AC111257.1;Tfdp1	Transcription
DMR16:84615001	16	84615001	84617000	2000	1	1.71E-08	0.8705342	16	0.8	Myo16	Cytoskeleton
DMR16:85038001	16	85038001	85039000	1000	1	3.87E-06	1.2063511	6	0.6		
DMR16:86860001	16	86860001	86862000	2000	1	1.16E-06	0.8472094	19	0.95		
DMR16:88316001	16	88316001	88317000	1000	1	3.40E-08	1.0804786	1	0.1		
DMR16:89205001	16	89205001	89206000	1000	1	3.30E-06	1.0207432	2	0.2		
DMR17:1886001	17	1886001	1888000	2000	1	2.65E-06	0.8699009	8	0.4	Ctsl	Proteolysis
DMR17:5354001	17	5354001	5356000	2000	1	4.44E-07	0.6779562	6	0.3	Spata31d3;LOC100912252	
DMR17:8844001	17	8844001	8845000	1000	1	4.58E-07	0.7409329	5	0.5		
DMR17:9059001	17	9059001	9060000	1000	1	1.33E-06	0.9088238	9	0.9	RF00026	
DMR17:11327001	17	11327001	11329000	2000	1	3.35E-07	0.8157856	31	1.55		
DMR17:11929001	17	11929001	11930000	1000	1	8.28E-08	1.1664917	15	1.5		
DMR17:17623001	17	17623001	17625000	2000	1	6.50E-06	0.6067168	26	1.3		
DMR17:21208001	17	21208001	21209000	1000	1	7.18E-07	-1.07195	15	1.5		
DMR17:25266001	17	25266001	25267000	1000	1	4.76E-06	0.7245537	1	0.1	AABR07027342.1	
DMR17:37099001	17	37099001	37101000	2000	1	1.76E-06	0.5776286	12	0.6	AABR07027567.1	
DMR17:37706001	17	37706001	37709000	3000	1	2.30E-06	0.8841728	14	0.467	AABR07027581.1	
DMR17:43163001	17	43163001	43164000	1000	1	2.05E-06	0.9761633	0	0	Carmil1	
DMR17:43533001	17	43533001	43534000	1000	1	1.71E-06	0.6481211	5	0.5	Slc17a3	Transport
DMR17:49759001	17	49759001	49760000	1000	1	7.51E-08	0.7359793	0	0		
DMR17:56669001	17	56669001	56670000	1000	1	3.52E-06	1.1950406	8	0.8		
DMR17:60230001	17	60230001	60231000	1000	1	3.49E-06	-0.9559448	6	0.6	Mpp7	Cytoskeleton
DMR17:70105001	17	70105001	70108000	3000	1	8.62E-06	1.0053335	18	0.6		
DMR17:70569001	17	70569001	70570000	1000	1	6.85E-06	0.7056968	12	1.2		
DMR18:17483001	18	17483001	17484000	1000	1	5.95E-07	1.0861598	6	0.6	RGD1562608	EST
DMR18:19082001	18	19082001	19083000	1000	1	8.02E-06	1.5358297	0	0		
DMR18:25107001	18	25107001	25109000	2000	1	9.84E-06	0.8696506	16	0.8		
DMR18:26296001	18	26296001	26297000	1000	1	5.38E-07	0.7803924	3	0.3		
DMR18:32782001	18	32782001	32783000	1000	1	5.25E-06	1.3157444	7	0.7		
DMR18:36227001	18	36227001	36228000	1000	1	3.42E-07	-1.7229256	6	0.6	Prelid2	
DMR18:40520001	18	40520001	40522000	2000	1	1.94E-06	0.7279351	7	0.35	Fem1c	Unknown
DMR18:43414001	18	43414001	43415000	1000	1	6.30E-08	1.7697754	6	0.6		
DMR18:43677001	18	43677001	43678000	1000	1	1.28E-06	0.7849321	5	0.5		
DMR18:52785001	18	52785001	52786000	1000	1	2.76E-06	0.909631	22	2.2		
DMR18:56803001	18	56803001	56804000	1000	1	8.03E-06	0.9200113	13	1.3	RF00026	
DMR18:57176001	18	57176001	57178000	2000	1	7.03E-06	0.6691427	4	0.2	Ablim3	Cytoskeleton
DMR18:60945001	18	60945001	60947000	2000	1	8.01E-06	1.5520712	22	1.1		
DMR18:64824001	18	64824001	64825000	1000	1	9.23E-06	-0.9202426	6	0.6		
DMR18:72259001	18	72259001	72260000	1000	1	3.76E-06	0.9548849	4	0.4	Zbtb7c	Transcription
DMR18:72940001	18	72940001	72941000	1000	1	1.27E-06	0.9512083	4	0.4		
DMR18:73783001	18	73783001	73784000	1000	1	9.14E-07	1.3149649	3	0.3	Loxhd1	
DMR18:87417001	18	87417001	87418000	1000	1	1.94E-08	1.0885696	1	0.1	AABR07032888.1	
DMR19:148001	19	148001	149000	1000	1	1.82E-06	1.0173195	9	0.9		
DMR19:8032001	19	8032001	8035000	3000	1	1.66E-06	0.8119246	22	0.733		
DMR19:10164001	19	10164001	10166000	2000	1	8.51E-06	0.7590977	31	1.55	Tepp;Cngb1	Unknown;Receptor
DMR19:11321001	19	11321001	11324000	3000	1	5.02E-06	0.7067605	30	1	Mt3	
DMR19:11612001	19	11612001	11613000	1000	1	4.33E-06	0.7617754	11	1.1	Gnao1	Signaling
DMR19:17075001	19	17075001	17076000	1000	1	2.75E-07	1.5958919	12	1.2	Fto	
DMR19:23993001	19	23993001	23995000	2000	1	6.57E-06	0.8598722	10	0.5		

DMR19:29731001	19	29731001	29732000	1000	1	7.90E-06	0.6509326	12	1.2	Inpp4b	Signaling
DMR19:32387001	19	32387001	32388000	1000	1	5.36E-07	0.9807808	5	0.5	LOC498933	
DMR19:34341001	19	34341001	34342000	1000	1	4.85E-06	1.1364267	13	1.3	Arhgap10	Signaling
DMR19:39799001	19	39799001	39800000	1000	1	3.83E-07	0.9684681	10	1		
DMR19:46136001	19	46136001	46137000	1000	1	1.16E-06	0.7720327	7	0.7		
DMR19:47859001	19	47859001	47862000	3000	1	2.87E-06	0.8186867	27	0.9		
DMR19:47908001	19	47908001	47910000	2000	1	9.71E-07	0.7843573	18	0.9		
DMR19:49261001	19	49261001	49263000	2000	1	1.04E-10	0.7722362	10	0.5		
DMR19:49841001	19	49841001	49843000	2000	1	4.50E-06	0.9651863	18	0.9	Cmip	Signaling
DMR19:51628001	19	51628001	51631000	3000	1	7.63E-07	0.9953186	21	0.7	Cdh13	Extracellular Matrix
DMR19:53312001	19	53312001	53313000	1000	1	2.69E-08	1.0057211	10	1		
DMR20:2063001	20	2063001	2064000	1000	1	1.19E-06	1.0969697	3	0.3	AC108572.5;RT1-M6-1	Immune
DMR20:2392001	20	2392001	2393000	1000	1	8.98E-11	1.2348816	3	0.3	AC120486.1	
DMR20:2435001	20	2435001	2436000	1000	1	3.55E-06	1.3637542	3	0.3	AC120486.12;AC120486.7	
DMR20:2544001	20	2544001	2545000	1000	1	8.46E-06	0.7621966	7	0.7	AC120486.9;AC120486.4	
DMR20:4287001	20	4287001	4288000	1000	1	9.37E-06	-0.7942276	29	2.9	RGD1624210;AABR07044388.6	Immune
DMR20:8650001	20	8650001	8652000	2000	1	9.77E-06	-0.9329391	44	2.2		
DMR20:9661001	20	9661001	9662000	1000	1	1.54E-06	0.9070454	1	0.1	Umodl1	
DMR20:10284001	20	10284001	10285000	1000	1	2.76E-06	0.8518198	14	1.4	Ndufv3;RF00340	Metabolism
DMR20:13447001	20	13447001	13449000	2000	1	3.95E-06	0.8778243	17	0.85	Slc5a4	Transport
DMR20:16673001	20	16673001	16674000	1000	1	1.90E-06	0.9520557	8	0.8		
DMR20:18370001	20	18370001	18371000	1000	1	2.12E-06	0.6334799	10	1		
DMR20:20981001	20	20981001	20982000	1000	1	1.63E-08	0.984514	5	0.5	AABR07044799.1	
DMR20:25393001	20	25393001	25395000	2000	1	2.54E-06	0.834221	5	0.25	AABR07044900.1	
DMR20:30473001	20	30473001	30475000	2000	1	6.65E-06	-0.9565672	27	1.35		
DMR20:31681001	20	31681001	31685000	4000	1	4.93E-06	0.5565914	67	1.675		
DMR20:31703001	20	31703001	31705000	2000	1	4.55E-06	0.7796162	10	0.5	AABR07045015.1	
DMR20:37900001	20	37900001	37901000	1000	1	3.60E-07	0.9927969	12	1.2		
DMRX:2676001	X	2676001	2678000	2000	1	5.73E-06	1.6773218	14	0.7		
DMRX:2686001	X	2686001	2687000	1000	1	7.91E-06	0.778658	16	1.6		
DMRX:14049001	X	14049001	14050000	1000	1	1.56E-06	0.9492176	6	0.6	Syt15	Development
DMRX:52246001	X	52246001	52247000	1000	1	6.12E-06	0.8764697	1	0.1	Dmd	Development
DMRX:63564001	X	63564001	63573000	9000	1	2.29E-06	0.6933947	61	0.678	Apoo	Extracellular Matrix
DMRX:65774001	X	65774001	65776000	2000	1	3.94E-06	1.1245739	6	0.3		
DMRX:76189001	X	76189001	76190000	1000	1	7.99E-07	1.1584946	5	0.5		
DMRX:78204001	X	78204001	78205000	1000	1	2.24E-09	1.1207001	6	0.6	RF00026;P2ry10	Receptor
DMRX:80823001	X	80823001	80824000	1000	1	3.38E-06	0.8293952	0	0		
DMRX:86971001	X	86971001	86972000	1000	1	1.46E-08	1.4203026	2	0.2		
DMRX:90277001	X	90277001	90278000	1000	1	4.28E-08	0.9648893	4	0.4		
DMRX:95394001	X	95394001	95395000	1000	1	2.12E-06	0.768403	6	0.6		
DMRX:105446001	X	105446001	105448000	2000	1	1.29E-06	0.7094909	10	0.5		
DMRX:114716001	X	114716001	114717000	1000	1	7.35E-06	1.0169058	9	0.9		
DMRX:115188001	X	115188001	115192000	4000	1	3.10E-06	0.6536524	31	0.775		
DMRX:125605001	X	125605001	125606000	1000	1	1.74E-06	0.7368348	5	0.5		
DMRX:131186001	X	131186001	131187000	1000	1	8.82E-06	0.7664287	1	0.1		
DMRX:137289001	X	137289001	137290000	1000	1	1.39E-06	0.9140633	1	0.1		
DMRX:147669001	X	147669001	147670000	1000	1	1.02E-06	1.7879912	2	0.2		
DMRX:156744001	X	156744001	156745000	1000	1	5.01E-06	1.1861721	9	0.9		
DMRX:157311001	X	157311001	157312000	1000	1	2.15E-06	0.6460765	48	4.8	Atp2b3;Bgn	Transport;Receptor
DMRX:158334001	X	158334001	158336000	2000	1	7.85E-06	1.5388349	11	0.55		
DMRX:158383001	X	158383001	158384000	1000	1	3.66E-06	0.8929071	5	0.5	Fam122b	