

**Supplemental Table S2**  
**Site Table COM 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	2.21E-07	1.3104595	4	0.4		
DMR1:2557001	1	2557001	2559000	2000	1	1.12E-06	0.9464966	9	0.45	Ust	Metabolism
DMR1:2724001	1	2724001	2725000	1000	1	6.11E-08	1.3218523	3	0.3	RF00026	
DMR1:6146001	1	6146001	6147000	1000	1	4.46E-06	1.0699889	3	0.3		
DMR1:8358001	1	8358001	8360000	2000	1	8.67E-07	1.1570909	16	0.8		
DMR1:8543001	1	8543001	8544000	1000	1	8.98E-06	1.1592611	6	0.6		
DMR1:9376001	1	9376001	9377000	1000	1	7.36E-06	0.7493911	9	0.9		
DMR1:9607001	1	9607001	9608000	1000	1	4.34E-09	1.1414622	4	0.4		
DMR1:11677001	1	11677001	11678000	1000	1	7.70E-06	1.0704934	6	0.6		
DMR1:12899001	1	12899001	12901000	2000	1	2.23E-06	1.0869415	19	0.95	AC128394.1	
DMR1:13145001	1	13145001	13147000	2000	1	6.17E-06	-1.225079	42	2.1		
DMR1:14647001	1	14647001	14648000	1000	1	7.24E-07	1.1846276	4	0.4		
DMR1:16962001	1	16962001	16965000	3000	1	5.36E-06	0.9057166	6	0.2	AABR07000533.1;RF00026	
DMR1:17716001	1	17716001	17717000	1000	1	6.35E-06	1.3398497	10	1	Ptprk	Signaling
DMR1:18085001	1	18085001	18086000	1000	1	5.15E-06	1.0088908	6	0.6	AABR07000574.1	
DMR1:19543001	1	19543001	19544000	1000	1	9.82E-06	1.3479142	5	0.5		
DMR1:19557001	1	19557001	19558000	1000	1	2.34E-06	1.0898699	5	0.5		
DMR1:20721001	1	20721001	20722000	1000	1	4.74E-06	1.1613528	10	1		
DMR1:20810001	1	20810001	20811000	1000	1	7.41E-06	1.4461184	4	0.4		
DMR1:22274001	1	22274001	22275000	1000	1	9.92E-07	0.8048928	7	0.7	Stx7	Transcription
DMR1:22736001	1	22736001	22737000	1000	1	1.08E-07	1.3890524	6	0.6	Slc18b1	
DMR1:23249001	1	23249001	23250000	1000	1	2.96E-07	1.2097636	6	0.6		
DMR1:23799001	1	23799001	23801000	2000	1	7.19E-06	1.2971327	31	1.55		
DMR1:25136001	1	25136001	25137000	1000	1	2.79E-06	1.4730658	6	0.6		
DMR1:25468001	1	25468001	25469000	1000	1	2.79E-06	0.9593001	4	0.4	Trdn	Cytoskeleton
DMR1:25614001	1	25614001	25615000	1000	1	3.39E-08	1.1044652	2	0.2	Trdn	Cytoskeleton
DMR1:26641001	1	26641001	26643000	2000	1	1.98E-06	1.1646402	10	0.5		
DMR1:29821001	1	29821001	29823000	2000	1	2.05E-06	1.1620239	14	0.7		
DMR1:32756001	1	32756001	32757000	1000	1	3.84E-06	0.7692824	4	0.4		
DMR1:33501001	1	33501001	33503000	2000	1	1.19E-06	1.1160294	12	0.6		
DMR1:33730001	1	33730001	33731000	1000	1	2.88E-07	1.4627507	1	0.1	AABR07001018.5;AABR0701018.3	
DMR1:34389001	1	34389001	34391000	2000	1	7.70E-06	1.2771147	9	0.45		
DMR1:34950001	1	34950001	34951000	1000	1	9.67E-07	1.2740484	4	0.4		
DMR1:38086001	1	38086001	38087000	1000	1	4.96E-07	-1.1452014	5	0.5		
DMR1:41278001	1	41278001	41279000	1000	1	3.27E-08	1.3785691	4	0.4	Esr1	Receptor
DMR1:41389001	1	41389001	41391000	2000	1	3.68E-07	1.0636964	24	1.2	Esr1;RF00604	Receptor
DMR1:42608001	1	42608001	42610000	2000	1	1.46E-06	1.5766673	16	0.8		
DMR1:46601001	1	46601001	46602000	1000	1	4.00E-07	1.322098	8	0.8	Zdhc14	Unknown
DMR1:48331001	1	48331001	48332000	1000	1	3.22E-06	0.8277824	0	0	Slc22a2;AC114389.1	Transport
DMR1:52730001	1	52730001	52731000	1000	1	5.81E-06	1.1899917	2	0.2		
DMR1:53344001	1	53344001	53347000	3000	1	1.06E-07	1.2241662	32	1.067		
DMR1:53670001	1	53670001	53671000	1000	1	2.42E-07	0.8702186	6	0.6		
DMR1:54244001	1	54244001	54246000	2000	1	4.11E-08	1.004611	17	0.85	AABR07001610.1	
DMR1:59446001	1	59446001	59447000	1000	1	8.59E-08	1.3607638	4	0.4		
DMR1:62269001	1	62269001	62270000	1000	1	1.49E-06	1.7434572	3	0.3		
DMR1:65355001	1	65355001	65357000	2000	1	1.79E-06	0.8896819	6	0.3		
DMR1:65946001	1	65946001	65947000	1000	1	2.94E-06	1.681858	0	0	Vom2r35;Vom2r33	
DMR1:67426001	1	67426001	67427000	1000	1	2.62E-06	1.5276715	4	0.4		
DMR1:67482001	1	67482001	67484000	2000	1	6.73E-06	1.0944937	12	0.6		
DMR1:70173001	1	70173001	70174000	1000	1	9.90E-08	1.2966545	2	0.2		
DMR1:73507001	1	73507001	73508000	1000	1	1.30E-06	1.5108467	2	0.2		
DMR1:75013001	1	75013001	75014000	1000	1	1.19E-09	1.6643092	6	0.6		
DMR1:75201001	1	75201001	75202000	1000	1	3.67E-06	-1.1606965	4	0.4	Vom1r60	Receptor
DMR1:87750001	1	87750001	87752000	2000	1	8.86E-08	1.8644429	45	2.25	Zfp84	Transcription
DMR1:91400001	1	91400001	91401000	1000	1	2.73E-06	0.7933031	15	1.5		
DMR1:91438001	1	91438001	91439000	1000	1	8.87E-07	0.9476864	11	1.1	Slc7a10;Lrp3	Transport;Receptor
DMR1:91982001	1	91982001	91983000	1000	1	2.82E-06	1.1220931	9	0.9		
DMR1:93357001	1	93357001	93358000	1000	1	5.61E-06	1.1978249	10	1		

DMR1:93757001	1	93757001	93758000	1000	1	5.00E-06	1.0964645	5	0.5		
DMR1:93958001	1	93958001	93959000	1000	1	2.10E-07	1.3880163	11	1.1	Zfp536	Transcription
DMR1:95155001	1	95155001	95156000	1000	1	3.62E-07	-1.391144	11	1.1		
DMR1:98561001	1	98561001	98563000	2000	2	2.32E-11	1.6611974	3	0.15	Siglec5	Immune
DMR1:99599001	1	99599001	99600000	1000	1	7.86E-08	1.8220255	22	2.2	Ctu1	Receptor
DMR1:99780001	1	99780001	99781000	1000	1	2.65E-06	0.9020017	6	0.6	Klk5	Protease
DMR1:100480001	1	100480001	100489000	9000	1	5.64E-08	0.8505113	83	0.922	Aspdh;Josd2;Emc10	Metabolism;Protease
DMR1:105461001	1	105461001	105463000	2000	1	3.51E-06	1.0008301	31	1.55	Nell1	Development
DMR1:108918001	1	108918001	108919000	1000	1	1.54E-06	1.0520615	1	0.1	AABR07003398.1	
DMR1:109237001	1	109237001	109238000	1000	1	2.24E-06	1.0608447	5	0.5		
DMR1:109631001	1	109631001	109632000	1000	1	8.98E-08	1.4896379	1	0.1		
DMR1:110092001	1	110092001	110094000	2000	1	2.63E-06	1.1118631	8	0.4		
DMR1:110204001	1	110204001	110205000	1000	1	2.48E-06	1.2698111	5	0.5		
DMR1:114532001	1	114532001	114533000	1000	1	2.56E-06	1.1382186	4	0.4	Herc2	Metabolism
DMR1:123429001	1	123429001	123430000	1000	1	1.05E-07	1.4621486	2	0.2		
DMR1:123763001	1	123763001	123764000	1000	1	1.71E-08	1.4503531	9	0.9		
DMR1:124701001	1	124701001	124702000	1000	1	7.57E-06	1.088205	5	0.5		
DMR1:125603001	1	125603001	125604000	1000	1	3.70E-07	1.1420916	4	0.4	Fam189a1	Unknown
DMR1:129285001	1	129285001	129286000	1000	1	2.00E-08	1.1508511	9	0.9	Fam169b	
DMR1:129692001	1	129692001	129693000	1000	1	1.61E-08	1.128379	6	0.6		
DMR1:130023001	1	130023001	130024000	1000	1	6.13E-06	1.0803799	7	0.7		
DMR1:130828001	1	130828001	130829000	1000	1	2.60E-06	1.2123415	6	0.6		
DMR1:131194001	1	131194001	131195000	1000	1	8.13E-07	1.0570231	11	1.1		
DMR1:131795001	1	131795001	131796000	1000	1	9.77E-07	1.425257	3	0.3		
DMR1:134701001	1	134701001	134703000	2000	1	8.65E-06	1.3147572	21	1.05	Rgma	
DMR1:136554001	1	136554001	136555000	1000	1	6.59E-08	1.2950049	4	0.4		
DMR1:136997001	1	136997001	136998000	1000	1	7.59E-08	1.3285515	3	0.3		
DMR1:137000001	1	137000001	137001000	1000	1	5.59E-07	1.2019605	5	0.5		
DMR1:139422001	1	139422001	139424000	2000	1	5.24E-08	1.254202	6	0.3		
DMR1:141290001	1	141290001	141291000	1000	1	4.32E-06	1.2766664	5	0.5		
DMR1:141480001	1	141480001	141481000	1000	1	7.71E-07	1.2785048	17	1.7	Plin1;Pex11a;Wdr93	Binding Protein
DMR1:141970001	1	141970001	141971000	1000	1	2.23E-07	1.2125188	4	0.4	LOC102548889	
DMR1:142778001	1	142778001	142779000	1000	1	3.07E-06	1.2255997	6	0.6		
DMR1:142954001	1	142954001	142956000	2000	1	7.26E-07	1.1238135	14	0.7	Slc28a1	Transport
DMR1:145738001	1	145738001	145741000	3000	1	1.91E-06	1.0849256	20	0.667	Tmc3	Transport
DMR1:154393001	1	154393001	154394000	1000	1	4.09E-08	1.5733651	5	0.5	Picalm	Transport
DMR1:156246001	1	156246001	156247000	1000	1	4.98E-06	1.229203	1	0.1		
DMR1:157063001	1	157063001	157064000	1000	1	4.35E-06	1.1983554	2	0.2	Dlg2	
DMR1:158328001	1	158328001	158329000	1000	1	1.44E-06	1.1953961	5	0.5		
DMR1:159213001	1	159213001	159214000	1000	1	1.38E-06	1.0177611	3	0.3		
DMR1:160612001	1	160612001	160613000	1000	1	9.60E-06	1.0889206	0	0		
DMR1:164984001	1	164984001	164987000	3000	1	5.70E-08	1.2734467	43	1.433	Rnf169	
DMR1:165034001	1	165034001	165035000	1000	1	1.23E-08	1.4553108	10	1	Chrdl2	Signaling
DMR1:169012001	1	169012001	169013000	1000	1	3.68E-06	1.1228715	6	0.6	Hbe1	Binding Protein
DMR1:184294001	1	184294001	184295000	1000	1	3.61E-06	1.7431597	5	0.5	Insc	
DMR1:184454001	1	184454001	184457000	3000	1	1.76E-06	1.1990594	23	0.767		
DMR1:196051001	1	196051001	196054000	3000	1	3.55E-07	1.1214085	22	0.733		
DMR1:196361001	1	196361001	196362000	1000	1	7.81E-06	1.3396089	11	1.1		
DMR1:197318001	1	197318001	197319000	1000	1	1.11E-06	1.2898692	18	1.8		
DMR1:200169001	1	200169001	200170000	1000	1	4.36E-06	1.028448	8	0.8	Mcmbp;Sec23ip	Golgi
DMR1:203068001	1	203068001	203070000	2000	1	8.59E-06	1.0402916	10	0.5		
DMR1:204396001	1	204396001	204397000	1000	1	7.13E-07	1.3255187	3	0.3		
DMR1:205230001	1	205230001	205231000	1000	1	1.54E-08	1.1740912	3	0.3		
DMR1:209865001	1	209865001	209867000	2000	1	2.28E-06	1.0589537	8	0.4		
DMR1:210028001	1	210028001	210029000	1000	1	4.95E-07	1.3226554	4	0.4		
DMR1:210195001	1	210195001	210197000	2000	1	2.86E-06	1.109002	14	0.7		
DMR1:210946001	1	210946001	210947000	1000	1	3.60E-06	-1.4354973	15	1.5		
DMR1:212528001	1	212528001	212530000	2000	1	4.19E-07	1.3983861	22	1.1	Caly	
DMR1:215093001	1	215093001	215094000	1000	1	9.68E-07	1.2705284	4	0.4	AABR07006049.1	
DMR1:215360001	1	215360001	215361000	1000	1	2.33E-06	1.2174321	7	0.7	AABR07006049.1;AABR07006055.1	
DMR1:215466001	1	215466001	215467000	1000	1	9.84E-06	1.1060051	3	0.3	LOC685544	
DMR1:215633001	1	215633001	215634000	1000	1	1.09E-06	1.3581793	0	0	Lsp1	Cytoskeleton

DMR1:218367001	1	218367001	218370000	3000	1	5.84E-06	1.2167941	24	0.8	Rmt1	
DMR1:221630001	1	221630001	221631000	1000	1	3.67E-06	1.0972199	6	0.6	Atg2a;Mir194-2;Mir192	
DMR1:221942001	1	221942001	221943000	1000	1	4.88E-07	1.3254567	10	1		
DMR1:227592001	1	227592001	227593000	1000	1	4.18E-06	1.627885	4	0.4	Ms4a4a	Receptor
DMR1:228771001	1	228771001	228773000	2000	1	6.76E-09	1.122896	10	0.5		
DMR1:229473001	1	229473001	229474000	1000	1	3.96E-06	0.9617895	5	0.5	Olr387	
DMR1:232223001	1	232223001	232225000	2000	1	4.68E-06	1.1662856	5	0.25		
DMR1:243738001	1	243738001	243741000	3000	1	1.32E-07	1.1264599	15	0.5		
DMR1:245752001	1	245752001	245753000	1000	1	4.67E-06	1.0998774	5	0.5		
DMR1:245814001	1	245814001	245816000	2000	1	7.06E-06	-1.5076567	14	0.7	AABR07006672.1	
DMR1:249695001	1	249695001	249696000	1000	1	1.74E-06	1.7819607	1	0.1		
DMR1:251458001	1	251458001	251459000	1000	1	4.13E-06	1.3657659	8	0.8	Pten	Signaling
DMR1:253172001	1	253172001	253173000	1000	1	3.61E-06	1.7001026	3	0.3	Pank1	Signaling
DMR1:254797001	1	254797001	254798000	1000	1	1.65E-07	1.1358345	1	0.1		
DMR1:256115001	1	256115001	256116000	1000	1	4.64E-06	0.9788303	9	0.9	Hhex	Transcription
DMR1:256535001	1	256535001	256537000	2000	1	8.86E-06	1.1075571	16	0.8		
DMR1:259696001	1	259696001	259698000	2000	1	5.53E-06	1.0289037	20	1	Tctn3	Unknown
DMR1:259903001	1	259903001	259904000	1000	1	7.02E-07	1.2386825	4	0.4		
DMR1:260073001	1	260073001	260074000	1000	1	5.71E-07	1.2531772	4	0.4	AABR07072054.1	
DMR1:260358001	1	260358001	260359000	1000	1	3.18E-07	1.0981419	5	0.5	Tll2	Protease
DMR1:260584001	1	260584001	260585000	1000	1	4.36E-06	1.2848052	1	0.1	Pik3ap1	
DMR1:261037001	1	261037001	261038000	1000	1	2.01E-07	1.3513996	11	1.1	Arhgap19	Signaling
DMR1:261626001	1	261626001	261628000	2000	1	1.31E-06	1.1599706	27	1.35	Crtac1	Signaling
DMR1:265092001	1	265092001	265094000	2000	1	2.17E-06	1.0900642	9	0.45		
DMR1:265803001	1	265803001	265805000	2000	1	7.41E-07	1.2531657	15	0.75	Ldb1;Pprc1	Transcription;Signaling
DMR1:265861001	1	265861001	265863000	2000	1	3.29E-06	1.1545008	15	0.75		
DMR1:268709001	1	268709001	268711000	2000	1	4.69E-06	1.0839067	8	0.4		
DMR1:269529001	1	269529001	269531000	2000	1	9.35E-07	1.3365334	5	0.25		
DMR1:271037001	1	271037001	271038000	1000	1	2.72E-06	1.0369607	6	0.6		
DMR1:271324001	1	271324001	271325000	1000	1	2.68E-06	1.2724425	16	1.6	Cfap58l1	
DMR1:274248001	1	274248001	274249000	1000	1	2.93E-08	1.3401225	5	0.5	Dusp5	Signaling
DMR1:275007001	1	275007001	275009000	2000	1	3.83E-07	1.3732059	4	0.2	AABR07006978.1	
DMR1:275512001	1	275512001	275514000	2000	1	1.48E-06	0.8151277	5	0.25		
DMR1:276052001	1	276052001	276053000	1000	1	6.38E-06	1.2357656	4	0.4		
DMR1:276137001	1	276137001	276138000	1000	1	5.68E-06	0.9649354	7	0.7		
DMR1:280386001	1	280386001	280387000	1000	1	3.70E-06	0.9851255	5	0.5	Kcnk18	Metabolism
DMR1:281700001	1	281700001	281701000	1000	1	1.02E-06	1.3236001	3	0.3		
DMR2:1833001	2	1833001	1834000	1000	1	5.33E-06	1.29085	2	0.2		
DMR2:2370001	2	2370001	2372000	2000	1	8.88E-07	1.3594615	14	0.7		
DMR2:5637001	2	5637001	5638000	1000	1	9.09E-06	1.0972242	2	0.2		
DMR2:6575001	2	6575001	6577000	2000	1	5.67E-07	0.961171	3	0.15		
DMR2:6718001	2	6718001	6719000	1000	1	7.23E-06	1.0867977	1	0.1		
DMR2:7298001	2	7298001	7300000	2000	1	4.69E-06	1.0129636	8	0.4		
DMR2:10059001	2	10059001	10061000	2000	1	7.59E-06	0.8981616	17	0.85		
DMR2:10572001	2	10572001	10573000	1000	1	1.93E-07	1.2417872	5	0.5		
DMR2:10759001	2	10759001	10760000	1000	1	1.41E-06	1.2521518	5	0.5		
DMR2:11316001	2	11316001	11317000	1000	1	3.06E-08	1.3487956	1	0.1		
DMR2:11393001	2	11393001	11394000	1000	1	2.31E-06	1.3084692	3	0.3	RF00026	
DMR2:11740001	2	11740001	11741000	1000	1	1.63E-06	1.1300291	4	0.4	Mef2c	Transcription
DMR2:12910001	2	12910001	12911000	1000	1	1.26E-06	1.3184318	3	0.3		
DMR2:13812001	2	13812001	13813000	1000	1	1.07E-08	1.5068609	4	0.4		
DMR2:14536001	2	14536001	14538000	2000	1	1.24E-06	1.2162865	7	0.35		
DMR2:16477001	2	16477001	16478000	1000	1	8.56E-07	1.3059921	3	0.3		
DMR2:17381001	2	17381001	17383000	2000	2	7.00E-10	1.3347633	1	0.05		
DMR2:19545001	2	19545001	19546000	1000	1	2.82E-11	1.2946519	3	0.3		
DMR2:21786001	2	21786001	21789000	3000	2	2.20E-08	0.9857657	44	1.467	Msh3	DNA Repair
DMR2:22736001	2	22736001	22738000	2000	1	7.22E-09	1.3757189	11	0.55	Cmya5;Tent2	
DMR2:24265001	2	24265001	24266000	1000	1	3.08E-07	1.683079	1	0.1		
DMR2:28068001	2	28068001	28069000	1000	1	5.76E-06	-1.3332295	18	1.8	Enc1	Cytoskeleton
DMR2:30973001	2	30973001	30974000	1000	1	6.58E-06	1.0849377	2	0.2		
DMR2:32152001	2	32152001	32154000	2000	1	4.21E-08	1.2805355	16	0.8		
DMR2:32539001	2	32539001	32540000	1000	1	9.98E-06	1.2204562	1	0.1	AABR07007878.1	
DMR2:35288001	2	35288001	35289000	1000	1	2.84E-06	1.7627154	2	0.2	Olr1264;LOC108350228	

DMR2:37727001	2	37727001	37728000	1000	1	5.99E-07	1.3178733	3	0.3		
DMR2:38803001	2	38803001	38804000	1000	1	1.26E-06	1.3658171	9	0.9		
DMR2:42761001	2	42761001	42762000	1000	1	6.39E-06	1.3619297	5	0.5		
DMR2:44778001	2	44778001	44779000	1000	1	4.77E-07	1.0858593	4	0.4	Mtrex;Dhx29	Transcription
DMR2:47942001	2	47942001	47943000	1000	1	4.03E-06	1.3651808	7	0.7		
DMR2:48018001	2	48018001	48019000	1000	1	6.72E-10	1.5150926	3	0.3		
DMR2:48771001	2	48771001	48772000	1000	1	7.81E-06	1.5549016	8	0.8		
DMR2:50245001	2	50245001	50246000	1000	1	8.95E-09	1.757775	3	0.3	Hcn1	Signaling
DMR2:50623001	2	50623001	50624000	1000	1	6.69E-06	1.5059229	9	0.9		
DMR2:50824001	2	50824001	50825000	1000	1	2.50E-06	1.8353764	4	0.4		
DMR2:50965001	2	50965001	50967000	2000	1	8.37E-06	0.9857376	4	0.2		
DMR2:51242001	2	51242001	51243000	1000	1	3.68E-06	1.0139342	6	0.6		
DMR2:55663001	2	55663001	55665000	2000	1	6.33E-07	1.5196561	19	0.95		
DMR2:55877001	2	55877001	55879000	2000	1	2.03E-06	1.2546728	8	0.4	Fyb1	
DMR2:55947001	2	55947001	55949000	2000	1	4.24E-06	1.2770053	19	0.95	Fyb1	
DMR2:56477001	2	56477001	56478000	1000	1	3.05E-06	1.0359086	10	1	Lifr	Receptor
DMR2:57038001	2	57038001	57039000	1000	1	9.09E-07	1.1856282	5	0.5	Wdr70	Unknown
DMR2:57279001	2	57279001	57280000	1000	1	1.65E-07	0.8915256	2	0.2	Cplane1	
DMR2:58654001	2	58654001	58655000	1000	1	1.26E-06	1.357812	3	0.3	AABR07008440.1	
DMR2:60000001	2	60000001	60001000	1000	1	2.74E-08	1.5850958	4	0.4	RF00100	
DMR2:60344001	2	60344001	60345000	1000	1	5.81E-07	-1.5408207	8	0.8	Agxt2	Metabolism
DMR2:63145001	2	63145001	63147000	2000	1	3.88E-06	1.2098514	8	0.4	Cdh6	Cytoskeleton
DMR2:65298001	2	65298001	65299000	1000	1	1.19E-07	1.5399799	3	0.3		
DMR2:66160001	2	66160001	66161000	1000	1	1.34E-08	1.0941984	3	0.3		
DMR2:66293001	2	66293001	66295000	2000	1	5.14E-06	1.2031097	12	0.6	AABR07008597.1	
DMR2:67021001	2	67021001	67023000	2000	1	2.19E-06	1.4463879	5	0.25	Cdh9	Extracellular Matrix
DMR2:67913001	2	67913001	67914000	1000	1	2.64E-08	1.2875739	2	0.2		
DMR2:70515001	2	70515001	70517000	2000	1	1.40E-07	1.3532636	6	0.3		
DMR2:71520001	2	71520001	71521000	1000	1	1.59E-06	1.546534	1	0.1		
DMR2:72484001	2	72484001	72486000	2000	1	5.50E-06	1.4802214	7	0.35	Cdh12	Extracellular Matrix
DMR2:77669001	2	77669001	77671000	2000	1	1.64E-06	1.3513651	15	0.75	AABR07008898.1	
DMR2:80908001	2	80908001	80911000	3000	1	6.83E-06	1.1677919	36	1.2		
DMR2:82522001	2	82522001	82524000	2000	1	6.10E-06	1.0428071	6	0.3		
DMR2:84171001	2	84171001	84173000	2000	1	3.34E-06	1.0412681	9	0.45		
DMR2:87356001	2	87356001	87357000	1000	1	1.62E-07	1.2122514	2	0.2		
DMR2:89475001	2	89475001	89476000	1000	1	9.40E-07	1.5145852	6	0.6		
DMR2:89503001	2	89503001	89504000	1000	1	5.60E-06	1.1708414	7	0.7	AABR07009224.1	
DMR2:95872001	2	95872001	95874000	2000	1	4.63E-08	1.1119999	5	0.25		
DMR2:97090001	2	97090001	97091000	1000	1	7.43E-08	1.3766449	10	1	RF00410	
DMR2:98711001	2	98711001	98712000	1000	1	1.60E-07	1.2085123	9	0.9		
DMR2:99616001	2	99616001	99617000	1000	1	7.42E-06	0.98068	7	0.7		
DMR2:100871001	2	100871001	100873000	2000	1	1.43E-08	1.2465547	3	0.15		
DMR2:101506001	2	101506001	101507000	1000	1	5.23E-07	1.1925493	6	0.6		
DMR2:105048001	2	105048001	105049000	1000	1	9.12E-07	1.1531811	3	0.3	Cpa3	Proteolysis
DMR2:106438001	2	106438001	106439000	1000	1	1.04E-06	1.2743146	3	0.3		
DMR2:107523001	2	107523001	107524000	1000	1	1.25E-06	1.3329721	1	0.1		
DMR2:110020001	2	110020001	110021000	1000	1	1.29E-07	1.1874776	10	1		
DMR2:111763001	2	111763001	111765000	2000	1	2.92E-07	1.2522657	13	0.65	Nlgn1	Signaling
DMR2:112353001	2	112353001	112354000	1000	1	9.33E-07	1.0844573	10	1	Spata16;AABR07009787.1	
DMR2:112488001	2	112488001	112490000	2000	1	6.44E-06	1.0865314	14	0.7	Spata16	
DMR2:113626001	2	113626001	113627000	1000	1	2.11E-06	1.1473682	6	0.6	Tmem212	
DMR2:118679001	2	118679001	118680000	1000	1	2.35E-07	1.2437543	5	0.5		
DMR2:119565001	2	119565001	119567000	2000	1	2.62E-06	1.2500599	8	0.4	AABR07009984.1	
DMR2:128054001	2	128054001	128055000	1000	1	5.06E-06	1.1278057	4	0.4		
DMR2:129041001	2	129041001	129042000	1000	1	1.48E-07	1.2951532	2	0.2		
DMR2:129411001	2	129411001	129412000	1000	1	8.54E-06	0.9938433	3	0.3		
DMR2:131159001	2	131159001	131161000	2000	1	3.20E-07	1.2845034	2	0.1		
DMR2:132075001	2	132075001	132076000	1000	1	2.09E-06	0.9674726	1	0.1		
DMR2:132757001	2	132757001	132758000	1000	1	4.47E-06	1.2475214	3	0.3		
DMR2:133123001	2	133123001	133124000	1000	1	4.43E-07	1.5812756	4	0.4	AABR07010358.1	
DMR2:133238001	2	133238001	133239000	1000	1	6.05E-06	0.9759404	2	0.2		
DMR2:134202001	2	134202001	134204000	2000	1	6.48E-06	0.9595489	9	0.45		
DMR2:135647001	2	135647001	135648000	1000	1	4.19E-06	1.1113151	9	0.9		

DMR2:135705001	2	135705001	135708000	3000	1	3.24E-07	1.4245518	13	0.433		
DMR2:135902001	2	135902001	135906000	4000	2	4.18E-07	2.0105397	31	0.775		
DMR2:138262001	2	138262001	138264000	2000	1	1.28E-06	1.1093578	18	0.9		
DMR2:141933001	2	141933001	141934000	1000	1	4.89E-07	1.366123	3	0.3		
DMR2:142472001	2	142472001	142473000	1000	1	4.83E-07	1.3097234	6	0.6		
DMR2:143010001	2	143010001	143012000	2000	1	9.07E-06	0.8808502	20	1		
DMR2:146454001	2	146454001	146455000	1000	1	2.11E-06	1.3083231	2	0.2		
DMR2:149756001	2	149756001	149757000	1000	1	3.16E-07	1.1281965	5	0.5	RGD1559622	
DMR2:151442001	2	151442001	151443000	1000	1	6.81E-06	1.2984729	4	0.4	RF00100	
DMR2:152737001	2	152737001	152739000	2000	1	3.08E-07	1.1442792	4	0.2		
DMR2:153574001	2	153574001	153576000	2000	1	8.40E-06	1.1129856	16	0.8		
DMR2:155711001	2	155711001	155712000	1000	1	1.83E-09	1.5920322	9	0.9	Kcnab1	Transport
DMR2:158590001	2	158590001	158591000	1000	1	2.11E-06	1.0942091	6	0.6		
DMR2:160256001	2	160256001	160257000	1000	1	8.33E-06	-1.008957	14	1.4		
DMR2:168059001	2	168059001	168060000	1000	1	5.13E-06	1.1514166	4	0.4		
DMR2:170422001	2	170422001	170423000	1000	1	4.49E-06	-1.5272322	7	0.7		
DMR2:171143001	2	171143001	171144000	1000	1	5.65E-07	1.3738966	4	0.4	Bche	Metabolism
DMR2:174091001	2	174091001	174093000	2000	2	2.59E-08	1.5068566	4	0.2	Serpini1	Proteolysis
DMR2:178451001	2	178451001	178452000	1000	1	1.15E-07	1.6468961	3	0.3	Rxfp1	Receptor
DMR2:178903001	2	178903001	178905000	2000	1	7.86E-06	1.1161577	17	0.85		
DMR2:182374001	2	182374001	182376000	2000	1	2.94E-06	1.1399697	16	0.8		
DMR2:183585001	2	183585001	183587000	2000	1	9.47E-07	1.181712	16	0.8	Arfp1	Signaling
DMR2:186271001	2	186271001	186273000	2000	1	1.22E-06	1.6335063	1	0.05		
DMR2:186538001	2	186538001	186539000	1000	1	1.34E-06	1.08448	5	0.5		
DMR2:188581001	2	188581001	188583000	2000	1	2.80E-07	1.0319298	8	0.4	Dpm3;Slc50a1;Efna1	
DMR2:189199001	2	189199001	189201000	2000	1	4.21E-06	1.2335462	14	0.7	She;Il6r	Receptor
DMR2:189880001	2	189880001	189882000	2000	1	5.14E-07	0.9390832	59	2.95	Ilf2;Snapin;Chtop	Transcription;Epigenetic
DMR2:192778001	2	192778001	192780000	2000	1	1.24E-07	1.3043841	7	0.35	Smcp	
DMR2:201499001	2	201499001	201500000	1000	1	3.70E-06	1.2588378	3	0.3		
DMR2:202659001	2	202659001	202662000	3000	1	2.29E-06	1.2815774	6	0.2	AABR07012702.1	
DMR2:205073001	2	205073001	205074000	1000	1	6.26E-07	1.1590414	1	0.1		
DMR2:208024001	2	208024001	208025000	1000	1	1.82E-07	1.3487106	5	0.5	Kcnd3	Transport
DMR2:208250001	2	208250001	208251000	1000	1	6.75E-06	1.4501561	6	0.6		
DMR2:210493001	2	210493001	210495000	2000	1	8.49E-07	1.0973226	12	0.6		
DMR2:212820001	2	212820001	212821000	1000	1	1.23E-06	1.076105	5	0.5	Ntng1	Development
DMR2:214101001	2	214101001	214102000	1000	1	1.46E-06	1.3788513	17	1.7		
DMR2:214502001	2	214502001	214503000	1000	1	3.00E-06	1.1608688	5	0.5		
DMR2:214519001	2	214519001	214520000	1000	1	3.91E-06	1.2832152	4	0.4		
DMR2:219875001	2	219875001	219876000	1000	1	1.65E-08	1.376972	2	0.2		
DMR2:221363001	2	221363001	221364000	1000	1	7.44E-07	1.3204029	1	0.1		
DMR2:221465001	2	221465001	221466000	1000	1	3.46E-06	1.4533921	2	0.2		
DMR2:223840001	2	223840001	223842000	2000	1	9.66E-06	1.0361166	12	0.6		
DMR2:227208001	2	227208001	227209000	1000	1	7.40E-07	1.1689533	3	0.3	Myoz2	Unknown
DMR2:228952001	2	228952001	228953000	1000	1	1.90E-06	1.3748229	5	0.5		
DMR2:228975001	2	228975001	228976000	1000	1	7.50E-06	1.09651	12	1.2		
DMR2:232118001	2	232118001	232120000	2000	1	7.88E-07	1.2406532	12	0.6	Alpk1;Tifa	Signaling;Apoptosis
DMR2:235527001	2	235527001	235528000	1000	1	2.69E-07	-1.8966894	11	1.1		
DMR2:236828001	2	236828001	236829000	1000	1	2.29E-06	1.0452452	12	1.2	AABR07013425.1	
DMR2:240521001	2	240521001	240523000	2000	1	3.00E-06	0.8878957	27	1.35	Slc9b2;Slc9b1	
DMR2:240732001	2	240732001	240734000	2000	1	5.16E-06	0.8924151	17	0.85	Manba	Golgi
DMR2:241036001	2	241036001	241037000	1000	1	2.17E-10	1.5881326	6	0.6	Slc39a8	Transport
DMR2:242209001	2	242209001	242210000	1000	1	2.83E-06	1.1368573	0	0		
DMR2:243226001	2	243226001	243227000	1000	1	4.22E-08	1.1058405	5	0.5	Dapp1	Signaling
DMR2:244233001	2	244233001	244234000	1000	1	2.91E-07	1.1253335	4	0.4	Tspan5	Cytoskeleton
DMR2:245629001	2	245629001	245631000	2000	1	6.33E-09	1.4965317	10	0.5		
DMR2:246131001	2	246131001	246132000	1000	1	1.32E-06	1.2079636	5	0.5		
DMR2:246577001	2	246577001	246581000	4000	2	1.81E-09	1.6778744	21	0.525		
DMR2:246680001	2	246680001	246681000	1000	1	5.73E-06	1.2314528	6	0.6		
DMR2:253263001	2	253263001	253264000	1000	1	3.94E-07	1.0358717	3	0.3		
DMR2:255935001	2	255935001	255936000	1000	1	6.16E-06	1.1174922	2	0.2		
DMR2:256337001	2	256337001	256339000	2000	1	1.46E-06	1.3599329	14	0.7		
DMR2:256583001	2	256583001	256585000	2000	1	5.05E-07	1.1015029	13	0.65		
DMR2:256646001	2	256646001	256647000	1000	1	6.69E-06	0.9473166	5	0.5	Adgrl4	

DMR2:258217001	2	258217001	258218000	1000	1	2.07E-06	0.7606119	6	0.6		
DMR2:258281001	2	258281001	258282000	1000	1	1.06E-07	1.1492052	4	0.4		
DMR2:258716001	2	258716001	258717000	1000	1	4.89E-06	1.0238988	11	1.1		
DMR2:259146001	2	259146001	259148000	2000	1	8.48E-06	1.0284235	18	0.9	AABR07013843.1	
DMR2:261778001	2	261778001	261779000	1000	1	7.51E-06	1.1269606	8	0.8		
DMR2:262013001	2	262013001	262015000	2000	1	2.53E-07	1.6547057	6	0.3		
DMR2:262753001	2	262753001	262755000	2000	1	6.19E-09	1.4400835	15	0.75		
DMR2:262837001	2	262837001	262838000	1000	1	1.68E-09	1.5241115	3	0.3		
DMR2:263047001	2	263047001	263048000	1000	1	2.34E-07	0.87745	14	1.4	Negr1	Growth Factors & Cytokines
DMR2:263125001	2	263125001	263126000	1000	1	1.07E-09	1.4830676	8	0.8	Negr1	Growth Factors & Cytokines
DMR2:263272001	2	263272001	263274000	2000	1	4.13E-07	1.7576398	12	0.6	Negr1	Growth Factors & Cytokines
DMR2:263740001	2	263740001	263742000	2000	1	4.33E-06	1.1458147	7	0.35		
DMR2:264012001	2	264012001	264013000	1000	1	7.69E-06	1.0531609	1	0.1		
DMR3:2418001	3	2418001	2420000	2000	2	1.26E-10	1.3086515	13	0.65	Tor4a;Nelfb;RF00026	
DMR3:3900001	3	3900001	3902000	2000	1	3.07E-06	-1.2450227	26	1.3	Sec16a;Notch1	Golgi;Signaling
DMR3:4114001	3	4114001	4116000	2000	2	3.54E-09	1.338464	37	1.85	AABR07051251.1	
DMR3:6028001	3	6028001	6029000	1000	1	5.75E-06	1.2486312	12	1.2	Brd3	Transcription
DMR3:8697001	3	8697001	8698000	1000	1	3.50E-08	1.1929485	4	0.4	Zer1;Tbc1d13	Signaling
DMR3:9494001	3	9494001	9495000	1000	1	3.93E-06	1.0203686	5	0.5	AC142138.2	
DMR3:9995001	3	9995001	9997000	2000	1	6.22E-07	1.4554454	24	1.2	Fibcd1	Cytoskeleton
DMR3:10302001	3	10302001	10304000	2000	2	5.80E-07	1.2264055	10	0.5	AABR07072853.3	
DMR3:14061001	3	14061001	14062000	1000	1	1.18E-06	0.9959393	10	1	C5	Immune
DMR3:23262001	3	23262001	23263000	1000	1	1.35E-06	1.5319275	1	0.1	Olfml2a	Receptor
DMR3:25091001	3	25091001	25093000	2000	1	2.90E-06	1.0828663	9	0.45		
DMR3:28064001	3	28064001	28069000	5000	1	8.89E-07	1.1938028	37	0.74		
DMR3:29655001	3	29655001	29657000	2000	1	6.52E-06	1.3378185	12	0.6	Gtdc1	Metabolism
DMR3:29961001	3	29961001	29962000	1000	1	3.98E-06	1.2347268	11	1.1	Zeb2	Transcription
DMR3:31225001	3	31225001	31226000	1000	1	8.45E-06	1.1185121	4	0.4		
DMR3:35005001	3	35005001	35006000	1000	1	4.72E-06	-1.1583979	13	1.3	Kif5c	Cytoskeleton
DMR3:35308001	3	35308001	35310000	2000	1	1.72E-06	-1.4996476	34	1.7	Lypd6b	
DMR3:35601001	3	35601001	35602000	1000	1	3.62E-06	1.0071081	5	0.5		
DMR3:39289001	3	39289001	39291000	2000	1	1.76E-06	0.9980829	7	0.35		
DMR3:39964001	3	39964001	39965000	1000	1	2.92E-06	1.0709793	7	0.7		
DMR3:47012001	3	47012001	47013000	1000	1	1.31E-06	1.5545729	13	1.3	Rbms1	Transcription
DMR3:47573001	3	47573001	47575000	2000	1	3.11E-07	1.2837844	12	0.6	AABR07052324.1;Psmid14	Protease
DMR3:50195001	3	50195001	50196000	1000	1	5.58E-08	1.0121905	4	0.4		
DMR3:51026001	3	51026001	51028000	2000	1	6.49E-06	1.0118502	10	0.5	Grb14;RF00015	Receptor
DMR3:52631001	3	52631001	52632000	1000	1	1.87E-06	1.3976268	4	0.4	Scn9a	Transport
DMR3:56191001	3	56191001	56192000	1000	1	3.87E-07	1.0207331	4	0.4	Ubr3	Metabolism
DMR3:56335001	3	56335001	56337000	2000	1	1.39E-08	1.3619593	12	0.6		
DMR3:56641001	3	56641001	56642000	1000	1	9.40E-08	1.2985614	4	0.4		
DMR3:56726001	3	56726001	56727000	1000	1	7.73E-08	1.1740944	3	0.3		
DMR3:56830001	3	56830001	56831000	1000	1	1.37E-06	1.2806126	7	0.7	Erich2	
DMR3:59186001	3	59186001	59189000	3000	1	9.55E-09	1.1967089	27	0.9		
DMR3:65271001	3	65271001	65272000	1000	1	4.33E-06	1.0148314	7	0.7		
DMR3:65588001	3	65588001	65590000	2000	1	6.13E-06	1.1376213	11	0.55		
DMR3:69288001	3	69288001	69289000	1000	1	7.16E-06	0.8482355	3	0.3		
DMR3:73165001	3	73165001	73167000	2000	1	4.24E-06	1.5243403	2	0.1	Olr458	
DMR3:76972001	3	76972001	76973000	1000	1	4.37E-06	1.2641716	3	0.3	AC105624.1	
DMR3:77496001	3	77496001	77497000	1000	1	5.14E-10	1.653918	0	0	Olr662	
DMR3:82396001	3	82396001	82397000	1000	1	8.18E-10	1.4404113	4	0.4		
DMR3:83528001	3	83528001	83529000	1000	1	2.40E-06	1.1690698	3	0.3		
DMR3:84006001	3	84006001	84007000	1000	1	8.44E-06	1.1740479	6	0.6		
DMR3:85298001	3	85298001	85299000	1000	1	3.04E-06	1.1505405	2	0.2		
DMR3:85897001	3	85897001	85898000	1000	1	6.52E-06	1.160746	6	0.6	Lrrc4c	Extracellular Matrix
DMR3:86043001	3	86043001	86044000	1000	1	9.45E-07	1.1094046	3	0.3	Lrrc4c	Extracellular Matrix
DMR3:89161001	3	89161001	89163000	2000	1	2.63E-06	0.8437722	4	0.2		
DMR3:89370001	3	89370001	89371000	1000	1	4.21E-07	1.2379754	3	0.3		
DMR3:91417001	3	91417001	91418000	1000	1	5.35E-06	-1.1913792	9	0.9		

DMR3:92370001	3	92370001	92371000	1000	1	2.57E-06	1.3421326	3	0.3		
DMR3:100690001	3	100690001	100691000	1000	1	7.28E-07	1.396579	1	0.1		
DMR3:102584001	3	102584001	102586000	2000	1	1.80E-07	1.2411698	4	0.2	Olr754;AC121203.3	
DMR3:103225001	3	103225001	103227000	2000	1	7.59E-06	1.2768741	7	0.35	Olr784;Olr785	
DMR3:105072001	3	105072001	105073000	1000	1	2.16E-06	1.212416	5	0.5	Fmn1	Cytoskeleton
DMR3:106147001	3	106147001	106148000	1000	1	3.71E-06	1.2454942	7	0.7		
DMR3:107491001	3	107491001	107492000	1000	1	1.56E-06	1.0076441	7	0.7		
DMR3:109402001	3	109402001	109403000	1000	1	3.45E-06	1.1381877	3	0.3	AABR07053480.1	
DMR3:113299001	3	113299001	113301000	2000	1	8.22E-07	1.1361403	13	0.65	Mfap1a;AC116071.1	Extracellular Matrix
DMR3:114132001	3	114132001	114134000	2000	1	6.63E-08	1.4002382	12	0.6	Trim69;Terb2	
DMR3:114336001	3	114336001	114337000	1000	1	2.39E-06	0.9477056	5	0.5		
DMR3:116153001	3	116153001	116154000	1000	1	5.86E-08	1.6187094	7	0.7		
DMR3:116364001	3	116364001	116367000	3000	1	9.41E-07	0.9978026	20	0.667		
DMR3:118150001	3	118150001	118151000	1000	1	6.22E-06	1.0572492	2	0.2	Galk2	Signaling
DMR3:118384001	3	118384001	118385000	1000	1	8.63E-06	1.0696538	5	0.5	Fam227b	
DMR3:119822001	3	119822001	119824000	2000	1	1.71E-06	1.3112592	22	1.1		
DMR3:119847001	3	119847001	119848000	1000	1	9.86E-08	1.1241785	5	0.5		
DMR3:121320001	3	121320001	121321000	1000	1	3.12E-06	1.3364475	5	0.5	Mertk;RF00402	Signaling
DMR3:121428001	3	121428001	121429000	1000	1	7.50E-06	1.0932227	6	0.6	Fbln7	
DMR3:122222001	3	122222001	122223000	1000	1	8.37E-06	1.3481136	11	1.1		
DMR3:123667001	3	123667001	123668000	1000	1	4.50E-06	1.2458991	0	0	Hspa12b	Signaling
DMR3:125309001	3	125309001	125312000	3000	1	6.36E-06	1.084059	23	0.767	Shld1	
DMR3:126133001	3	126133001	126135000	2000	1	7.05E-07	1.0385995	9	0.45		
DMR3:128104001	3	128104001	128105000	1000	1	2.18E-07	2.3517733	9	0.9		
DMR3:134650001	3	134650001	134652000	2000	1	5.00E-07	1.0190379	2	0.1		
DMR3:136440001	3	136440001	136441000	1000	1	5.50E-08	1.1754344	1	0.1		
DMR3:137674001	3	137674001	137675000	1000	1	1.10E-10	1.533591	4	0.4	Pcsk2	Proteolysis
DMR3:138886001	3	138886001	138887000	1000	1	5.08E-06	1.0572707	9	0.9	Dtd1	Transcription
DMR3:141711001	3	141711001	141712000	1000	1	3.64E-06	1.3742447	4	0.4		
DMR3:141853001	3	141853001	141854000	1000	1	1.46E-06	1.0196257	6	0.6		
DMR3:146600001	3	146600001	146602000	2000	1	6.04E-06	1.1643128	6	0.3	Pygb	Metabolism
DMR3:147099001	3	147099001	147100000	1000	1	2.11E-08	1.2547695	13	1.3	Sdcbp2;Snph	Transport
DMR3:148628001	3	148628001	148629000	1000	1	1.13E-07	1.6284396	4	0.4	Hck;RF00026;Tm9sf4	Metabolism
DMR3:148670001	3	148670001	148671000	1000	1	1.56E-06	1.2029941	13	1.3	Tm9sf4	Metabolism
DMR3:151333001	3	151333001	151334000	1000	1	3.97E-07	1.5459776	12	1.2	Mmp24	Protease
DMR3:151582001	3	151582001	151583000	1000	1	9.34E-06	-1.2061876	13	1.3	Fer1l4	
DMR3:152754001	3	152754001	152755000	1000	1	5.02E-06	-1.0912949	7	0.7	Dlgap4	Unknown
DMR3:153636001	3	153636001	153638000	2000	1	1.97E-08	1.3071395	25	1.25		
DMR3:155110001	3	155110001	155111000	1000	1	6.19E-06	1.457432	3	0.3	Slc32a1;Actr5	Metabolism;Cytoskeleton
DMR3:157284001	3	157284001	157285000	1000	1	4.06E-07	1.2784101	8	0.8		
DMR3:157628001	3	157628001	157630000	2000	1	5.10E-07	1.7649591	4	0.2	Ptprt	Receptor
DMR3:158503001	3	158503001	158505000	2000	1	2.17E-08	1.0735585	28	1.4		
DMR3:160822001	3	160822001	160824000	2000	1	2.84E-06	1.2571218	14	0.7		
DMR3:161056001	3	161056001	161058000	2000	1	6.50E-08	1.3628553	35	1.75	Eppin;Wfdc8	Signaling
DMR3:163754001	3	163754001	163755000	1000	1	4.03E-06	1.1423365	4	0.4	Stau1	Transcription
DMR3:165758001	3	165758001	165762000	4000	1	4.46E-06	0.9752701	56	1.4		
DMR3:166135001	3	166135001	166137000	2000	1	3.12E-06	-1.4680131	37	1.85		
DMR3:166220001	3	166220001	166222000	2000	2	1.71E-10	1.4486378	16	0.8		
DMR3:166481001	3	166481001	166482000	1000	1	8.41E-06	1.0592991	9	0.9		
DMR3:170012001	3	170012001	170013000	1000	1	4.19E-06	1.2293128	6	0.6		
DMR3:170572001	3	170572001	170574000	2000	1	7.59E-06	1.1230163	21	1.05		
DMR3:171910001	3	171910001	171912000	2000	1	4.06E-07	1.1810874	14	0.7	AABR07054850.1	
DMR3:173834001	3	173834001	173835000	1000	1	2.06E-06	0.9441775	3	0.3	Phactr3;AC127963.1	Signaling
DMR3:174284001	3	174284001	174285000	1000	1	4.63E-08	1.1654308	6	0.6		
DMR3:174854001	3	174854001	174855000	1000	1	9.60E-10	1.3368772	2	0.2		
DMR3:174911001	3	174911001	174912000	1000	1	5.49E-06	1.0890293	7	0.7		
DMR3:176847001	3	176847001	176848000	1000	1	7.80E-06	1.3262478	3	0.3	Rtel1	Cell Cycle
DMR3:177557001	3	177557001	177558000	1000	1	6.78E-06	0.909403	6	0.6		
DMR4:538001	4	538001	539000	1000	1	6.21E-07	1.3036689	5	0.5		
DMR4:3139001	4	3139001	3140000	1000	1	2.78E-06	1.3956165	4	0.4		
DMR4:3638001	4	3638001	3640000	2000	1	5.68E-06	0.8148141	11	0.55		
DMR4:3962001	4	3962001	3963000	1000	1	4.18E-07	1.2647699	10	1	Paxip1	
DMR4:4856001	4	4856001	4857000	1000	1	1.39E-07	1.2998997	11	1.1		

DMR4:7397001	4	7397001	7399000	2000	1	4.48E-06	1.6032055	15	0.75	Kcnh2	
DMR4:7400001	4	7400001	7401000	1000	1	1.97E-06	1.2365031	7	0.7		
DMR4:7597001	4	7597001	7598000	1000	1	6.48E-06	1.5436129	4	0.4		
DMR4:10280001	4	10280001	10281000	1000	1	1.16E-06	1.5118941	4	0.4		
DMR4:12020001	4	12020001	12021000	1000	1	9.92E-06	0.9834614	2	0.2		
DMR4:12508001	4	12508001	12509000	1000	1	5.72E-07	1.0057267	9	0.9		
DMR4:14225001	4	14225001	14227000	2000	1	5.04E-10	1.9372317	8	0.4	RGD1565355;LOC103690020	
DMR4:15055001	4	15055001	15056000	1000	1	5.33E-07	1.1851354	2	0.2		
DMR4:15594001	4	15594001	15595000	1000	1	3.81E-06	0.9806962	8	0.8		
DMR4:16066001	4	16066001	16068000	2000	1	7.06E-09	1.5787616	24	1.2	Cacna2d1	Metabolism
DMR4:17634001	4	17634001	17635000	1000	1	3.56E-06	1.0189921	7	0.7		
DMR4:17748001	4	17748001	17749000	1000	1	9.90E-07	1.2322601	9	0.9		
DMR4:19244001	4	19244001	19245000	1000	1	2.69E-07	1.3814673	0	0	Sema3d	Growth Factors & Cytokines
DMR4:19290001	4	19290001	19291000	1000	1	1.77E-08	1.3924581	6	0.6	Sema3d	Growth Factors & Cytokines
DMR4:21122001	4	21122001	21123000	1000	1	3.81E-06	1.0868783	3	0.3		
DMR4:23527001	4	23527001	23528000	1000	1	7.54E-08	1.1275378	5	0.5		
DMR4:23599001	4	23599001	23601000	2000	1	3.36E-06	-1.4848246	18	0.9		
DMR4:24576001	4	24576001	24578000	2000	1	1.80E-06	1.0976132	8	0.4		
DMR4:25898001	4	25898001	25899000	1000	1	5.95E-07	1.4711423	4	0.4	Cdk14	Cell Cycle
DMR4:26232001	4	26232001	26233000	1000	1	5.27E-07	1.132454	5	0.5	Cdk14	Cell Cycle
DMR4:27202001	4	27202001	27203000	1000	1	4.79E-06	1.1704438	6	0.6	Cyp51;Akap9	Electron Transport;Signaling
DMR4:28720001	4	28720001	28723000	3000	1	1.54E-06	1.2238524	16	0.533		
DMR4:28818001	4	28818001	28819000	1000	1	1.03E-06	1.1826524	2	0.2		
DMR4:29447001	4	29447001	29449000	2000	1	6.92E-06	1.0861531	12	0.6		
DMR4:30466001	4	30466001	30467000	1000	1	3.12E-07	1.1777498	8	0.8	Asb4	Protein Binding
DMR4:31952001	4	31952001	31954000	2000	1	2.27E-06	1.1957358	9	0.45		
DMR4:33740001	4	33740001	33744000	4000	1	2.00E-07	1.1426974	38	0.95	Asns	Metabolism
DMR4:35534001	4	35534001	35536000	2000	1	3.21E-06	1.5054346	6	0.3		
DMR4:38824001	4	38824001	38825000	1000	1	2.69E-06	0.9752643	6	0.6	Thsd7a	Extracellular Matrix
DMR4:41240001	4	41240001	41241000	1000	1	1.51E-07	1.2423558	3	0.3		
DMR4:43683001	4	43683001	43684000	1000	1	8.55E-06	1.3582088	5	0.5		
DMR4:44482001	4	44482001	44483000	1000	1	9.38E-07	1.4794086	7	0.7		
DMR4:50905001	4	50905001	50907000	2000	1	4.22E-06	0.7058573	10	0.5		
DMR4:52344001	4	52344001	52345000	1000	1	4.72E-06	1.0929283	3	0.3	Tmem229a	
DMR4:53112001	4	53112001	53113000	1000	1	3.62E-06	1.199713	6	0.6		
DMR4:53792001	4	53792001	53793000	1000	1	1.42E-06	1.1135067	6	0.6		
DMR4:53809001	4	53809001	53811000	2000	1	5.09E-06	1.1476255	3	0.15		
DMR4:54923001	4	54923001	54924000	1000	1	1.07E-06	1.1776744	5	0.5	Grm8	Receptor
DMR4:55515001	4	55515001	55517000	2000	1	6.93E-06	1.1699296	9	0.45	Zfp800	Transcription
DMR4:60612001	4	60612001	60613000	1000	1	6.54E-07	1.0269286	2	0.2	Exoc4	Transport
DMR4:62168001	4	62168001	62169000	1000	1	2.56E-06	1.1964461	2	0.2		
DMR4:68471001	4	68471001	68472000	1000	1	2.64E-06	1.5969629	3	0.3		
DMR4:69208001	4	69208001	69210000	2000	1	5.24E-06	1.2713199	11	0.55	LOC286960	Proteolysis
DMR4:70000001	4	70000001	70001000	1000	1	3.29E-06	1.2113362	10	1		
DMR4:70579001	4	70579001	70580000	1000	1	1.26E-06	1.0654274	3	0.3	AC142181.1	
DMR4:71162001	4	71162001	71164000	2000	1	1.95E-07	1.3642594	6	0.3	RF00026	
DMR4:71839001	4	71839001	71840000	1000	1	3.22E-06	1.1561209	3	0.3	Tas2r126	Receptor
DMR4:72934001	4	72934001	72935000	1000	1	8.20E-07	1.6975637	4	0.4	Tpk1	Signaling
DMR4:73376001	4	73376001	73377000	1000	1	6.44E-06	1.3179539	3	0.3		
DMR4:76666001	4	76666001	76668000	2000	1	7.61E-06	1.1832305	9	0.45	AABR07060487.1	
DMR4:77793001	4	77793001	77794000	1000	1	6.72E-06	1.2921274	1	0.1		
DMR4:78398001	4	78398001	78399000	1000	1	4.41E-08	1.2180776	9	0.9		
DMR4:78719001	4	78719001	78720000	1000	1	3.66E-06	1.1268958	5	0.5	Gpnmb	Cytoskeleton
DMR4:82501001	4	82501001	82502000	1000	1	4.68E-06	1.1387953	5	0.5		
DMR4:82635001	4	82635001	82636000	1000	1	8.03E-08	1.5745344	2	0.2	Hibadh;LOC685406	Metabolism
DMR4:86289001	4	86289001	86291000	2000	1	5.52E-06	1.128185	9	0.45	Ppp1r17	
DMR4:86602001	4	86602001	86603000	1000	1	1.37E-06	1.2200496	6	0.6	Pde1c	Metabolism
DMR4:88305001	4	88305001	88306000	1000	1	9.08E-06	0.9102198	10	1		
DMR4:93067001	4	93067001	93068000	1000	1	2.14E-07	1.4085292	6	0.6		



DMR4:98408001	4	98408001	98409000	1000	1	7.71E-06	1.4027974	6	0.6	AABR07060872.1	
DMR4:99624001	4	99624001	99626000	2000	1	2.29E-06	1.4538241	18	0.9	Reep1	Receptor
DMR4:101190001	4	101190001	101191000	1000	1	5.83E-06	1.1952342	3	0.3	Suc1g1	Metabolism
DMR4:101281001	4	101281001	101283000	2000	1	1.93E-06	1.3947833	15	0.75		
DMR4:108194001	4	108194001	108195000	1000	1	2.34E-07	1.148408	1	0.1		
DMR4:108568001	4	108568001	108569000	1000	1	2.31E-06	1.1989195	6	0.6		
DMR4:108639001	4	108639001	108640000	1000	1	4.79E-06	0.9995558	5	0.5		
DMR4:108920001	4	108920001	108921000	1000	1	9.89E-06	1.2225548	3	0.3		
DMR4:109353001	4	109353001	109355000	2000	1	9.76E-06	0.8926258	14	0.7		
DMR4:109584001	4	109584001	109586000	2000	1	2.52E-06	1.3573103	8	0.4		
DMR4:111079001	4	111079001	111080000	1000	1	3.09E-09	2.0871236	5	0.5	Lrrtm4	Receptor
DMR4:111132001	4	111132001	111133000	1000	1	9.13E-10	1.7799552	3	0.3	Lrrtm4	Receptor
DMR4:112149001	4	112149001	112150000	1000	1	5.37E-06	1.0998769	4	0.4		
DMR4:112979001	4	112979001	112980000	1000	1	3.45E-06	1.2186434	1	0.1		
DMR4:113021001	4	113021001	113022000	1000	1	1.11E-07	-1.1934386	9	0.9		
DMR4:115905001	4	115905001	115906000	1000	1	7.39E-06	1.0310409	7	0.7	Dysf	Transport
DMR4:116122001	4	116122001	116124000	2000	1	1.29E-06	1.1203995	17	0.85		
DMR4:116206001	4	116206001	116209000	3000	1	9.02E-07	1.0996374	27	0.9		
DMR4:116441001	4	116441001	116442000	1000	1	4.97E-06	1.1291202	5	0.5	Exoc6b	Transport
DMR4:118011001	4	118011001	118012000	1000	1	7.13E-07	1.302637	5	0.5	Tgfa	Growth Factors & Cytokines
DMR4:118113001	4	118113001	118114000	1000	1	4.27E-08	1.3127852	5	0.5		
DMR4:119221001	4	119221001	119222000	1000	1	6.90E-06	1.157566	11	1.1	Bmp10	Signaling
DMR4:119885001	4	119885001	119887000	2000	1	3.36E-06	1.0631088	10	0.5	H1fx;AC111943.1	Transcription
DMR4:123269001	4	123269001	123270000	1000	1	2.07E-07	1.3798925	6	0.6	RF00560	
DMR4:124770001	4	124770001	124771000	1000	1	3.60E-09	1.3633106	5	0.5	Adamts9	Proteolysis
DMR4:126365001	4	126365001	126366000	1000	1	6.43E-06	1.1538737	3	0.3		
DMR4:127402001	4	127402001	127403000	1000	1	5.29E-06	1.147214	6	0.6		
DMR4:128198001	4	128198001	128199000	1000	1	6.64E-06	1.0406874	8	0.8		
DMR4:129854001	4	129854001	129855000	1000	1	7.93E-06	1.2133409	6	0.6	Frmd4b	Signaling
DMR4:130530001	4	130530001	130532000	2000	1	1.22E-07	1.2268161	11	0.55		
DMR4:134238001	4	134238001	134239000	1000	1	1.84E-07	1.1481045	11	1.1		
DMR4:135190001	4	135190001	135191000	1000	1	8.99E-10	1.6991727	2	0.2	RF00100	
DMR4:138650001	4	138650001	138651000	1000	1	1.50E-07	1.2795546	1	0.1	Cntn4	Cytoskeleton
DMR4:142101001	4	142101001	142102000	1000	1	2.12E-06	1.5884059	8	0.8		
DMR4:142277001	4	142277001	142278000	1000	1	9.97E-06	1.3320982	2	0.2		
DMR4:143457001	4	143457001	143459000	2000	1	3.28E-06	1.3938615	13	0.65		
DMR4:146325001	4	146325001	146326000	1000	1	9.76E-06	1.0660077	5	0.5		
DMR4:154018001	4	154018001	154019000	1000	1	1.82E-07	1.1509206	7	0.7	lqsec3	Signaling
DMR4:154268001	4	154268001	154269000	1000	1	5.53E-10	1.215582	4	0.4	Mug2	Immune
DMR4:155630001	4	155630001	155631000	1000	1	1.81E-06	1.5174948	8	0.8	LOC100909595	Transport
DMR4:155670001	4	155670001	155671000	1000	1	2.43E-07	1.1773118	8	0.8	Foxj2	Transcription
DMR4:157416001	4	157416001	157418000	2000	1	2.30E-06	1.0710062	19	0.95	Cd4;AC115420.1;Lag3	Immune;Receptor
DMR4:161376001	4	161376001	161377000	1000	1	5.04E-06	1.4141446	1	0.1	AABR07062111.1	
DMR4:161890001	4	161890001	161891000	1000	1	1.43E-06	1.6099704	9	0.9	A2m1	
DMR4:164540001	4	164540001	164541000	1000	1	8.81E-06	1.6155929	2	0.2	Ly49s4;Ly49i4	Receptor
DMR4:165795001	4	165795001	165799000	4000	1	4.07E-07	1.1346786	24	0.6	Tas2r106	
DMR4:168539001	4	168539001	168540000	1000	1	2.65E-07	1.4626749	4	0.4		
DMR4:169765001	4	169765001	169767000	2000	1	4.66E-06	1.270554	20	1	Grin2b	Receptor
DMR4:170060001	4	170060001	170062000	2000	1	5.39E-06	1.1127919	10	0.5		
DMR4:170879001	4	170879001	170880000	1000	1	6.94E-06	-1.2165538	18	1.8		
DMR4:172140001	4	172140001	172141000	1000	1	2.36E-07	1.1700453	4	0.4	Mgst1	Metabolism
DMR4:172509001	4	172509001	172511000	2000	1	2.90E-06	1.3186601	16	0.8		
DMR4:173671001	4	173671001	173673000	2000	1	4.23E-08	1.3073389	20	1		
DMR4:175312001	4	175312001	175315000	3000	1	2.50E-09	1.456285	19	0.633		
DMR4:176451001	4	176451001	176452000	1000	1	3.55E-09	1.512219	1	0.1	Slco1a2;RF00100	Transport
DMR4:176637001	4	176637001	176638000	1000	1	7.07E-10	1.3654685	2	0.2	Spx;Gys2	Metabolism
DMR4:176897001	4	176897001	176898000	1000	1	4.60E-07	1.1605993	6	0.6	Abcc9	Receptor
DMR4:177558001	4	177558001	177560000	2000	1	6.57E-07	1.1318858	24	1.2		
DMR4:177752001	4	177752001	177754000	2000	1	6.16E-06	1.031371	11	0.55		
DMR4:179051001	4	179051001	179052000	1000	1	4.56E-07	1.4047241	5	0.5	RF00560	
DMR4:179134001	4	179134001	179135000	1000	1	7.21E-06	1.0971412	10	1	AABR07062477.1	

DMR4:180600001	4	180600001	180601000	1000	1	5.03E-06	0.8892722	4	0.4	Itpr2	Receptor
DMR4:181530001	4	181530001	181531000	1000	1	8.42E-06	0.9483301	4	0.4	AABR07062535.2	
DMR5:130001	5	130001	131000	1000	1	6.59E-07	1.3619985	3	0.3		
DMR5:869001	5	869001	870000	1000	1	3.30E-06	1.1597721	3	0.3		
DMR5:2822001	5	2822001	2823000	1000	1	9.45E-08	1.2370738	8	0.8	Sbspon;RF00100	
DMR5:4014001	5	4014001	4016000	2000	1	1.75E-06	0.6767814	4	0.2		
DMR5:4806001	5	4806001	4810000	4000	1	7.63E-07	1.1361861	35	0.875	Rbpjl2	
DMR5:4930001	5	4930001	4931000	1000	1	5.83E-06	1.0316485	1	0.1	AC127076.1	
DMR5:6889001	5	6889001	6890000	1000	1	8.23E-09	1.9910674	1	0.1		
DMR5:7824001	5	7824001	7825000	1000	1	1.01E-06	1.4579922	3	0.3	Prex2	Signaling
DMR5:10018001	5	10018001	10019000	1000	1	1.67E-06	1.2600179	3	0.3		
DMR5:10169001	5	10169001	10170000	1000	1	1.75E-08	1.1859005	5	0.5	Sntg1	Development
DMR5:10380001	5	10380001	10381000	1000	1	3.36E-06	1.5470715	4	0.4	Sntg1	Development
DMR5:14413001	5	14413001	14414000	1000	1	1.38E-06	1.4836088	10	1	Rgs20	Signaling
DMR5:14476001	5	14476001	14477000	1000	1	2.34E-06	1.2619775	8	0.8	Rgs20	Signaling
DMR5:15704001	5	15704001	15706000	2000	1	2.84E-06	1.2137458	7	0.35		
DMR5:16714001	5	16714001	16716000	2000	2	2.31E-08	1.2330371	15	0.75	Rps20;RF01277	Translation
DMR5:16907001	5	16907001	16908000	1000	1	4.89E-06	1.0814801	7	0.7	Sdr16c5	Metabolism
DMR5:17716001	5	17716001	17718000	2000	1	2.76E-07	1.2587517	14	0.7		
DMR5:21517001	5	21517001	21519000	2000	1	7.24E-07	1.248512	23	1.15		
DMR5:22790001	5	22790001	22792000	2000	1	2.12E-06	1.0105746	17	0.85	Asph	
DMR5:24912001	5	24912001	24913000	1000	1	6.33E-09	1.4814966	6	0.6	RGD1559441	Extracellular Matrix
DMR5:26332001	5	26332001	26333000	1000	1	6.79E-08	1.1872888	17	1.7		
DMR5:27545001	5	27545001	27547000	2000	1	2.27E-06	1.1482743	8	0.4		
DMR5:29687001	5	29687001	29688000	1000	1	3.90E-06	1.0293428	8	0.8	Osgin2	Development
DMR5:31316001	5	31316001	31317000	1000	1	1.20E-07	1.2012811	1	0.1	RF00026	
DMR5:34586001	5	34586001	34588000	2000	1	1.82E-07	1.4424867	11	0.55	Nkain3	Transport
DMR5:37296001	5	37296001	37297000	1000	1	9.60E-06	1.3323542	3	0.3		
DMR5:37513001	5	37513001	37514000	1000	1	6.06E-06	1.1715081	2	0.2		
DMR5:43009001	5	43009001	43010000	1000	1	2.70E-07	1.1702667	2	0.2		
DMR5:43375001	5	43375001	43376000	1000	1	1.05E-06	1.1666371	8	0.8		
DMR5:43772001	5	43772001	43773000	1000	1	1.34E-06	1.2167174	4	0.4		
DMR5:44044001	5	44044001	44045000	1000	1	7.85E-06	0.9956012	6	0.6		
DMR5:46763001	5	46763001	46764000	1000	1	5.44E-07	1.225075	1	0.1	AABR07047771.1	
DMR5:47303001	5	47303001	47304000	1000	1	6.03E-06	1.1943901	5	0.5		
DMR5:47419001	5	47419001	47420000	1000	1	1.34E-06	1.0013191	16	1.6		
DMR5:50407001	5	50407001	50408000	1000	1	4.08E-06	1.2758661	21	2.1		
DMR5:52017001	5	52017001	52018000	1000	1	8.62E-09	1.2799783	6	0.6		
DMR5:52131001	5	52131001	52133000	2000	1	4.16E-06	1.0407391	9	0.45		
DMR5:54624001	5	54624001	54626000	2000	1	3.06E-07	1.4078435	9	0.45		
DMR5:55662001	5	55662001	55663000	1000	1	3.68E-08	1.7290978	5	0.5		
DMR5:57391001	5	57391001	57392000	1000	1	1.10E-06	1.3639725	8	0.8		
DMR5:57811001	5	57811001	57812000	1000	1	3.15E-07	1.0992123	7	0.7	Kif24	Cytoskeleton
DMR5:60342001	5	60342001	60344000	2000	1	2.37E-06	1.2336536	14	0.7	Zcchc7	Transcription
DMR5:60519001	5	60519001	60520000	1000	1	2.38E-06	1.1619538	7	0.7	AABR07048075.1;AABR07048075.2;Grhpr	
DMR5:61567001	5	61567001	61568000	1000	1	3.13E-06	1.3776074	5	0.5	Tdrd7	Transcription
DMR5:62670001	5	62670001	62672000	2000	1	4.85E-08	1.4011989	28	1.4	Anks6	
DMR5:63294001	5	63294001	63296000	2000	1	1.81E-06	1.2307543	11	0.55		
DMR5:64704001	5	64704001	64705000	1000	1	1.26E-06	1.2953813	5	0.5	Acnat2;Acnat1	
DMR5:65587001	5	65587001	65588000	1000	1	6.84E-06	1.1377307	7	0.7		
DMR5:66049001	5	66049001	66052000	3000	1	4.28E-08	1.1081155	10	0.333		
DMR5:68312001	5	68312001	68313000	1000	1	3.07E-06	1.0062586	7	0.7		
DMR5:71413001	5	71413001	71414000	1000	1	6.24E-06	1.4017278	1	0.1	RF00100	
DMR5:72857001	5	72857001	72858000	1000	1	7.07E-06	1.231376	3	0.3		
DMR5:74621001	5	74621001	74622000	1000	1	5.03E-06	1.3393092	13	1.3		
DMR5:80681001	5	80681001	80682000	1000	1	1.39E-06	1.0294803	1	0.1		
DMR5:80779001	5	80779001	80780000	1000	1	8.68E-06	1.2091331	2	0.2		
DMR5:81908001	5	81908001	81909000	1000	1	6.75E-06	1.1838212	2	0.2	Astn2	Unknown
DMR5:85421001	5	85421001	85422000	1000	1	9.37E-09	1.1753204	3	0.3		
DMR5:85931001	5	85931001	85932000	1000	1	6.20E-06	1.2532157	3	0.3		
DMR5:86797001	5	86797001	86802000	5000	1	4.34E-07	0.7019509	12	0.24		
DMR5:86895001	5	86895001	86896000	1000	1	8.04E-07	1.122872	1	0.1		

DMR5:87662001	5	87662001	87665000	3000	1	2.04E-06	1.384743	10	0.333		
DMR5:88641001	5	88641001	88642000	1000	1	2.34E-07	1.5831183	2	0.2		
DMR5:89161001	5	89161001	89162000	1000	1	1.06E-07	1.5079727	1	0.1		
DMR5:91585001	5	91585001	91586000	1000	1	3.78E-07	1.0561222	2	0.2		
DMR5:95636001	5	95636001	95637000	1000	1	3.28E-07	1.2322102	9	0.9		
DMR5:96139001	5	96139001	96141000	2000	1	3.73E-07	1.2542781	3	0.15		
DMR5:99171001	5	99171001	99173000	2000	1	2.43E-06	1.0979203	7	0.35	RGD1306186	EST
DMR5:100889001	5	100889001	100890000	1000	1	1.78E-07	1.4408799	3	0.3	AABR07049035.1	
DMR5:105514001	5	105514001	105515000	1000	1	7.00E-06	1.6078636	9	0.9	Slc24a2	Transport
DMR5:105872001	5	105872001	105873000	1000	1	5.40E-06	1.014435	3	0.3		
DMR5:106465001	5	106465001	106466000	1000	1	2.02E-06	1.4248852	7	0.7	Focad	
DMR5:106473001	5	106473001	106474000	1000	1	1.78E-06	1.2700445	5	0.5	Focad	
DMR5:107241001	5	107241001	107242000	1000	1	3.08E-08	1.6611039	3	0.3	Ifne	Signaling
DMR5:109706001	5	109706001	109707000	1000	1	1.03E-06	1.5419434	0	0		
DMR5:111164001	5	111164001	111166000	2000	1	3.13E-06	1.0157417	3	0.15		
DMR5:116004001	5	116004001	116006000	2000	1	4.90E-07	1.1854326	5	0.25		
DMR5:116614001	5	116614001	116616000	2000	1	9.47E-07	1.2157772	28	1.4	Nfia	Transcription
DMR5:119433001	5	119433001	119434000	1000	1	5.59E-06	1.1367618	8	0.8		
DMR5:122168001	5	122168001	122169000	1000	1	5.41E-07	1.1795038	6	0.6		
DMR5:122367001	5	122367001	122368000	1000	1	1.53E-07	1.1650326	6	0.6		
DMR5:123244001	5	123244001	123245000	1000	1	4.92E-07	1.2445658	6	0.6		
DMR5:124549001	5	124549001	124550000	1000	1	5.35E-06	1.0251004	12	1.2	AABR07049499.1	
DMR5:127901001	5	127901001	127902000	1000	1	2.80E-06	1.002851	9	0.9		
DMR5:128860001	5	128860001	128862000	2000	1	5.71E-06	1.2416009	11	0.55	Calr4	
DMR5:130711001	5	130711001	130712000	1000	1	3.44E-06	1.110315	3	0.3		
DMR5:135308001	5	135308001	135309000	1000	1	3.82E-07	1.4402267	5	0.5		
DMR5:135343001	5	135343001	135344000	1000	1	5.02E-07	1.3435174	10	1	RF00026;Ipp	Signaling
DMR5:138699001	5	138699001	138702000	3000	1	2.98E-07	1.3801632	21	0.7	Guca2b	Signaling
DMR5:138887001	5	138887001	138888000	1000	1	3.58E-06	1.1410743	11	1.1		
DMR5:141617001	5	141617001	141618000	1000	1	4.35E-08	1.1649762	6	0.6		
DMR5:144653001	5	144653001	144654000	1000	1	8.80E-06	1.3094063	13	1.3		
DMR5:148278001	5	148278001	148279000	1000	1	1.75E-06	1.0757656	6	0.6	Col16a1	Extracellular Matrix
DMR5:149745001	5	149745001	149746000	1000	1	5.18E-07	1.1702396	11	1.1		
DMR5:150614001	5	150614001	150615000	1000	1	4.88E-07	1.1754491	4	0.4	Phactr4	Signaling
DMR5:151724001	5	151724001	151726000	2000	1	2.48E-06	0.9292549	19	0.95		
DMR5:152267001	5	152267001	152270000	3000	2	5.62E-08	1.3217412	41	1.367		
DMR5:152643001	5	152643001	152645000	2000	1	1.14E-07	1.2845869	23	1.15	Pafah2	Metabolism
DMR5:154395001	5	154395001	154396000	1000	1	5.89E-06	1.297729	14	1.4	Rpl11	Translation
DMR5:155793001	5	155793001	155796000	3000	1	2.24E-09	1.2010933	21	0.7	LOC690206	Unknown
DMR5:156075001	5	156075001	156077000	2000	1	3.95E-07	1.1413689	17	0.85	Rap1gap;Alpl	Signaling;Metabolism
DMR5:156780001	5	156780001	156781000	1000	1	6.20E-06	1.0974541	5	0.5	Cda	Metabolism
DMR5:156825001	5	156825001	156826000	1000	1	6.10E-06	1.1952756	7	0.7		
DMR5:157209001	5	157209001	157210000	1000	1	3.73E-06	1.2663057	11	1.1	Pla2g2f	Metabolism
DMR5:159784001	5	159784001	159785000	1000	1	7.93E-07	0.9901689	8	0.8		
DMR5:160945001	5	160945001	160947000	2000	1	3.28E-07	1.2341555	21	1.05		
DMR5:161777001	5	161777001	161778000	1000	1	3.26E-07	0.8738723	1	0.1	Prdm2	Transcription
DMR5:165582001	5	165582001	165585000	3000	1	7.64E-08	1.0854604	39	1.3		
DMR5:166660001	5	166660001	166662000	2000	1	7.29E-07	1.0541995	11	0.55		
DMR5:167831001	5	167831001	167832000	1000	1	2.42E-06	1.1455173	15	1.5		
DMR5:169882001	5	169882001	169884000	2000	1	6.90E-07	1.2704941	9	0.45		
DMR5:169960001	5	169960001	169961000	1000	1	4.95E-06	0.9249999	5	0.5		
DMR5:170777001	5	170777001	170778000	1000	1	1.50E-06	1.4725432	13	1.3	AABR07050600.1	
DMR5:170814001	5	170814001	170817000	3000	1	6.47E-06	0.9987526	38	1.267		
DMR5:171757001	5	171757001	171761000	4000	1	3.64E-08	1.1099102	53	1.325		
DMR5:171891001	5	171891001	171894000	3000	1	8.41E-07	1.1481681	36	1.2		
DMR5:172764001	5	172764001	172766000	2000	1	2.54E-07	1.1097091	25	1.25	Prkcz;AABR07050652.1	Signaling
DMR6:1067001	6	1067001	1068000	1000	1	9.14E-06	1.1494747	2	0.2		
DMR6:5122001	6	5122001	5123000	1000	1	1.93E-06	1.2296732	1	0.1		
DMR6:6712001	6	6712001	6713000	1000	1	8.85E-07	1.3437838	8	0.8	Cox7a2l	Electron Transport
DMR6:8166001	6	8166001	8167000	1000	1	1.21E-06	1.1402504	0	0	AC111831.1	
DMR6:10513001	6	10513001	10515000	2000	1	9.91E-07	1.0957995	26	1.3	Atp6v1e2	Transport
DMR6:13828001	6	13828001	13829000	1000	1	2.74E-06	1.3142302	4	0.4	AABR07062904.1	
DMR6:14925001	6	14925001	14926000	1000	1	3.20E-08	1.5995752	4	0.4	Nrxn1	Receptor

DMR6:15136001	6	15136001	15137000	1000	1	1.23E-09	1.3141799	0	0	Nrxn1	Receptor
DMR6:17480001	6	17480001	17481000	1000	1	3.96E-06	1.3096646	2	0.2		
DMR6:17981001	6	17981001	17982000	1000	1	2.63E-06	1.2767029	1	0.1		
DMR6:19709001	6	19709001	19711000	2000	2	2.04E-08	1.6561849	8	0.4		
DMR6:19896001	6	19896001	19897000	1000	1	3.16E-06	1.2358533	8	0.8		
DMR6:20748001	6	20748001	20749000	1000	1	5.46E-06	1.2285823	4	0.4		
DMR6:25517001	6	25517001	25518000	1000	1	1.90E-06	1.1639147	4	0.4	Plb1	Metabolism
DMR6:29505001	6	29505001	29506000	1000	1	6.72E-07	1.2229305	5	0.5		
DMR6:31978001	6	31978001	31979000	1000	1	7.72E-06	1.6046818	0	0		
DMR6:32048001	6	32048001	32049000	1000	1	1.88E-06	1.5020575	2	0.2		
DMR6:32202001	6	32202001	32203000	1000	1	6.03E-06	1.0692268	3	0.3		
DMR6:32573001	6	32573001	32574000	1000	1	2.91E-07	1.3427618	1	0.1	AABR07063511.2	
DMR6:33876001	6	33876001	33877000	1000	1	1.30E-08	1.4104067	13	1.3	Sdc1	Cytoskeleton
DMR6:34393001	6	34393001	34394000	1000	1	6.57E-07	1.3792496	8	0.8		
DMR6:38039001	6	38039001	38041000	2000	1	3.98E-06	1.4383847	11	0.55		
DMR6:38089001	6	38089001	38092000	3000	1	2.73E-06	1.2445056	15	0.5		
DMR6:38470001	6	38470001	38471000	1000	1	1.92E-06	0.8757829	2	0.2	Nbas	Unknown
DMR6:38882001	6	38882001	38883000	1000	1	1.29E-06	1.0647375	7	0.7		
DMR6:40684001	6	40684001	40685000	1000	1	7.20E-06	1.5550006	4	0.4		
DMR6:44886001	6	44886001	44888000	2000	1	3.01E-06	0.9501599	10	0.5		
DMR6:45814001	6	45814001	45815000	1000	1	8.54E-06	1.1376353	3	0.3		
DMR6:46560001	6	46560001	46561000	1000	1	3.11E-06	1.2751016	4	0.4		
DMR6:51779001	6	51779001	51780000	1000	1	1.89E-07	1.5876267	9	0.9		
DMR6:54008001	6	54008001	54009000	1000	1	9.98E-06	1.3015805	6	0.6	Hdac9	
DMR6:54345001	6	54345001	54347000	2000	1	8.38E-06	0.9332149	16	0.8	RF00560	
DMR6:55776001	6	55776001	55778000	2000	1	4.54E-08	1.2067383	10	0.5		
DMR6:57138001	6	57138001	57139000	1000	1	8.19E-06	0.9946979	1	0.1	Agmo	Metabolism
DMR6:57471001	6	57471001	57473000	2000	1	4.88E-07	1.1455294	12	0.6		
DMR6:58294001	6	58294001	58295000	1000	1	5.38E-09	1.2352615	3	0.3		
DMR6:59246001	6	59246001	59247000	1000	1	7.98E-06	1.2467239	5	0.5		
DMR6:62691001	6	62691001	62692000	1000	1	8.92E-07	1.258909	2	0.2		
DMR6:63331001	6	63331001	63334000	3000	1	8.99E-06	0.8536576	6	0.2		
DMR6:64005001	6	64005001	64007000	2000	1	6.92E-06	1.1796715	7	0.35		
DMR6:65119001	6	65119001	65121000	2000	1	1.34E-07	1.4398949	11	0.55	Stxbp6	Receptor
DMR6:69798001	6	69798001	69799000	1000	1	5.73E-06	1.0999684	3	0.3		
DMR6:73197001	6	73197001	73198000	1000	1	2.82E-07	1.3396981	1	0.1		
DMR6:73627001	6	73627001	73628000	1000	1	2.07E-06	1.2052407	4	0.4	Akap6	Signaling
DMR6:73977001	6	73977001	73979000	2000	1	1.02E-08	1.4208027	40	2	Akap6	Signaling
DMR6:78706001	6	78706001	78708000	2000	1	6.61E-08	1.4325326	21	1.05		
DMR6:79709001	6	79709001	79710000	1000	1	1.28E-06	1.426002	6	0.6		
DMR6:81490001	6	81490001	81491000	1000	1	2.87E-10	1.4225718	2	0.2		
DMR6:82408001	6	82408001	82409000	1000	1	9.69E-06	1.0500545	4	0.4		
DMR6:84525001	6	84525001	84526000	1000	1	2.39E-06	1.2537719	4	0.4		
DMR6:87891001	6	87891001	87892000	1000	1	8.44E-07	1.3625015	2	0.2		
DMR6:90477001	6	90477001	90478000	1000	1	3.19E-06	1.1327387	6	0.6		
DMR6:91144001	6	91144001	91145000	1000	1	2.31E-06	1.1513876	4	0.4		
DMR6:91187001	6	91187001	91188000	1000	1	1.05E-06	1.3185099	3	0.3		
DMR6:91591001	6	91591001	91594000	3000	1	2.95E-06	1.0604758	33	1.1	Klhdc1;AABR07064716.1;Klhdc2	
DMR6:94691001	6	94691001	94693000	2000	1	8.96E-06	1.34412	15	0.75	Daam1	Cytoskeleton
DMR6:96661001	6	96661001	96663000	2000	1	6.11E-06	1.1591923	13	0.65	Prkch	Binding Protein
DMR6:97019001	6	97019001	97021000	2000	1	3.73E-06	1.4782809	25	1.25		
DMR6:99976001	6	99976001	99978000	2000	1	2.02E-07	1.271559	9	0.45	Fntb;Max	Metabolism;Transcription
DMR6:100322001	6	100322001	100323000	1000	1	7.71E-06	1.0753831	7	0.7		
DMR6:104805001	6	104805001	104808000	3000	1	7.65E-06	0.988313	33	1.1	Smoc1	Receptor
DMR6:107980001	6	107980001	107985000	5000	2	6.17E-08	1.2049073	47	0.94		
DMR6:108540001	6	108540001	108543000	3000	1	1.51E-07	1.4824983	18	0.6	Ltbp2	Receptor
DMR6:108587001	6	108587001	108588000	1000	1	2.45E-06	1.1036286	1	0.1	Ltbp2	Receptor
DMR6:110508001	6	110508001	110509000	1000	1	4.61E-06	1.3369743	2	0.2	AABR07065115.1	
DMR6:111067001	6	111067001	111068000	1000	1	3.06E-06	1.2132517	9	0.9	Tmem63c	
DMR6:112664001	6	112664001	112665000	1000	1	8.94E-06	1.3007019	4	0.4	Nrxn3	Receptor
DMR6:113243001	6	113243001	113245000	2000	2	1.70E-09	1.2514961	9	0.45	Nrxn3	Receptor
DMR6:116297001	6	116297001	116298000	1000	1	2.03E-06	1.0802971	2	0.2		

DMR6:116713001	6	116713001	116715000	2000	1	2.44E-06	1.2122983	10	0.5		
DMR6:121785001	6	121785001	121787000	2000	1	7.54E-08	1.1382546	12	0.6		
DMR6:122711001	6	122711001	122712000	1000	1	4.94E-06	1.3012974	7	0.7	Ptpn21	Signaling
DMR6:122854001	6	122854001	122855000	1000	1	1.29E-06	0.9057925	3	0.3	Emi5	Cytoskeleton
DMR6:122913001	6	122913001	122914000	1000	1	5.89E-06	1.1229462	3	0.3	Ttc8	Metabolism
DMR6:123495001	6	123495001	123497000	2000	1	3.90E-06	1.1049893	24	1.2	Foxn3	
DMR6:126928001	6	126928001	126934000	6000	1	9.47E-06	0.7790978	50	0.833	Unc79	
DMR6:127233001	6	127233001	127234000	1000	1	5.99E-06	0.9358931	10	1	Asb2	Transcription
DMR6:127815001	6	127815001	127816000	1000	1	2.57E-06	1.0452787	4	0.4	Serpina3m	Proteolysis
DMR6:128002001	6	128002001	128003000	1000	1	4.26E-06	1.1282194	5	0.5	LOC299282;Serpina3c	Proteolysis
DMR6:128327001	6	128327001	128328000	1000	1	2.78E-06	1.16266	2	0.2		
DMR6:130038001	6	130038001	130039000	1000	1	1.14E-06	1.1048684	8	0.8	RF00560	
DMR6:132008001	6	132008001	132010000	2000	2	1.56E-08	1.4432367	9	0.45		
DMR6:132288001	6	132288001	132289000	1000	1	6.24E-06	1.5634672	13	1.3		
DMR6:133598001	6	133598001	133601000	3000	1	4.42E-06	0.7700678	10	0.333		
DMR6:134538001	6	134538001	134539000	1000	1	1.07E-07	1.1707494	4	0.4		
DMR6:135139001	6	135139001	135141000	2000	1	1.37E-07	1.0666672	19	0.95	LOC103690996	
DMR6:137561001	6	137561001	137563000	2000	1	8.34E-08	1.5255861	13	0.65		
DMR6:140942001	6	140942001	140944000	2000	1	7.87E-06	1.1801704	11	0.55	AABR07065776.1	
DMR6:140984001	6	140984001	140985000	1000	1	4.99E-06	1.1659419	5	0.5	AABR07065778.1	
DMR6:141216001	6	141216001	141217000	1000	1	2.34E-08	1.9113766	2	0.2		
DMR6:141673001	6	141673001	141674000	1000	1	3.12E-07	1.3018292	0	0		
DMR6:141905001	6	141905001	141906000	1000	1	2.29E-07	1.5831371	3	0.3		
DMR6:144448001	6	144448001	144449000	1000	1	1.03E-06	1.1522997	6	0.6	Ptprn2	Signaling
DMR6:146639001	6	146639001	146640000	1000	1	3.65E-06	1.1412819	2	0.2		
DMR7:3211001	7	3211001	3212000	1000	1	2.03E-10	1.2998036	4	0.4	Mmp19	Protease
DMR7:7125001	7	7125001	7127000	2000	1	4.89E-07	1.6140609	9	0.45		
DMR7:9582001	7	9582001	9583000	1000	1	2.17E-07	1.3016763	3	0.3	Olr1071	Receptor
DMR7:9741001	7	9741001	9742000	1000	1	2.88E-08	1.1948991	9	0.9	AABR07055767.1;LOC102549817	
DMR7:12209001	7	12209001	12211000	2000	1	3.95E-06	1.0191554	5	0.25	Plk5	Unknown
DMR7:13946001	7	13946001	13947000	1000	1	8.56E-06	1.1427999	11	1.1	Casp14	Protease
DMR7:13956001	7	13956001	13958000	2000	1	2.58E-06	1.2862493	14	0.7		
DMR7:14772001	7	14772001	14773000	1000	1	1.49E-06	1.270932	13	1.3		
DMR7:14895001	7	14895001	14897000	2000	1	5.46E-06	1.2172547	20	1	Cyp4f4	Metabolism
DMR7:18099001	7	18099001	18102000	3000	1	9.53E-07	1.3124496	11	0.367		
DMR7:18346001	7	18346001	18348000	2000	1	9.42E-06	1.1675694	12	0.6	AABR07056014.1	
DMR7:23961001	7	23961001	23962000	1000	1	2.34E-06	1.3139168	7	0.7	AC136584.1;Prdm4	Transcription
DMR7:24253001	7	24253001	24254000	1000	1	5.18E-06	1.0413283	3	0.3	Btbd11	Signaling
DMR7:25646001	7	25646001	25648000	2000	1	5.35E-07	1.1319139	12	0.6	AABR07056438.1	
DMR7:25692001	7	25692001	25693000	1000	1	4.85E-06	1.3681072	12	1.2		
DMR7:25882001	7	25882001	25883000	1000	1	9.03E-06	0.8430375	4	0.4	Rfx4	Transcription
DMR7:29743001	7	29743001	29744000	1000	1	3.20E-06	1.1406485	5	0.5		
DMR7:30138001	7	30138001	30139000	1000	1	6.59E-08	1.5498063	5	0.5	Nr1h4	Receptor
DMR7:31282001	7	31282001	31285000	3000	1	4.92E-06	1.2529839	25	0.833	Anks1b	Receptor
DMR7:35708001	7	35708001	35710000	2000	1	1.66E-06	1.1719512	8	0.4	AABR07056680.1;AABR07056678.1	
DMR7:36272001	7	36272001	36273000	1000	1	4.31E-06	0.9734978	16	1.6		
DMR7:36912001	7	36912001	36913000	1000	1	3.64E-06	1.0453486	8	0.8	AABR07056688.1	
DMR7:36999001	7	36999001	37002000	3000	1	2.35E-07	1.0525694	10	0.333		
DMR7:37591001	7	37591001	37592000	1000	1	4.89E-08	1.0732214	2	0.2		
DMR7:38735001	7	38735001	38736000	1000	1	4.01E-06	1.0892387	6	0.6	Dcn	Cytoskeleton
DMR7:44804001	7	44804001	44805000	1000	1	1.10E-06	1.0733527	4	0.4		
DMR7:45316001	7	45316001	45318000	2000	1	3.39E-06	1.0510301	7	0.35		
DMR7:50590001	7	50590001	50591000	1000	1	2.17E-06	1.106459	8	0.8	Syt1	Transport
DMR7:51638001	7	51638001	51639000	1000	1	5.49E-06	1.0381708	2	0.2		
DMR7:54628001	7	54628001	54629000	1000	1	2.81E-06	0.9866232	9	0.9		
DMR7:57396001	7	57396001	57397000	1000	1	6.89E-07	1.046385	8	0.8	Trhde	Signaling
DMR7:57836001	7	57836001	57839000	3000	1	5.63E-07	1.2116314	19	0.633		
DMR7:58101001	7	58101001	58102000	1000	1	1.11E-06	1.1720318	6	0.6	Tph2	Metabolism
DMR7:58133001	7	58133001	58134000	1000	1	1.89E-06	1.1523713	7	0.7	Tph2	Metabolism
DMR7:58477001	7	58477001	58478000	1000	1	7.80E-06	-1.0694238	6	0.6	Lgr5	Signaling

DMR7:59218001	7	59218001	59219000	1000	1	5.39E-06	1.272118	5	0.5	Ptprr	Signaling
DMR7:61684001	7	61684001	61685000	1000	1	9.54E-07	1.3552762	4	0.4		
DMR7:63289001	7	63289001	63291000	2000	1	1.98E-08	1.4338971	18	0.9		
DMR7:64827001	7	64827001	64828000	1000	1	8.87E-06	1.3346581	9	0.9	Grip1	Signaling
DMR7:66201001	7	66201001	66204000	3000	1	2.06E-10	1.6496955	24	0.8		
DMR7:66368001	7	66368001	66369000	1000	1	1.19E-06	1.1244784	6	0.6		
DMR7:66950001	7	66950001	66952000	2000	1	2.87E-06	0.9917745	25	1.25	Ppm1h	Signaling
DMR7:67122001	7	67122001	67123000	1000	1	6.61E-07	0.921737	6	0.6	Ppm1h;AABR07057353.2	Signaling
DMR7:69547001	7	69547001	69549000	2000	1	4.00E-07	1.4630633	6	0.3		
DMR7:71980001	7	71980001	71981000	1000	1	6.42E-07	1.1597315	1	0.1	Cpq	Metabolism
DMR7:73994001	7	73994001	73995000	1000	1	1.93E-06	-1.7114728	10	1		
DMR7:76924001	7	76924001	76925000	1000	1	8.22E-07	1.1715271	4	0.4		
DMR7:77116001	7	77116001	77117000	1000	1	1.11E-06	1.2018731	6	0.6		
DMR7:77178001	7	77178001	77180000	2000	1	6.45E-08	-1.2220557	10	0.5		
DMR7:79112001	7	79112001	79113000	1000	1	6.41E-06	0.9944017	2	0.2		
DMR7:79128001	7	79128001	79130000	2000	1	5.88E-07	1.3257028	15	0.75	AABR07057586.1	
DMR7:79362001	7	79362001	79363000	1000	1	8.69E-09	1.1318708	5	0.5		
DMR7:82731001	7	82731001	82732000	1000	1	7.65E-07	1.1194065	9	0.9		
DMR7:83940001	7	83940001	83942000	2000	1	9.27E-06	1.0269749	16	0.8		
DMR7:84189001	7	84189001	84192000	3000	2	7.05E-07	1.6556575	7	0.233		
DMR7:84650001	7	84650001	84651000	1000	1	7.68E-06	1.0016762	3	0.3		
DMR7:85309001	7	85309001	85310000	1000	1	8.40E-06	1.2793267	1	0.1		
DMR7:85690001	7	85690001	85691000	1000	1	3.46E-07	1.1806807	3	0.3		
DMR7:92557001	7	92557001	92558000	1000	1	9.22E-07	1.1873531	8	0.8		
DMR7:93675001	7	93675001	93677000	2000	1	8.12E-06	1.2247889	4	0.2		
DMR7:93981001	7	93981001	93982000	1000	1	1.59E-07	1.3600226	1	0.1	Colec10	Metabolism
DMR7:100014001	7	100014001	100016000	2000	1	9.29E-07	1.2378792	14	0.7		
DMR7:100573001	7	100573001	100574000	1000	1	4.02E-06	1.1732993	3	0.3		
DMR7:100972001	7	100972001	100974000	2000	1	4.28E-06	1.1520983	8	0.4		
DMR7:105849001	7	105849001	105850000	1000	1	3.27E-06	1.3240247	3	0.3		
DMR7:106048001	7	106048001	106051000	3000	1	5.13E-06	1.2630397	12	0.4	AABR07058240.1	
DMR7:108595001	7	108595001	108597000	2000	1	9.63E-06	1.0403682	17	0.85		
DMR7:109756001	7	109756001	109757000	1000	1	2.54E-06	1.0895645	1	0.1		
DMR7:110524001	7	110524001	110525000	1000	1	3.99E-06	1.1932416	3	0.3		
DMR7:111502001	7	111502001	111503000	1000	1	1.89E-06	0.8753503	5	0.5		
DMR7:112655001	7	112655001	112657000	2000	2	1.29E-10	1.6861783	7	0.35		
DMR7:116773001	7	116773001	116775000	2000	1	4.15E-06	1.0153981	22	1.1	RF00026;Mafa	
DMR7:120415001	7	120415001	120416000	1000	1	7.00E-07	1.0100661	9	0.9	AC096473.3	
DMR7:121944001	7	121944001	121945000	1000	1	8.94E-06	1.1642256	15	1.5	Tnrc6b;AABR07058519.1	Apoptosis
DMR7:124907001	7	124907001	124910000	3000	1	1.72E-06	0.7445036	41	1.367	Efcab6	Signaling
DMR7:128162001	7	128162001	128164000	2000	1	1.38E-06	1.0198324	11	0.55		
DMR7:129414001	7	129414001	129415000	1000	1	5.46E-06	1.1116434	8	0.8	LOC108351524	
DMR7:129529001	7	129529001	129533000	4000	1	2.77E-08	1.5542706	30	0.75		
DMR7:135855001	7	135855001	135857000	2000	1	3.87E-06	1.2066444	20	1	Twf1	Cytoskeleton
DMR7:136717001	7	136717001	136718000	1000	1	9.52E-06	1.1713844	1	0.1	Nell2	Signaling
DMR7:140266001	7	140266001	140267000	1000	1	7.09E-06	1.1047996	6	0.6	Tex49;Adcy6	Metabolism
DMR7:143246001	7	143246001	143248000	2000	2	9.76E-09	1.57458	7	0.35	AC097791.3	
DMR7:143421001	7	143421001	143423000	2000	1	6.95E-06	1.0323489	19	0.95	Krt5;Krt2	Cytoskeleton
DMR8:1707001	8	1707001	1708000	1000	1	8.19E-06	1.2997053	1	0.1	Gria4	Signaling
DMR8:4264001	8	4264001	4267000	3000	1	9.99E-07	1.3121573	13	0.433		
DMR8:5774001	8	5774001	5775000	1000	1	2.90E-07	1.3778117	3	0.3	Mmp8	Protease
DMR8:7573001	8	7573001	7575000	2000	1	1.76E-07	1.2875669	19	0.95		
DMR8:9890001	8	9890001	9891000	1000	1	2.13E-08	1.4478065	1	0.1		
DMR8:14989001	8	14989001	14991000	2000	1	3.19E-06	1.1441198	12	0.6		
DMR8:16971001	8	16971001	16972000	1000	1	3.39E-07	1.0361173	2	0.2		
DMR8:18691001	8	18691001	18692000	1000	1	4.28E-07	1.2474918	1	0.1		
DMR8:19569001	8	19569001	19571000	2000	2	4.51E-13	1.2374942	5	0.25		
DMR8:22620001	8	22620001	22622000	2000	1	3.08E-06	-1.4963432	51	2.55	Carm1;Yipf2;Timm29	Metabolism
DMR8:23010001	8	23010001	23012000	2000	1	1.05E-07	1.2996691	6	0.3	Rgl3;Ccadc151;Prkcsh	Signaling
DMR8:24268001	8	24268001	24269000	1000	1	9.08E-07	1.2721257	2	0.2		
DMR8:26371001	8	26371001	26372000	1000	1	1.25E-06	1.3654763	2	0.2		
DMR8:26573001	8	26573001	26574000	1000	1	4.78E-06	1.2047351	6	0.6		
DMR8:26645001	8	26645001	26647000	2000	1	3.86E-06	1.0121175	13	0.65	Eepd1	

DMR8:27922001	8	27922001	27924000	2000	1	4.40E-08	1.2953733	6	0.3	RF00001	
DMR8:29871001	8	29871001	29873000	2000	1	8.13E-06	1.2585809	10	0.5	Opcml	Extracellular Matrix
DMR8:31184001	8	31184001	31185000	1000	1	4.25E-08	1.224064	1	0.1		
DMR8:33562001	8	33562001	33563000	1000	1	1.18E-06	1.1670097	1	0.1	Fli1	Transcription
DMR8:40038001	8	40038001	40039000	1000	1	2.88E-06	1.1225563	11	1.1	AABR07069791.4;AABR07069791.3	
DMR8:40683001	8	40683001	40684000	1000	1	2.84E-06	-1.372206	11	1.1	Olr1206;Olr1213	
DMR8:43246001	8	43246001	43247000	1000	1	1.51E-06	1.4085568	4	0.4	Olr1305	
DMR8:45106001	8	45106001	45107000	1000	1	8.56E-06	1.0923004	7	0.7	Jhy	
DMR8:46212001	8	46212001	46213000	1000	1	5.48E-06	0.880891	5	0.5		
DMR8:46599001	8	46599001	46600000	1000	1	1.03E-06	1.22209	5	0.5	RF00560;Tecta	Extracellular Matrix
DMR8:47208001	8	47208001	47209000	1000	1	3.35E-06	1.0807153	3	0.3		
DMR8:47813001	8	47813001	47814000	1000	1	1.37E-06	1.4127611	2	0.2		
DMR8:47828001	8	47828001	47830000	2000	1	7.27E-08	1.5758757	12	0.6		
DMR8:49068001	8	49068001	49069000	1000	1	1.47E-06	1.5834972	5	0.5	Arcn1;Ift46	Transport
DMR8:49536001	8	49536001	49537000	1000	1	9.07E-08	1.1642494	2	0.2	Smim35	
DMR8:50083001	8	50083001	50084000	1000	1	1.22E-10	1.4722042	7	0.7	Cep164	
DMR8:50542001	8	50542001	50543000	1000	1	2.84E-07	1.151581	10	1	Apoa4;AABR07073400.1	Transport
DMR8:52951001	8	52951001	52953000	2000	1	3.98E-07	1.4793069	11	0.55		
DMR8:54193001	8	54193001	54194000	1000	1	4.84E-06	0.9869449	6	0.6		
DMR8:56773001	8	56773001	56774000	1000	1	7.08E-06	1.0257293	4	0.4		
DMR8:59367001	8	59367001	59368000	1000	1	8.51E-06	1.6637291	3	0.3		
DMR8:63189001	8	63189001	63190000	1000	1	4.26E-06	1.1992487	13	1.3		
DMR8:63409001	8	63409001	63410000	1000	1	5.83E-07	1.7951774	3	0.3	Nptn	Receptor
DMR8:63795001	8	63795001	63797000	2000	1	7.18E-06	1.4628413	8	0.4		
DMR8:63818001	8	63818001	63819000	1000	1	3.49E-12	1.5809996	6	0.6		
DMR8:67357001	8	67357001	67358000	1000	1	1.92E-06	1.0716391	9	0.9		
DMR8:68903001	8	68903001	68904000	1000	1	1.96E-06	1.2367178	10	1	Smad6	Signaling
DMR8:70116001	8	70116001	70117000	1000	1	9.00E-06	1.0427759	6	0.6	Megf11	Extracellular Matrix
DMR8:70531001	8	70531001	70533000	2000	1	6.42E-06	1.0632846	17	0.85	Dpp8	Protease
DMR8:71252001	8	71252001	71253000	1000	1	1.03E-06	0.9371488	1	0.1	Zfp609	
DMR8:71600001	8	71600001	71601000	1000	1	7.65E-07	1.2082899	9	0.9	Csnk1g1;RF00560	Signaling
DMR8:73843001	8	73843001	73845000	2000	1	3.78E-06	1.1763513	22	1.1	Vps13c	
DMR8:74701001	8	74701001	74703000	2000	1	3.61E-08	2.3723826	12	0.6		
DMR8:76171001	8	76171001	76172000	1000	1	7.81E-07	1.3156943	3	0.3		
DMR8:77882001	8	77882001	77885000	3000	1	5.20E-07	1.1664958	27	0.9		
DMR8:78956001	8	78956001	78957000	1000	1	1.71E-06	1.5289193	6	0.6	Zfp280d	Transcription
DMR8:79856001	8	79856001	79857000	1000	1	3.49E-08	1.3955489	5	0.5	AC128582.1	
DMR8:80365001	8	80365001	80366000	1000	1	4.36E-06	1.1222626	12	1.2	Unc13c	Development
DMR8:84608001	8	84608001	84609000	1000	1	5.01E-06	1.0479049	9	0.9	Mlip	Unknown
DMR8:86883001	8	86883001	86884000	1000	1	2.69E-06	1.0280771	11	1.1		
DMR8:87256001	8	87256001	87258000	2000	1	3.38E-07	1.0525927	14	0.7	Filip1	Unknown
DMR8:90130001	8	90130001	90131000	1000	1	9.94E-07	1.2500068	4	0.4		
DMR8:92983001	8	92983001	92985000	2000	1	5.91E-08	1.0379554	14	0.7		
DMR8:94764001	8	94764001	94766000	2000	1	1.06E-06	1.1884532	17	0.85	Cyb5r4	Metabolism
DMR8:95773001	8	95773001	95775000	2000	1	1.74E-06	1.1979704	21	1.05		
DMR8:102664001	8	102664001	102666000	2000	1	6.42E-06	1.0644047	7	0.35	Slc9a9	Transport
DMR8:104393001	8	104393001	104395000	2000	1	2.54E-06	1.1279462	34	1.7	AABR07071199.2	
DMR8:107968001	8	107968001	107972000	4000	1	7.78E-06	0.9949777	55	1.375		
DMR8:110846001	8	110846001	110847000	1000	1	1.79E-10	1.8184893	5	0.5	RF00026	
DMR8:111121001	8	111121001	111122000	1000	1	2.27E-09	2.0786608	7	0.7	Cep63;Anapc13	
DMR8:111579001	8	111579001	111580000	1000	1	2.00E-06	1.3796959	6	0.6	Slco2a1	Metabolism
DMR8:115301001	8	115301001	115302000	1000	1	1.14E-07	0.8607762	3	0.3		
DMR8:116137001	8	116137001	116138000	1000	1	9.99E-06	1.1154747	9	0.9		
DMR8:119681001	8	119681001	119682000	1000	1	2.18E-06	1.213011	1	0.1	Dclk3	Cytoskeleton
DMR8:119919001	8	119919001	119920000	1000	1	6.58E-06	1.2215747	7	0.7		
DMR8:120521001	8	120521001	120523000	2000	1	1.27E-07	1.1678252	5	0.25		
DMR8:122313001	8	122313001	122314000	1000	1	1.36E-06	1.3738534	11	1.1	Fbxl2	Proteolysis
DMR8:125056001	8	125056001	125057000	1000	1	1.48E-06	1.0201201	5	0.5	Rbms3	Epigenetic
DMR8:126718001	8	126718001	126720000	2000	1	5.27E-06	1.1706564	24	1.2		
DMR8:127920001	8	127920001	127921000	1000	1	3.22E-06	-1.9360693	9	0.9	Oxsr1;LOC685081	Signaling
DMR8:128381001	8	128381001	128383000	2000	1	3.44E-06	1.1517342	15	0.75	Scn10a	Transport

DMR8:128485001	8	128485001	128487000	2000	1	2.15E-06	1.0475939	33	1.65	Scn11a	Transport
DMR8:128990001	8	128990001	128991000	1000	1	3.54E-09	1.5062657	8	0.8	Myrip	Metabolism
DMR8:129734001	8	129734001	129735000	1000	1	1.33E-07	1.3397447	6	0.6	Ulk4	
DMR8:130649001	8	130649001	130650000	1000	1	1.91E-07	1.3670614	6	0.6		
DMR8:130698001	8	130698001	130700000	2000	2	2.36E-08	1.6192845	9	0.45		
DMR9:2724001	9	2724001	2725000	1000	1	4.82E-07	0.9455606	5	0.5		
DMR9:5112001	9	5112001	5113000	1000	1	8.77E-06	1.1282429	2	0.2		
DMR9:7770001	9	7770001	7771000	1000	1	2.25E-06	0.9060728	4	0.4	Vom2r77	
DMR9:10171001	9	10171001	10172000	1000	1	3.76E-07	1.2954128	10	1	LOC316124;Acsbg2	Metabolism
DMR9:10918001	9	10918001	10919000	1000	1	7.34E-06	1.2226734	0	0		
DMR9:11305001	9	11305001	11306000	1000	1	8.17E-06	1.0576003	2	0.2	Uxs1	Metabolism
DMR9:17009001	9	17009001	17010000	1000	1	6.40E-06	0.9727993	5	0.5		
DMR9:17708001	9	17708001	17711000	3000	1	1.01E-06	1.0730069	20	0.667	Mrpl14;Tmem63b	Transcription;EST
DMR9:20421001	9	20421001	20422000	1000	1	9.97E-08	1.1720929	8	0.8		
DMR9:22322001	9	22322001	22324000	2000	2	8.13E-08	1.5215673	7	0.35		
DMR9:24041001	9	24041001	24042000	1000	1	3.67E-06	1.6968351	5	0.5		
DMR9:25657001	9	25657001	25659000	2000	1	9.12E-07	0.967675	10	0.5		
DMR9:27668001	9	27668001	27669000	1000	1	3.76E-06	1.3523006	3	0.3	Kcnq5;AABR07067042.4;AABR07067042.1	Transport
DMR9:29772001	9	29772001	29773000	1000	1	1.67E-07	1.2247549	4	0.4		
DMR9:29823001	9	29823001	29825000	2000	1	2.47E-06	1.1232295	12	0.6		
DMR9:30493001	9	30493001	30495000	2000	1	7.65E-08	1.1233435	16	0.8	Col9a1	Extracellular Matrix
DMR9:31207001	9	31207001	31209000	2000	1	2.97E-06	1.2980656	11	0.55		
DMR9:35939001	9	35939001	35940000	1000	1	4.77E-06	1.3740966	3	0.3		
DMR9:36065001	9	36065001	36066000	1000	1	2.07E-06	1.2354653	2	0.2		
DMR9:39114001	9	39114001	39116000	2000	1	3.02E-07	1.3771085	13	0.65		
DMR9:40011001	9	40011001	40012000	1000	1	1.56E-06	1.1248715	6	0.6	Khdrbs2	Translation
DMR9:41503001	9	41503001	41505000	2000	1	2.77E-06	1.4519771	25	1.25		
DMR9:41968001	9	41968001	41969000	1000	1	7.13E-06	1.6004682	9	0.9		
DMR9:43806001	9	43806001	43807000	1000	1	1.37E-07	1.2891983	3	0.3	Cnga3	Receptor
DMR9:44619001	9	44619001	44621000	2000	1	4.12E-07	1.5405795	18	0.9	LOC100910070	
DMR9:46617001	9	46617001	46618000	1000	1	9.60E-06	0.9992777	9	0.9		
DMR9:47605001	9	47605001	47606000	1000	1	1.57E-06	1.5246398	6	0.6		
DMR9:48198001	9	48198001	48199000	1000	1	6.78E-08	1.1941598	7	0.7		
DMR9:48224001	9	48224001	48225000	1000	1	7.96E-06	1.1438875	6	0.6		
DMR9:50506001	9	50506001	50507000	1000	1	1.93E-06	1.1761636	1	0.1		
DMR9:52145001	9	52145001	52146000	1000	1	1.56E-06	1.1819955	4	0.4	Col5a2	Extracellular Matrix
DMR9:55374001	9	55374001	55376000	2000	1	5.72E-07	1.2078966	26	1.3	Tmeff2	Signaling
DMR9:55515001	9	55515001	55516000	1000	1	7.74E-07	1.0351411	9	0.9	Tmeff2	Signaling
DMR9:57643001	9	57643001	57644000	1000	1	4.61E-07	1.3524583	5	0.5		
DMR9:59737001	9	59737001	59738000	1000	1	5.16E-08	1.1101576	5	0.5		
DMR9:62457001	9	62457001	62458000	1000	1	5.75E-06	1.0571721	4	0.4		
DMR9:63441001	9	63441001	63442000	1000	1	2.99E-07	1.238589	8	0.8		
DMR9:67515001	9	67515001	67517000	2000	1	9.46E-06	1.1843464	12	0.6		
DMR9:68188001	9	68188001	68190000	2000	1	7.54E-07	1.2692121	7	0.35		
DMR9:72014001	9	72014001	72015000	1000	1	6.25E-06	-1.0778734	18	1.8	Pikfyve	Protein Binding
DMR9:75242001	9	75242001	75244000	2000	1	6.86E-06	0.9037156	11	0.55	Erbp4	Signaling
DMR9:79864001	9	79864001	79865000	1000	1	4.19E-07	1.2238489	9	0.9	4-Mar	Metabolism
DMR9:80952001	9	80952001	80953000	1000	1	8.41E-10	1.6988229	2	0.2		
DMR9:80956001	9	80956001	80957000	1000	1	7.27E-07	1.2274322	1	0.1		
DMR9:82041001	9	82041001	82042000	1000	1	1.10E-06	1.1454819	3	0.3	Wnt6	Signaling
DMR9:82182001	9	82182001	82183000	1000	1	9.64E-06	1.0594744	4	0.4	Cfap65	
DMR9:83978001	9	83978001	83980000	2000	1	1.34E-09	1.2957516	12	0.6		
DMR9:84487001	9	84487001	84488000	1000	1	2.70E-06	1.1165168	4	0.4		
DMR9:84755001	9	84755001	84756000	1000	1	3.48E-06	1.1477289	4	0.4		
DMR9:86920001	9	86920001	86922000	2000	1	7.39E-08	1.453125	9	0.45	Nyap2	
DMR9:92627001	9	92627001	92628000	1000	1	3.98E-06	1.2782059	7	0.7	AABR07068248.1;Sp140	Transcription
DMR9:95399001	9	95399001	95401000	2000	1	5.78E-06	-1.3624955	16	0.8	Trpm8	Receptor
DMR9:96554001	9	96554001	96555000	1000	1	1.90E-08	1.2666867	0	0		
DMR9:97860001	9	97860001	97861000	1000	1	1.97E-06	-1.1892724	12	1.2		
DMR9:98013001	9	98013001	98014000	1000	1	6.02E-06	0.9886768	6	0.6	AABR07068316.1	
DMR9:98054001	9	98054001	98055000	1000	1	3.32E-06	1.3239606	10	1		
DMR9:99870001	9	99870001	99872000	2000	1	3.74E-07	1.246934	11	0.55		



DMR9:100307001	9	100307001	100308000	1000	1	3.21E-06	1.4687964	5	0.5	Mab2114	
DMR9:102715001	9	102715001	102716000	1000	1	1.49E-06	1.1909628	0	0		
DMR9:105519001	9	105519001	105520000	1000	1	4.77E-11	1.3899288	7	0.7		
DMR9:106394001	9	106394001	106395000	1000	1	6.47E-06	1.1848501	6	0.6		
DMR9:107208001	9	107208001	107209000	1000	1	8.78E-06	1.0484868	4	0.4		
DMR9:109859001	9	109859001	109860000	1000	1	9.93E-06	-1.1347409	10	1		
DMR9:116355001	9	116355001	116356000	1000	1	3.53E-06	1.2736926	7	0.7		
DMR9:116453001	9	116453001	116454000	1000	1	2.29E-06	1.3486212	6	0.6		
DMR9:116856001	9	116856001	116857000	1000	1	2.12E-12	1.4636227	3	0.3	AABR07068728.1	
DMR9:118885001	9	118885001	118886000	1000	1	3.75E-06	1.000942	5	0.5	Dlgap1	Signaling
DMR10:1762001	10	1762001	1764000	2000	1	4.57E-06	1.2264558	13	0.65	AABR07028998.1	
DMR10:1875001	10	1875001	1876000	1000	1	7.98E-06	1.2276836	6	0.6		
DMR10:4645001	10	4645001	4646000	1000	1	8.28E-06	1.4732186	9	0.9	Txndc11;Snn	Electron Transport;Apoptosis
DMR10:5782001	10	5782001	5783000	1000	1	5.83E-06	1.0179716	2	0.2		
DMR10:7144001	10	7144001	7145000	1000	1	1.09E-06	0.9046093	10	1	Abat	Metabolism
DMR10:8275001	10	8275001	8276000	1000	1	7.53E-07	1.4838578	2	0.2		
DMR10:8351001	10	8351001	8352000	1000	1	7.48E-08	1.2084944	2	0.2	Rbfox1	Unknown
DMR10:8721001	10	8721001	8723000	2000	1	9.45E-06	1.3432409	4	0.2		
DMR10:9565001	10	9565001	9567000	2000	1	2.76E-06	1.5235684	7	0.35		
DMR10:10140001	10	10140001	10141000	1000	1	3.99E-06	1.1095848	9	0.9		
DMR10:10229001	10	10229001	10230000	1000	1	9.36E-07	1.1956345	7	0.7		
DMR10:13160001	10	13160001	13161000	1000	1	2.01E-07	1.1626139	9	0.9	Srrm2;Mir5125;Elob	
DMR10:15474001	10	15474001	15476000	2000	1	1.61E-07	1.2958881	8	0.4	Nme4;Tmem8a	Signaling
DMR10:18914001	10	18914001	18915000	1000	1	7.97E-06	1.0702539	6	0.6	Kcnip1;Kcnmb1	Signaling;Metabolism
DMR10:19274001	10	19274001	19275000	1000	1	7.97E-06	-1.4025656	19	1.9		
DMR10:20125001	10	20125001	20127000	2000	1	9.04E-07	1.2825188	18	0.9		
DMR10:23661001	10	23661001	23663000	2000	1	3.66E-07	1.0760548	75	3.75	Ebf1	Transcription
DMR10:25188001	10	25188001	25189000	1000	1	6.82E-06	1.2340158	5	0.5		
DMR10:26732001	10	26732001	26733000	1000	1	1.68E-06	1.2061153	3	0.3		
DMR10:27129001	10	27129001	27131000	2000	1	4.01E-06	1.3251937	10	0.5	Gabrg2	Receptor
DMR10:30185001	10	30185001	30188000	3000	1	3.02E-06	1.1423279	45	1.5	Rnf145	Proteolysis
DMR10:31338001	10	31338001	31339000	1000	1	3.14E-06	-1.1769815	25	2.5	Cyfp2	Development
DMR10:31343001	10	31343001	31345000	2000	1	2.48E-06	1.2525038	20	1	Cyfp2	Development
DMR10:31609001	10	31609001	31610000	1000	1	4.57E-06	1.1006013	4	0.4	LOC100359777	
DMR10:32537001	10	32537001	32538000	1000	1	1.38E-06	1.1870525	6	0.6		
DMR10:32600001	10	32600001	32602000	2000	1	1.61E-08	1.436731	14	0.7		
DMR10:32811001	10	32811001	32813000	2000	1	6.42E-07	1.0819426	4	0.2		
DMR10:33870001	10	33870001	33871000	1000	1	1.02E-08	1.4310384	4	0.4		
DMR10:37859001	10	37859001	37860000	1000	1	1.30E-07	1.620018	5	0.5		
DMR10:38721001	10	38721001	38722000	1000	1	8.34E-06	0.8950046	9	0.9	Aff4	Transcription
DMR10:39763001	10	39763001	39764000	1000	1	7.80E-06	0.7985447	4	0.4		
DMR10:40514001	10	40514001	40515000	1000	1	5.87E-06	1.1557524	8	0.8	Slc36a2	
DMR10:41268001	10	41268001	41269000	1000	1	9.50E-07	1.3266764	3	0.3		
DMR10:42290001	10	42290001	42291000	1000	1	3.35E-08	1.17232	1	0.1		
DMR10:42665001	10	42665001	42667000	2000	1	9.52E-06	1.0367706	9	0.45	Gria1	Receptor
DMR10:43413001	10	43413001	43415000	2000	1	6.33E-06	1.0902835	16	0.8		
DMR10:43423001	10	43423001	43425000	2000	1	3.44E-06	0.9618078	12	0.6		
DMR10:48077001	10	48077001	48079000	2000	1	1.33E-07	1.4599112	15	0.75	Ulk2	Signaling
DMR10:49316001	10	49316001	49317000	1000	1	9.66E-08	1.9459577	11	1.1	Tvp23b	
DMR10:49470001	10	49470001	49471000	1000	1	4.59E-06	1.010804	7	0.7	Tekt3	Cytoskeleton
DMR10:52162001	10	52162001	52163000	1000	1	7.85E-06	1.0878746	5	0.5		
DMR10:54406001	10	54406001	54407000	1000	1	7.90E-06	0.9386931	12	1.2	Usp43	
DMR10:54411001	10	54411001	54412000	1000	1	2.85E-06	1.201307	5	0.5	Usp43	
DMR10:57979001	10	57979001	57981000	2000	1	2.49E-07	1.5316992	13	0.65		
DMR10:61140001	10	61140001	61141000	1000	1	7.79E-06	1.4978085	1	0.1	AABR07029955.1	
DMR10:61231001	10	61231001	61232000	1000	1	4.15E-06	1.1798665	15	1.5	Rap1gap2	Signaling
DMR10:63072001	10	63072001	63073000	1000	1	7.66E-06	1.398539	13	1.3	Efcab5	
DMR10:66989001	10	66989001	66991000	2000	1	2.66E-07	1.1641566	18	0.9	Rab11fip4;RF00026	Unknown
DMR10:67798001	10	67798001	67801000	3000	1	7.33E-06	1.0268585	11	0.367	Psmd11	Unknown
DMR10:68285001	10	68285001	68287000	2000	1	1.95E-06	1.1125949	24	1.2	Asic2	Transport
DMR10:69929001	10	69929001	69930000	1000	1	8.11E-07	1.2727301	7	0.7		

DMR10:70352001	10	70352001	70357000	5000	4	1.42E-10	1.3321984	12	0.24	Slfn13;AC128859.5;AC12885	Translation
DMR10:71876001	10	71876001	71877000	1000	1	3.08E-08	1.2744563	5	0.5		
DMR10:72076001	10	72076001	72077000	1000	1	3.89E-07	1.1308956	10	1		
DMR10:74055001	10	74055001	74056000	1000	1	2.80E-06	1.3188243	4	0.4	Cltc	Cytoskeleton
DMR10:76173001	10	76173001	76174000	1000	1	3.57E-06	1.2974035	6	0.6	Akap1	Signaling
DMR10:78206001	10	78206001	78207000	1000	1	6.54E-06	0.8939209	10	1	Tom1l1	Transport
DMR10:79140001	10	79140001	79141000	1000	1	4.19E-06	1.1384905	4	0.4		
DMR10:80072001	10	80072001	80074000	2000	1	7.61E-06	1.0735172	12	0.6		
DMR10:82341001	10	82341001	82343000	2000	1	2.15E-06	1.3885652	13	0.65	AABR07030351.1;Lrrc59	Development
DMR10:83559001	10	83559001	83560000	1000	1	4.37E-06	1.0737627	1	0.1	Zfp652	Transcription
DMR10:84742001	10	84742001	84743000	1000	1	6.58E-06	1.3954959	4	0.4		
DMR10:84775001	10	84775001	84776000	1000	1	2.20E-06	1.1419865	10	1	Cdk5rap3	
DMR10:85995001	10	85995001	85996000	1000	1	2.55E-06	1.0265315	14	1.4	Stac2	Signaling
DMR10:87917001	10	87917001	87919000	2000	1	1.27E-07	0.8343832	18	0.9	AABR07072181.4;Krtap16-1;AABR07072181.1;Krtap17-1	
DMR10:87929001	10	87929001	87930000	1000	1	1.09E-07	0.9957246	9	0.9	Krtap16-1;AABR07072181.1;Krtap17-1;AABR07072181.2	
DMR10:89143001	10	89143001	89144000	1000	1	2.53E-06	1.1998667	4	0.4		
DMR10:97784001	10	97784001	97786000	2000	1	3.29E-06	1.2141746	14	0.7	Arsg	Metabolism
DMR10:97798001	10	97798001	97799000	1000	1	1.48E-09	1.2638086	6	0.6	Arsg	Metabolism
DMR10:98044001	10	98044001	98046000	2000	1	4.08E-06	1.0137841	18	0.9		
DMR10:100500001	10	100500001	100503000	3000	1	1.17E-08	1.3206909	38	1.267		
DMR10:102139001	10	102139001	102140000	1000	1	1.54E-06	1.1325314	6	0.6	Sstr2	Receptor
DMR10:102550001	10	102550001	102551000	1000	1	7.17E-06	0.9968986	13	1.3	Sdk2	Development
DMR10:102709001	10	102709001	102710000	1000	1	1.56E-06	0.9752098	15	1.5		
DMR10:102839001	10	102839001	102840000	1000	1	9.70E-06	1.0157264	12	1.2		
DMR10:103265001	10	103265001	103266000	1000	1	5.09E-09	1.2665779	11	1.1	Dnai2	Cytoskeleton
DMR10:107048001	10	107048001	107049000	1000	1	9.08E-06	1.1428297	10	1	Dnah17	Cytoskeleton
DMR10:107454001	10	107454001	107455000	1000	1	9.67E-06	0.9730412	16	1.6	Cant1;C1qtnf1	Metabolism;Growth Factors & Cytokines
DMR10:107541001	10	107541001	107542000	1000	1	6.25E-06	1.0813075	5	0.5	Rbfox3	
DMR10:107794001	10	107794001	107795000	1000	1	8.17E-06	-1.2460613	22	2.2		
DMR10:107846001	10	107846001	107847000	1000	1	5.05E-08	1.1892124	20	2		
DMR10:109263001	10	109263001	109264000	1000	1	8.77E-06	1.0023446	4	0.4	Cep131;Tepsin	
DMR10:109828001	10	109828001	109829000	1000	1	4.31E-06	1.0892365	3	0.3	Pycr1;Myadml2;Notum	Metabolism
DMR11:433001	11	433001	434000	1000	1	2.26E-06	1.7247348	1	0.1	Epha3	Receptor
DMR11:737001	11	737001	739000	2000	1	3.85E-06	1.1082096	11	0.55	Epha3	Receptor
DMR11:3861001	11	3861001	3862000	1000	1	3.13E-08	1.2068712	5	0.5		
DMR11:4484001	11	4484001	4485000	1000	1	2.72E-06	1.5105938	2	0.2		
DMR11:4487001	11	4487001	4488000	1000	1	3.52E-06	1.1108013	1	0.1		
DMR11:6973001	11	6973001	6975000	2000	1	6.88E-07	1.3625165	10	0.5		
DMR11:7189001	11	7189001	7190000	1000	1	5.22E-08	1.1708429	5	0.5		
DMR11:10921001	11	10921001	10922000	1000	1	6.15E-06	1.4825104	5	0.5		
DMR11:11099001	11	11099001	11100000	1000	1	2.28E-09	-1.4806931	9	0.9	Robo2	Receptor
DMR11:11751001	11	11751001	11752000	1000	1	1.79E-07	1.098187	7	0.7		
DMR11:16273001	11	16273001	16274000	1000	1	8.95E-08	1.1565672	4	0.4	AABR07033292.1	
DMR11:19346001	11	19346001	19347000	1000	1	8.01E-06	1.1612926	3	0.3		
DMR11:19423001	11	19423001	19424000	1000	1	2.81E-08	1.257388	4	0.4		
DMR11:19934001	11	19934001	19935000	1000	1	2.71E-06	1.4972026	4	0.4		
DMR11:24617001	11	24617001	24619000	2000	1	8.74E-06	1.2121501	10	0.5	App	Signaling
DMR11:25053001	11	25053001	25054000	1000	1	3.63E-07	1.2795263	6	0.6	Cyyr1	Unknown
DMR11:25708001	11	25708001	25710000	2000	1	4.69E-07	1.1213188	8	0.4		
DMR11:25828001	11	25828001	25830000	2000	1	2.27E-06	1.4082973	6	0.3		
DMR11:29919001	11	29919001	29920000	1000	1	1.77E-07	0.8781573	5	0.5		
DMR11:30727001	11	30727001	30729000	2000	2	7.17E-08	1.1880131	3	0.15		
DMR11:31625001	11	31625001	31626000	1000	1	9.36E-07	1.3964981	14	1.4		
DMR11:33900001	11	33900001	33901000	1000	1	9.65E-06	1.1114281	3	0.3	AABR07033657.1;Cbr3	Metabolism
DMR11:35059001	11	35059001	35062000	3000	1	2.92E-07	1.3731159	19	0.633	Kcnj6	Metabolism
DMR11:35095001	11	35095001	35096000	1000	1	9.02E-06	1.2498123	12	1.2	Kcnj6	Metabolism

DMR11:36160001	11	36160001	36161000	1000	1	1.93E-10	1.7530365	12	1.2		
DMR11:36264001	11	36264001	36265000	1000	1	1.84E-06	1.1490172	6	0.6		
DMR11:37608001	11	37608001	37609000	1000	1	2.35E-09	1.4859997	1	0.1	AABR07033720.1	
DMR11:37882001	11	37882001	37885000	3000	1	2.78E-09	1.5525883	25	0.833	Bace2;Mx1	Metabolism
DMR11:38031001	11	38031001	38032000	1000	1	1.06E-06	1.1236627	2	0.2	Mx2	Immune
DMR11:39544001	11	39544001	39545000	1000	1	1.64E-07	1.312303	7	0.7		
DMR11:40668001	11	40668001	40669000	1000	1	1.64E-08	1.4641279	1	0.1		
DMR11:42228001	11	42228001	42230000	2000	1	3.22E-06	1.2704934	10	0.5		
DMR11:43332001	11	43332001	43333000	1000	1	3.19E-06	1.2896783	3	0.3	Olr1540;Olr1541	Receptor
DMR11:43614001	11	43614001	43616000	2000	1	2.50E-06	0.9546562	5	0.25	Olr1557	Receptor
DMR11:44138001	11	44138001	44139000	1000	1	2.86E-07	1.2150191	6	0.6		
DMR11:45160001	11	45160001	45161000	1000	1	3.47E-06	1.4797837	2	0.2		
DMR11:45708001	11	45708001	45709000	1000	1	1.85E-06	1.1999144	9	0.9		
DMR11:46299001	11	46299001	46300000	1000	1	4.27E-09	1.2816676	4	0.4	Abi3bp	Unknown
DMR11:48430001	11	48430001	48431000	1000	1	1.69E-08	1.471973	2	0.2		
DMR11:51837001	11	51837001	51838000	1000	1	2.94E-08	1.4576072	7	0.7		
DMR11:51914001	11	51914001	51915000	1000	1	1.24E-06	1.3223739	11	1.1		
DMR11:53966001	11	53966001	53967000	1000	1	3.73E-06	1.4346634	5	0.5		
DMR11:58588001	11	58588001	58589000	1000	1	1.16E-06	0.8886366	8	0.8		
DMR11:59133001	11	59133001	59135000	2000	1	1.50E-08	-1.4212762	22	1.1		
DMR11:60095001	11	60095001	60096000	1000	1	1.01E-06	1.3314205	6	0.6	Tagln3;Tmprss7	Cytoskeleton;Protease
DMR11:60548001	11	60548001	60549000	1000	1	2.24E-06	1.1441811	7	0.7	Btla	
DMR11:66977001	11	66977001	66979000	2000	1	8.96E-07	1.2013445	6	0.3		
DMR11:71486001	11	71486001	71488000	2000	1	3.37E-06	1.4433973	17	0.85		
DMR11:71497001	11	71497001	71498000	1000	1	1.71E-06	1.3184123	9	0.9		
DMR11:74120001	11	74120001	74121000	1000	1	2.38E-09	1.07869	2	0.2		
DMR11:74969001	11	74969001	74970000	1000	1	6.81E-07	1.7429375	3	0.3	Atp13a4	Transport
DMR11:77396001	11	77396001	77397000	1000	1	1.62E-06	1.3010899	7	0.7		
DMR11:78590001	11	78590001	78592000	2000	2	1.17E-08	1.5797869	11	0.55		
DMR11:78723001	11	78723001	78726000	3000	1	5.94E-07	1.3202349	12	0.4	Tprg1	Unknown
DMR11:78923001	11	78923001	78924000	1000	1	8.95E-06	1.1258795	3	0.3		
DMR11:79134001	11	79134001	79135000	1000	1	8.53E-06	1.0443522	0	0	AABR07034573.1	
DMR11:79478001	11	79478001	79479000	1000	1	2.23E-07	1.3441225	6	0.6	Lpp	Cytoskeleton
DMR11:82209001	11	82209001	82210000	1000	1	5.63E-12	3.163846	19	1.9	Etv5	Transcription
DMR11:82271001	11	82271001	82272000	1000	1	2.50E-06	1.2984346	3	0.3		
DMR11:82688001	11	82688001	82689000	1000	1	4.32E-06	1.0550995	17	1.7	AABR07034648.1	
DMR11:84518001	11	84518001	84519000	1000	1	2.49E-06	1.1457539	12	1.2	Yeats2;Cyp2ab1;Parl	Transcription;Protease
DMR11:86402001	11	86402001	86404000	2000	1	4.38E-07	1.1756941	14	0.7		
DMR11:86932001	11	86932001	86933000	1000	1	1.07E-06	0.9681858	5	0.5	AABR07072264.3;AABR07072264.4	
DMR11:89268001	11	89268001	89270000	2000	1	5.61E-07	1.1767287	16	0.8	Spidr;Mzt2b	
DMR11:90021001	11	90021001	90022000	1000	1	5.22E-06	1.2728923	9	0.9		
DMR12:256001	12	256001	257000	1000	1	2.78E-07	0.8473137	2	0.2		
DMR12:2592001	12	2592001	2593000	1000	1	2.51E-06	1.1665166	13	1.3	Prr36;Evi5l;AABR07034980.1	
DMR12:6397001	12	6397001	6398000	1000	1	2.66E-06	1.1314558	16	1.6	RF00272;B3glct	
DMR12:7114001	12	7114001	7116000	2000	1	1.47E-07	1.1517291	21	1.05	RF00017;AABR07035218.2	
DMR12:7352001	12	7352001	7354000	2000	2	1.53E-06	1.3567861	25	1.25	RF00017;AABR07035224.1	
DMR12:9939001	12	9939001	9941000	2000	1	7.57E-06	1.038752	23	1.15		
DMR12:10112001	12	10112001	10113000	1000	1	3.85E-07	1.1629657	11	1.1		
DMR12:11896001	12	11896001	11897000	1000	1	3.29E-06	1.1820049	16	1.6		
DMR12:12561001	12	12561001	12562000	1000	1	6.71E-06	0.8527524	18	1.8		
DMR12:16500001	12	16500001	16501000	1000	1	8.98E-07	1.1906947	8	0.8	Mad1l1	
DMR12:17186001	12	17186001	17188000	2000	2	1.04E-07	1.2939499	96	4.8	Uncx	Transcription
DMR12:21372001	12	21372001	21373000	1000	1	9.81E-09	1.4026991	5	0.5	LOC108348155;AABR07035717.1	
DMR12:23302001	12	23302001	23303000	1000	1	5.30E-08	1.3037195	6	0.6	Cux1	Development
DMR12:25675001	12	25675001	25676000	1000	1	9.98E-06	1.0817303	4	0.4		
DMR12:26189001	12	26189001	26190000	1000	1	2.63E-06	0.9654734	7	0.7		
DMR12:26437001	12	26437001	26438000	1000	1	1.41E-06	1.0551176	6	0.6		
DMR12:26520001	12	26520001	26521000	1000	1	1.85E-06	1.1998817	5	0.5		
DMR12:26976001	12	26976001	26977000	1000	1	3.54E-06	1.1744577	13	1.3		
DMR12:27318001	12	27318001	27321000	3000	1	5.04E-06	1.0216959	36	1.2	AABR07035916.1	

DMR12:28323001	12	28323001	28325000	2000	1	7.58E-06	1.137243	24	1.2		
DMR12:29109001	12	29109001	29111000	2000	1	5.76E-06	1.1134361	18	0.9	AABR07035946.1	
DMR12:31543001	12	31543001	31544000	1000	1	2.57E-07	0.9799817	13	1.3	Rimbp2	Unknown
DMR12:31739001	12	31739001	31740000	1000	1	3.36E-07	1.2324579	12	1.2		
DMR12:32018001	12	32018001	32019000	1000	1	2.44E-06	0.9692375	5	0.5	Tmem132d	Unknown
DMR12:34381001	12	34381001	34382000	1000	1	9.45E-07	1.0459852	2	0.2		
DMR12:35994001	12	35994001	35995000	1000	1	8.47E-06	0.9806238	7	0.7	Tmem132b	Unknown
DMR12:37340001	12	37340001	37341000	1000	1	9.59E-06	0.9922357	19	1.9		
DMR12:39041001	12	39041001	39042000	1000	1	8.22E-08	1.5682461	4	0.4		
DMR12:39959001	12	39959001	39960000	1000	1	8.00E-06	1.1536438	12	1.2	Ccdc63;Myl2	Cytoskeleton
DMR12:40651001	12	40651001	40652000	1000	1	2.15E-06	1.0056823	8	0.8	Naa25	Metabolism
DMR12:41035001	12	41035001	41037000	2000	1	1.21E-07	1.1819501	20	1		
DMR12:41642001	12	41642001	41643000	1000	1	5.68E-09	1.2921687	8	0.8	Sdsl	Metabolism
DMR12:41832001	12	41832001	41833000	1000	1	2.62E-06	1.2620393	3	0.3		
DMR12:42739001	12	42739001	42740000	1000	1	4.40E-07	0.9774392	14	1.4		
DMR12:42831001	12	42831001	42833000	2000	1	3.36E-06	0.9647323	38	1.9		
DMR12:42853001	12	42853001	42854000	1000	1	4.68E-06	1.1087402	9	0.9		
DMR12:43034001	12	43034001	43036000	2000	1	9.79E-06	1.0635803	26	1.3		
DMR12:43824001	12	43824001	43825000	1000	1	5.06E-06	1.0801316	6	0.6		
DMR12:44754001	12	44754001	44755000	1000	1	5.72E-06	1.1304246	6	0.6	Ksr2	Signaling
DMR12:44914001	12	44914001	44917000	3000	1	5.51E-06	1.2822267	33	1.1	Ksr2	Signaling
DMR12:46184001	12	46184001	46185000	1000	1	3.11E-06	1.4277699	4	0.4	Ccdc60	
DMR12:46271001	12	46271001	46273000	2000	1	8.53E-07	1.321144	22	1.1	Tmem233	
DMR12:46831001	12	46831001	46832000	1000	1	2.96E-08	1.4296566	13	1.3	Pxn	Metabolism
DMR12:47406001	12	47406001	47407000	1000	1	6.64E-06	-0.9629736	10	1	Hnf1a	Transcription
DMR12:50065001	12	50065001	50066000	1000	1	5.90E-07	1.0277717	7	0.7		
DMR12:50072001	12	50072001	50074000	2000	1	1.94E-07	1.3584096	26	1.3		
DMR12:50485001	12	50485001	50488000	3000	1	4.89E-06	0.8700524	15	0.5		
DMR12:50564001	12	50564001	50566000	2000	1	5.44E-07	1.4270083	13	0.65		
DMR12:50884001	12	50884001	50885000	1000	1	8.54E-06	1.0694885	5	0.5		
DMR12:51085001	12	51085001	51086000	1000	1	1.01E-06	1.2840166	4	0.4		
DMR12:51200001	12	51200001	51201000	1000	1	2.43E-08	1.1728534	10	1		
DMR13:1537001	13	1537001	1539000	2000	1	2.38E-07	1.1692881	8	0.4		
DMR13:3832001	13	3832001	3833000	1000	1	4.53E-06	1.1310012	1	0.1		
DMR13:5655001	13	5655001	5656000	1000	1	1.95E-06	1.1161304	2	0.2		
DMR13:6984001	13	6984001	6985000	1000	1	5.73E-08	1.367721	4	0.4	Cntnap5c	
DMR13:14238001	13	14238001	14239000	1000	1	4.20E-07	1.2913389	2	0.2		
DMR13:16329001	13	16329001	16330000	1000	1	7.61E-06	0.9897049	7	0.7	RF00100	
DMR13:19240001	13	19240001	19241000	1000	1	6.08E-06	0.8604193	2	0.2		
DMR13:21521001	13	21521001	21523000	2000	1	8.54E-07	1.17499	5	0.25		
DMR13:22768001	13	22768001	22769000	1000	1	5.41E-07	1.2588821	0	0		
DMR13:25288001	13	25288001	25289000	1000	1	4.87E-06	1.0314957	4	0.4		
DMR13:25321001	13	25321001	25323000	2000	1	5.81E-08	1.3922079	8	0.4		
DMR13:29119001	13	29119001	29120000	1000	1	5.89E-06	1.4653341	0	0		
DMR13:30771001	13	30771001	30772000	1000	1	9.72E-07	1.1796192	4	0.4		
DMR13:35122001	13	35122001	35123000	1000	1	3.08E-06	1.2959392	5	0.5		
DMR13:35905001	13	35905001	35906000	1000	1	6.38E-06	0.8599702	12	1.2		
DMR13:36791001	13	36791001	36792000	1000	1	2.35E-06	0.9583974	3	0.3		
DMR13:37586001	13	37586001	37588000	2000	1	2.42E-07	1.3201156	13	0.65		
DMR13:39788001	13	39788001	39789000	1000	1	3.91E-06	1.0408992	3	0.3		
DMR13:40123001	13	40123001	40125000	2000	1	6.06E-06	1.0866673	4	0.2		
DMR13:41238001	13	41238001	41239000	1000	1	5.84E-06	1.4225776	3	0.3		
DMR13:43081001	13	43081001	43082000	1000	1	1.64E-09	1.0709549	1	0.1		
DMR13:43394001	13	43394001	43395000	1000	1	8.94E-06	1.1249349	2	0.2	AABR07020835.1	
DMR13:44286001	13	44286001	44288000	2000	1	1.42E-06	0.9696095	12	0.6	Tmem163	Unknown
DMR13:48028001	13	48028001	48029000	1000	1	9.10E-07	1.1354889	5	0.5	Rassf5;Ikbke	Signaling
DMR13:50282001	13	50282001	50283000	1000	1	1.23E-08	1.4125189	3	0.3		
DMR13:51243001	13	51243001	51244000	1000	1	8.77E-08	1.4249901	6	0.6	Cyb5r1;Adipor1	Electron Transport;Receptor
DMR13:52627001	13	52627001	52629000	2000	1	5.79E-09	1.2072374	21	1.05	Tnni1	Cytoskeleton
DMR13:52844001	13	52844001	52846000	2000	1	3.16E-06	1.2791429	13	0.65	Igfn1;Tmem9	Extracellular Matrix;Unknown
DMR13:53716001	13	53716001	53717000	1000	1	6.59E-06	1.0728371	5	0.5	AABR07021022.1	

DMR13:55646001	13	55646001	55647000	1000	1	2.56E-06	1.1503576	6	0.6		
DMR13:56512001	13	56512001	56513000	1000	1	7.28E-06	0.9701765	16	1.6	Zbtb41	Transcription
DMR13:58231001	13	58231001	58232000	1000	1	8.17E-06	1.3379335	3	0.3	RF00026	
DMR13:60853001	13	60853001	60854000	1000	1	2.09E-06	1.2247388	9	0.9	Rgs2	Signaling
DMR13:61477001	13	61477001	61478000	1000	1	1.33E-06	1.4128097	3	0.3		
DMR13:61710001	13	61710001	61711000	1000	1	7.48E-07	0.8966653	6	0.6		
DMR13:61899001	13	61899001	61901000	2000	1	7.91E-06	1.2325562	11	0.55		
DMR13:67338001	13	67338001	67340000	2000	1	5.45E-06	-1.1659307	14	0.7		
DMR13:68499001	13	68499001	68501000	2000	1	2.05E-06	1.2868165	6	0.3		
DMR13:70524001	13	70524001	70525000	1000	1	9.38E-07	1.226271	9	0.9	Nmnat2	Metabolism
DMR13:70572001	13	70572001	70574000	2000	2	3.54E-09	1.5479236	12	0.6	Lamc2	Cytoskeleton
DMR13:71157001	13	71157001	71158000	1000	1	6.94E-06	-1.9456608	6	0.6	AABR07021419.1	
DMR13:72523001	13	72523001	72525000	2000	1	6.23E-06	1.0482172	5	0.25		
DMR13:72555001	13	72555001	72556000	1000	1	3.96E-06	1.1076399	4	0.4		
DMR13:73402001	13	73402001	73404000	2000	1	7.47E-06	0.8297068	22	1.1	Lhx4	Transcription
DMR13:76650001	13	76650001	76651000	1000	1	7.75E-06	1.0726779	6	0.6	Pappa2	
DMR13:76663001	13	76663001	76664000	1000	1	1.77E-07	1.0262074	10	1	Pappa2	
DMR13:77883001	13	77883001	77884000	1000	1	4.62E-07	1.3992998	1	0.1	Tnn;AABR07021545.1;AABR07021546.1	Extracellular Matrix
DMR13:78271001	13	78271001	78272000	1000	1	2.26E-06	1.4552998	25	2.5	Rabgap1l	Signaling
DMR13:78484001	13	78484001	78485000	1000	1	5.31E-08	1.5327157	13	1.3	Rabgap1l	Signaling
DMR13:79295001	13	79295001	79296000	1000	1	8.80E-06	0.9518996	6	0.6	Tnfsf4	
DMR13:81805001	13	81805001	81807000	2000	2	5.25E-10	1.5115846	12	0.6		
DMR13:86046001	13	86046001	86047000	1000	1	8.18E-06	1.4316758	4	0.4	Lmx1a	Transcription
DMR13:86594001	13	86594001	86595000	1000	1	1.95E-07	1.530846	6	0.6		
DMR13:86679001	13	86679001	86680000	1000	1	1.75E-06	1.1913224	5	0.5	AABR07021704.1	
DMR13:89271001	13	89271001	89272000	1000	1	3.35E-06	0.9825731	14	1.4	Dusp12	Signaling
DMR13:91047001	13	91047001	91048000	1000	1	2.38E-06	1.0566983	10	1	Crp	
DMR13:92588001	13	92588001	92590000	2000	1	1.98E-07	1.2153051	15	0.75	AABR07021812.1	
DMR13:93859001	13	93859001	93861000	2000	1	8.87E-06	1.0010565	11	0.55	Wdr64;RF00004	
DMR13:93987001	13	93987001	93988000	1000	1	9.58E-06	1.2711759	14	1.4		
DMR13:98630001	13	98630001	98631000	1000	1	5.29E-06	1.126824	11	1.1	Itpkb	Signaling
DMR13:99284001	13	99284001	99286000	2000	1	1.70E-06	0.8844545	20	1	Ephx1	Metabolism
DMR13:102580001	13	102580001	102581000	1000	1	2.54E-06	1.2411252	14	1.4		
DMR13:103710001	13	103710001	103711000	1000	1	8.13E-06	0.9607414	2	0.2	AABR07022037.1	
DMR13:104913001	13	104913001	104914000	1000	1	4.56E-09	1.3310975	6	0.6		
DMR13:105334001	13	105334001	105337000	3000	1	1.43E-07	1.2336133	27	0.9		
DMR13:106803001	13	106803001	106804000	1000	1	4.78E-08	1.420083	7	0.7	Ush2a	Extracellular Matrix
DMR13:107588001	13	107588001	107589000	1000	1	9.71E-06	0.9998901	3	0.3	AABR07072356.1	
DMR13:107783001	13	107783001	107785000	2000	1	1.83E-09	1.1116853	15	0.75	Kcnk2	Transport
DMR13:107833001	13	107833001	107834000	1000	1	8.41E-08	1.1601915	6	0.6	Kcnk2	Transport
DMR13:107950001	13	107950001	107951000	1000	1	1.25E-06	1.1406932	4	0.4		
DMR13:109635001	13	109635001	109636000	1000	1	1.60E-06	-1.6869658	6	0.6	Flvcr1	
DMR13:111286001	13	111286001	111288000	2000	1	5.79E-06	1.0950901	18	0.9	Hhat	Metabolism
DMR13:111369001	13	111369001	111371000	2000	1	5.14E-12	1.5675311	8	0.4	Hhat	Metabolism
DMR13:111936001	13	111936001	111938000	2000	1	2.80E-06	1.1402344	20	1	Hsd11b1	Metabolism
DMR14:3416001	14	3416001	3418000	2000	2	2.32E-07	1.5101368	13	0.65	Brdt	Epigenetic
DMR14:4518001	14	4518001	4519000	1000	1	2.27E-07	1.1281118	9	0.9		
DMR14:6679001	14	6679001	6680000	1000	1	4.68E-08	1.5638351	12	1.2	Spp1	Signaling
DMR14:7300001	14	7300001	7302000	2000	1	2.17E-06	1.1063857	30	1.5	Aff1	Transcription
DMR14:9474001	14	9474001	9475000	1000	1	4.32E-07	1.3669973	11	1.1		
DMR14:9538001	14	9538001	9539000	1000	1	3.72E-06	1.3578608	13	1.3	AABR07014323.1	
DMR14:11033001	14	11033001	11034000	1000	1	4.70E-06	0.8971308	18	1.8		
DMR14:13012001	14	13012001	13013000	1000	1	3.28E-11	1.3840041	3	0.3		
DMR14:13955001	14	13955001	13957000	2000	1	4.02E-06	-1.4076435	13	0.65		
DMR14:15856001	14	15856001	15857000	1000	1	5.24E-06	1.2308848	9	0.9		
DMR14:17504001	14	17504001	17505000	1000	1	7.25E-15	4.2408221	23	2.3	G3bp2	Signaling
DMR14:18948001	14	18948001	18949000	1000	1	7.85E-06	1.0054369	6	0.6	RF00402	
DMR14:20320001	14	20320001	20321000	1000	1	2.26E-06	1.2713376	7	0.7		
DMR14:22058001	14	22058001	22059000	1000	1	1.93E-08	1.0116472	2	0.2		
DMR14:24433001	14	24433001	24435000	2000	1	8.72E-06	1.2774679	14	0.7		
DMR14:25050001	14	25050001	25051000	1000	1	6.97E-06	1.601514	4	0.4		

DMR14:28008001	14	28008001	28009000	1000	1	6.60E-06	0.9418148	4	0.4		
DMR14:32530001	14	32530001	32531000	1000	1	7.20E-06	1.4921548	9	0.9		
DMR14:34312001	14	34312001	34314000	2000	1	8.04E-06	1.15239	17	0.85		
DMR14:35214001	14	35214001	35215000	1000	1	1.71E-06	1.0122322	8	0.8		
DMR14:35849001	14	35849001	35850000	1000	1	9.90E-06	1.1563176	2	0.2		
DMR14:37626001	14	37626001	37627000	1000	1	5.53E-06	1.4642423	4	0.4	Fryl	
DMR14:38094001	14	38094001	38095000	1000	1	3.58E-06	1.0819051	6	0.6	Txk;Nipal1	Signaling
DMR14:38225001	14	38225001	38226000	1000	1	8.61E-06	1.1116698	6	0.6	Nfxl1	Transcription
DMR14:38714001	14	38714001	38715000	1000	1	9.07E-06	0.9542002	1	0.1	Gabrb1	Receptor
DMR14:43087001	14	43087001	43089000	2000	1	3.31E-08	1.1258454	13	0.65		
DMR14:43283001	14	43283001	43284000	1000	1	7.01E-06	-1.2888626	7	0.7		
DMR14:44001001	14	44001001	44002000	1000	1	4.50E-06	1.0425196	5	0.5	Rhoh	Signaling
DMR14:44487001	14	44487001	44488000	1000	1	1.10E-06	1.2753606	13	1.3	Ugdh	Metabolism
DMR14:46429001	14	46429001	46431000	2000	2	1.43E-06	1.7938765	3	0.15		
DMR14:46920001	14	46920001	46921000	1000	1	2.54E-06	1.1524981	6	0.6		
DMR14:47037001	14	47037001	47038000	1000	1	2.13E-07	2.0459881	2	0.2		
DMR14:52933001	14	52933001	52934000	1000	1	1.14E-06	1.3260718	1	0.1		
DMR14:54565001	14	54565001	54567000	2000	1	4.53E-06	1.2165968	8	0.4		
DMR14:54732001	14	54732001	54733000	1000	1	1.67E-10	1.7219927	71	7.1		
DMR14:54777001	14	54777001	54778000	1000	1	6.33E-06	1.191227	12	1.2		
DMR14:56482001	14	56482001	56483000	1000	1	6.80E-06	0.9678264	7	0.7		
DMR14:56820001	14	56820001	56821000	1000	1	6.54E-06	1.4316894	4	0.4		
DMR14:59084001	14	59084001	59086000	2000	1	5.24E-07	1.1663107	31	1.55		
DMR14:59901001	14	59901001	59902000	1000	1	3.84E-08	1.3619244	4	0.4		
DMR14:60963001	14	60963001	60965000	2000	1	1.42E-07	1.2764722	26	1.3	Sod3	Metabolism
DMR14:63241001	14	63241001	63242000	1000	1	1.14E-07	1.5592948	5	0.5		
DMR14:63262001	14	63262001	63263000	1000	1	5.21E-06	1.3072733	1	0.1		
DMR14:63503001	14	63503001	63505000	2000	2	2.39E-07	1.3716644	7	0.35		
DMR14:63902001	14	63902001	63903000	1000	1	8.22E-06	1.0797735	2	0.2		
DMR14:64563001	14	64563001	64565000	2000	1	4.89E-06	1.1789459	8	0.4		
DMR14:64574001	14	64574001	64576000	2000	1	2.80E-06	1.1875259	13	0.65		
DMR14:70843001	14	70843001	70844000	1000	1	1.32E-07	1.3402494	1	0.1	Ldb2	Transcription
DMR14:78556001	14	78556001	78557000	1000	1	1.76E-06	-1.3377415	12	1.2	AABR07015814.1	
DMR14:80039001	14	80039001	80041000	2000	1	1.43E-07	1.4163875	8	0.4	Ablim2	Cytoskeleton
DMR14:80161001	14	80161001	80162000	1000	1	5.99E-06	1.0924825	9	0.9	Ablim2	Cytoskeleton
DMR14:83026001	14	83026001	83028000	2000	1	3.03E-07	1.2715665	20	1		
DMR14:84842001	14	84842001	84845000	3000	2	2.58E-06	1.5440518	34	1.133	RF00026	
DMR14:86974001	14	86974001	86977000	3000	1	1.67E-06	1.0888867	32	1.067	RF00015;AABR07015941.2	
DMR14:87204001	14	87204001	87205000	1000	1	7.78E-07	1.097077	10	1		
DMR14:88150001	14	88150001	88152000	2000	1	7.62E-06	1.0813778	5	0.25	RF00066	
DMR14:89079001	14	89079001	89080000	1000	1	9.02E-06	1.3455592	7	0.7	Pkd1l1	Signaling
DMR14:89490001	14	89490001	89491000	1000	1	4.35E-06	1.2426524	4	0.4	Abca13	Transport
DMR14:90508001	14	90508001	90510000	2000	1	1.67E-07	1.8553359	37	1.85		
DMR14:90649001	14	90649001	90650000	1000	1	5.41E-06	1.140485	4	0.4		
DMR14:90994001	14	90994001	90995000	1000	1	7.54E-08	1.215824	8	0.8		
DMR14:91779001	14	91779001	91781000	2000	1	1.75E-08	1.2235606	10	0.5	Ikzf1	Transcription
DMR14:92725001	14	92725001	92727000	2000	1	8.96E-07	1.2418555	4	0.2		
DMR14:99832001	14	99832001	99834000	2000	1	3.80E-07	1.4068114	11	0.55		
DMR14:103352001	14	103352001	103353000	1000	1	9.88E-09	1.193539	6	0.6	AABR07016556.1	
DMR14:103684001	14	103684001	103685000	1000	1	4.00E-06	1.0706979	9	0.9		
DMR14:103837001	14	103837001	103839000	2000	1	5.54E-08	1.3956486	24	1.2		
DMR14:104723001	14	104723001	104724000	1000	1	3.01E-06	1.0600576	21	2.1	AABR07016572.1	
DMR14:109839001	14	109839001	109841000	2000	1	9.16E-06	1.2554449	21	1.05		
DMR14:110865001	14	110865001	110867000	2000	1	4.89E-09	1.0346318	17	0.85	Vrk2	Signaling
DMR14:112172001	14	112172001	112173000	1000	1	9.47E-07	1.5508219	1	0.1		
DMR14:112364001	14	112364001	112365000	1000	1	1.72E-06	1.3931504	2	0.2		
DMR15:181001	15	181001	182000	1000	1	7.21E-06	-0.9585022	11	1.1	Dlg5	Extracellular Matrix
DMR15:201001	15	201001	202000	1000	1	8.17E-06	-1.8520809	12	1.2	Dlg5	Extracellular Matrix
DMR15:400001	15	400001	402000	2000	1	1.06E-07	1.1800786	13	0.65	Kcnma1	Metabolism
DMR15:456001	15	456001	457000	1000	1	9.10E-06	1.6824214	7	0.7	Kcnma1	Metabolism
DMR15:4446001	15	4446001	4448000	2000	1	2.48E-06	1.0231275	20	1	Nudt13	Metabolism
DMR15:4746001	15	4746001	4747000	1000	1	1.12E-06	1.1611979	16	1.6		
DMR15:6362001	15	6362001	6363000	1000	1	5.89E-06	1.2883426	1	0.1	Zfp385d	Transcription

DMR15:6658001	15	6658001	6659000	1000	1	9.33E-06	1.4361765	5	0.5		
DMR15:8553001	15	8553001	8554000	1000	1	3.14E-06	1.2329838	1	0.1		
DMR15:10666001	15	10666001	10667000	1000	1	5.24E-06	1.1428884	10	1		
DMR15:13430001	15	13430001	13433000	3000	1	2.21E-06	1.2637334	25	0.833		
DMR15:16960001	15	16960001	16962000	2000	1	8.55E-06	1.221238	12	0.6		
DMR15:18364001	15	18364001	18365000	1000	1	1.16E-06	1.2937033	11	1.1	Fam3d	Unknown
DMR15:20501001	15	20501001	20502000	1000	1	8.46E-06	0.9490125	3	0.3		
DMR15:23893001	15	23893001	23897000	4000	1	2.76E-06	1.1524756	69	1.725		
DMR15:25242001	15	25242001	25243000	1000	1	7.11E-06	1.5667365	17	1.7		
DMR15:25987001	15	25987001	25988000	1000	1	6.15E-07	1.1078756	8	0.8		
DMR15:26565001	15	26565001	26567000	2000	1	6.43E-10	1.5802947	13	0.65		
DMR15:28094001	15	28094001	28095000	1000	1	1.37E-08	1.2983113	2	0.2	Eddm3b;Ang2	Signaling;Transcription
DMR15:28558001	15	28558001	28559000	1000	1	7.00E-08	1.1824203	9	0.9	AABR07072449.1	
DMR15:30844001	15	30844001	30845000	1000	1	1.85E-06	1.0981071	8	0.8	AABR07017768.7;AABR07017768.4	
DMR15:33168001	15	33168001	33170000	2000	1	2.48E-07	1.8290079	16	0.8	Prmt5	Signaling
DMR15:33673001	15	33673001	33674000	1000	1	7.78E-07	1.1622144	5	0.5	Ngdn	
DMR15:34123001	15	34123001	34125000	2000	1	1.40E-06	1.219761	12	0.6		
DMR15:34449001	15	34449001	34450000	1000	1	9.29E-08	1.5305268	12	1.2	Nop9;Cideb;Ltb4r2;Ltb4r;Adcy4	Unknown;Receptor;Metabolism
DMR15:38790001	15	38790001	38791000	1000	1	1.35E-06	1.0348762	4	0.4		
DMR15:41481001	15	41481001	41485000	4000	1	4.26E-06	0.9590811	9	0.225	Sacs	
DMR15:44169001	15	44169001	44171000	2000	1	4.46E-06	1.1303083	11	0.55		
DMR15:45744001	15	45744001	45745000	1000	1	5.69E-07	1.3599366	5	0.5	Fam124a	
DMR15:46628001	15	46628001	46629000	1000	1	7.65E-06	-1.2998854	26	2.6	Fam167a	
DMR15:51888001	15	51888001	51890000	2000	1	4.09E-08	1.5719235	7	0.35	Sorbs3;Ppp3cc	Cytoskeleton;Signaling
DMR15:53041001	15	53041001	53042000	1000	1	4.97E-06	1.0436021	8	0.8		
DMR15:53672001	15	53672001	53673000	1000	1	2.16E-07	1.1677971	3	0.3		
DMR15:53811001	15	53811001	53812000	1000	1	2.93E-06	1.4753212	1	0.1		
DMR15:53897001	15	53897001	53898000	1000	1	4.85E-06	1.2788688	1	0.1		
DMR15:55511001	15	55511001	55512000	1000	1	1.07E-07	1.2259974	15	1.5	Suca2;RF00015	Metabolism
DMR15:57730001	15	57730001	57731000	1000	1	3.54E-09	1.491785	6	0.6		
DMR15:61233001	15	61233001	61234000	1000	1	2.99E-06	1.0285871	10	1		
DMR15:61858001	15	61858001	61859000	1000	1	1.37E-11	1.4405286	4	0.4	Elf1	Transcription
DMR15:62937001	15	62937001	62938000	1000	1	1.02E-06	0.9996433	2	0.2		
DMR15:63652001	15	63652001	63654000	2000	1	9.09E-06	1.3237019	3	0.15		
DMR15:65601001	15	65601001	65602000	1000	1	5.40E-06	1.1134695	8	0.8		
DMR15:65715001	15	65715001	65716000	1000	1	4.36E-06	1.0972487	7	0.7		
DMR15:67487001	15	67487001	67488000	1000	1	3.86E-06	1.3567206	5	0.5		
DMR15:67672001	15	67672001	67673000	1000	1	8.24E-07	1.3511853	24	2.4		
DMR15:67693001	15	67693001	67694000	1000	1	3.00E-08	1.315017	3	0.3		
DMR15:69386001	15	69386001	69388000	2000	1	1.76E-07	1.3554165	6	0.3		
DMR15:69456001	15	69456001	69458000	2000	1	4.55E-06	1.3168267	9	0.45		
DMR15:69647001	15	69647001	69648000	1000	1	7.86E-06	1.1723838	0	0		
DMR15:71939001	15	71939001	71941000	2000	1	6.73E-06	1.2147976	8	0.4		
DMR15:74514001	15	74514001	74516000	2000	1	2.41E-06	1.0789207	9	0.45		
DMR15:74928001	15	74928001	74929000	1000	1	3.24E-06	1.2682976	5	0.5		
DMR15:76828001	15	76828001	76831000	3000	1	6.05E-06	1.1518363	28	0.933		
DMR15:77151001	15	77151001	77152000	1000	1	1.87E-06	1.4075946	10	1		
DMR15:77959001	15	77959001	77961000	2000	1	3.99E-06	1.3174643	10	0.5		
DMR15:80616001	15	80616001	80617000	1000	1	4.75E-06	1.0917936	3	0.3	Klhl1	Cytoskeleton
DMR15:84328001	15	84328001	84329000	1000	1	9.74E-07	1.1213575	2	0.2	Klf12	Transcription
DMR15:86821001	15	86821001	86823000	2000	1	1.99E-06	0.9341982	6	0.3	RF00560	
DMR15:87376001	15	87376001	87377000	1000	1	2.45E-06	-1.1511944	8	0.8		
DMR15:88106001	15	88106001	88107000	1000	1	4.33E-06	-1.168525	5	0.5	Mycbp2	Metabolism
DMR15:89022001	15	89022001	89023000	1000	1	6.78E-06	1.0935424	3	0.3	Mycbp2;AABR07019099.1	Metabolism
DMR15:89218001	15	89218001	89221000	3000	1	6.10E-06	1.1500488	31	1.033	Mycbp2	Metabolism
DMR15:90029001	15	90029001	90031000	2000	1	8.61E-06	-1.1294577	18	0.9	Mycbp2	Metabolism
DMR15:90963001	15	90963001	90965000	2000	1	2.43E-06	1.3310807	8	0.4	Mycbp2	Metabolism
DMR15:91578001	15	91578001	91580000	2000	2	7.83E-07	1.1465707	5	0.25	Mycbp2	Metabolism
DMR15:95496001	15	95496001	95497000	1000	1	1.46E-06	0.9998708	1	0.1		
DMR15:96613001	15	96613001	96614000	1000	1	4.25E-06	1.1670236	5	0.5	AABR07019253.1	
DMR15:96671001	15	96671001	96672000	1000	1	5.73E-06	1.2100876	7	0.7		

DMR15:96856001	15	96856001	96860000	4000	1	4.30E-11	1.5752033	25	0.625		
DMR15:97895001	15	97895001	97897000	2000	1	3.96E-06	1.3057302	2	0.1		
DMR15:98445001	15	98445001	98447000	2000	1	9.41E-08	1.1547704	11	0.55		
DMR15:100223001	15	100223001	100224000	1000	1	1.09E-06	1.206885	19	1.9		
DMR15:100369001	15	100369001	100370000	1000	1	1.86E-06	1.2964768	4	0.4		
DMR15:103270001	15	103270001	103271000	1000	1	5.81E-08	1.2483949	6	0.6		
DMR15:103776001	15	103776001	103777000	1000	1	3.97E-07	1.2594224	9	0.9	Abcc4	Receptor
DMR15:103942001	15	103942001	103943000	1000	1	4.07E-06	1.1357651	11	1.1		
DMR15:106360001	15	106360001	106361000	1000	1	6.28E-07	1.1644952	4	0.4		
DMR15:106781001	15	106781001	106782000	1000	1	6.98E-06	0.9230927	6	0.6		
DMR16:1257001	16	1257001	1258000	1000	1	5.71E-06	0.7941797	13	1.3		
DMR16:1428001	16	1428001	1429000	1000	1	1.39E-06	1.1185962	12	1.2		
DMR16:1844001	16	1844001	1847000	3000	1	1.71E-07	1.2096419	7	0.233	Zmiz1	Metabolism
DMR16:2017001	16	2017001	2019000	2000	1	5.24E-07	1.4379195	19	0.95	Zcchc24	
DMR16:3400001	16	3400001	3401000	1000	1	3.40E-06	1.076994	2	0.2	Erc2	Cytoskeleton
DMR16:3763001	16	3763001	3764000	1000	1	6.47E-06	1.3548516	2	0.2	Dux4	
DMR16:4183001	16	4183001	4184000	1000	1	9.39E-08	1.2145737	2	0.2		
DMR16:5853001	16	5853001	5855000	2000	1	4.46E-06	0.9964471	22	1.1		
DMR16:9409001	16	9409001	9410000	1000	1	2.54E-11	1.4452654	5	0.5	Wdfy4	
DMR16:9685001	16	9685001	9686000	1000	1	5.05E-07	1.1863043	4	0.4	Mapk8	Signaling
DMR16:12543001	16	12543001	12544000	1000	1	7.60E-06	1.2113047	5	0.5	AABR07024718.1	
DMR16:12834001	16	12834001	12836000	2000	1	1.26E-06	1.1240633	16	0.8		
DMR16:14539001	16	14539001	14540000	1000	1	1.55E-08	1.386208	4	0.4		
DMR16:14757001	16	14757001	14758000	1000	1	2.29E-07	1.3142662	6	0.6		
DMR16:15430001	16	15430001	15431000	1000	1	4.92E-06	1.2079528	2	0.2		
DMR16:16825001	16	16825001	16826000	1000	1	6.54E-06	1.1378974	6	0.6		
DMR16:16944001	16	16944001	16945000	1000	1	7.87E-07	1.1649625	4	0.4	AABR07024795.1	
DMR16:20064001	16	20064001	20066000	2000	1	8.84E-06	1.0768246	20	1	Unc13a	Receptor
DMR16:20234001	16	20234001	20235000	1000	1	2.17E-06	1.0692235	4	0.4	AABR07024870.1	
DMR16:21239001	16	21239001	21240000	1000	1	3.41E-06	0.9964477	7	0.7	Gatad2a	Transcription
DMR16:21742001	16	21742001	21744000	2000	1	1.14E-06	0.7857848	8	0.4		
DMR16:22382001	16	22382001	22383000	1000	1	8.86E-07	1.3163741	7	0.7	Slc18a1	Transport
DMR16:25525001	16	25525001	25526000	1000	1	4.22E-06	0.9317813	18	1.8		
DMR16:27053001	16	27053001	27055000	2000	1	2.03E-06	1.4464421	15	0.75		
DMR16:27417001	16	27417001	27418000	1000	1	4.75E-06	1.3629721	2	0.2	Tll1	Protease
DMR16:27977001	16	27977001	27978000	1000	1	3.85E-07	1.1588411	7	0.7		
DMR16:32278001	16	32278001	32279000	1000	1	6.03E-06	1.055935	16	1.6		
DMR16:33089001	16	33089001	33090000	1000	1	1.85E-08	1.4856469	1	0.1		
DMR16:39491001	16	39491001	39492000	1000	1	5.72E-07	1.2706613	2	0.2	Gpm6a	Cytoskeleton
DMR16:40925001	16	40925001	40927000	2000	1	4.03E-08	1.1126435	1	0.05		
DMR16:41056001	16	41056001	41057000	1000	1	2.11E-06	1.1046108	1	0.1		
DMR16:43155001	16	43155001	43156000	1000	1	2.20E-12	1.4751491	3	0.3		
DMR16:45177001	16	45177001	45178000	1000	1	1.66E-07	1.6202426	2	0.2		
DMR16:45516001	16	45516001	45518000	2000	1	5.72E-07	1.0693328	12	0.6		
DMR16:45695001	16	45695001	45696000	1000	1	5.93E-07	1.094775	2	0.2		
DMR16:48883001	16	48883001	48885000	2000	1	3.49E-06	1.0103641	13	0.65	Primpol	
DMR16:49838001	16	49838001	49840000	2000	1	8.31E-06	1.1921147	11	0.55		
DMR16:50666001	16	50666001	50669000	3000	1	3.31E-07	1.0728515	9	0.3		
DMR16:50724001	16	50724001	50725000	1000	1	1.64E-06	-1.2564105	12	1.2		
DMR16:50753001	16	50753001	50755000	2000	1	8.26E-07	1.1238283	8	0.4		
DMR16:53050001	16	53050001	53051000	1000	1	7.10E-06	1.3468103	1	0.1		
DMR16:54323001	16	54323001	54324000	1000	1	3.24E-10	1.1058912	6	0.6	Mtus1	
DMR16:54872001	16	54872001	54874000	2000	1	1.29E-06	1.0550547	9	0.45	Vps37a	
DMR16:56583001	16	56583001	56584000	1000	1	8.25E-06	1.1467643	4	0.4		
DMR16:57044001	16	57044001	57045000	1000	1	4.43E-06	1.2694986	5	0.5		
DMR16:57672001	16	57672001	57674000	2000	1	9.28E-07	1.5166361	5	0.25		
DMR16:60211001	16	60211001	60212000	1000	1	9.47E-06	1.3262754	3	0.3	Mfhas1	Unknown
DMR16:61368001	16	61368001	61370000	2000	1	2.44E-06	1.9260284	18	0.9		
DMR16:61611001	16	61611001	61612000	1000	1	5.56E-08	1.2879327	5	0.5		
DMR16:63356001	16	63356001	63357000	1000	1	7.29E-06	1.060737	6	0.6		
DMR16:65197001	16	65197001	65199000	2000	1	2.76E-07	0.8550343	11	0.55	AABR07026137.1	
DMR16:68688001	16	68688001	68689000	1000	1	9.96E-06	-1.3991722	16	1.6	AABR07026236.1	
DMR16:68841001	16	68841001	68842000	1000	1	1.85E-06	1.0670503	7	0.7	Poteg	



DMR16:70544001	16	70544001	70545000	1000	1	3.11E-07	1.3487809	10	1		
DMR16:71869001	16	71869001	71870000	1000	1	1.11E-08	1.266692	4	0.4	Adam9	Protease
DMR16:72241001	16	72241001	72244000	3000	1	6.23E-06	1.0449045	21	0.7		
DMR16:73275001	16	73275001	73276000	1000	1	9.17E-06	0.9011564	7	0.7		
DMR16:76115001	16	76115001	76116000	1000	1	3.66E-06	1.6509376	11	1.1	Mcph1	DNA Repair
DMR16:77377001	16	77377001	77379000	2000	1	1.47E-06	1.1289602	12	0.6		
DMR16:77450001	16	77450001	77451000	1000	1	7.34E-06	1.2342968	2	0.2		
DMR16:78181001	16	78181001	78182000	1000	1	2.27E-08	1.5918265	3	0.3		
DMR16:79095001	16	79095001	79097000	2000	1	9.32E-07	1.3112839	15	0.75		
DMR16:81597001	16	81597001	81598000	1000	1	2.41E-08	1.4922349	4	0.4	Tmco3;NEWGENE_1582994;RF00026	Transport
DMR16:82338001	16	82338001	82341000	3000	1	5.28E-08	1.2511637	29	0.967	AABR07072528.2;AABR07072528.4	
DMR16:82368001	16	82368001	82370000	2000	1	2.21E-08	1.4296205	35	1.75	AABR07072528.1	
DMR16:82749001	16	82749001	82751000	2000	1	4.86E-06	1.0214166	24	1.2		
DMR16:82971001	16	82971001	82972000	1000	1	5.59E-06	1.9149814	4	0.4		
DMR16:84031001	16	84031001	84032000	1000	1	1.32E-08	1.3750804	6	0.6		
DMR16:84562001	16	84562001	84563000	1000	1	8.20E-08	1.2333141	14	1.4		
DMR16:84615001	16	84615001	84617000	2000	1	3.77E-06	1.264844	16	0.8	Myo16	Cytoskeleton
DMR16:84653001	16	84653001	84657000	4000	1	3.83E-06	1.0007878	52	1.3	Myo16	Cytoskeleton
DMR16:85857001	16	85857001	85858000	1000	1	3.34E-06	0.9539403	4	0.4		
DMR16:86159001	16	86159001	86161000	2000	1	4.34E-06	1.1713532	17	0.85		
DMR16:87287001	16	87287001	87288000	1000	1	5.16E-06	1.1077961	2	0.2		
DMR16:87493001	16	87493001	87494000	1000	1	3.99E-07	1.5845213	3	0.3	AABR07026641.1	
DMR16:88186001	16	88186001	88187000	1000	1	1.00E-07	1.2463525	4	0.4		
DMR17:1471001	17	1471001	1473000	2000	1	5.48E-06	1.4800333	25	1.25		
DMR17:1886001	17	1886001	1888000	2000	2	9.36E-09	1.3743017	8	0.4	Ctsl	Proteolysis
DMR17:2399001	17	2399001	2400000	1000	1	3.63E-12	1.8903658	5	0.5		
DMR17:3004001	17	3004001	3005000	1000	1	4.82E-07	0.9635964	2	0.2		
DMR17:3306001	17	3306001	3308000	2000	1	2.20E-06	1.1049557	24	1.2		
DMR17:3722001	17	3722001	3725000	3000	1	1.18E-06	0.7981011	23	0.767	AABR07026893.1	
DMR17:4210001	17	4210001	4211000	1000	1	5.59E-07	1.1968623	6	0.6	Testin	
DMR17:4626001	17	4626001	4627000	1000	1	4.67E-07	1.2151674	9	0.9		
DMR17:4705001	17	4705001	4706000	1000	1	3.71E-07	1.2341565	6	0.6	AABR07026912.1	
DMR17:5353001	17	5353001	5356000	3000	1	6.23E-07	1.1752784	20	0.667	Spata31d3;LOC100912252	
DMR17:6546001	17	6546001	6547000	1000	1	7.68E-06	-1.0568805	19	1.9		
DMR17:6610001	17	6610001	6611000	1000	1	4.02E-06	-1.7850423	3	0.3		
DMR17:9057001	17	9057001	9061000	4000	1	8.12E-09	1.2443484	88	2.2	RF00026	
DMR17:10576001	17	10576001	10579000	3000	1	4.25E-06	1.2155344	57	1.9	Arl10;AABR07027009.1;LOC306766	Signaling;Unknown
DMR17:14638001	17	14638001	14639000	1000	1	2.30E-06	1.0026177	6	0.6	Omd	Cytoskeleton
DMR17:15765001	17	15765001	15767000	2000	1	2.36E-06	1.1736277	36	1.8	Fgd3	
DMR17:16627001	17	16627001	16629000	2000	1	8.33E-06	1.1890179	29	1.45		
DMR17:17061001	17	17061001	17063000	2000	1	7.81E-10	1.4262124	17	0.85		
DMR17:17360001	17	17360001	17361000	1000	1	4.00E-06	1.0332177	16	1.6		
DMR17:17771001	17	17771001	17773000	2000	1	4.90E-07	1.1641296	12	0.6		
DMR17:18469001	17	18469001	18470000	1000	1	2.34E-06	1.5031779	9	0.9	Cap2	Cytoskeleton
DMR17:18711001	17	18711001	18712000	1000	1	4.45E-06	1.3832133	3	0.3		
DMR17:18973001	17	18973001	18975000	2000	1	1.15E-07	1.4069431	17	0.85		
DMR17:19414001	17	19414001	19417000	3000	1	4.84E-11	1.3927934	24	0.8	Atxn1	Transcription
DMR17:19523001	17	19523001	19525000	2000	1	4.98E-06	0.9452516	19	0.95	Atxn1	Transcription
DMR17:22429001	17	22429001	22431000	2000	2	2.60E-06	1.2043978	22	1.1		
DMR17:22813001	17	22813001	22817000	4000	1	9.30E-07	1.1895067	62	1.55	AABR07027283.1	
DMR17:24283001	17	24283001	24287000	4000	1	7.48E-06	1.2749814	39	0.975	Rnf182	
DMR17:34782001	17	34782001	34784000	2000	1	9.22E-06	1.2161652	11	0.55	Exoc2	
DMR17:35930001	17	35930001	35932000	2000	1	6.51E-06	1.0418972	23	1.15	Agtr1a	Receptor
DMR17:36075001	17	36075001	36076000	1000	1	2.25E-09	1.4867625	0	0	Mboat1	Metabolism
DMR17:36446001	17	36446001	36447000	1000	1	7.41E-07	1.1040358	4	0.4	AABR07027545.1;AABR07027567.1	
DMR17:39320001	17	39320001	39322000	2000	1	4.98E-06	1.2759116	5	0.25	Pr18a5	
DMR17:40629001	17	40629001	40630000	1000	1	7.65E-10	1.6920911	3	0.3		
DMR17:43163001	17	43163001	43164000	1000	1	4.56E-08	1.2638443	0	0	Carmil1	

DMR17:44821001	17	44821001	44822000	1000	1	5.68E-06	1.0169952	2	0.2	RGD1562378	
DMR17:49759001	17	49759001	49760000	1000	1	2.01E-06	1.0392819	0	0		
DMR17:52247001	17	52247001	52249000	2000	1	2.57E-06	1.493739	11	0.55		
DMR17:54565001	17	54565001	54569000	4000	1	5.07E-06	1.0137895	21	0.525		
DMR17:54612001	17	54612001	54613000	1000	1	1.01E-07	1.2015634	5	0.5		
DMR17:54714001	17	54714001	54715000	1000	1	9.68E-08	1.115471	11	1.1	Zeb1	Transcription
DMR17:54893001	17	54893001	54894000	1000	1	1.53E-07	1.3544568	4	0.4		
DMR17:55280001	17	55280001	55282000	2000	1	1.21E-06	1.2478498	18	0.9	Svil	Cytoskeleton
DMR17:55597001	17	55597001	55598000	1000	1	9.68E-06	1.2061287	2	0.2		
DMR17:55614001	17	55614001	55616000	2000	1	4.32E-06	1.3493692	21	1.05		
DMR17:59538001	17	59538001	59539000	1000	1	2.73E-06	1.0279256	4	0.4		
DMR17:60463001	17	60463001	60465000	2000	1	1.33E-07	1.2435524	7	0.35	Armc4	
DMR17:64003001	17	64003001	64004000	1000	1	1.01E-07	1.1215872	6	0.6	Chrm3	Receptor
DMR17:64897001	17	64897001	64900000	3000	1	5.79E-06	0.9904001	12	0.4		
DMR17:65580001	17	65580001	65581000	1000	1	6.19E-07	1.2182415	5	0.5	Ryr2	Receptor
DMR17:66121001	17	66121001	66123000	2000	1	8.46E-06	1.1528575	28	1.4		
DMR17:66837001	17	66837001	66838000	1000	1	7.37E-06	1.0925111	2	0.2		
DMR17:66981001	17	66981001	66983000	2000	1	5.46E-06	1.2241591	17	0.85		
DMR17:67738001	17	67738001	67739000	1000	1	7.05E-07	1.2054981	4	0.4		
DMR17:69602001	17	69602001	69603000	1000	1	2.25E-07	1.052062	5	0.5	Akr1c12l1	Metabolism
DMR17:70554001	17	70554001	70556000	2000	1	9.33E-07	1.2823752	17	0.85	Il2ra	Receptor
DMR17:71124001	17	71124001	71125000	1000	1	2.25E-07	1.2053719	1	0.1		
DMR17:72872001	17	72872001	72874000	2000	1	3.47E-06	1.0489365	16	0.8		
DMR17:73330001	17	73330001	73331000	1000	1	9.03E-06	1.052984	10	1	AABR07028523.1	
DMR17:75915001	17	75915001	75916000	1000	1	6.95E-06	1.0620164	1	0.1		
DMR17:76302001	17	76302001	76304000	2000	1	9.22E-06	1.3470222	21	1.05	AC141220.1;Dhtkd1;AC141220.4	Metabolism
DMR17:78691001	17	78691001	78694000	3000	1	3.62E-06	1.3799515	25	0.833		
DMR17:81281001	17	81281001	81283000	2000	1	5.91E-06	1.0767991	19	0.95	Tmem236	
DMR17:82445001	17	82445001	82447000	2000	1	1.53E-06	1.233536	6	0.3	Malrd1	
DMR17:84399001	17	84399001	84401000	2000	1	3.85E-06	-1.0756148	23	1.15	Nebi	Cytoskeleton
DMR17:87404001	17	87404001	87406000	2000	1	5.05E-06	1.195375	16	0.8	Etl4	Unknown
DMR18:2833001	18	2833001	2834000	1000	1	6.98E-06	0.9879525	5	0.5		
DMR18:4529001	18	4529001	4530000	1000	1	1.49E-06	-1.2682069	2	0.2		
DMR18:5381001	18	5381001	5382000	1000	1	5.14E-07	1.3152562	9	0.9		
DMR18:6339001	18	6339001	6341000	2000	1	2.79E-06	1.6440784	26	1.3		
DMR18:8367001	18	8367001	8368000	1000	1	2.52E-08	1.8398371	4	0.4	Cdh2	Extracellular Matrix
DMR18:8422001	18	8422001	8424000	2000	1	7.29E-06	0.9827742	9	0.45		
DMR18:10759001	18	10759001	10760000	1000	1	1.65E-06	1.0905383	5	0.5		
DMR18:12480001	18	12480001	12482000	2000	1	1.48E-06	1.1251585	18	0.9		
DMR18:13487001	18	13487001	13488000	1000	1	4.23E-07	1.1548938	3	0.3	Asxl3	
DMR18:16233001	18	16233001	16234000	1000	1	3.14E-06	1.3874031	2	0.2		
DMR18:17176001	18	17176001	17178000	2000	1	2.72E-07	1.3324646	10	0.5	Fhod3;AABR07031521.2	Cytoskeleton
DMR18:17710001	18	17710001	17711000	1000	1	5.95E-06	1.1238949	6	0.6	Celf4	Transcription
DMR18:21543001	18	21543001	21545000	2000	1	6.72E-07	1.2931786	7	0.35		
DMR18:21881001	18	21881001	21882000	1000	1	4.94E-06	1.3613325	2	0.2		
DMR18:22530001	18	22530001	22531000	1000	1	1.39E-06	1.2084834	3	0.3		
DMR18:23171001	18	23171001	23172000	1000	1	2.30E-06	0.9982059	2	0.2	RF00560	
DMR18:23272001	18	23272001	23274000	2000	1	8.59E-07	1.2514519	13	0.65		
DMR18:24663001	18	24663001	24664000	1000	1	3.34E-07	0.9899586	13	1.3	Wdr33	Unknown
DMR18:24845001	18	24845001	24847000	2000	1	8.92E-06	1.273147	6	0.3	lws1	
DMR18:25146001	18	25146001	25147000	1000	1	4.61E-07	1.1140426	11	1.1		
DMR18:25424001	18	25424001	25425000	1000	1	4.59E-06	1.1903746	4	0.4		
DMR18:26600001	18	26600001	26601000	1000	1	1.21E-06	1.2180102	9	0.9	Epb41l4a	
DMR18:31953001	18	31953001	31954000	1000	1	6.32E-06	1.1455041	14	1.4	Arhgap26	Signaling
DMR18:32205001	18	32205001	32206000	1000	1	4.46E-06	1.2293873	3	0.3	Arhgap26	Signaling
DMR18:38963001	18	38963001	38964000	1000	1	7.73E-07	1.2881544	1	0.1		
DMR18:43376001	18	43376001	43377000	1000	1	8.93E-07	1.1971591	2	0.2		
DMR18:47941001	18	47941001	47943000	2000	1	2.07E-06	-1.3236178	37	1.85		
DMR18:47946001	18	47946001	47947000	1000	1	6.06E-06	1.2743316	7	0.7	AABR07032123.2	
DMR18:52547001	18	52547001	52548000	1000	1	5.65E-06	1.0554999	7	0.7	Ctnx3	
DMR18:52557001	18	52557001	52558000	1000	1	2.65E-06	1.0783658	7	0.7	Ctnx3	
DMR18:52880001	18	52880001	52882000	2000	1	8.97E-06	1.2004926	16	0.8		

DMR18:53686001	18	53686001	53687000	1000	1	3.16E-07	1.3526585	5	0.5		
DMR18:53978001	18	53978001	53980000	2000	1	6.19E-06	1.1016252	9	0.45	Adamts19	Proteolysis
DMR18:56335001	18	56335001	56336000	1000	1	8.43E-07	1.2592591	3	0.3	Slc6a7;Cdx1	Metabolism;Transcription
DMR18:59473001	18	59473001	59474000	1000	1	1.37E-08	1.280738	5	0.5	AABR07032277.1	
DMR18:59926001	18	59926001	59928000	2000	1	1.95E-06	1.0951271	22	1.1		
DMR18:62271001	18	62271001	62274000	3000	1	1.77E-06	1.1665912	27	0.9	RF00560	
DMR18:62508001	18	62508001	62509000	1000	1	6.17E-06	1.308905	8	0.8		
DMR18:63103001	18	63103001	63104000	1000	1	2.90E-08	1.3503872	7	0.7	Cidea	Unknown
DMR18:63448001	18	63448001	63449000	1000	1	2.51E-06	1.3515618	7	0.7	Ptpn2	Signaling
DMR18:64673001	18	64673001	64674000	1000	1	1.14E-07	1.4289385	3	0.3		
DMR18:65028001	18	65028001	65029000	1000	1	4.79E-06	1.0169294	8	0.8		
DMR18:65658001	18	65658001	65659000	1000	1	5.87E-07	1.0303881	4	0.4		
DMR18:65903001	18	65903001	65904000	1000	1	5.84E-07	1.2316426	5	0.5		
DMR18:68066001	18	68066001	68067000	1000	1	7.47E-06	1.2768624	2	0.2		
DMR18:68520001	18	68520001	68521000	1000	1	8.12E-09	1.4813008	5	0.5	Rab27b	Signaling
DMR18:69871001	18	69871001	69872000	1000	1	6.09E-06	0.9059908	0	0	AABR07032520.3	
DMR18:71370001	18	71370001	71372000	2000	1	6.42E-07	-1.5668963	54	2.7		
DMR18:72940001	18	72940001	72941000	1000	1	4.26E-07	1.4688762	4	0.4		
DMR18:74844001	18	74844001	74846000	2000	2	2.57E-10	1.2914364	11	0.55		
DMR18:77395001	18	77395001	77396000	1000	1	8.83E-06	0.9733617	10	1	Atp9b	Transport
DMR18:77488001	18	77488001	77490000	2000	1	9.19E-06	1.0983688	16	0.8	Atp9b	Transport
DMR18:77994001	18	77994001	77996000	2000	1	7.63E-09	1.403022	26	1.3		
DMR18:78007001	18	78007001	78008000	1000	1	3.17E-08	1.3655883	5	0.5		
DMR18:78952001	18	78952001	78954000	2000	1	1.72E-06	1.1892944	12	0.6	AABR07032747.1	
DMR18:79415001	18	79415001	79417000	2000	1	1.11E-06	1.4711917	22	1.1	Mbp	Unknown
DMR18:79429001	18	79429001	79430000	1000	1	5.50E-06	1.1378343	8	0.8	Mbp	Unknown
DMR18:79985001	18	79985001	79986000	1000	1	1.34E-06	1.0825945	4	0.4		
DMR18:80137001	18	80137001	80138000	1000	1	4.60E-09	1.5159582	8	0.8		
DMR18:80346001	18	80346001	80347000	1000	1	1.03E-07	1.2959806	8	0.8		
DMR18:81198001	18	81198001	81199000	1000	1	5.62E-08	0.9771755	6	0.6	Zfp407	Transcription
DMR18:81904001	18	81904001	81906000	2000	1	2.53E-06	1.0540564	14	0.7		
DMR18:83641001	18	83641001	83642000	1000	1	5.03E-06	0.9338325	2	0.2		
DMR18:86366001	18	86366001	86368000	2000	1	4.73E-06	1.3214073	2	0.1	Cd226	Immune
DMR19:1609001	19	1609001	1611000	2000	1	7.66E-06	1.0218152	7	0.35	LOC102556295	
DMR19:2670001	19	2670001	2672000	2000	1	1.95E-06	1.1487966	10	0.5		
DMR19:5536001	19	5536001	5537000	1000	1	8.52E-07	1.1576694	6	0.6		
DMR19:7972001	19	7972001	7974000	2000	1	1.20E-06	1.0542368	13	0.65		
DMR19:9272001	19	9272001	9274000	2000	1	7.64E-07	1.7808766	15	0.75		
DMR19:10657001	19	10657001	10659000	2000	1	1.31E-06	1.1079817	16	0.8	Cx3cl1	Growth Factors & Cytokines
DMR19:22651001	19	22651001	22654000	3000	1	1.76E-06	1.1868166	7	0.233		
DMR19:23323001	19	23323001	23324000	1000	1	9.12E-06	1.1263519	8	0.8		
DMR19:23887001	19	23887001	23889000	2000	1	6.85E-06	1.2779546	9	0.45		
DMR19:24367001	19	24367001	24369000	2000	1	7.65E-07	1.1459413	25	1.25	Tbc1d9	Signaling
DMR19:25431001	19	25431001	25432000	1000	1	1.16E-07	1.0999246	1	0.1		
DMR19:28603001	19	28603001	28604000	1000	1	1.08E-06	0.8127948	4	0.4	AABR07043449.1	
DMR19:31426001	19	31426001	31427000	1000	1	8.58E-06	1.5216298	7	0.7		
DMR19:32387001	19	32387001	32388000	1000	1	5.69E-06	1.1043442	5	0.5	LOC498933	
DMR19:34660001	19	34660001	34661000	1000	1	5.84E-06	1.1479094	13	1.3	Nr3c2	Receptor
DMR19:35063001	19	35063001	35065000	2000	1	1.51E-06	1.4656749	8	0.4		
DMR19:36068001	19	36068001	36069000	1000	1	1.45E-06	0.9680084	18	1.8		
DMR19:36702001	19	36702001	36703000	1000	1	2.92E-07	1.2755654	1	0.1		
DMR19:38948001	19	38948001	38949000	1000	1	2.66E-06	1.2305448	9	0.9	Tango6	
DMR19:39876001	19	39876001	39877000	1000	1	7.14E-06	1.2056545	6	0.6		
DMR19:41092001	19	41092001	41094000	2000	1	7.57E-06	0.8821766	26	1.3	Hydin	Unknown
DMR19:44815001	19	44815001	44818000	3000	1	6.03E-06	1.4087821	48	1.6		
DMR19:45457001	19	45457001	45459000	2000	1	5.41E-06	1.1437925	12	0.6	AABR07043877.3	
DMR19:46136001	19	46136001	46137000	1000	1	4.57E-06	0.9985759	7	0.7		
DMR19:48286001	19	48286001	48288000	2000	2	2.89E-07	1.2775712	19	0.95		
DMR19:49655001	19	49655001	49656000	1000	1	9.65E-06	1.0572409	17	1.7	Bco1	
DMR19:52054001	19	52054001	52057000	3000	2	1.10E-08	1.237998	11	0.367	Mlycd;AABR07044001.4;AABR07044001.2;AABR07044001.3	

DMR19:52295001	19	52295001	52297000	2000	1	2.47E-06	1.2448942	29	1.45		
DMR19:52421001	19	52421001	52422000	1000	1	9.22E-07	1.1547426	9	0.9	Meak7	
DMR19:54528001	19	54528001	54530000	2000	1	3.61E-06	0.9766334	20	1	RF00139;AABR07044063.2	
DMR19:55787001	19	55787001	55788000	1000	1	6.92E-08	1.2541424	7	0.7		
DMR19:56227001	19	56227001	56228000	1000	1	3.45E-06	1.1684258	9	0.9	AC132057.1;Tubb3;AC132057.2	
DMR19:60273001	19	60273001	60274000	1000	1	1.07E-07	1.1850278	3	0.3	Pard3	Cell Junction
DMR20:2392001	20	2392001	2393000	1000	1	1.02E-07	1.6900986	3	0.3	AC120486.1	
DMR20:2435001	20	2435001	2436000	1000	1	4.73E-06	1.2743841	3	0.3	AC120486.12;AC120486.7	
DMR20:2971001	20	2971001	2972000	1000	1	7.77E-07	0.973775	7	0.7	RF00100;AABR07044346.1	
DMR20:3021001	20	3021001	3023000	2000	2	1.63E-07	1.1786329	17	0.85	AABR07044354.1;RF00100	
DMR20:6261001	20	6261001	6263000	2000	1	4.09E-07	1.5180983	18	0.9	Stk38	Signaling
DMR20:8280001	20	8280001	8282000	2000	1	2.02E-06	1.3350897	28	1.4	Tbc1d22b;Rnf8	Signaling;Proteolysis
DMR20:8676001	20	8676001	8677000	1000	1	6.81E-07	1.0287575	9	0.9		
DMR20:9576001	20	9576001	9577000	1000	1	5.47E-06	1.2227949	4	0.4	Glp1r	Receptor
DMR20:9661001	20	9661001	9662000	1000	1	1.14E-07	1.3370427	1	0.1	Umodl1	
DMR20:10123001	20	10123001	10124000	1000	1	8.10E-06	0.9995067	58	5.8	Pde9a	Signaling
DMR20:10278001	20	10278001	10280000	2000	1	6.73E-06	0.9687457	12	0.6	Ndufv3;RF00340	Metabolism
DMR20:12404001	20	12404001	12405000	1000	1	1.91E-06	1.2046358	5	0.5		
DMR20:13446001	20	13446001	13449000	3000	1	5.44E-06	1.2874883	31	1.033	Slc5a4	Transport
DMR20:13524001	20	13524001	13526000	2000	1	1.87E-06	1.4162682	13	0.65	Slc5a4b	
DMR20:14615001	20	14615001	14616000	1000	1	4.36E-06	1.0497468	13	1.3	Rsph14;Gnaz	Signaling
DMR20:15437001	20	15437001	15439000	2000	1	4.54E-06	1.8126899	12	0.6		
DMR20:15517001	20	15517001	15518000	1000	1	4.55E-06	1.2560549	4	0.4		
DMR20:15781001	20	15781001	15784000	3000	1	2.35E-08	1.1702464	25	0.833		
DMR20:16165001	20	16165001	16167000	2000	1	1.44E-06	1.0727474	25	1.25		
DMR20:16225001	20	16225001	16227000	2000	1	2.04E-06	0.9839056	18	0.9		
DMR20:20502001	20	20502001	20503000	1000	1	4.84E-07	1.3502357	9	0.9		
DMR20:20873001	20	20873001	20877000	4000	1	1.54E-07	1.2773856	54	1.35		
DMR20:21362001	20	21362001	21364000	2000	1	5.16E-07	1.3205822	19	0.95	Cabco1	
DMR20:22106001	20	22106001	22107000	1000	1	5.42E-08	1.5674996	8	0.8		
DMR20:22330001	20	22330001	22331000	1000	1	5.17E-06	1.1226426	5	0.5		
DMR20:23391001	20	23391001	23393000	2000	1	5.41E-06	0.9366448	9	0.45		
DMR20:24664001	20	24664001	24665000	1000	1	2.14E-07	1.1909616	11	1.1		
DMR20:26588001	20	26588001	26589000	1000	1	1.57E-06	1.2186651	3	0.3	AABR07044914.1	
DMR20:27004001	20	27004001	27005000	1000	1	1.25E-06	1.3277573	7	0.7	Mypn	Cytoskeleton
DMR20:27825001	20	27825001	27826000	1000	1	3.39E-06	1.3807079	2	0.2	Gcc2	
DMR20:30830001	20	30830001	30831000	1000	1	3.62E-07	1.2748437	13	1.3	Adamts14	Protease
DMR20:31703001	20	31703001	31705000	2000	1	6.58E-10	1.5013476	10	0.5	AABR07045015.1	
DMR20:32352001	20	32352001	32354000	2000	1	3.50E-09	1.865505	93	4.65	Stox1;RF00026	
DMR20:34771001	20	34771001	34772000	1000	1	2.05E-10	1.529518	7	0.7		
DMR20:39641001	20	39641001	39642000	1000	1	7.79E-06	1.2110969	1	0.1		
DMR20:42050001	20	42050001	42052000	2000	1	4.91E-08	1.2997301	11	0.55		
DMR20:42931001	20	42931001	42932000	1000	1	3.69E-08	1.2871936	3	0.3		
DMR20:45621001	20	45621001	45622000	1000	1	3.56E-07	0.9902914	7	0.7		
DMR20:47117001	20	47117001	47118000	1000	1	6.12E-07	1.1640914	7	0.7	AABR07045431.1	
DMR20:48626001	20	48626001	48627000	1000	1	7.89E-06	1.0693378	4	0.4	Mettl24	Epigenetic
DMR20:52897001	20	52897001	52898000	1000	1	7.44E-06	1.2118772	3	0.3		
DMR20:53686001	20	53686001	53688000	2000	1	9.48E-06	1.1934203	4	0.2		
DMRX:2075001	X	2075001	2076000	1000	1	2.92E-06	1.4892586	4	0.4	Rp2	Signaling
DMRX:3592001	X	3592001	3594000	2000	1	3.11E-07	1.5728718	5	0.25		
DMRX:5226001	X	5226001	5228000	2000	2	8.14E-07	1.21762	7	0.35		
DMRX:6183001	X	6183001	6184000	1000	1	2.80E-06	1.3376897	7	0.7		
DMRX:7831001	X	7831001	7832000	1000	1	1.71E-06	1.2507562	5	0.5		
DMRX:8037001	X	8037001	8039000	2000	1	2.80E-07	1.4531249	6	0.3		
DMRX:11138001	X	11138001	11140000	2000	1	7.35E-06	1.006503	22	1.1	Atp6ap2	Receptor
DMRX:11374001	X	11374001	11376000	2000	1	5.28E-06	1.217798	7	0.35		
DMRX:12740001	X	12740001	12742000	2000	1	3.25E-06	1.2996708	12	0.6		
DMRX:12983001	X	12983001	12984000	1000	1	6.26E-07	1.815041	8	0.8		
DMRX:14951001	X	14951001	14956000	5000	1	6.79E-07	0.8871134	30	0.6	RF00568;Slc38a5	Unknown
DMRX:15153001	X	15153001	15154000	1000	1	5.94E-06	1.0354548	10	1	Was;RF00026	Cytoskeleton
DMRX:16302001	X	16302001	16305000	3000	1	8.51E-06	0.9927328	31	1.033	Akap4	Signaling

DMRX:21136001	X	21136001	21138000	2000	1	8.29E-07	1.4135021	6	0.3	Phf8	Cell Cycle
DMRX:22248001	X	22248001	22249000	1000	1	2.31E-06	1.0647667	9	0.9	lqsec2	Signaling
DMRX:27055001	X	27055001	27056000	1000	1	9.62E-07	1.2450747	6	0.6		
DMRX:27118001	X	27118001	27119000	1000	1	3.85E-08	2.2703527	4	0.4		
DMRX:30233001	X	30233001	30235000	2000	1	2.06E-06	1.2470634	8	0.4		
DMRX:30603001	X	30603001	30604000	1000	1	5.79E-06	1.5444134	5	0.5	Gira2	Receptor
DMRX:31230001	X	31230001	31231000	1000	1	6.58E-11	1.2783701	4	0.4		
DMRX:31747001	X	31747001	31748000	1000	1	1.21E-06	1.2775184	7	0.7	Asb11	
DMRX:32496001	X	32496001	32499000	3000	1	1.58E-07	1.2160566	35	1.167	RGD1565844	
DMRX:35591001	X	35591001	35592000	1000	1	7.53E-06	1.2828931	3	0.3	AABR07037927.1;Cdkl5	Signaling
DMRX:38166001	X	38166001	38167000	1000	1	8.37E-06	1.2394865	9	0.9	Sh3kbp1	Signaling
DMRX:40667001	X	40667001	40668000	1000	1	5.31E-06	1.6085743	6	0.6	Phex	Protease
DMRX:40832001	X	40832001	40833000	1000	1	8.23E-06	1.202095	5	0.5		
DMRX:40905001	X	40905001	40907000	2000	1	1.46E-06	1.2265516	14	0.7		
DMRX:41265001	X	41265001	41267000	2000	1	4.79E-10	2.1559285	8	0.4	RF00416	
DMRX:42105001	X	42105001	42106000	1000	1	3.02E-07	1.403673	0	0		
DMRX:43205001	X	43205001	43207000	2000	1	1.46E-06	1.6430254	9	0.45		
DMRX:46596001	X	46596001	46597000	1000	1	5.92E-06	-1.4181317	5	0.5		
DMRX:50268001	X	50268001	50270000	2000	1	2.91E-06	1.0975356	18	0.9		
DMRX:51647001	X	51647001	51648000	1000	1	9.46E-06	1.8890522	0	0	Dmd	Development
DMRX:52246001	X	52246001	52247000	1000	1	5.80E-06	1.2871732	1	0.1	Dmd	Development
DMRX:53664001	X	53664001	53665000	1000	1	7.74E-08	1.145422	4	0.4		
DMRX:53951001	X	53951001	53952000	1000	1	9.52E-06	1.2565673	9	0.9		
DMRX:55147001	X	55147001	55148000	1000	1	2.29E-06	1.3070596	4	0.4		
DMRX:55339001	X	55339001	55340000	1000	1	5.16E-08	1.6522695	5	0.5	AABR07038567.1	
DMRX:57836001	X	57836001	57837000	1000	1	7.34E-06	1.5496448	4	0.4		
DMRX:58911001	X	58911001	58912000	1000	1	7.31E-08	1.3534266	3	0.3		
DMRX:61152001	X	61152001	61153000	1000	1	7.66E-06	0.9307536	6	0.6	Mageb4	
DMRX:62895001	X	62895001	62896000	1000	1	7.77E-06	1.4548336	1	0.1	Pdk3	Signaling
DMRX:71200001	X	71200001	71201000	1000	1	4.16E-06	1.3512867	15	1.5	Med12;AABR07039195.1;Nlgn3	Transcription;Signaling
DMRX:73218001	X	73218001	73220000	2000	1	6.43E-06	1.1199932	3	0.15		
DMRX:74195001	X	74195001	74196000	1000	1	3.18E-07	1.3535161	4	0.4	Chic1;AABR07039345.1	Unknown
DMRX:78636001	X	78636001	78637000	1000	1	3.12E-07	1.2458886	8	0.8		
DMRX:84431001	X	84431001	84433000	2000	1	8.00E-07	1.3819351	3	0.15		
DMRX:88303001	X	88303001	88304000	1000	1	9.37E-06	1.0677795	3	0.3	AABR07039936.1;LOC100909548	Receptor
DMRX:88352001	X	88352001	88354000	2000	1	2.61E-08	1.7227821	2	0.1		
DMRX:93115001	X	93115001	93116000	1000	1	4.43E-09	1.9002336	1	0.1		
DMRX:95394001	X	95394001	95395000	1000	1	6.38E-07	1.0838678	6	0.6		
DMRX:100386001	X	100386001	100387000	1000	1	1.62E-06	1.4262396	8	0.8		
DMRX:103423001	X	103423001	103425000	2000	1	3.37E-06	1.1556024	11	0.55		
DMRX:104541001	X	104541001	104543000	2000	1	1.53E-07	1.7049893	11	0.55		
DMRX:105216001	X	105216001	105218000	2000	1	2.47E-06	1.3525617	13	0.65		
DMRX:106499001	X	106499001	106500000	1000	1	2.47E-06	1.2039872	5	0.5	Arxes2	Signaling
DMRX:112959001	X	112959001	112960000	1000	1	9.27E-06	1.3363904	6	0.6	Col4a5	
DMRX:114328001	X	114328001	114329000	1000	1	2.36E-06	1.0955235	6	0.6		
DMRX:115188001	X	115188001	115190000	2000	1	4.66E-06	0.9191984	7	0.35		
DMRX:120620001	X	120620001	120622000	2000	1	6.57E-06	1.089607	10	0.5	Slc6a14	Transport
DMRX:122498001	X	122498001	122499000	1000	1	1.89E-08	1.3153785	2	0.2	Dock11	Signaling
DMRX:123376001	X	123376001	123377000	1000	1	1.79E-08	1.8635313	3	0.3	Slc25a43;RF00340	Binding Protein
DMRX:124621001	X	124621001	124622000	1000	1	5.96E-06	1.1785706	5	0.5	Atp1b4	Transport
DMRX:125605001	X	125605001	125606000	1000	1	1.79E-07	1.3519858	5	0.5		
DMRX:126037001	X	126037001	126038000	1000	1	8.17E-06	1.0519565	7	0.7		
DMRX:128332001	X	128332001	128333000	1000	1	8.21E-06	1.2857227	5	0.5		
DMRX:129220001	X	129220001	129221000	1000	1	1.96E-06	1.1244655	3	0.3	AABR07041411.1	
DMRX:131682001	X	131682001	131683000	1000	1	6.57E-06	1.5744586	2	0.2		
DMRX:132942001	X	132942001	132943000	1000	1	4.38E-06	1.2583035	6	0.6		
DMRX:133318001	X	133318001	133319000	1000	1	2.28E-11	1.9324534	6	0.6		
DMRX:135753001	X	135753001	135755000	2000	1	7.58E-06	1.0263943	6	0.3	RGD1564955	Cytoskeleton
DMRX:139210001	X	139210001	139211000	1000	1	2.33E-06	1.1671405	2	0.2		
DMRX:139337001	X	139337001	139339000	2000	1	7.63E-06	1.2103197	16	0.8	LOC103694517	

DMRX:139482001	X	139482001	139483000	1000	1	8.01E-06	1.3036918	6	0.6	AABR07041778.4;AABR07041778.2;AABR07041778.1;AABR07041778.3	
DMRX:141356001	X	141356001	141357000	1000	1	5.00E-06	1.6389047	3	0.3		
DMRX:149274001	X	149274001	149279000	5000	1	3.24E-06	1.0596978	28	0.56	AABR07042135.1	
DMRX:150542001	X	150542001	150544000	2000	1	3.23E-07	1.206898	8	0.4		
DMRX:151650001	X	151650001	151651000	1000	1	1.24E-06	1.6424159	1	0.1		
DMRX:156498001	X	156498001	156499000	1000	1	4.31E-06	1.6876101	4	0.4	LOC108348261	
DMRX:157003001	X	157003001	157004000	1000	1	6.93E-08	1.4628503	0	0	Idh3g;SrpK3;Ssr4;Pdzd4	Metabolism;Signaling
DMRX:157575001	X	157575001	157576000	1000	1	5.82E-07	1.1680618	5	0.5		
DMRX:158321001	X	158321001	158323000	2000	2	7.44E-08	1.2136798	13	0.65		
DMRX:158785001	X	158785001	158786000	1000	1	9.17E-07	1.3780423	2	0.2		
DMRX:158799001	X	158799001	158800000	1000	1	1.98E-06	1.2992481	3	0.3		