

**Supplemental Table S4**  
**Site Table CLM 1e-05**

DMR Name	Chr	Start	Stop	Length	# Sig Win	minP	maxLFC	CpG #	CpG Density	DMR Associated Gene Annotation	Gene Category
DMR1:11904001	1	11904001	11921000	17000	1	7.31E-06	-0.5924566	1473	8.66	RF00002;RF01518	
DMR1:11963001	1	11963001	11977000	14000	1	1.18E-07	-0.6081283	1463	10.45	RF01518;AABR07000398.1;RF00002;AABR07000402.1;AABR07000404.1;LOC100909599	
DMR1:82252001	1	82252001	82253000	1000	1	5.56E-06	-0.948542	19	1.9	Lipe;AC121639.1	Metabolism
DMR1:86314001	1	86314001	86316000	2000	1	1.37E-06	1.6930471	14	0.7		
DMR1:167084001	1	167084001	167085000	1000	1	8.16E-07	-1.6140919	13	1.3	Numa1;Il18bp	Receptor
DMR1:231276001	1	231276001	231277000	1000	1	6.37E-06	-0.9474392	6	0.6		
DMR1:264334001	1	264334001	264335000	1000	1	8.24E-06	1.2490297	10	1		
DMR2:32151001	2	32151001	32154000	3000	1	8.87E-06	-0.7730609	27	0.9		
DMR2:164094001	2	164094001	164095000	1000	1	4.65E-06	-1.052628	7	0.7		
DMR2:214788001	2	214788001	214789000	1000	1	5.89E-06	-1.1898135	4	0.4		
DMR2:251178001	2	251178001	251179000	1000	1	6.41E-06	-1.1298134	15	1.5	AABR07013698.1	
DMR3:2418001	3	2418001	2420000	2000	1	5.27E-06	-0.847468	13	0.65	Tor4a;Nelfb;RF00026	
DMR3:47422001	3	47422001	47423000	1000	1	4.02E-06	1.6729898	9	0.9		
DMR3:97418001	3	97418001	97419000	1000	1	3.65E-06	1.1659948	13	1.3	Dcdc5	
DMR3:117962001	3	117962001	117964000	2000	1	1.22E-06	-1.1847707	7	0.35	Shc4	Signaling
DMR3:150631001	3	150631001	150632000	1000	1	9.45E-06	-1.0110479	15	1.5		
DMR3:160541001	3	160541001	160542000	1000	1	1.14E-06	-1.5707562	14	1.4	Stk4;RF00001	Signaling
DMR4:25597001	4	25597001	25598000	1000	1	3.50E-06	-1.2187644	5	0.5	Cfap69	
DMR4:30250001	4	30250001	30251000	1000	1	1.88E-06	-1.014738	23	2.3	Ppp1r9a;Pon1	Signaling;Metabolism
DMR4:33575001	4	33575001	33576000	1000	1	7.03E-06	-1.0648716	8	0.8		
DMR4:53692001	4	53692001	53693000	1000	1	4.79E-06	1.4916003	5	0.5		
DMR4:71789001	4	71789001	71790000	1000	1	6.60E-06	1.220317	5	0.5	LOC103690198;Tas2r135	
DMR4:135844001	4	135844001	135845000	1000	1	8.38E-06	-1.1822066	33	3.3		
DMR5:68035001	5	68035001	68036000	1000	1	1.52E-06	1.2079333	8	0.8	Plppr1	
DMR5:88641001	5	88641001	88642000	1000	1	5.05E-06	-1.214214	2	0.2		
DMR5:91123001	5	91123001	91138000	15000	1	4.01E-07	-0.709083	1608	10.72	RF01518;RF00002;AABR07048791.1	
DMR5:119302001	5	119302001	119303000	1000	1	7.91E-06	0.9202388	5	0.5		
DMR5:129217001	5	129217001	129218000	1000	1	2.04E-06	-1.0662018	10	1		
DMR6:2097001	6	2097001	2098000	1000	1	7.18E-06	-1.2368814	5	0.5		
DMR6:31046001	6	31046001	31051000	5000	1	4.50E-06	-0.6666675	253	5.06	AABR07063462.1	
DMR8:23258001	8	23258001	23259000	1000	1	1.21E-06	-1.1187849	17	1.7	LOC103690166	
DMR8:50083001	8	50083001	50084000	1000	1	1.37E-07	-1.0874625	7	0.7	Cep164	
DMR8:78833001	8	78833001	78834000	1000	1	3.11E-07	1.4474979	4	0.4		
DMR8:80057001	8	80057001	80058000	1000	1	2.30E-06	1.1695836	4	0.4		
DMR8:131283001	8	131283001	131284000	1000	1	9.63E-06	1.4387188	6	0.6		
DMR9:54932001	9	54932001	54933000	1000	1	4.58E-06	1.6212022	15	1.5		
DMR9:81378001	9	81378001	81379000	1000	1	1.29E-06	-1.4588979	7	0.7	Tns1	Signaling
DMR10:10690001	10	10690001	10691000	1000	1	6.03E-06	1.0396123	12	1.2	Ppl;Ubn1	EST
DMR10:82392001	10	82392001	82393000	1000	1	8.66E-06	-1.3107874	33	3.3	Xylt2	Metabolism
DMR10:107794001	10	107794001	107795000	1000	1	1.42E-06	1.2132731	22	2.2		
DMR11:46299001	11	46299001	46300000	1000	1	7.19E-06	-0.9035505	4	0.4	Abi3bp	Unknown
DMR12:28370001	12	28370001	28371000	1000	1	9.60E-06	1.3583815	19	1.9		
DMR12:48802001	12	48802001	48803000	1000	1	2.78E-06	-1.5253614	13	1.3	Cmklr1	Growth Factors & Cytokines
DMR13:8128001	13	8128001	8129000	1000	1	3.40E-06	-1.0958908	9	0.9		
DMR13:50709001	13	50709001	50710000	1000	1	3.87E-06	-1.6050414	18	1.8	AABR07020983.1	
DMR13:52150001	13	52150001	52152000	2000	1	2.12E-06	1.5657802	25	1.25	Lmod1	Cytoskeleton
DMR13:87972001	13	87972001	87973000	1000	1	8.30E-06	-1.0763934	4	0.4	Rgs5	Signaling
DMR13:96588001	13	96588001	96589000	1000	1	1.84E-07	-0.9023022	5	0.5		
DMR13:104712001	13	104712001	104713000	1000	1	3.60E-06	-1.0891711	10	1		
DMR14:4417001	14	4417001	4418000	1000	1	6.01E-06	1.1236308	16	1.6		
DMR14:46619001	14	46619001	46630000	11000	1	9.10E-06	-0.5041766	156	1.42	RF01518	
DMR14:46678001	14	46678001	46689000	11000	1	6.64E-06	-0.660872	1095	9.95	RF01518;RF00002	
DMR14:110313001	14	110313001	110314000	1000	1	1.48E-06	1.4436708	12	1.2		

DMR15:18364001	15	18364001	18366000	2000	1	7.38E-07	-0.9624949	22	1.1	Fam3d	Unknown
DMR15:28094001	15	28094001	28095000	1000	1	2.40E-06	-0.9978291	2	0.2	Eddm3b;Ang2	Signaling;Transcription
DMR15:54386001	15	54386001	54387000	1000	1	7.15E-06	-1.1769094	7	0.7	Fndc3a	
DMR15:76842001	15	76842001	76843000	1000	1	6.60E-06	-1.0421166	4	0.4		
DMR16:9409001	16	9409001	9410000	1000	1	8.13E-07	-0.9342869	5	0.5	Wdfy4	
DMR16:54323001	16	54323001	54324000	1000	1	1.88E-06	-0.7433217	6	0.6	Mtus1	
DMR18:25331001	18	25331001	25332000	1000	1	2.32E-06	-1.3478393	18	1.8	Gypc	Metabolism
DMR18:41457001	18	41457001	41458000	1000	1	2.24E-07	1.9332023	10	1		
DMR18:56718001	18	56718001	56719000	1000	1	9.36E-06	-1.5223116	10	1	Ppargc1b;Mir3557	Transcription
DMR18:68520001	18	68520001	68521000	1000	1	4.56E-06	-1.0505538	5	0.5	Rab27b	Signaling
DMR19:34769001	19	34769001	34771000	2000	1	9.53E-06	1.4038732	1	0.05		
DMR19:44972001	19	44972001	44973000	1000	1	3.49E-06	0.9802035	23	2.3	Cntnap4	Signaling
DMRX:70389001	X	70389001	70390000	1000	1	7.80E-06	-1.0717846	5	0.5		
DMRX:114328001	X	114328001	114329000	1000	1	7.77E-06	-0.9882676	6	0.6		
DMRX:132022001	X	132022001	132023000	1000	1	3.26E-06	-1.0840648	32	3.2		
DMRX:140521001	X	140521001	140522000	1000	1	7.17E-06	-1.5992895	4	0.4		