

Supp Table 1: Gene that are aberrantly hypomethylated in CCRCC

ID	P Value	Diff in Methylation (CCRCC-Ctrl, HpaII/MspI)	Refseq ID	Gene Symbol	Genomic Location
chr9:136848528-136848700	0.043831	1.159852212	NM_00009	COL5A1	Gene Body
chr6:6090996-6091977	0.047199	1.22411938	NM_00012	F13A1	Gene Body
chr9:70845328-70846385	0.042286	1.040307877	NM_00014	FXN	Gene Body
chr20:10578197-10578810	0.046921	1.038566865	NM_00021	JAG1	Gene Body
chr3:3107552-3107789	0.042906	1.175287425	NM_00056	IL5RA	Gene Body
chr4:46980457-46980720	0.048493	1.066082531	NM_00081	GABRB1	Gene Body
chr3:68902831-68903070	0.042982	1.209174564	NM_00100	FAM19A4	Gene Body
chr7:2230708-2231018	0.048937	1.461358323	NM_00101	MAD1L1	Gene Body
chr7:2230708-2231018	0.048937	1.461358323	NM_00101	MAD1L1	Gene Body
chr7:71393937-71394625	0.047872	1.034428734	NM_00101	CALN1	Gene Body
chr9:86760915-86761105	0.048491	1.08275272	NM_00101	NTRK2	Gene Body
chr3:65661080-65662059	0.042896	1.050877561	NM_00103	MAGI1	Gene Body
chr5:170021435-170021915	0.045755	1.271975133	NM_00103	KCNIP1	Gene Body
chr5:170021435-170021915	0.045755	1.271975133	NM_00103	KCNIP1	Gene Body
chr8:95746452-95747192	0.044261	1.197665987	NM_00103	RBM35A	Gene Body
chr3:155578144-155578657	0.047834	1.123291541	NM_00103	GPR149	Gene Body
chr7:153596545-153598256	0.045964	1.150567488	NM_00103	DPP6	Gene Body
chr7:153705252-153705937	0.04739	1.158266403	NM_00103	DPP6	Gene Body
chr7:154003419-154004479	0.046886	1.217993877	NM_00103	DPP6	Gene Body
chr7:154220278-154221753	0.044961	1.099343623	NM_00103	DPP6	Gene Body
chr7:154256832-154257841	0.048992	1.035477098	NM_00103	DPP6	Gene Body
chr9:9394259-9395026	0.043293	1.302845194	NM_00104	PTPRD	Gene Body
chr20:34560429-34560635	0.045968	1.044474314	NM_00104	DLGAP4	Gene Body
chr2:137988991-137989328	0.049055	1.139175849	NM_00108	THSD7B	Gene Body
chr4:183837395-183837889	0.043289	1.334838585	NM_00108	ODZ3	Gene Body
chr22:47332733-47333131	0.047295	1.12489838	NM_00108	FAM19A5	Gene Body
chr2:173617096-173617203	0.042986	1.154099373	NM_00110	RAPGEF4	Gene Body
chr5:166856364-166857408	0.045813	1.101811616	NM_00112	ODZ2	Gene Body
chr8:95746452-95747192	0.044261	1.197665987	NM_00112	RBM35A	Gene Body
chr8:95746452-95747192	0.044261	1.197665987	NM_00112	RBM35A	Gene Body
chr8:95746452-95747192	0.044261	1.197665987	NM_00112	RBM35A	Gene Body
chr8:68746914-68747442	0.042666	1.075877619	NM_00112	CPA6	Gene Body
chr5:11685009-11686629	0.042965	1.043187398	NM_00133	CTNND2	Gene Body
chr21:40308111-40309193	0.045843	1.135895824	NM_00138	DSCAM	Gene Body
chr21:40583800-40584341	0.044938	1.116371402	NM_00138	DSCAM	Gene Body
chr21:41118588-41119205	0.042717	1.147854217	NM_00138	DSCAM	Gene Body
chrX:135079407-135080564	0.044454	1.038053437	NM_00144	FHL1	Gene Body
chr7:153705252-153705937	0.04739	1.158266403	NM_00193	DPP6	Gene Body
chr7:154003419-154004479	0.046886	1.217993877	NM_00193	DPP6	Gene Body
chr7:154220278-154221753	0.044961	1.099343623	NM_00193	DPP6	Gene Body

chr7:154256832-154257841	0.048992	1.035477098	NM_00193	DPP6	Gene Body
chr5:127704688-127705875	0.0497	1.077229658	NM_00195	FBN2	Gene Body
chr21:38025652-38026855	0.042291	1.393160283	NM_00224	KCNJ6	Gene Body
chr4:55643527-55644486	0.048075	1.221994277	NM_00225	KDR	Gene Body
chr9:9394259-9395026	0.043293	1.302845194	NM_00283	PTPRD	Gene Body
chr7:157050959-157051668	0.04528	1.168981381	NM_00284	PTPRN2	Gene Body
chr7:157285808-157286126	0.04497	1.020103731	NM_00284	PTPRN2	Gene Body
chr7:2230708-2231018	0.048937	1.461358323	NM_00355	MAD1L1	Gene Body
chr9:70543355-70543703	0.044619	1.301060199	NM_00355	PIP5K1B	Gene Body
chr6:133808706-133809236	0.044558	1.137326133	NM_00410	EYA4	Gene Body
chr2:79986105-79986921	0.045205	1.101243853	NM_00438	CTNNA2	Gene Body
chr2:80188509-80189367	0.0483	1.164416461	NM_00438	CTNNA2	Gene Body
chr2:80203716-80203893	0.04689	1.026410923	NM_00438	CTNNA2	Gene Body
chr2:80348127-80348325	0.047159	1.010702607	NM_00438	CTNNA2	Gene Body
chr21:21708955-21709618	0.043004	1.137659598	NM_00454	NCAM2	Gene Body
chr9:93627709-93628742	0.046773	1.038687493	NM_00456	ROR2	Gene Body
chr3:65661080-65662059	0.042896	1.050877561	NM_00474	MAGI1	Gene Body
chr8:1589016-1589955	0.045761	1.228800113	NM_00474	DLGAP2	Gene Body
chr8:73798508-73799313	0.047993	1.232379504	NM_00477	KCNB2	Gene Body
chr5:169385646-169386032	0.044889	1.111801299	NM_00494	DOCK2	Gene Body
chr20:45152983-45153500	0.042584	1.019225995	NM_00524	EYA2	Gene Body
chr9:100187518-100188551	0.047467	1.245334642	NM_00545	GABBR2	Gene Body
chr6:160967572-160968615	0.047732	1.020708704	NM_00557	LPA	Gene Body
chr6:160984210-160985255	0.049174	1.019327117	NM_00557	LPA	Gene Body
chr7:50417971-50418699	0.04213	1.196169605	NM_00606	IKZF1	Gene Body
chr9:86760915-86761105	0.048491	1.08275272	NM_00618	NTRK2	Gene Body
chr2:119448591-119449208	0.042792	1.054669051	NM_00677	MARCO	Gene Body
chr3:124300293-124301146	0.045821	1.22644367	NM_00681	PDIA5	Gene Body
chr2:173617096-173617203	0.042986	1.154099373	NM_00702	RAPGEF4	Gene Body
chr9:119203475-119204077	0.048144	1.018209072	NM_01401	ASTN2	Gene Body
chr5:178505757-178506787	0.048636	1.320121864	NM_01424	ADAMTS2	Gene Body
chr5:178686706-178687073	0.04478	1.175652775	NM_01424	ADAMTS2	Gene Body
chr9:126080799-126081041	0.049733	1.044070178	NM_01435	NEK6	Gene Body
chr3:1120044-1120550	0.046949	1.003615146	NM_01446	CNTN6	Gene Body
chr5:170021435-170021915	0.045755	1.271975133	NM_01455	KCNIP1	Gene Body
chr8:53232969-53233989	0.044157	1.023761018	NM_01468	ST18	Gene Body
chr5:147022158-147022461	0.047884	1.056725138	NM_01475	JAKMIP2	Gene Body
chr20:34560429-34560635	0.045968	1.044474314	NM_01490	DLGAP4	Gene Body
chr5:142220540-142221338	0.044833	1.131925828	NM_01507	ARHGAP26	Gene Body
chr9:676433-676750	0.049407	1.003423619	NM_01515	KANK1	Gene Body
chr6:39880975-39881468	0.046756	1.016447544	NM_01534	DAAM2	Gene Body
chr6:151399695-151399901	0.04301	1.181575585	NM_01544	MTHFD1L	Gene Body
chr3:65661080-65662059	0.042896	1.050877561	NM_01552	MAGI1	Gene Body
chr3:55556611-55557074	0.042293	1.061345361	NM_01557	ERC2	Gene Body
chr4:155378697-155378888	0.047	1.087948168	NM_01763	DCHS2	Gene Body
chr8:95746452-95747192	0.044261	1.197665987	NM_01765	RBM35A	Gene Body
chr8:10731685-10732329	0.044439	1.089242661	NM_01788	PINX1	Gene Body

chr3:54311295-54311859	0.041995	1.072208608	NM_01835	CACNA2D3	Gene Body
chr3:54590111-54590187	0.047738	1.241654363	NM_01835	CACNA2D3	Gene Body
chr3:54633976-54635274	0.042284	1.090730321	NM_01835	CACNA2D3	Gene Body
chr2:141368078-141368670	0.047603	1.01354596	NM_01855	LRP1B	Gene Body
chr2:141423902-141424825	0.04769	1.029928884	NM_01855	LRP1B	Gene Body
chr9:19596774-19597640	0.043744	1.222545899	NM_02034	SLC24A2	Gene Body
chr9:19768681-19769983	0.047786	1.150121934	NM_02034	SLC24A2	Gene Body
chr8:68746914-68747442	0.042666	1.075877619	NM_02036	CPA6	Gene Body
chr20:19387896-19389038	0.046596	1.198054752	NM_02068	SLC24A3	Gene Body
chr20:19424894-19425889	0.042478	1.019685561	NM_02068	SLC24A3	Gene Body
chr2:115293845-115294966	0.046898	1.009798314	NM_02086	DPP10	Gene Body
chr7:131464656-131465968	0.049759	1.108313829	NM_02091	PLXNA4	Gene Body
chr7:131562877-131563537	0.044882	1.312842045	NM_02091	PLXNA4	Gene Body
chr5:178686706-178687073	0.04478	1.175652775	NM_02155	ADAMTS2	Gene Body
chr7:70292322-70292824	0.049847	1.055525143	NM_02247	WBSCR17	Gene Body
chr7:70332784-70333491	0.048597	1.152886723	NM_02247	WBSCR17	Gene Body
chr7:70533654-70534223	0.046961	1.026567897	NM_02247	WBSCR17	Gene Body
chr8:13246297-13247529	0.047585	1.283479019	NM_02476	DLC1	Gene Body
chr20:24513984-24514889	0.047086	1.04779098	NM_02485	C20orf39	Gene Body
chr7:71393937-71394625	0.047872	1.034428734	NM_03146	CALN1	Gene Body
chr4:110221780-110222400	0.04577	1.098311213	NM_03251	COL25A1	Gene Body
chr8:3153404-3153947	0.048326	1.091905024	NM_03322	CSMD1	Gene Body
chr8:3189070-3189899	0.046195	1.043243872	NM_03322	CSMD1	Gene Body
chr8:4205719-4206808	0.043367	1.089817728	NM_03322	CSMD1	Gene Body
chr2:163270664-163271722	0.043196	1.183537061	NM_03327	KCNH7	Gene Body
chr7:117158793-117159049	0.044706	1.051970327	NM_03342	CTTNBP2	Gene Body
chr8:56572139-56572928	0.043862	1.250776645	NM_05285	XKR4	Gene Body
chr8:113761866-113762599	0.044805	1.028776435	NM_05290	CSMD3	Gene Body
chr8:69602285-69602890	0.042876	1.120391993	NM_05295	C8orf34	Gene Body
chr20:57826310-57827513	0.045566	1.152838662	NM_08067	PHACTR3	Gene Body
chr9:9394259-9395026	0.043293	1.302845194	NM_13035	PTPRD	Gene Body
chr9:9394259-9395026	0.043293	1.302845194	NM_13035	PTPRD	Gene Body
chr9:9394259-9395026	0.043293	1.302845194	NM_13035	PTPRD	Gene Body
chr2:125388192-125389342	0.046937	1.002939748	NM_13077	CNTNAP5	Gene Body
chr7:153596545-153598256	0.045964	1.150567488	NM_13075	DPP6	Gene Body
chr7:153705252-153705937	0.04739	1.158266403	NM_13075	DPP6	Gene Body
chr7:154003419-154004479	0.046886	1.217993877	NM_13075	DPP6	Gene Body
chr7:154220278-154221753	0.044961	1.099343623	NM_13075	DPP6	Gene Body
chr7:154256832-154257841	0.048992	1.035477098	NM_13075	DPP6	Gene Body
chr7:157050959-157051668	0.04528	1.168981381	NM_13084	PTPRN2	Gene Body
chr7:157285808-157286126	0.04497	1.020103731	NM_13084	PTPRN2	Gene Body
chr7:157050959-157051668	0.04528	1.168981381	NM_13084	PTPRN2	Gene Body
chr7:157285808-157286126	0.04497	1.020103731	NM_13084	PTPRN2	Gene Body
chr22:38481295-38482578	0.045471	1.01359184	NM_15251	ENTHD1	Gene Body
chr3:131653007-131653192	0.045588	1.001028549	NM_15326	COL29A1	Gene Body
chr6:133808706-133809236	0.044558	1.137326133	NM_17210	EYA4	Gene Body
chr6:133808706-133809236	0.044558	1.137326133	NM_17210	EYA4	Gene Body

chr20:45152983-45153500	0.042584	1.019225995	NM_17211EYA2	Gene Body
chr20:45152983-45153500	0.042584	1.019225995	NM_17211EYA2	Gene Body
chr20:45152983-45153500	0.042584	1.019225995	NM_17211EYA2	Gene Body
chr20:45152983-45153500	0.042584	1.019225995	NM_17211EYA2	Gene Body
chr2:163270664-163271722	0.043196	1.183537061	NM_17316KCNH7	Gene Body
chr3:188168695-188169624	0.042176	1.006937069	NM_17321ST6GAL1	Gene Body
chr3:188168695-188169624	0.042176	1.006937069	NM_17321ST6GAL1	Gene Body
chr20:51173635-51174149	0.042079	1.073566757	NM_17348TSHZ2	Gene Body
chr3:3107552-3107789	0.042906	1.175287425	NM_17572IL5RA	Gene Body
chr3:3107552-3107789	0.042906	1.175287425	NM_17572IL5RA	Gene Body
chr3:3107552-3107789	0.042906	1.175287425	NM_17572IL5RA	Gene Body
chr2:149706973-149707558	0.046043	1.215884223	NM_17796LOC130576	Gene Body
chr20:57203234-57203890	0.043552	1.139222321	NM_17845ZNF831	Gene Body
chr9:70845328-70846385	0.042286	1.040307877	NM_18142FXN	Gene Body
chr3:68902831-68903070	0.042982	1.209174564	NM_18252FAM19A4	Gene Body
chr8:13246297-13247529	0.047585	1.283479019	NM_18264DLC1	Gene Body
chr20:42853680-42854641	0.045742	1.266076718	NM_18297RIMS4	Gene Body
chr20:34560429-34560635	0.045968	1.044474314	NM_18300DLGAP4	Gene Body
chr20:57826310-57827513	0.045566	1.152838662	NM_18324PHACTR3	Gene Body
chr20:57826310-57827513	0.045566	1.152838662	NM_18324PHACTR3	Gene Body
chr8:113761866-113762599	0.044805	1.028776435	NM_19812CSMD3	Gene Body
chr8:113761866-113762599	0.044805	1.028776435	NM_19812CSMD3	Gene Body
chr9:119203475-119204077	0.048144	1.018209072	NM_19818ASTN2	Gene Body
chr9:119203475-119204077	0.048144	1.018209072	NM_19818ASTN2	Gene Body
chr5:153744707-153745319	0.046239	1.200651363	NM_19832GALNT10	Gene Body
chr4:110221780-110222400	0.04577	1.098311213	NM_19872COL25A1	Gene Body
chr7:139824436-139824509	0.008583	1.000867494	NM_01344MKRN1	Promoter
chr3:73755952-73756369	0.010779	1.001630221	NM_01500PDZRN3	Promoter
chr5:139007939-139008052	0.014406	1.007201561	NM_01646CXXC5	Promoter
chr1:115196282-115197824	0.015297	1.009840895	NM_00317SYCP1	Promoter
chr2:239987457-239987681	0.035034	1.016177741	NM_00603HDAC4	Promoter
chr20:61649448-61649899	0.026872	1.017886267	NM_08082SRMS	Promoter
chr5:134397802-134398079	0.012001	1.024093155	NM_00265PITX1	Promoter
chr19:1543793-1544018	0.00502	1.025320972	NM_00392MBD3	Promoter
chr12:11692146-11692915	0.028594	1.025563244	NM_00198ETV6	Promoter
chr4:8973624-8974282	0.033301	1.027959044	NM_00110USP17	Promoter
chrX:89060348-89062228	0.020924	1.02886392	NM_13896TGIF2LX	Promoter
chr15:53667762-53668060	0.04162	1.029338431	NM_01561PYGO1	Promoter
chr14:59786313-59786471	0.008211	1.032060304	NM_02100PPM1A	Promoter
chr14:59786313-59786471	0.008211	1.032060304	NM_17795PPM1A	Promoter
chr8:346643-346787	0.008279	1.032068951	NM_01217FBXO25	Promoter
chr8:346643-346787	0.008279	1.032068951	NM_18342FBXO25	Promoter
chr8:346643-346787	0.008279	1.032068951	NM_18342FBXO25	Promoter
chr4:8954643-8955301	0.044381	1.033944578	NM_00110USP17	Promoter
chr13:19700918-19701380	0.018366	1.036283236	NM_00678GJB6	Promoter
chr17:77783997-77784207	0.032922	1.03783741	NM_00104SLC16A3	Promoter
chr9:34169189-34169349	0.02849	1.039257541	NM_01652UBAP1	Promoter

chrX:127011605-127012962	0.008903	1.04006315	NM_13828	ACTRT1	Promoter
chr19:5821001-5821851	0.037016	1.040702915	NM_00203	FUT5	Promoter
chr1:157407849-157408027	0.045561	1.041592007	NM_00112	CADM3	Promoter
chr1:157407849-157408027	0.045561	1.041592007	NM_02118	CADM3	Promoter
chr13:94163686-94163912	0.01978	1.045685292	NM_00708	SOX21	Promoter
chr8:61753846-61754030	0.038587	1.046098998	NM_01778	CHD7	Promoter
chr12:103055971-103056260	0.045115	1.048450495	NM_00616	NFYB	Promoter
chr21:37300741-37300905	0.006884	1.050611655	NM_01896	DSCR6	Promoter
chr2:148318588-148318752	0.038097	1.050781882	NM_00161	ACVR2A	Promoter
chr5:130627878-130628154	0.004898	1.050896884	NM_00103	CDC42SE2	Promoter
chr5:130627878-130628154	0.004898	1.050896884	NM_02024	CDC42SE2	Promoter
chr4:8940406-8941064	0.034195	1.052516815	NM_00110	USP17	Promoter
chr7:733019-733260	0.005764	1.052650024	NM_01780	HEATR2	Promoter
chr16:65518902-65519496	0.032604	1.057074311	NM_00112	RRAD	Promoter
chr16:65518902-65519496	0.032604	1.057074311	NM_00416	RRAD	Promoter
chr1:104000072-104001707	0.017663	1.057363941	NM_00100	AMY1B	Promoter
chr1:104000072-104001707	0.017663	1.057363941	NM_00100	AMY1C	Promoter
chr1:104000072-104001707	0.017663	1.057363941	NM_00100	AMY1A	Promoter
chr1:104000072-104001707	0.017663	1.057363941	NM_00403	AMY1A	Promoter
chr16:154984-155165	0.01495	1.061560501	NM_00100	HBM	Promoter
chr5:178417964-178419728	0.011764	1.063851331	NM_01459	ZNF354C	Promoter
chr1:159819605-159821300	0.049046	1.064924174	NM_00100	FCGR2C	Promoter
chr1:159819605-159821300	0.049046	1.064924174	NM_00100	FCGR2C	Promoter
chr1:159819605-159821300	0.049046	1.064924174	NM_20156	FCGR2C	Promoter
chr21:30687186-30688317	0.036125	1.064947731	NM_18159	KRTAP13-1	Promoter
chr1:104094210-104095846	0.022242	1.068594327	NM_00100	AMY1B	Promoter
chr1:104094210-104095846	0.022242	1.068594327	NM_00100	AMY1C	Promoter
chr1:104094210-104095846	0.022242	1.068594327	NM_00100	AMY1A	Promoter
chr1:104094210-104095846	0.022242	1.068594327	NM_00403	AMY1A	Promoter
chr10:131652697-131653057	0.045387	1.07230566	NM_00100	EBF3	Promoter
chr17:57909764-57909927	0.017985	1.072874705	NM_00111	TLK2	Promoter
chr17:57909764-57909927	0.017985	1.072874705	NM_00685	TLK2	Promoter
chr9:130491879-130492133	0.026353	1.073409506	NM_00301	SET	Promoter
chr13:75010332-75010973	0.022143	1.075242171	NM_20349	COMMD6	Promoter
chr13:75010332-75010973	0.022143	1.075242171	NM_20349	COMMD6	Promoter
chr11:3777066-3778473	0.009909	1.076116883	NM_00538	NUP98	Promoter
chr11:3777066-3778473	0.009909	1.076116883	NM_01632	NUP98	Promoter
chr11:3777066-3778473	0.009909	1.076116883	NM_13913	NUP98	Promoter
chr11:3777066-3778473	0.009909	1.076116883	NM_13913	NUP98	Promoter
chr3:161650893-161651854	0.020822	1.076996142	NM_17308	TRIM59	Promoter
chr19:45727998-45728233	0.034355	1.078324861	NM_02521	SPTBN4	Promoter
chr1:34403977-34404118	0.043472	1.078614953	NM_03288	C1orf94	Promoter
chr1:34403977-34404118	0.043472	1.078614953	NM_05289	CSMD2	Promoter
chr21:31041328-31043224	0.011605	1.079605939	NM_18161	KRTAP21-2	Promoter
chr10:35144463-35144708	0.010517	1.080940574	NM_01961	PARD3	Promoter
chr9:33807113-33807308	0.029349	1.081492338	NM_01781	UBE2R2	Promoter
chrX:54226311-54226571	0.021964	1.083445107	NM_01784	FAM120C	Promoter

chr12:52688993-52689137	0.031639	1.08401546	NM_02265	HOXC8	Promoter
chr13:56613852-56614685	0.048252	1.086236027	NM_19844	FLJ40296	Promoter
chr4:8949898-8950556	0.03627	1.087416656	NM_00110	USP17	Promoter
chr5:121214906-121215380	0.045872	1.088499333	NM_17747	FTMT	Promoter
chr6:30188621-30188946	0.029176	1.092067919	NM_00702	TRIM31	Promoter
chr3:189411926-189412206	0.01949	1.092195302	NM_00557	LPP	Promoter
chr10:104145524-104145669	0.029269	1.101938486	NM_00107	NFKB2	Promoter
chr10:104145524-104145669	0.029269	1.101938486	NM_00107	NFKB2	Promoter
chr10:104145524-104145669	0.029269	1.101938486	NM_00250	NFKB2	Promoter
chr2:233960453-233960929	0.025542	1.105924997	NM_00364	DGKD	Promoter
chr10:85989877-85991042	0.049291	1.108131802	NM_01561	LRIT1	Promoter
chr11:5099598-5100266	0.043504	1.108762428	NM_00100	OR52A4	Promoter
chr22:40527275-40528585	0.002911	1.109638434	NM_02482	CCDC134	Promoter
chr2:233961582-233962426	0.004239	1.111441958	NM_00364	DGKD	Promoter
chr1:46369564-46369636	0.015684	1.116175601	NM_00111	PIK3R3	Promoter
chr1:46369564-46369636	0.015684	1.116175601	NM_00362	PIK3R3	Promoter
chr22:45312726-45312781	0.006711	1.1249913	NM_01424	CELSR1	Promoter
chr10:118369768-118370385	0.035193	1.125329213	NM_00535	PNLIPRP2	Promoter
chr18:28605667-28605892	0.025917	1.126948123	NM_02080	KLHL14	Promoter
chr9:106369016-106370584	0.009525	1.129359381	NM_00100	OR13C8	Promoter
chr4:8959388-8960046	0.023252	1.130607153	NM_00110	USP17	Promoter
chr12:112344252-112344301	0.005691	1.130930222	NM_13843	SDSL	Promoter
chr2:216587473-216587909	0.01265	1.132241603	NM_01800	MREG	Promoter
chr1:159783243-159784856	0.009274	1.133644437	NM_00050	FCGR3A	Promoter
chr1:159783243-159784856	0.009274	1.133644437	NM_00112	FCGR3A	Promoter
chr1:159901409-159903104	0.026473	1.13411726	NM_00100	FCGR2B	Promoter
chr1:159901409-159903104	0.026473	1.13411726	NM_00100	FCGR2B	Promoter
chr1:159901409-159903104	0.026473	1.13411726	NM_00100	FCGR2B	Promoter
chr1:159901409-159903104	0.026473	1.13411726	NM_00400	FCGR2B	Promoter
chr15:97008806-97008950	0.007932	1.135099901	NM_00087	IGF1R	Promoter
chr13:31898134-31899060	0.026504	1.136532395	NM_00107	N4BP2L1	Promoter
chr13:31898134-31899060	0.026504	1.136532395	NM_05281	N4BP2L1	Promoter
chr11:1676987-1677384	0.04645	1.137551554	NM_00101	KRTAP5-6	Promoter
chr7:29200298-29200403	0.00263	1.142721643	NM_00400	CHN2	Promoter
chr4:8935660-8936318	0.024398	1.144042543	NM_00110	USP17	Promoter
chr4:122519179-122520726	0.023973	1.145189562	NM_19817	GPR103	Promoter
chr9:109291878-109292069	0.032923	1.145961815	NM_00423	KLF4	Promoter
chr7:149652854-149653278	0.025064	1.146173207	NM_02394	LRRRC61	Promoter
chr5:113797518-113798174	0.017206	1.148474146	NM_17077	KCNN2	Promoter
chr13:28497896-28498967	0.045119	1.150465947	NM_00103	KIAA0774	Promoter
chr9:139565839-139566019	0.011684	1.152375818	NM_00100	PNPLA7	Promoter
chr9:139565839-139566019	0.011684	1.152375818	NM_03247	MRPL41	Promoter
chr9:139565839-139566019	0.011684	1.152375818	NM_15228	PNPLA7	Promoter
chr15:81667549-81667688	0.017506	1.153520163	NM_01607	HDGFRP3	Promoter
chr19:40930988-40931037	0.007086	1.157726844	NM_01910	LIN37	Promoter
chr3:11242721-11242879	0.027241	1.159003678	NM_00100	HRH1	Promoter
chr1:109458459-109459633	0.006379	1.162284866	NM_00112	C1orf194	Promoter

chr1:109458459-109459633	0.006379	1.162284866	NM_02077	KIAA1324	Promoter
chr1:155130004-155130092	0.020088	1.165339247	NM_00108	PEAR1	Promoter
chr10:118755991-118756670	0.011469	1.17331621	NM_00112	KIAA1598	Promoter
chr10:118755991-118756670	0.011469	1.17331621	NM_01833	KIAA1598	Promoter
chr21:46093671-46095577	0.006579	1.17407871	NM_02052	PCBP3	Promoter
chr3:67130982-67131038	0.00556	1.178517394	NM_03250	KBTBD8	Promoter
chr7:68701161-68701402	0.021419	1.178724634	NM_00112	AUTS2	Promoter
chr7:68701161-68701402	0.021419	1.178724634	NM_00112	AUTS2	Promoter
chr7:68701161-68701402	0.021419	1.178724634	NM_01557	AUTS2	Promoter
chr17:40580572-40580702	0.004619	1.178913868	NM_00646	HEXIM1	Promoter
chr6:31623505-31623596	0.00778	1.179343547	NM_00500	NFKBIL1	Promoter
chr6:31623505-31623596	0.00778	1.179343547	NM_13046	ATP6V1G2	Promoter
chr6:31623505-31623596	0.00778	1.179343547	NM_13828	ATP6V1G2	Promoter
chr11:128752923-128754629	0.022135	1.179797296	NM_00365	BARX2	Promoter
chr1:55279421-55280299	0.033658	1.180606533	NM_17493	PCSK9	Promoter
chr15:63690999-63691060	0.006598	1.184860645	NM_03080	C15orf44	Promoter
chr17:31616331-31617220	0.033078	1.187793666	NM_00100	TBC1D3C	Promoter
chr5:121213919-121214717	0.023191	1.196101297	NM_17747	FTMT	Promoter
chr8:37672607-37672734	0.011257	1.19713745	NM_02506	ZNF703	Promoter
chr22:23664984-23665033	0.000888	1.199002627	NM_00100	TMEM211	Promoter
chr6:144040660-144040819	0.006982	1.200314504	NM_00110	PHACTR2	Promoter
chr6:144040660-144040819	0.006982	1.200314504	NM_00110	PHACTR2	Promoter
chr2:231499945-231501047	0.029815	1.200818768	NM_00568	GPR55	Promoter
chr20:60074096-60074369	0.003663	1.201180056	NM_00318	TAF4	Promoter
chr19:56338560-56339505	0.02813	1.203341343	NM_01438	SIGLEC7	Promoter
chr19:56338560-56339505	0.02813	1.203341343	NM_01654	SIGLEC7	Promoter
chr7:44331694-44331882	0.003572	1.204006177	NM_00122	CAMK2B	Promoter
chr7:44331694-44331882	0.003572	1.204006177	NM_17207	CAMK2B	Promoter
chr7:44331694-44331882	0.003572	1.204006177	NM_17207	CAMK2B	Promoter
chr7:44331694-44331882	0.003572	1.204006177	NM_17208	CAMK2B	Promoter
chr7:44331694-44331882	0.003572	1.204006177	NM_17208	CAMK2B	Promoter
chr7:44331694-44331882	0.003572	1.204006177	NM_17208	CAMK2B	Promoter
chr7:44331694-44331882	0.003572	1.204006177	NM_17208	CAMK2B	Promoter
chr7:44331694-44331882	0.003572	1.204006177	NM_17208	CAMK2B	Promoter
chr17:78267802-78267891	0.003633	1.206457127	NM_02461	FN3KRP	Promoter
chr14:95222542-95223737	0.013826	1.207702575	NM_00491	TCL1B	Promoter
chr14:95222542-95223737	0.013826	1.207702575	NM_19920	TCL1B	Promoter
chr1:46436698-46436877	0.008689	1.209984843	NM_01773	POMGNT1	Promoter
chr12:28014472-28014633	0.006952	1.215777829	NM_00282	PTHLH	Promoter
chr12:28014472-28014633	0.006952	1.215777829	NM_19896	PTHLH	Promoter
chr12:28014472-28014633	0.006952	1.215777829	NM_19896	PTHLH	Promoter
chr12:28014472-28014633	0.006952	1.215777829	NM_19896	PTHLH	Promoter
chr6:111244778-111245428	0.020922	1.218551899	NM_01507	CDC2L6	Promoter
chr1:104001708-104002783	0.023927	1.219756305	NM_00100	AMY1B	Promoter
chr1:104001708-104002783	0.023927	1.219756305	NM_00100	AMY1C	Promoter
chr1:104001708-104002783	0.023927	1.219756305	NM_00403	AMY1A	Promoter
chr15:88345916-88346060	0.016301	1.223408027	NM_19852	ZNF710	Promoter

chr14:20045975-20047207	0.009429	1.224076024	NM_00101	RNASE10	Promoter
chr1:153515538-153516453	0.003532	1.233548014	NM_02089	HCN3	Promoter
chr19:59260155-59260673	0.02094	1.238895235	NM_19848	VSTM1	Promoter
chr4:25264112-25264841	0.012989	1.23978259	NM_00642	SLC34A2	Promoter
chr1:109827669-109828248	0.015458	1.239836009	NM_15332	ATXN7L2	Promoter
chr12:99492358-99493482	0.032173	1.241197172	NM_17492	GAS2L3	Promoter
chr3:51976604-51976771	0.00257	1.24217524	NM_03300	PCBP4	Promoter
chr20:1821958-1822178	0.035675	1.243513568	NM_00102	SIRPA	Promoter
chr20:1821958-1822178	0.035675	1.243513568	NM_00102	SIRPA	Promoter
chr20:1821958-1822178	0.035675	1.243513568	NM_08079	SIRPA	Promoter
chr17:33423525-33424108	0.039339	1.246138451	NM_00112	TBC1D3E	Promoter
chr3:12018606-12019410	0.016498	1.249245615	NM_00317	SYN2	Promoter
chr3:12018606-12019410	0.016498	1.249245615	NM_13362	SYN2	Promoter
chr5:14924542-14924805	0.011717	1.252908233	NM_05402	ANKH	Promoter
chr9:35664000-35664079	0.0124	1.254274044	NM_00121	CA9	Promoter
chr12:111331854-111331918	0.001255	1.258805065	NM_00097	RPL6	Promoter
chr12:111331854-111331918	0.001255	1.258805065	NM_00102	RPL6	Promoter
chr12:55768886-55769003	0.005378	1.261213112	NM_00596	NAB2	Promoter
chr19:42551771-42553064	0.010519	1.265011712	NM_03245	ZNF527	Promoter
chr5:34079557-34079820	0.025419	1.265084339	NM_03092	C1QTNF3	Promoter
chr5:34079557-34079820	0.025419	1.265084339	NM_18143	C1QTNF3	Promoter
chr2:104838590-104838858	0.003378	1.266310326	NM_00623	POU3F3	Promoter
chr19:35125032-35125227	0.010935	1.276046392	NM_00379	C19orf2	Promoter
chr19:35125032-35125227	0.010935	1.276046392	NM_13442	C19orf2	Promoter
chr3:46996350-46996546	0.004531	1.281072709	NM_01517	NBEAL2	Promoter
chr9:124742996-124743148	0.022981	1.285601146	NM_01219	RABGAP1	Promoter
chr17:33357268-33357851	0.027308	1.285820904	NM_00112	TBC1D3F	Promoter
chr17:33357268-33357851	0.027308	1.285820904	NM_00112	TBC1D3E	Promoter
chr17:33357268-33357851	0.027308	1.285820904	NM_03225	TBC1D3	Promoter
chr20:21325746-21325928	0.007912	1.285950913	NM_03317	NKX2-4	Promoter
chr1:245649644-245650359	0.016681	1.291921831	NM_00112	NLRP3	Promoter
chr1:245649644-245650359	0.016681	1.291921831	NM_00489	NLRP3	Promoter
chr1:245649644-245650359	0.016681	1.291921831	NM_18339	NLRP3	Promoter
chr1:64440142-64441087	0.002455	1.297560604	NM_15248	UBE2U	Promoter
chr1:28459164-28459403	0.006367	1.299913591	NM_03145	SESN2	Promoter
chr11:75055366-75056094	0.007814	1.303392029	NM_03306	MAP6	Promoter
chr11:75055366-75056094	0.007814	1.303392029	NM_20757	MAP6	Promoter
chr12:105165347-105165645	0.000755	1.305386379	NM_00682	CKAP4	Promoter
chr17:75775678-75775881	0.006303	1.318375605	NM_05281	CARD14	Promoter
chr17:9881046-9881898	0.008065	1.319819115	NM_20143	GAS7	Promoter
chr1:49015158-49015383	0.009848	1.321252913	NM_02460	C1orf165	Promoter
chr17:37329738-37330293	0.013498	1.321706566	NM_00109	ACLY	Promoter
chr17:37329738-37330293	0.013498	1.321706566	NM_19883	ACLY	Promoter
chr17:31528287-31529176	0.02903	1.338041759	NM_00100	TBC1D3B	Promoter
chr2:26767615-26768077	0.027156	1.339875781	NM_00222	KCNK3	Promoter
chr17:31109748-31110756	0.003698	1.347490847	NM_14527	C17orf50	Promoter
chr2:179455199-179456447	0.006305	1.350316888	NM_17362	CCDC141	Promoter

chr19:19357730-19357890	0.001148	1.350767515	NM_01766	GATAD2A	Promoter
chr3:102880186-102880898	0.002086	1.364134537	NM_01441	ZBTB11	Promoter
chr8:9044347-9045276	0.020822	1.374384571	NM_02460	PPP1R3B	Promoter
chr2:85409223-85409320	0.000221	1.380712027	NM_00646	TGOLN2	Promoter
chr10:123347834-123348070	0.002758	1.382689405	NM_00014	FGFR2	Promoter
chr10:123347834-123348070	0.002758	1.382689405	NM_02297	FGFR2	Promoter
chr1:10994912-10995026	0.000286	1.382900298	NM_00737	TARDBP	Promoter
chr17:33602944-33603527	0.021592	1.383835049	NM_00112	TBC1D3F	Promoter
chr17:33602944-33603527	0.021592	1.383835049	NM_00112	TBC1D3E	Promoter
chr17:33602944-33603527	0.021592	1.383835049	NM_03225	TBC1D3	Promoter
chr1:104037475-104038550	0.019007	1.385502622	NM_00100	AMY1B	Promoter
chr1:104037475-104038550	0.019007	1.385502622	NM_00100	AMY1C	Promoter
chr1:104037475-104038550	0.019007	1.385502622	NM_00403	AMY1A	Promoter
chr3:150424141-150424697	0.046519	1.393861056	NM_00009	CP	Promoter
chr1:104095847-104096922	0.010736	1.404102458	NM_00100	AMY1B	Promoter
chr1:104095847-104096922	0.010736	1.404102458	NM_00100	AMY1C	Promoter
chr1:104095847-104096922	0.010736	1.404102458	NM_00403	AMY1A	Promoter
chr2:177964977-177965511	0.010243	1.405531401	NM_00365	AGPS	Promoter
chr7:100609052-100609179	0.003608	1.414010625	NM_19857	C7orf52	Promoter
chr7:30033097-30033147	0.002494	1.417104672	NM_01794	FKBP14	Promoter
chr7:30033097-30033147	0.002494	1.417104672	NM_03263	PLEKHA8	Promoter
chr6:107064200-107064925	0.004909	1.434049372	NM_00162	AIM1	Promoter
chr10:14855540-14855900	0.009879	1.434419154	NM_03145	FAM107B	Promoter
chr17:31882395-31883284	0.02702	1.436447451	NM_00100	TBC1D3C	Promoter
chr17:31882395-31883284	0.02702	1.436447451	NM_00104	TBC1D3G	Promoter
chr9:2611969-2612246	0.001935	1.442891329	NM_00101	VLDLR	Promoter
chr9:2611969-2612246	0.001935	1.442891329	NM_00338	VLDLR	Promoter
chr7:26297901-26298187	0.003579	1.44387607	NM_01332	SNX10	Promoter
chr1:156056984-156058709	0.005354	1.444484517	NM_05293	FCRL1	Promoter
chr13:109236896-109237128	0.002197	1.461648484	NM_00374	IRS2	Promoter
chr9:103397306-103397668	0.008458	1.495259692	NM_14718	PPP3R2	Promoter
chr16:69277364-69277629	0.000626	1.502057759	NM_13838	ABBA-1	Promoter
chr6:149928103-149928161	0.000395	1.53212086	NM_13878	C6orf72	Promoter
chr15:50869739-50869963	0.000478	1.539273352	NM_00449	ONECUT1	Promoter
chr5:666641-667770	0.003624	1.559079933	NM_01814	CEP72	Promoter
chrX:153534142-153534305	0.014091	1.611917456	NM_02099	CTAG2	Promoter
chrX:153534142-153534305	0.014091	1.611917456	NM_17237	CTAG2	Promoter
chr6:167442713-167443474	0.001804	1.614855472	NM_00436	CCR6	Promoter
chr10:77212264-77212319	0.000255	1.643486936	NM_03202	C10orf11	Promoter
chr1:42619968-42620535	0.011984	1.647551936	NM_17364	FAM80A	Promoter
chr13:56617444-56617843	0.001382	1.669800115	NM_19844	FLJ40296	Promoter
chr18:75968032-75968356	0.001248	1.676860964	NM_01491	ADNP2	Promoter
chr16:82491682-82492694	0.0027	1.681072121	NM_01221	MLYCD	Promoter
chr1:165457193-165457246	0.000105	1.687296425	NM_00269	POU2F1	Promoter
chr2:29150101-29151342	0.008092	1.694863665	NM_00102	FLJ34931	Promoter
chr10:14856539-14856952	0.011495	1.702557952	NM_03145	FAM107B	Promoter
chr9:126573858-126573918	0.00029	1.702911089	NM_00148	NR6A1	Promoter

chr9:126573858-126573918	0.00029	1.702911089	NM_03333 NR6A1	Promoter
chr7:28693680-28694790	0.000625	1.71541171	NM_00101 CREB5	Promoter
chr13:56637158-56637557	0.000676	1.758897988	NM_19844 FLJ40296	Promoter
chr1:176961858-176961913	0.000123	1.787031666	NM_01803 RALGPS2	Promoter
chr1:176961858-176961913	0.000123	1.787031666	NM_15266 RALGPS2	Promoter
chr8:19718609-19718665	0.000119	1.814374392	NM_01814 INTS10	Promoter
chr20:43603433-43604705	0.001977	1.821011399	NM_08082 WFDC6	Promoter
chr10:14854943-14855539	0.000671	1.826318685	NM_03145 FAM107B	Promoter
chr1:43199249-43200039	0.004758	1.828748425	NM_00651 SLC2A1	Promoter
chr13:56630587-56630986	0.000457	1.833115769	NM_19844 FLJ40296	Promoter
chr10:14854696-14854942	0.002101	1.850865473	NM_03145 FAM107B	Promoter
chr12:24605867-24605918	2.76E-06	1.855442686	NM_15298 SOX5	Promoter
chr14:96038675-96038724	6.12E-06	1.882536247	NM_03263 PAPOLA	Promoter
chr3:117648656-117649307	0.000465	1.886373174	NM_00233 LSAMP	Promoter
chr2:113479254-113480227	0.00258	1.918563846	NM_01444 IL1F6	Promoter
chr13:56624014-56624413	0.000242	1.92209704	NM_19844 FLJ40296	Promoter
chr14:33487056-33488359	0.001919	1.923364903	NM_02207 EGLN3	Promoter
chr16:83241423-83242276	0.001451	2.019638512	NM_02473 C16orf44	Promoter
chr6:111409755-111409807	8.88E-07	2.212714734	NM_03219 BXDC1	Promoter
chr10:112622465-112622524	2.86E-08	2.388991851	NM_01445 PDCD4	Promoter
chr10:112622465-112622524	2.86E-08	2.388991851	NM_14534 PDCD4	Promoter
chr11:10518922-10518973	1.08E-07	2.416263288	NM_01642 RNF141	Promoter
chr16:46975878-46975928	1.04E-06	2.423465204	NM_00303 SIAH1	Promoter
chr17:59931958-59932008	2.41E-06	2.436157913	NM_00435 DDX5	Promoter
chr17:59931958-59932008	2.41E-06	2.436157913	NM_13836 CCDC45	Promoter
chr11:117735854-117735906	2.43E-09	2.520295005	NM_00478 UBE4A	Promoter
chr10:14857333-14858743	0.000174	2.557173133	NM_03145 FAM107B	Promoter
chr10:14856953-14857321	5.49E-05	3.50781445	NM_03145 FAM107B	Promoter
