

Supplemental Table 1: Differentially methylated CpG sites between tumor and adjacent normal prostate tissues

ProbeId	Gene Symbol	Gene Body	# of probes	Chr	Position	q-value	$\Delta\beta$ -value	Mean (Normal)	Mean (Tumor)
cg27395066	ACBD4	3'UTR;3'UTR;3'UTR;3'UTR	2	17	43221220	0.00022422	0.312254	0.37267	0.684923
cg00677574	ACBD4	3'UTRUTR		17	43221327	0.00015868	0.317911	0.255584	0.573494
cg11659501	ACSS3	TSS200	4	12	81471678	0.00031521	0.319392	0.236728	0.556119
cg23007705	ACSS3	TSS200		12	81471681	0.0002601	0.321452	0.280268	0.60172
cg13273396	ACSS3	1stExon;5'UTR		12	81471867	0.00031146	0.318743	0.305271	0.624014
cg10789281	ACSS3	1stExon;5'UTR		12	81471882	0.00040705	0.304475	0.216886	0.521361
cg00905687	ADAMTS12	1stExon	4	5	33891893	0.0001719	0.304883	0.27945	0.584333
cg24744455	ADAMTS12	1stExon;5'UTR		5	33892083	0.0001183	0.389836	0.25816	0.647996
cg26573704	ADAMTS12	TSS200		5	33892223	0.00047726	0.304221	0.235327	0.539548
cg21264391	ADAMTS12	TSS200		5	33892231	0.00083979	0.307322	0.237448	0.544771
cg15798800	ALDH1L1	TSS2000;1stExon;5'UTR;Body	2	3	125899832	0.00010991	0.316987	0.194867	0.511854
cg11022432	ALDH1L1	TSS1500		3	125899878	0.00015618	0.344794	0.232931	0.577726
cg21981270	ALOX5	Body	4	10	45914525	0.00014194	0.365118	0.250481	0.615599
cg16831085	ALOX5	Body		10	45914645	0.0001781	0.338594	0.219796	0.55839
cg00675569	ALOX5	Body		10	45914840	0.00055143	0.300329	0.188766	0.489095
cg09806262	ALOX5	Body		10	45914949	0.00017726	0.335103	0.252549	0.587652
cg04380340	AOX1	TSS1500	9	2	201450506	0.00015069	0.366948	0.17512	0.542068
cg13000082	AOX1	TSS1500		2	201450527	0.00022224	0.310455	0.179668	0.490123
cg09729613	AOX1	TSS200		2	201450601	0.00025281	0.340351	0.16812	0.508471
cg08952506	AOX1	TSS200		2	201450610	0.00012306	0.364986	0.186797	0.551782
cg02657832	AOX1	TSS200		2	201450633	0.00014431	0.356014	0.198995	0.555009
cg02144933	AOX1	TSS200		2	201450690	0.00014141	0.378559	0.186649	0.565208
cg12627583	AOX1	1stExon;5'UTR		2	201450731	0.00019972	0.363519	0.302708	0.666227
cg13875120	AOX1	1stExon;5'UTR		2	201450743	0.00011842	0.445405	0.304077	0.749482
cg14383422	AOX1	Body		2	201450962	0.00023561	0.349311	0.428918	0.778229
cg00577935	APC	TSS1500;5'UTR;TSS1500	9	5	112073348	0.00034312	0.348485	0.181574	0.53006

cg08571859	APC	TSS1500;5'UTR;TSS1500		5	112073350	0.00013098	0.350413	0.196455	0.546869
cg14511739	APC	TSS200;TSS200;5'UTR		5	112073373	0.00035008	0.358942	0.212905	0.571846
cg22035501	APC	TSS200;TSS200;5'UTR		5	112073398	0.00037244	0.367056	0.200599	0.567655
cg11613015	APC	TSS200;TSS200;5'UTR		5	112073406	0.00023684	0.387485	0.244719	0.632204
cg14479889	APC	TSS200;TSS200;5'UTR		5	112073426	0.0001019	0.443098	0.232895	0.675993
cg16970232	APC	TSS200;TSS200;5'UTR		5	112073433	0.00011805	0.415827	0.210076	0.625903
cg03667968	APC	TSS200;TSS200;5'UTR		5	112073438	0.00013098	0.442097	0.248338	0.690435
cg20311501	APC	TSS200;TSS200;5'UTR		5	112073502	0.00013128	0.334659	0.24673	0.581389
cg02786012	ARL9	5'UTR;1stExon	4	4	57371589	0.00014663	0.361728	0.204116	0.565844
cg06922635	ARL9	5'UTR;1stExon		4	57371607	0.0002717	0.335842	0.228657	0.564499
cg15846316	ARL9	5'UTR		4	57371719	0.00022548	0.348676	0.143457	0.492133
cg04528060	ARL9	5'UTR		4	57371868	0.00014598	0.320011	0.113041	0.433052
cg17852104	BHLHB9	5'UTR;	3	X	102000694	0.00029373	0.306912	0.365666	0.672578
cg09789426	BHLHB9	5'UTR;		X	102000698	0.00018677	0.315975	0.307778	0.623753
cg04039555	BHLHB9	TSS200;5'UTR;5'UTR;		X	102000746	0.00182599	0.309769	0.196077	0.505846
cg04542030	BOLA3	TSS1500;TSS1500	2	2	74375469	9.67E-05	0.323151	0.232424	0.555574
cg02051239	BOLA3	TSS1500;TSS1500		2	74375507	0.00015584	0.32866	0.215953	0.544613
cg04986616	C11orf95	TSS1500	3	11	63537378	0.0001183	0.385347	0.288985	0.674332
cg09907758	C11orf95	TSS1500		11	63537459	0.00015582	0.339216	0.344513	0.683728
cg11686923	C11orf95	TSS1500		11	63537473	0.00014918	0.33446	0.260061	0.594521
cg13958426	C1orf114	1stExon;5'UTR	4	1	169396637	0.00053067	0.3052	0.190717	0.495918
cg00002719	C1orf114	TSS200		1	169396706	0.00042278	0.357403	0.245879	0.603282
cg08104202	C1orf114	TSS200		1	169396712	0.00051046	0.337702	0.22611	0.563812
cg23818870	C1orf114	TSS200		1	169396785	0.00014755	0.339276	0.232213	0.571489
cg10426464	C2CD4B	TSS200	2	15	62457529	0.00021669	0.342036	0.224946	0.566982
cg08472125	C2CD4B	TSS200		15	62457537	0.00029441	0.330351	0.263821	0.594172
cg10168635	C2orf88	TSS1500;5'UTR;TSS1500;5'UTR	2	2	191044980	0.00012365	0.307245	0.269935	0.57718
cg11448068	C2orf88	TSS1500;5'UTR;TSS1500;5'UTR		2	191045026	0.0001167	0.343871	0.196354	0.540225
cg00604840	C5orf4	5'UTR;1stExon	4	5	154230173	0.0001008	0.370954	0.244483	0.615437

cg18188717	C5orf4	TSS200		5	154230223	0.00010938	0.353325	0.25044	0.603764
cg10257049	C5orf4	TSS200		5	154230308	0.00012287	0.332343	0.297476	0.629819
cg18260397	C5orf4	TSS1500		5	154230438	0.00012306	0.308226	0.211019	0.519245
cg21088420	C5orf49	Body	3	5	7849836	0.00010886	0.332535	0.270445	0.60298
cg25214789	C5orf49	Body		5	7850070	0.00018525	0.324669	0.213932	0.538601
cg12539796	C5orf49	Body		5	7850203	0.00057368	0.310047	0.358449	0.668496
cg05355225	CA3	TSS1500	3	8	86350568	0.0003813	0.350947	0.288779	0.639726
cg18674980	CA3	TSS1500		8	86350581	0.00025459	0.335992	0.304629	0.640621
cg07560510	CA3	TSS1500		8	86350592	0.00023911	0.353458	0.258359	0.611817
cg20265803	CCDC8	TSS200	2	19	46917036	0.00016324	0.318709	0.279405	0.598114
cg03576469	CCDC8	TSS200		19	46917061	0.00010614	0.354532	0.21135	0.565882
cg26057751	CD8A	Body;Body;Body;Body	2	2	87016259	0.00013971	0.335166	0.373639	0.708804
cg07152196	CD8A	Body;Body;Body;Body		2	87016436	0.00013423	0.309979	0.189231	0.49921
cg21929477	CHN2	TSS1500;5'UTR;5'UTR	2	7	29185545	0.00012489	0.326751	0.247	0.573752
cg12334180	CHN2	TSS1500;5'UTR;5'UTR		7	29185839	0.0001318	0.301048	0.237873	0.538922
cg01940855	CHST11	Body	2	12	104852355	0.00014725	0.316546	0.158381	0.474927
cg23855505	CHST11	Body		12	104852439	0.00031979	0.316101	0.207934	0.524035
cg06284231	CLEC14A	1stExon	3	14	38724255	0.000159	0.334583	0.287559	0.622142
cg25292550	CLEC14A	1stExon		14	38724646	0.00018322	0.325035	0.281302	0.606337
cg16404157	CLEC14A	1stExon		14	38724648	0.00019804	0.301744	0.302385	0.604129
cg07285673	CLIP4	TSS1500	4	2	29337984	0.00017453	0.31142	0.24887	0.56029
cg09695033	CLIP4	TSS1500		2	29337988	0.00018477	0.303963	0.206711	0.510674
cg25737323	CLIP4	TSS1500		2	29338100	0.00068285	0.301948	0.222125	0.524073
cg13257636	CLIP4	TSS200		2	29338109	0.0004104	0.336903	0.249227	0.58613
cg18107562	CPVL	1stExon;TSS200;5'UTR;5'UTR	2	7	29185963	0.00048048	0.300998	0.245975	0.546973
cg22187722	CPVL	5'UTR;1stExon;5'UTR		7	29185965	0.00031161	0.325997	0.290849	0.616845
cg26537639	CYBA	1stExon	2	16	88717374	0.00030116	0.304318	0.302515	0.606833
cg04879832	CYBA	1stExon;5'UTR		16	88717456	0.00027598	0.374895	0.27146	0.646355
cg02916102	CYP11A1	1stExon;Body;5'UTR	2	15	74658244	0.00017204	0.316705	0.183509	0.500215

cg16332610	CYP11A1	1stExon;Body;5'UTR		15	74658547	0.000206	0.343996	0.260629	0.604625
cg06857304	CYP26C1	Body	2	10	94826314	0.00022721	0.318439	0.357187	0.675626
cg02466572	CYP26C1	Body		10	94826319	0.00044771	0.307283	0.309285	0.616568
cg03460682	CYP27A1	TSS200	5	2	219646316	0.00011794	0.323631	0.117635	0.441267
cg22811307	CYP27A1	TSS200		2	219646318	0.00011794	0.314871	0.116054	0.430926
cg08111152	CYP27A1	TSS200		2	219646331	8.38E-05	0.305968	0.135053	0.441021
cg10147666	CYP27A1	5'UTR;1stExon		2	219646481	9.67E-05	0.42119	0.214238	0.635428
cg14553243	CYP27A1	5'UTR;1stExon		2	219646657	8.85E-05	0.391133	0.212974	0.604107
cg01532436	CYTH2	3'UTR;3'UTR	2	19	48983942	0.00011911	0.317608	0.281937	0.599545
cg02590401	CYTH2	3'UTR;3'UTR		19	48984071	0.00011794	0.34291	0.279429	0.622339
cg04760071	DNAH8	TSS200	2	6	38682982	0.00020027	0.320433	0.26551	0.585943
cg08102185	DNAH8	TSS200		6	38682995	0.00027989	0.304767	0.25701	0.561778
cg19295951	DUOX1	TSS200;TSS200;1stExon;5'UTR	6	15	45421998	0.00088326	0.358635	0.206129	0.564764
cg08328777	DUOX1	TSS200;TSS200;1stExon;5'UTR		15	45422004	0.00068445	0.389594	0.224338	0.613932
cg24505618	DUOX1	TSS200;TSS200;1stExon;5'UTR		15	45422054	0.00066029	0.350828	0.190559	0.541387
cg05804220	DUOX1	TSS200;TSS200;TSS200		15	45422062	0.00066446	0.381629	0.222552	0.604181
cg11230298	DUOX1	TSS200;TSS200;1stExon;		15	45422066	0.00082319	0.343501	0.196302	0.539803
cg06646705	DUOX1	TSS200;TSS200;TSS200;		15	45422081	0.00154233	0.30014	0.196205	0.496346
cg04138112	DUSP27	Body	2	1	167090618	0.0004743	0.323922	0.282253	0.606175
cg17104258	DUSP27	Body		1	167090646	0.00040867	0.313019	0.20849	0.521509
cg21489390	ELF4	5'UTR;5'UTR	2	X	129243806	0.00018217	0.329557	0.214613	0.54417
cg06428055	ELF4	5'UTR;5'UTR		X	129243872	0.00015023	0.362374	0.207083	0.569458
cg21113740	ELTD1	5'UTR;1stExon	3	1	79472343	0.00023251	0.355743	0.291081	0.646825
cg04360793	ELTD1	5'UTR;1stExon		1	79472361	0.00025479	0.355996	0.37974	0.735736
cg15084543	ELTD1	5'UTR;1stExon		1	79472408	0.00056385	0.308126	0.317414	0.62554
cg07641160	FAM162B	1stExon;5'UTR	2	6	117086850	0.00049929	0.314199	0.210497	0.524696
cg13631916	FAM162B	TSS200		6	117086931	0.00033912	0.317469	0.172185	0.489654
cg13319975	FBXO30	TSS1500	4	6	146136371	0.00024025	0.315023	0.214342	0.529364
cg05347473	FBXO30	TSS1500		6	146136440	0.00031571	0.370531	0.322355	0.692886

cg23095615	FBXO30	TSS1500		6	146136563	0.00011746	0.383493	0.259746	0.64324
cg09094393	FBXO30	TSS1500		6	146136749	0.0001019	0.389679	0.265196	0.654875
cg06711837	FGF13	Body;	3	X	137792814	0.00014249	0.322944	0.318591	0.641535
cg06525551	FGF13	Body;		X	137792939	0.00021246	0.30106	0.208532	0.509592
cg05196026	FGF13	Body;1stExon;Body;Body		X	137793096	0.00023926	0.372539	0.318116	0.690656
cg13123964	FGFR1	5'UTR;	2	8	38323238	0.00016894	0.312319	0.23403	0.546349
cg00400221	FGFR1	5'UTR;		8	38323291	0.00011108	0.365908	0.225014	0.590922
cg11280896	FJX1	TSS1500	3	11	35639365	0.00021139	0.303405	0.244969	0.548374
cg15536165	FJX1	TSS1500		11	35639492	0.00018312	0.309531	0.213756	0.523287
cg10160713	FJX1	TSS1500		11	35639524	0.00019473	0.312229	0.15223	0.464458
cg04448487	GDAP1L1	TSS200	2	20	42875777	0.00023609	0.362166	0.226159	0.588325
cg09994356	GDAP1L1	TSS200		20	42875779	0.000735	0.351771	0.185202	0.536973
cg02288341	GFRA3	1stExon;5'UTR	4	5	137610226	0.00035571	0.316026	0.24145	0.557476
cg23511432	GFRA3	TSS200		5	137610255	0.00061219	0.313667	0.199456	0.513124
cg09350274	GFRA3	TSS200		5	137610396	0.0005309	0.31611	0.243663	0.559773
cg15951557	GFRA3	TSS200		5	137610421	0.00021899	0.319044	0.204434	0.523478
cg24818939	GPRASP1	TSS200;TSS200;TSS200	2	X	101906109	0.00028912	0.37689	0.176412	0.553303
cg15579650	GPRASP1	TSS200;TSS200;TSS200		X	101906119	0.00031207	0.354369	0.144275	0.498644
cg13081720	GPX3	TSS200	2	5	150399890	0.00028824	0.307401	0.236009	0.54341
cg08891071	GPX3	TSS200		5	150399909	0.00051499	0.331118	0.252037	0.583155
cg21511941	GRAMD2	Body	2	15	72489609	0.00012306	0.365086	0.372217	0.737303
cg04098270	GRAMD2	Body		15	72489686	0.00023608	0.328566	0.22226	0.550826
cg09038676	GSTP1	Body	2	11	67351608	0.00011667	0.358899	0.226985	0.585884
cg11566244	GSTP1	Body		11	67351786	0.00024916	0.309843	0.304175	0.614018
cg15924217	GSX2	TSS1500	4	4	54965684	0.00035076	0.306449	0.194286	0.500734
cg14686113	GSX2	TSS1500		4	54965829	0.00065031	0.303892	0.172232	0.476124
cg13506653	GSX2	TSS1500		4	54965863	0.0004546	0.318206	0.23776	0.555965
cg21905630	GSX2	TSS1500		4	54965904	0.00039329	0.325667	0.234053	0.55972
cg26360792	HAAO	TSS1500	2	2	43019997	0.00025842	0.340756	0.23981	0.580565

cg27299406	HAAO	TSS1500		2	43020013	0.00027273	0.336955	0.200949	0.537904
cg14449180	HCG4P6	TSS1500	4	6	29894619	0.00022352	0.360473	0.394197	0.75467
cg03995122	HCG4P6	TSS1500		6	29894642	0.00016336	0.374519	0.308798	0.683318
cg08231349	HCG4P6	TSS1500		6	29894644	0.00020027	0.337403	0.389785	0.727188
cg00409917	HCG4P6	TSS1500		6	29894679	0.00022761	0.366211	0.362902	0.729113
cg20430847	HES5	TSS200	5	1	2461820	0.0001529	0.325621	0.2326	0.55822
cg09827752	HES5	TSS200		1	2461823	0.00017381	0.332412	0.321058	0.65347
cg17755964	HES5	TSS200		1	2461834	0.00021109	0.306769	0.307846	0.614615
cg18040786	HES5	TSS200		1	2461875	0.00013334	0.327757	0.199021	0.526778
cg06839900	HES5	TSS1500		1	2461900	0.00012287	0.317436	0.225524	0.54296
cg19320816	HFE	Body;	2	6	26087776	0.00038057	0.320726	0.167524	0.48825
cg04156555	HFE	Body;		6	26087816	0.00024486	0.309317	0.180742	0.490059
cg14117138	HIF3A	TSS1500	3	19	46800085	0.00013667	0.380994	0.286651	0.667645
cg21544503	HIF3A	TSS200;Body		19	46800131	0.00021885	0.342622	0.289825	0.632446
cg14088357	HIF3A	TSS1500;1stExon		19	46800338	0.00013098	0.359097	0.264547	0.623643
cg26751972	HLA-F	Body;Body;Body	2	6	29692000	9.56E-05	0.377977	0.34873	0.726707
cg07016276	HLA-F	Body;Body;Body		6	29692009	0.0001538	0.303209	0.169754	0.472963
cg09003023	HLA-J	Body;Body	14	6	29974253	0.00014598	0.331047	0.370186	0.701233
cg08879910	HLA-J	Body;Body		6	29974319	0.00012789	0.422116	0.372834	0.794949
cg08163199	HLA-J	Body;Body		6	29974858	0.00017438	0.380048	0.275891	0.655938
cg25318809	HLA-J	Body;Body		6	29974863	0.00019452	0.37163	0.275833	0.647463
cg14781281	HLA-J	Body;Body		6	29974868	0.00019918	0.361047	0.236456	0.597503
cg08325845	HLA-J	Body;Body		6	29974886	0.00013533	0.383275	0.296015	0.67929
cg18713646	HLA-J	Body;Body		6	29974952	0.00013098	0.300944	0.232952	0.533896
cg16794576	HLA-J	Body;Body		6	29974971	0.0001183	0.319333	0.18579	0.505122
cg12976581	HLA-J	Body;Body		6	29975032	0.00011056	0.370217	0.253774	0.623992
cg14432143	HLA-J	Body;Body		6	29975061	8.85E-05	0.339647	0.18529	0.524938
cg21330423	HLA-J	Body;Body		6	29975068	0.00014141	0.368362	0.223483	0.591845
cg09659004	HLA-J	Body;Body		6	29975078	0.00014337	0.32907	0.190613	0.519684

cg05998089	HLA-J	Body;Body		6	29975141	8.85E-05	0.309006	0.191474	0.50048
cg08598483	HLA-J	Body;Body		6	29975145	0.00021011	0.302342	0.19891	0.501252
cg21899596	HOPX	1stExon;5'UTR;	2	4	57522493	0.00023011	0.36361	0.318562	0.682172
cg24852548	HOPX	1stExon;5'UTR		4	57522632	0.0001875	0.320425	0.218564	0.538989
cg23618344	HOXC4	5'UTR;Body;Body;Body	10	12	54423428	0.0001764	0.327443	0.262759	0.590202
cg07687119	HOXC4	5'UTR;Body;Body;Body		12	54423549	0.00016727	0.344455	0.309514	0.653969
cg18054172	HOXC4	5'UTR;Body		12	54424902	0.00012306	0.316827	0.283318	0.600144
cg10005224	HOXC4	5'UTR;Body		12	54424964	0.0001916	0.330704	0.306564	0.637268
cg18843682	HOXC4	5'UTR;Body		12	54425156	0.00015066	0.300983	0.313176	0.614159
cg03923561	HOXC4	5'UTR;TSS1500		12	54447220	0.00018127	0.359916	0.270388	0.630304
cg02264990	HOXC4	5'UTR;TSS1500		12	54447243	0.00030719	0.32069	0.174868	0.495557
cg07266404	HOXC4	5'UTR;TSS200		12	54447584	0.00012259	0.362258	0.262039	0.624298
cg15894722	HOXC4	5'UTR;TSS200		12	54447596	0.0002045	0.340454	0.293578	0.634031
cg20435403	HOXC4	TSS200;5'UTR		12	54447632	0.00034004	0.343859	0.254831	0.598691
cg15071854	HPDL	1stExon;5'UTR	2	1	45792688	0.00185052	0.317442	0.249994	0.567436
cg12178578	HPDL	1stExon;5'UTR		1	45792714	0.00205776	0.318894	0.218773	0.537667
cg14820199	HS3ST1	5'UTR	2	4	11429415	0.00013333	0.323819	0.215876	0.539695
cg24029517	HS3ST1	5'UTR		4	11429531	0.00030187	0.300505	0.243373	0.543879
cg22774088	JSRP1	Body	2	19	2253398	0.00025871	0.318506	0.288958	0.607464
cg18128164	JSRP1	Body		19	2253492	0.00012961	0.301561	0.264718	0.566279
cg14711997	KCNH2	5'UTR;Body;Body;1stExon	5	7	150652864	0.00013533	0.389383	0.37564	0.765023
cg20883831	KCNH2	TSS200;Body;Body		7	150652948	0.00036764	0.317769	0.210443	0.528212
cg15472092	KCNH2	TSS200;Body;Body		7	150653079	0.00012306	0.372243	0.252418	0.624661
cg18296036	KCNH2	Body;Body;TSS1500		7	150653115	0.00020354	0.333849	0.236644	0.570493
cg24830730	KCNH2	Body;Body;TSS1500		7	150653195	0.00014625	0.370288	0.282976	0.653264
cg02822259	KCNH6	Body;Body	2	17	61615504	0.00013971	0.33045	0.260367	0.590817
cg05521586	KCNH6	Body;Body;Body;Body		17	61615566	0.00013971	0.30705	0.365429	0.672479
cg04117869	KLHL1	1stExon;1stExon;Body	2	13	70681815	0.00026788	0.326398	0.277199	0.603598
cg15197609	KLHL1	1stExon;1stExon;5'UTR;;Body		13	70681838	0.0003305	0.304619	0.269383	0.574002

cg01891172	KLHL34	TSS200	2	X	21676483	0.00101151	0.309294	0.254896	0.56419
cg01828474	KLHL34	TSS200		X	21676593	0.00061567	0.307816	0.278581	0.586397
cg13490403	LHX6	Body;Body	2	9	124982413	0.00031076	0.305544	0.28855	0.594094
cg17930194	LHX6	Body;Body		9	124982834	0.00014252	0.309796	0.366746	0.676542
cg05730916	LINC01273	TSS200	2	20	48789074	0.0001019	0.304795	0.19678	0.501575
cg05499559	LINC01273	Body		20	48789176	0.00013759	0.310935	0.249147	0.560083
cg20771240	LOC100128239	Body	2	11	133906693	0.0001183	0.423195	0.275456	0.698651
cg06769296	LOC100128239	Body		11	133906761	0.00011559	0.387523	0.291272	0.678795
cg23200020	LOC643719	Body	2	19	35068555	0.00071063	0.306119	0.225996	0.532115
cg07599133	LOC643719	TSS200		19	35068628	0.00064731	0.306971	0.238455	0.545426
cg11909912	MAPT	5'UTR	3	17	43974919	0.00012306	0.366953	0.278211	0.645164
cg04382470	MAPT	5'UTR;		17	43974975	0.00015732	0.379082	0.264372	0.643454
cg10224600	MAPT	5'UTR;		17	43975063	0.00052734	0.314288	0.322434	0.636722
cg25568066	MARCH3	3'UTR		5	126205045	0.00011532	0.346252	0.206646	0.552899
cg06918474	MARCH3	3'UTR		5	126205081	0.00014337	0.379809	0.25432	0.634129
cg14173147	MOBKL2B	5'UTR	3	9	27528300	0.00013334	0.341591	0.209441	0.551031
cg21249376	MOBKL2B	5'UTR		9	27528432	0.00014252	0.321615	0.200228	0.521843
cg22262168	MOBKL2B	5'UTR		9	27528999	0.00027331	0.30348	0.224591	0.528071
cg13021619	NKX2-6	1stExon	6	8	23563859	0.00029731	0.321718	0.262395	0.584113
cg14428146	NKX2-6	TSS200		8	23563925	0.00039866	0.321951	0.235762	0.557713
cg15854847	NKX2-6	TSS200		8	23563970	0.00021724	0.328105	0.237191	0.565295
cg22747746	NKX2-6	TSS1500		8	23564193	0.00020688	0.357124	0.22706	0.584184
cg10603004	NKX2-6	TSS1500		8	23564294	0.00057595	0.304575	0.304059	0.608634
cg17875555	NKX2-6	TSS1500		8	23564490	0.00055183	0.380737	0.394891	0.775628
cg23836455	NOL3	TSS200;TSS200;TSS200;TSS200	2	16	67204226	0.00026924	0.303755	0.195946	0.499701
cg20439430	NOL3	TSS200;TSS200;TSS200;TSS200		16	67204228	0.0004204	0.309147	0.189734	0.498881
cg04850731	NXPH4	Body	3	12	57618943	0.0001394	0.332735	0.42312	0.755856
cg11505661	NXPH4	Body		12	57618965	0.00010938	0.317699	0.357676	0.675375
cg22215815	NXPH4	Body		12	57619178	8.85E-05	0.375273	0.284754	0.660027

cg24771804	ONECUT2	Body	2	18	55107755	0.0003067	0.307913	0.202162	0.510075
cg00196827	ONECUT2	Body		18	55108068	0.00086801	0.313468	0.228975	0.542443
cg08300419	PACSIN3	TSS1500	2	11	47208959	0.00016233	0.321434	0.267495	0.588929
cg24779587	PACSIN3	TSS1500		11	47209163	0.00011345	0.339976	0.257376	0.597351
cg13687039	PAQR9	TSS1500;Body	2	3	142683153	0.00046359	0.343253	0.276471	0.619724
cg01879805	PAQR9	TSS1500;Body		3	142683164	0.00099594	0.314776	0.349194	0.66397
cg23445461	PCDHGA4	Body;	2	5	140864733	0.00023336	0.337289	0.252058	0.589347
cg12145907	PCDHGA4	Body;		5	140864834	8.23E-05	0.32222	0.341631	0.663851
cg18242030	PDE4D	Body;Body;Body	4	5	58335271	0.00054006	0.317866	0.202361	0.520226
cg06768177	PDE4D	TSS200;TSS200;Body;		5	58335472	0.00048771	0.370415	0.185393	0.555808
cg01510198	PDE4D	TSS200;TSS200;Body;		5	58335483	0.00063847	0.351248	0.184459	0.535707
cg13894081	PDE4D	TSS200;TSS200;Body;		5	58335508	0.00019901	0.378656	0.242417	0.621072
cg19276365	PDE4D	TSS200;TSS200;Body;		5	58335517	0.00017919	0.315228	0.213838	0.529067
cg09329826	PDZD4	Body	2	X	153094594	0.00020315	0.350564	0.34294	0.693504
cg12763824	PDZD4	Body		X	153094947	0.00030253	0.302704	0.225768	0.528472
cg07803474	PODN	TSS200;TSS200;TSS200;TSS1500	2	1	53527551	0.00015673	0.319127	0.24035	0.559477
cg04765848	PODN	TSS1500		1	53527576	0.00016786	0.304748	0.218817	0.523565
cg14130039	PPT2	TSS200;TSS1500	2	6	32121225	0.0001615	0.332064	0.236094	0.568158
cg05133205	PPT2	TSS200;TSS1500		6	32121249	0.00035104	0.30757	0.237224	0.544794
cg13164157	PROM1	5'UTR;5'UTR	8	4	16085180	0.00027901	0.319047	0.184692	0.503739
cg18177979	PROM1	5'UTR;5'UTR;1stExon		4	16085367	0.00010065	0.414844	0.201833	0.616677
cg13709870	PROM1	5'UTR;5'UTR;1stExon		4	16085546	0.0001915	0.308042	0.342511	0.650553
cg14736058	PROM1	TSS200;5'UTR;1stExon		4	16085606	0.00010004	0.400412	0.308395	0.708807
cg10630155	PROM1	TSS200;TSS200		4	16085666	0.0001019	0.32224	0.313106	0.635346
cg04203238	PROM1	TSS200;TSS200		4	16085702	0.00014962	0.325073	0.342137	0.66721
cg26260038	PROM1	TSS200;TSS200		4	16085716	0.00011794	0.307811	0.370925	0.678736
cg18802202	PROM1	TSS200;TSS200		4	16085721	0.0001019	0.344823	0.288872	0.633694
cg07910560	PTPRN2	Body;Body;Body	9	7	157361396	0.0001183	0.310953	0.27406	0.585013
cg13937162	PTPRN2	Body;Body;Body;Body;Body		7	157361545	0.00010991	0.369718	0.215936	0.585654

cg00099393	PTPRN2	Body;Body;Body		7	157361621	0.00011725	0.30083	0.234674	0.535503
cg04288257	PTPRN2	ExonBnd;ExonBnd;ExonBnd		7	157361639	0.00013334	0.318706	0.265636	0.584343
cg11318054	PTPRN2	Body;Body;Body		7	157361692	0.0001183	0.391938	0.237012	0.62895
cg21606115	PTPRN2	Body;Body;Body		7	157361752	9.49E-05	0.357459	0.255713	0.613173
cg08022244	PTPRN2	Body;Body;Body		7	157361759	0.00010983	0.357043	0.26626	0.623302
cg07602744	PTPRN2	Body;Body;Body		7	157484164	9.67E-05	0.378468	0.253576	0.632045
cg19241327	PTPRN2	Body;Body;Body		7	157484559	0.00027859	0.317414	0.26168	0.579094
cg15229124	RBP1	TSS1500;TSS1500;TSS1500	2	3	139258912	0.00015785	0.396838	0.391897	0.788735
cg23363832	RBP1	TSS1500;TSS1500;TSS1500		3	139258939	0.00040437	0.314784	0.264673	0.579457
cg16425038	REC8	TSS200;TSS200	2	14	24641194	0.0001984	0.322219	0.298019	0.620239
cg07516252	REC8	TSS200;TSS200		14	24641201	0.00016328	0.318927	0.314202	0.633129
cg24653181	RHCG	Body	2	15	90039582	0.00012771	0.323774	0.271058	0.594831
cg18726691	RHCG	1stExon		15	90039613	9.79E-05	0.422424	0.312011	0.734435
cg27507295	RHCG	1stExon;5'UTR	6	15	90039794	9.70E-05	0.340755	0.318425	0.659179
cg07485916	RHCG	TSS200		15	90039805	0.00011532	0.311905	0.31165	0.623554
cg10721782	RHCG	TSS200		15	90039809	0.0001318	0.303272	0.315199	0.618471
cg11332236	RHCG	TSS200		15	90039818	0.00011848	0.404421	0.255485	0.659906
cg01837657	RHCG	TSS200		15	90039822	0.00014971	0.355455	0.269048	0.624503
cg01524893	RICH2	Body		17	12877227	0.00014796	0.319803	0.191021	0.510824
cg17278864	RICH2	Body		17	12877321	0.00014252	0.385465	0.251436	0.636901
cg06766427	RICH2	Body		17	12877546	0.00012001	0.352222	0.266145	0.618367
cg16585682	SCGB3A1	Body	6	5	180017623	0.00020905	0.30669	0.211952	0.518642
cg18652367	SCGB3A1	Body		5	180017689	9.49E-05	0.31488	0.177195	0.492075
cg22859061	SCGB3A1	TSS200		5	180018503	0.00022846	0.369193	0.417041	0.786233
cg15457613	SCGB3A1	TSS200		5	180018515	0.00015809	0.32099	0.240245	0.561235
cg01934626	SCGB3A1	TSS200		5	180018562	0.00012306	0.351134	0.261144	0.612278
cg11916729	SCGB3A1	TSS200		5	180018564	0.00016057	0.337932	0.24236	0.580292
cg26331172	SEMA6C	5'UTR	2	1	151118299	0.00015618	0.321636	0.373049	0.694685
cg13331550	SEMA6C	5'UTR		1	151118416	0.00011532	0.354328	0.263412	0.61774

cg25003777	SERPINB1	5'UTR	2	6	2841626	0.00012263	0.35513	0.211325	0.566455
cg07635623	SERPINB1	5'UTR		6	2841875	0.00016727	0.344736	0.232792	0.577528
cg14610403	SGIP1	TSS1500	2	1	66998812	0.00015214	0.325295	0.282911	0.608206
cg17692242	SGIP1	TSS1500;TSS1500		1	66999038	0.00012913	0.316554	0.178749	0.495303
cg18582992	SHF	Body	3	15	45479642	0.00023206	0.351804	0.330518	0.682323
cg24033558	SHF	Body		15	45479755	0.00015761	0.379363	0.242503	0.621865
cg17102582	SHF	1stExon;1stExon;1stExon;Body		15	45479792	0.00016854	0.383399	0.28276	0.666159
cg24302235	SLC2A2	TSS1500	4	3	170746073	0.00013983	0.370331	0.229622	0.599953
cg01146875	SLC2A2	TSS1500		3	170746172	0.00010983	0.404105	0.300081	0.704186
cg07139301	SLC2A2	TSS1500		3	170746207	0.00014339	0.402468	0.241118	0.643586
cg14777768	SLC2A2	TSS1500		3	170746265	0.00013333	0.385765	0.33779	0.723555
cg12763828	SLC2A5	5'UTR;;1stExon;1stExon;Body	2	1	9129646	0.00011592	0.317679	0.307328	0.625007
cg00310940	SLC2A5	5'UTR;1stExon;1stExon;Body		1	9129648	0.0001183	0.311853	0.277534	0.589388
cg11417025	SOSTDC1	TSS200	2	7	16505589	0.00013264	0.301518	0.271052	0.57257
cg07220448	SOSTDC1	TSS200		7	16505592	0.00012299	0.30828	0.321663	0.629943
cg04265797	SSTR1	3'UTR	2	14	38679952	0.0001235	0.302102	0.254877	0.55698
cg04573550	SSTR1	3'UTR		14	38680313	0.00012233	0.323715	0.284751	0.608466
cg01287975	TAC1	TSS200;TSS200;TSS200;TSS200	4	7	97361241	0.0003605	0.31368	0.393335	0.707015
cg11873482	TAC1	TSS200;TSS200;TSS200;TSS200		7	97361244	0.00035903	0.333668	0.309884	0.643551
cg17437939	TAC1	TSS200;TSS200;TSS200;TSS200		7	97361252	0.00033623	0.311081	0.433034	0.744114
cg16288089	TAC1	5'UTR;1stExon;1stExon;5'UTR;		7	97361408	0.00111929	0.302389	0.293885	0.596274
cg24098326	TACC2	Body;TSS200;TSS200;Body	2	10	123923050	0.00014922	0.344916	0.230564	0.575479
cg06966660	TACC2	Body;TSS200;TSS200;Body		10	123923066	0.0002289	0.332565	0.266731	0.599296
cg20591112	TIAM1	TSS1500	3	21	32932324	0.00027392	0.314562	0.206979	0.521541
cg13748469	TIAM1	TSS1500		21	32932341	0.0004461	0.332761	0.206115	0.538875
cg17458922	TIAM1	TSS1500		21	32932343	0.00017255	0.36564	0.252924	0.618564
cg27521476	TLX1	Body	2	10	102896376	0.00018715	0.313291	0.325731	0.639022
cg01175020	TLX1	Body		10	102896475	0.00037114	0.317286	0.337978	0.655263
cg19548479	TMEM106A	TSS200	5	17	41363737	0.00010235	0.36738	0.213878	0.581258

cg24940138	TMEM106A	TSS200		17	41363741	0.00018369	0.354264	0.225549	0.579813
cg03049782	TMEM106A	TSS200		17	41363891	8.85E-05	0.381729	0.226908	0.608636
cg24008544	TMEM106A	5'UTR;1stExon		17	41363899	0.0001019	0.404569	0.192904	0.597473
cg18222083	TMEM106A	5'UTR		17	41364007	0.00021079	0.367403	0.281573	0.648975
cg23831143	TNFRSF10C	TSS200	2	8	22960427	0.00021563	0.335777	0.218447	0.554224
cg27090216	TNFRSF10C	5'UTR;1stExon		8	22960461	0.0001183	0.372096	0.241496	0.613592
cg08396863	TUBA4B	TSS1500;Body	3	2	220117599	0.00011298	0.300615	0.256085	0.5567
cg08378442	TUBA4B	TSS1500;Body		2	220117704	0.0001318	0.318976	0.1786	0.497576
cg16725050	TUBA4B	TSS200;Body		2	220117771	9.49E-05	0.383664	0.266517	0.650181
cg04825044	TXNRD1	TSS200	3	12	104609402	0.00012306	0.331409	0.290154	0.621563
cg14142965	TXNRD1	TSS200		12	104609432	0.0002778	0.38441	0.197577	0.581987
cg17395064	TXNRD1	TSS200		12	104609476	0.00015922	0.345096	0.271955	0.617051
cg22538054	USP44	5'UTR;5'UTR	3	12	95941988	9.67E-05	0.491277	0.317345	0.808622
cg03918605	USP44	TSS200;5'UTR;5'UTR		12	95942081	0.00015523	0.392395	0.233286	0.625681
cg00256076	USP44	TSS200;5'UTR;5'UTR		12	95942086	0.00018174	0.358259	0.220572	0.578831
cg23740882	WFDC2	TSS200	2	20	44098387	0.00024369	0.319419	0.237742	0.557161
cg00980978	WFDC2	Body		20	44098724	0.00020396	0.315448	0.223485	0.538933
cg27049766	ZNF154	5'UTR;1stExon	5	19	58220516	0.00015428	0.347937	0.319461	0.667399
cg03234186	ZNF154	TSS200		19	58220657	0.00014674	0.313877	0.331218	0.645095
cg08668790	ZNF154	TSS200		19	58220662	0.0001609	0.327252	0.302201	0.629453
cg12506930	ZNF154	TSS200		19	58220718	0.0001183	0.323238	0.334235	0.657473
cg26465391	ZNF154	TSS200		19	58220773	0.0001183	0.318484	0.326323	0.644807
cg10783469	ZNF577	TSS200;TSS200;TSS200	4	19	52391234	0.00064328	0.319455	0.280978	0.600433
cg16731240	ZNF577	TSS200;TSS200;TSS200		19	52391250	0.00026924	0.328658	0.302673	0.631332
cg23010048	ZNF577	TSS200;TSS200;TSS200		19	52391257	0.00038348	0.301876	0.340959	0.642835
cg11269599	ZNF577	TSS200;TSS200;TSS200		19	52391304	0.00054431	0.308428	0.285639	0.594067
cg25666433	ZSCAN12	Body;5'UTR	3	6	28367279	0.000159	0.334584	0.213363	0.547947
cg02622316	ZSCAN12	Body;5'UTR		6	28367410	0.00012797	0.397417	0.261093	0.65851
cg23164203	ZSCAN12	Body;5'UTR;1stExon		6	28367475	0.00018991	0.302519	0.192559	0.495077

