

Table SI. Clinicopathological patient characteristics and overview of the experimental design.

ID	Sex	Age (years)	Histologic grade	Location	OP	Adjuvant Tx	Recurrence (n)	Death	F/U (months)	Experimental method			
										Methylation	WES	sequencing RNA	CCP
P1	F	32	LG	BG and Thalamus	GTR	RT	N	N	21	Y	ND	ND	Y
P2	M	48	LG	Frontoparietal lobe	STR	GKRS	N	N	17	Y	ND	ND	Y
P3	F	53	LG	4th Ventricle	NTR	ND	N	N	30	Y	Y	Y	ND
P4	F	48	LG	4th Ventricle	NTR	GKRS, RT	N	N	13	Y	ND	ND	Y
P5	F	25	HG	4th Ventricle	GTR	RT	N	N	16	Y	Y	Y	ND
P6	M	41	HG	4th Ventricle	NA	RT	N	N	187	Y	Y	Y	ND
P7	F	29	HG	4th Ventricle	GTR	RT	Y (1)	N	64	Y	ND	Y	ND
P8	M	48	HG	Temporal lobe, BG and thalamus	GTR	GKRS, RT	Y (1)	N	11	Y	ND	ND	Y
P9	F	6	LG	Frontal lobe	GTR	RT	N	N	49	Y	Y	Y	ND
P10	M	2	HG	4th Ventricle and medulla	NTR	RT	Y (1)	N	72	Y	ND	ND	Y
P11	M	3	HG	4th and 3rd Ventricle	NTR	GKRS, RT	Y (2)	Y	36	Y	ND	ND	Y
P12	F	3	HG	4th Ventricle and medulla	NTR	GKRS, RT	Y (5)	N	66	Y	Y	ND	ND
P13	F	38	LG	4th Ventricle	NA	ND	N	N	41	ND	ND	ND	Y
Total	F 8 M 5	Adult ^a 9 Child ^a 4	HG 7 LG 6	ST: 4 PF: 9	-	-	5	1	-	12	5	5	7

^aAdult, ≥20 years old; Child, <20 years old. OP, operation method; Tx, treatment; F/U, follow up; m, months; WES, whole exome sequencing; CCP, comprehensive cancer panel; BG, basal ganglia; F, female; M, male; LG, low grade; HG, high grade; GTR, gross total resection; STR, subtotal resection; NTR, near total resection; NA, not applicable; RT, radiation therapy; GKRS, gamma knife radiation surgery; ST, Supratentorial; PF, posterior fossa; ND, not done; N, no; Y, yes; P, patient.

Table SII. Genes exhibiting different β -values >0.4 in adults vs. children.

CpG ID	Adult Methyl level	Child Methyl level	Chromosome	Position	Strand	Genes	RefSeqIDs	Gene location
cg00092518	0.82	0.36	13	50070550	F	<i>PHF11</i>	NM_001040443	Body
cg00178635	0.85	0.44	17	80771428	F	<i>TBCD</i>	NM_005993	Body
cg00178864	0.82	0.35	4	140201574	F	<i>C4orf49</i>	NM_032623	TSS200
cg00250430	0.55	0.15	9	1051579	R	<i>DMRT2</i>	NM_001130865	5' UTR
cg00254095	0.83	0.32	18	47016218	F	<i>RPL17</i>	NM_000985	Body
cg00300672	0.80	0.37	2	125077436	R	<i>CNTNAP5</i>	NM_130773	Body
cg00347757	0.79	0.31	13	20768560	R	<i>GJB2</i>	NM_004004	TSS1500
cg00396667	0.50	0.05	5	134364387	R	<i>PITX1</i>	NM_002653	3' UTR
cg00404053	0.58	0.13	1	178313656	R	<i>RASAL2</i>	NM_004841	Body
cg00463367	0.81	0.40	10	8103673	R	<i>GATA3</i>	NM_001002295	Body
cg00499700	0.71	0.26	5	76116088	F	<i>F2RL1</i>	NM_005242	Body
cg00567703	0.78	0.34	12	54413101	F	<i>HOXC4</i>	NM_014620	5' UTR
cg00611789	0.72	0.19	5	78985432	F	<i>CMYA5</i>	NM_153610	TSS1500
cg00705992	0.86	0.46	7	27226329	F	<i>HOXA11AS</i>	NR_002795	Body
cg00736299	0.63	0.19	16	4730465	F	<i>MGRN1</i>	NM_015246	Body
cg00825441	0.68	0.28	X	128789389	F	<i>APLN</i>	NM_017413	TSS1500
cg00827382	0.72	0.31	2	134180028	R	<i>NCKAP5</i>	NM_207363	Body
cg00953443	0.82	0.41	8	141577413	R	<i>EIF2C2</i>	NM_012154	Body
cg00989315	0.84	0.42	7	21982818	F	<i>CDCA7L</i>	NM_001127371	Body
cg01039355	0.83	0.34	19	2867410	R	<i>ZNF556</i>	NM_024967	1st Exon
cg01077178	0.90	0.39	10	22608674	F	<i>COMMD3</i>	NM_012071	Body
cg01108370	0.66	0.18	7	151330008	F	<i>PRKAG2</i>	NM_016203	Body
cg01184282	0.67	0.27	7	141617618	R	<i>OR9A4</i>	NM_001001656	TSS1500
cg01233934	0.71	0.27	6	100059961	R	<i>PRDM13</i>	NM_021620	Body
cg01255894	0.64	0.19	10	8099218	F	<i>GATA3</i>	NM_001002295	Body
cg01263942	0.75	0.29	10	695859	F	<i>DIP2C</i>	NM_014974	Body
cg01379240	0.44	0.03	3	138666144	F	<i>C3orf72</i>	NM_001040061	5' UTR
cg01578875	0.73	0.29	4	146804010	R	<i>ZNF827</i>	NM_178835	Body
cg01643123	0.45	0.04	12	63207179	R	<i>PPM1H</i>	NM_020700	Body
cg01662869	0.59	0.15	16	4730410	R	<i>MGRN1</i>	NM_015246	Body
cg01701504	0.87	0.46	12	132682608	R	<i>GALNT9</i>	NM_001122636	Body
cg01713438	0.74	0.27	1	175116228	R	<i>TNN</i>	NM_022093	3' UTR
cg01728482	0.77	0.34	2	85389840	F	<i>TCF7L1</i>	NM_031283	Body
cg01756700	0.77	0.34	8	101319770	R	<i>RNF19A</i>	NM_183419	5' UTR
cg01768686	0.68	0.24	17	4337111	R	<i>SPNS3</i>	NM_182538	TSS200
cg01774894	0.53	0.12	17	46674395	F	<i>LOC404266</i>	NR_033203	Body
cg01838596	0.79	0.35	6	4862376	R	<i>CDYL</i>	NM_001143970	5' UTR
cg01871581	0.80	0.35	19	12707946	F	<i>ZNF490</i>	NM_020714	Body
cg01889574	0.75	0.30	11	44590889	R	<i>CD82</i>	NM_002231	5' UTR
cg01943641	0.73	0.29	12	57400910	F	<i>ZBTB39</i>	NM_014830	TSS1500
cg02054792	0.59	0.18	2	106014950	F	<i>FHL2</i>	NM_201557	5' UTR
cg02332491	0.82	0.39	12	47180824	R	<i>SLC38A4</i>	NM_018018	Body
cg02447462	0.68	0.23	19	861071	F	<i>CFD</i>	NM_001928	Body
cg02482438	0.66	0.25	6	49753577	F	<i>PGK2</i>	NM_138733	3' UTR
cg02499308	0.81	0.38	2	135594780	F	<i>ACMSD</i>	NM_138326	TSS1500
cg02555243	0.81	0.35	12	24097128	R	<i>SOX5</i>	NM_152989	5' UTR
cg02583228	0.82	0.21	15	26885279	R	<i>GABRB3</i>	NM_000814	Body
cg02585622	0.76	0.34	6	49988602	R	<i>DEFB110</i>	NM_001037728	Body
cg02667677	0.58	0.16	6	106545984	F	<i>PRDM1</i>	NM_001198	Body
cg02716776	0.86	0.36	19	3178413	R	<i>SIPR4</i>	NM_003775	TSS1500
cg02767665	0.71	0.30	12	129788385	F	<i>TMEM132D</i>	NM_133448	Body
cg02840179	0.81	0.40	8	1534376	R	<i>DLGAP2</i>	NM_004745	Body
cg02858118	0.56	0.12	3	48694018	F	<i>CELSR3</i>	NM_001407	Body
cg02991888	0.67	0.23	19	54260014	R	<i>MIR1283-2</i>	NR_031696	TSS1500
cg03017520	0.67	0.14	18	28623090	F	<i>DSC3</i>	NM_001941	TSS1500
cg03017653	0.61	0.15	1	231115871	R	<i>TTC13</i>	NM_024525	TSS1500
cg03017850	0.86	0.36	2	54797285	F	<i>SPTBN1</i>	NM_178313	Body

Table SII. Continued.

CpG ID	Adult Methyl level	Child Methyl level	Chromosome	Position	Strand	Genes	RefSeqIDs	Gene location
cg03052078	0.79	0.23	6	147527113	R	<i>STXBP5</i>	NM_001127715	Body
cg03103888	0.73	0.31	13	114147763	F	<i>TMCO3</i>	NM_017905	5' UTR
cg03142039	0.60	0.19	11	125931532	R	<i>CDON</i>	NM_016952	5' UTR
cg03159252	0.72	0.29	19	639161	F	<i>FGF22</i>	NM_020637	TSS1500
cg03159396	0.49	0.07	6	50808813	F	<i>TFAP2B</i>	NM_003221	Body
cg03172341	0.84	0.30	8	141577150	F	<i>EIF2C2</i>	NM_012154	Body
cg03194442	0.77	0.37	10	134945099	F	<i>GPR123</i>	NM_001083909	3' UTR
cg03251918	0.70	0.23	4	156298325	R	<i>MAP9</i>	NM_001039580	TSS1500
cg03334072	0.75	0.29	7	150435779	R	<i>GIMAP5</i>	NM_018384	5' UTR
cg03354616	0.84	0.36	6	80838251	R	<i>BCKDHB</i>	NM_183050	Body
cg03432176	0.69	0.27	2	160655066	R	<i>CD302</i>	NM_014880	TSS1500
cg03449150	0.64	0.21	1	153085649	R	<i>SPRR2F</i>	NM_001014450	5' UTR
cg03526702	0.70	0.22	19	856145	F	<i>ELANE</i>	NM_001972	Body
cg03553278	0.74	0.25	2	177055168	F	<i>HOXD1</i>	NM_024501	3' UTR
cg03553786	0.75	0.16	3	13692202	R	<i>LOC285375</i>	NR_027103	TSS200
cg03602297	0.74	0.32	2	30142128	F	<i>ALK</i>	NM_004304	Body
cg03625415	0.74	0.28	5	172662741	R	<i>NKX2-5</i>	NM_001166176	TSS1500
cg03730533	0.65	0.14	7	26897685	F	<i>SKAP2</i>	NM_003930	Body
cg03862854	0.81	0.26	20	22556600	F	<i>C20orf56</i>	NR_001558	Body
cg03935183	0.87	0.43	10	8100563	F	<i>GATA3</i>	NM_001002295	Body
cg04070986	0.90	0.48	17	65040581	F	<i>CACNG1</i>	NM_000727	TSS200
cg04071964	0.69	0.22	3	100328745	R	<i>GPR128</i>	NM_032787	1st Exon
cg04154027	0.76	0.30	5	78985588	R	<i>CMYA5</i>	NM_153610	TSS200
cg04164838	0.73	0.30	19	14591148	R	<i>GIPC1</i>	NM_202470	Body
cg04246763	0.51	0.09	1	87617811	R	<i>LOC339524</i>	NR_026989	Body
cg04275695	0.75	0.29	6	149806273	F	<i>ZC3H12D</i>	NM_207360	TSS200
cg04288241	0.91	0.25	2	236444202	R	<i>AGAP1</i>	NM_014914	Body
cg04308769	0.74	0.33	1	200007623	F	<i>NR5A2</i>	NM_205860	Body
cg04330449	0.52	0.10	5	134871166	F	<i>NEUROG1</i>	NM_006161	1st Exon
cg04343101	0.59	0.13	16	1238642	F	<i>CACNA1H</i>	NM_021098	Body
cg04360793	0.80	0.39	1	79472361	R	<i>ELTD1</i>	NM_022159	5' UTR
cg04382396	0.91	0.37	19	852311	F	<i>ELANE</i>	NM_001972	5' UTR
cg04466840	0.67	0.27	5	176784719	R	<i>RGS14</i>	NM_006480	TSS200
cg04560810	0.70	0.19	5	138861847	F	<i>TMEM173</i>	NM_198282	5' UTR
cg04569615	0.69	0.24	11	20622198	R	<i>SLC6A5</i>	NM_004211	Body
cg04605987	0.70	0.23	1	200007403	F	<i>NR5A2</i>	NM_205860	Body
cg04606779	0.74	0.34	4	140201580	F	<i>C4orf49</i>	NM_032623	TSS200
cg04723436	0.85	0.43	10	7985110	R	<i>TAF3</i>	NM_031923	Body
cg04849985	0.69	0.24	1	68215783	F	<i>GNG12</i>	NM_018841	5' UTR
cg04868078	0.63	0.21	1	197898229	F	<i>LHX9</i>	NM_020204	Body
cg05057720	0.62	0.14	14	38724675	R	<i>CLEC14A</i>	NM_175060	1st Exon
cg05173913	0.76	0.27	17	34091901	F	<i>C17orf50</i>	NM_145272	3' UTR
cg05301866	0.67	0.24	2	162279964	F	<i>TBR1</i>	NM_006593	Body
cg05311410	0.51	0.06	7	27225523	F	<i>HOXA11AS</i>	NR_002795	Body
cg05338976	0.76	0.27	7	114561850	F	<i>MDFIC</i>	NM_001166345	TSS1500
cg05343811	0.76	0.25	14	75590896	R	<i>NEK9</i>	NM_033116	Body
cg05344495	0.60	0.07	19	3478662	R	<i>C19orf77</i>	NM_001136503	Body
cg05349245	0.69	0.23	4	140201539	F	<i>C4orf49</i>	NM_032623	TSS200
cg05353872	0.83	0.40	1	248366399	R	<i>OR2M3</i>	NM_001004689	1st Exon
cg05427639	0.83	0.38	7	33080496	R	<i>NT5C3</i>	NM_001166118	1st Exon
cg05436760	0.87	0.47	6	32149143	R	<i>AGER</i>	NM_172197	Body
cg05446322	0.85	0.40	13	36053408	F	<i>MIR548F5</i>	NR_031646	Body
cg05487589	0.62	0.17	8	25896196	R	<i>EBF2</i>	NM_022659	Body
cg05555207	0.54	0.09	12	114847641	F	<i>TBX5</i>	NM_080717	TSS1500
cg05575393	0.88	0.45	10	114544316	F	<i>VTI1A</i>	NM_145206	Body
cg05606376	0.79	0.37	5	38446192	F	<i>EGFLAM</i>	NM_152403	Body
cg05637536	0.56	0.13	1	154475068	F	<i>TDRD10</i>	NM_182499	5' UTR

Table SII. Continued.

CpG ID	Adult Methyl level	Child Methyl level	Chromosome	Position	Strand	Genes	RefSeqIDs	Gene location
cg05673882	0.62	0.14	5	74862702	F	<i>POLK</i>	NM_016218	Body
cg05920909	0.69	0.27	1	197889693	R	<i>LHX9</i>	NM_020204	Body
cg05979020	0.64	0.10	2	176981336	R	<i>HOXD10</i>	NM_002148	TSS200
cg05996795	0.45	0.05	6	134159303	F	<i>MGC34034</i>	NR_027029	Body
cg05997730	0.83	0.42	11	1036727	F	<i>MUC6</i>	NM_005961	TSS200
cg06035200	0.82	0.31	8	123819362	R	<i>ZHX2</i>	NM_014943	5' UTR
cg06123942	0.56	0.06	15	45722796	R	<i>C15orf48</i>	NM_197955	1st Exon
cg06130360	0.83	0.38	X	117633362	F	<i>DOCK11</i>	NM_144658	Body
cg06139006	0.71	0.22	12	132682698	F	<i>GALNT9</i>	NM_001122636	Body
cg06143897	0.64	0.07	10	112404754	R	<i>RBM20</i>	NM_001134363	Body
cg06144361	0.76	0.27	10	79003155	F	<i>KCNMA1</i>	NM_001161353	Body
cg06152586	0.88	0.47	7	157890659	F	<i>PTPRN2</i>	NM_002847	Body
cg06311863	0.77	0.34	3	55508686	R	<i>WNT5A</i>	NM_003392	Body
cg06363129	0.75	0.34	7	16505602	R	<i>SOSTDC1</i>	NM_015464	TSS200
cg06400119	0.93	0.41	7	158046222	F	<i>PTPRN2</i>	NM_002847	Body
cg06436185	0.90	0.43	7	151442351	F	<i>PRKAG2</i>	NM_016203	Body
cg06457736	0.64	0.18	3	11178683	F	<i>HRH1</i>	NM_001098213	TSS200
cg06459104	0.71	0.30	18	5456880	F	<i>EPB41L3</i>	NM_012307	Body
cg06527535	0.75	0.35	7	157633771	F	<i>PTPRN2</i>	NM_002847	Body
cg06532613	0.71	0.29	5	61713646	R	<i>IPO11</i>	NM_001134779	TSS1500
cg06611426	0.78	0.36	12	52404161	R	<i>GRASP</i>	NM_181711	Body
cg06613263	0.83	0.35	5	142779552	R	<i>NR3C1</i>	NM_001018076	Body
cg06623274	0.84	0.43	8	16050111	R	<i>MSR1</i>	NM_138715	5' UTR
cg06634950	0.59	0.16	3	169487146	R	<i>ARPM1</i>	NM_032487	1st Exon
cg06697455	0.60	0.08	5	27039965	F	<i>CDH9</i>	NM_016279	TSS1500
cg06715136	0.94	0.39	7	158046025	F	<i>PTPRN2</i>	NM_002847	Body
cg06766860	0.92	0.51	12	132863983	R	<i>GALNT9</i>	NM_001122636	Body
cg06841902	0.86	0.41	17	3183524	F	<i>OR3A2</i>	NM_002551	TSS1500
cg06874326	0.70	0.29	8	101662790	R	<i>SNX31</i>	NM_152628	TSS1500
cg06911354	0.61	0.14	7	27197455	F	<i>HOXA7</i>	NM_006896	TSS1500
cg06912922	0.79	0.35	19	12708229	F	<i>ZNF490</i>	NM_020714	Body
cg06942701	0.65	0.16	2	162280009	R	<i>TBR1</i>	NM_006593	Body
cg06952416	0.77	0.24	5	142781736	R	<i>NR3C1</i>	NM_001018076	5' UTR
cg06960356	0.82	0.39	11	2596416	F	<i>KCNQ1</i>	NM_000218	Body
cg07037412	0.94	0.51	16	1234809	R	<i>CACNA1H</i>	NM_021098	Body
cg07162000	0.73	0.29	10	1774873	R	<i>ADARB2</i>	NM_018702	Body
cg07180458	0.66	0.26	1	19600912	R	<i>AKR7L</i>	NM_201252	TSS1500
cg07194250	0.71	0.30	X	133680463	F	<i>MGC16121</i>	NR_024607	Body
cg07220448	0.73	0.27	7	16505592	R	<i>SOSTDC1</i>	NM_015464	TSS200
cg07251194	0.44	0.04	16	67850705	F	<i>TSNAXIP1</i>	NM_018430	5' UTR
cg07315010	0.56	0.15	1	242161780	F	<i>MAP1LC3C</i>	NM_001004343	Body
cg07483650	0.62	0.17	1	248525007	R	<i>OR2T4</i>	NM_001004696	1st Exon
cg07538204	0.74	0.19	8	62612575	F	<i>ASPH</i>	NM_001164755	Body
cg07659054	0.66	0.25	7	27134225	R	<i>HOXA1</i>	NM_153620	3' UTR
cg07676002	0.61	0.19	20	44880000	R	<i>CDH22</i>	NM_021248	1st Exon
cg07733851	0.84	0.32	5	142781498	R	<i>NR3C1</i>	NM_001018076	5' UTR
cg07811110	0.52	0.12	12	85307131	F	<i>SLC6A15</i>	NM_018057	TSS1500
cg07830472	0.85	0.37	7	97983916	F	<i>BAIAP2L1</i>	NM_018842	Body
cg07849944	0.50	0.09	16	6623738	R	<i>A2BP1</i>	NM_001142333	5' UTR
cg07859138	0.52	0.12	X	118751995	F	<i>06-Sep</i>	NM_145800	3' UTR
cg07869023	0.75	0.33	20	17212376	F	<i>PCSK2</i>	NM_002594	Body
cg07876788	0.63	0.23	7	134849633	R	<i>TMEM140</i>	NM_018295	Body
cg07931792	0.85	0.43	19	12707809	F	<i>ZNF490</i>	NM_020714	Body
cg07932300	0.69	0.16	6	139454928	R	<i>HECA</i>	NM_016217	TSS1500
cg07970752	0.75	0.27	16	817463	R	<i>MSLN</i>	NM_005823	Body
cg08124030	0.71	0.31	3	149095283	F	<i>TM4SF1</i>	NM_014220	1st Exon
cg08128826	0.62	0.22	1	197898217	F	<i>LHX9</i>	NM_020204	Body

Table SII. Continued.

CpG ID	Adult Methyl level	Child Methyl level	Chromosome	Position	Strand	Genes	RefSeqIDs	Gene location
cg08136432	0.73	0.32	16	88902276	R	<i>GALNS</i>	NM_000512	Body
cg08171351	0.64	0.16	22	17600844	R	<i>CECR6</i>	NM_001163079	Body
cg08178940	0.63	0.13	6	50808627	R	<i>TFAP2B</i>	NM_003221	Body
cg08261450	0.70	0.25	12	130384734	R	<i>TMEM132D</i>	NM_133448	Body
cg08278554	0.67	0.08	15	45722919	F	<i>C15orf48</i>	NM_197955	5' UTR
cg08305799	0.63	0.20	8	30580804	F	<i>GSR</i>	NM_000637	Body
cg08314300	0.86	0.45	2	162278173	R	<i>TBR1</i>	NM_006593	Body
cg08401657	0.88	0.45	6	10399046	F	<i>TFAP2A</i>	NM_001042425	Body
cg08401703	0.93	0.53	16	1493637	F	<i>CCDC154</i>	NM_001143980	Body
cg08480068	0.89	0.48	16	29674959	F	<i>SPN</i>	NM_001030288	5' UTR
cg08549497	0.81	0.40	16	79081390	R	<i>WWOX</i>	NM_016373	Body
cg08569979	0.59	0.19	13	41053715	F	<i>LOC646982</i>	NR_024506	Body
cg08635064	0.81	0.37	7	42273390	R	<i>GLI3</i>	NM_000168	5' UTR
cg08657589	0.89	0.42	6	31673939	F	<i>LY6G6F</i>	NM_001003693	TSS1500
cg08692733	0.64	0.06	10	112404738	R	<i>RBM20</i>	NM_001134363	Body
cg08745288	0.70	0.25	7	96637152	R	<i>DLX6AS</i>	NR_015448	Body
cg08782022	0.63	0.07	16	4730136	F	<i>MGRN1</i>	NM_015246	Body
cg08831077	0.69	0.29	3	11178745	R	<i>HRH1</i>	NM_001098213	TSS200
cg08836954	0.79	0.39	5	179235209	R	<i>SQSTM1</i>	NM_001142298	5' UTR
cg08857063	0.70	0.13	6	50808667	F	<i>TFAP2B</i>	NM_003221	Body
cg08900101	0.64	0.18	12	114833043	R	<i>TBX5</i>	NM_000192	Body
cg08912860	0.77	0.30	12	132863782	F	<i>GALNT9</i>	NM_001122636	Body
cg08934785	0.56	0.13	7	27196759	F	<i>HOXA7</i>	NM_006896	TSS1500
cg08972756	0.82	0.40	2	71133854	R	<i>VAX2</i>	NM_012476	Body
cg08986767	0.50	0.07	7	92747308	F	<i>SAMD9</i>	NM_017654	1st Exon
cg09030212	0.74	0.24	1	107681350	F	<i>NTNG1</i>	NM_001113226	TSS1500
cg09066883	0.73	0.30	7	157932951	R	<i>PTPRN2</i>	NM_002847	Body
cg09084391	0.94	0.48	5	346247	F	<i>AHRR</i>	NM_020731	Body
cg09113070	0.73	0.32	2	86114036	F	<i>ST3GAL5</i>	NM_003896	Body
cg09153895	0.63	0.19	17	58179869	R	<i>LOC653653</i>	NR_027408	Body
cg09179916	0.84	0.37	5	38445834	R	<i>EGFLAM</i>	NM_152403	Body
cg09233651	0.65	0.18	12	114838567	F	<i>TBX5</i>	NM_000192	Body
cg09340279	0.92	0.52	17	80278947	R	<i>SECTM1</i>	NM_003004	3' UTR
cg09383172	0.88	0.41	7	157932921	F	<i>PTPRN2</i>	NM_002847	Body
cg09419444	0.66	0.23	16	69958792	R	<i>WWP2</i>	NM_199424	TSS200
cg09573843	0.61	0.16	4	154409945	R	<i>KIAA0922</i>	NM_015196	Body
cg09678939	0.68	0.23	6	149806081	F	<i>ZC3H12D</i>	NM_207360	5' UTR
cg09766556	0.85	0.37	8	15096879	R	<i>SGCZ</i>	NM_139167	TSS1500
cg09816756	0.80	0.33	4	69047758	R	<i>LOC100130017</i>	NR_015446	TSS1500
cg09850478	0.97	0.51	22	43821029	R	<i>MPPED1</i>	NM_001044370	Body
cg09860047	0.71	0.31	2	227734267	R	<i>RHBDD1</i>	NM_001167608	Body
cg09866102	0.53	0.07	16	31214134	F	<i>PYCARD</i>	NM_145182	5' UTR
cg09888186	0.78	0.36	1	183782195	R	<i>RGL1</i>	NM_015149	Body
cg09902062	0.75	0.35	1	152944334	R	<i>SPRR4</i>	NM_173080	5' UTR
cg09989037	0.67	0.24	1	44300942	R	<i>ST3GAL3</i>	NM_174968	Body
cg10086212	0.46	0.05	12	49484169	F	<i>DHH</i>	NM_021044	Body
cg10113526	0.83	0.34	8	142163737	R	<i>DENND3</i>	NM_014957	Body
cg10142436	0.76	0.32	15	42209178	R	<i>EHD4</i>	NM_139265	Body
cg10160276	0.76	0.35	16	52583062	F	<i>TOX3</i>	NM_001146188	TSS1500
cg10231746	0.72	0.32	17	3337719	R	<i>OR1E2</i>	NM_003554	TSS1500
cg10317717	0.72	0.30	7	48129904	F	<i>UPP1</i>	NM_181597	5' UTR
cg10369665	0.85	0.37	7	82071752	F	<i>CACNA2D1</i>	NM_000722	Body
cg10401088	0.70	0.27	12	91505197	R	<i>LUM</i>	NM_002345	1st Exon
cg10406526	0.93	0.41	19	1051079	R	<i>ABCA7</i>	NM_019112	Body
cg10433327	0.79	0.39	15	56209506	R	<i>NEDD4</i>	NM_198400	TSS200
cg10516886	0.78	0.31	1	111415232	F	<i>CD53</i>	NM_000560	TSS1500
cg10535132	0.73	0.32	5	137224284	R	<i>PKD2L2</i>	NM_014386	TSS1500

Table SII. Continued.

CpG ID	Adult Methyl level	Child Methyl level	Chromosome	Position	Strand	Genes	RefSeqIDs	Gene location
cg10617784	0.54	0.12	2	71134586	R	<i>VAX2</i>	NM_012476	Body
cg10700435	0.83	0.34	1	40838541	R	<i>SMAP2</i>	NM_022733	TSS1500
cg10713515	0.79	0.22	10	22603999	F	<i>COMMD3</i>	NM_012071	TSS1500
cg10714639	0.73	0.32	19	1075104	F	<i>HMHA1</i>	NM_012292	Body
cg10771262	0.73	0.30	6	134209980	F	<i>TCF21</i>	NM_003206	TSS1500
cg10809485	0.75	0.34	8	53456003	R	<i>FAM150A</i>	NM_207413	Body
cg10962805	0.81	0.38	2	125672110	R	<i>CNTNAP5</i>	NM_130773	3' UTR
cg11079619	0.80	0.38	7	41742630	R	<i>INHBA</i>	NM_002192	5' UTR
cg11088471	0.77	0.31	21	38085281	R	<i>SIM2</i>	NM_009586	Body
cg11103390	0.60	0.18	10	11784920	R	<i>ECHDC3</i>	NM_024693	Body
cg11179081	0.78	0.34	6	27107756	F	<i>HIST1H2BK</i>	NM_080593	3' UTR
cg11267879	0.68	0.27	19	41619952	F	<i>CYP2F1</i>	NM_000774	TSS1500
cg11354682	0.75	0.21	19	10978833	R	<i>C19orf38</i>	NM_001136482	Body
cg11387248	0.77	0.34	19	43269877	R	<i>PSG8</i>	NM_001130167	TSS200
cg11417025	0.71	0.21	7	16505589	R	<i>SOSTDC1</i>	NM_015464	TSS200
cg11429271	0.90	0.48	15	45722346	R	<i>C15orf48</i>	NM_032413	TSS1500
cg11519930	0.85	0.40	1	44977246	F	<i>RNF220</i>	NM_018150	Body
cg11552640	0.87	0.47	4	170080712	R	<i>SH3RF1</i>	NM_020870	Body
cg11613450	0.70	0.26	19	55721792	F	<i>PTPRH</i>	NM_002842	TSS1500
cg11669516	0.59	0.16	2	217501092	R	<i>IGFBP2</i>	NM_000597	Body
cg11679455	0.89	0.39	10	8100761	F	<i>GATA3</i>	NM_001002295	Body
cg11702456	0.60	0.17	2	231280907	R	<i>SP100</i>	NM_001080391	5' UTR
cg11705975	0.73	0.26	10	120354248	R	<i>PRLHR</i>	NM_004248	Body
cg11832662	0.85	0.43	12	130968391	F	<i>RIMBP2</i>	NM_015347	5' UTR
cg11836444	0.84	0.43	4	166131163	F	<i>KLHL2</i>	NM_001161522	TSS200
cg11839815	0.81	0.39	3	127539037	F	<i>MGLL</i>	NM_007283	Body
cg11844358	0.93	0.45	18	77211065	F	<i>NFATC1</i>	NM_006162	Body
cg11946503	0.70	0.28	5	134870514	F	<i>NEUROG1</i>	NM_006161	1st Exon
cg12076463	0.69	0.22	4	85418265	R	<i>NKX6-1</i>	NM_006168	Body
cg12166610	0.54	0.03	8	31498256	R	<i>NRG1</i>	NM_013962	Body
cg12178287	0.95	0.53	19	17631836	F	<i>PGLS</i>	NM_012088	Body
cg12179011	0.59	0.18	20	22560481	F	<i>C20orf56</i>	NR_001558	TSS1500
cg12245717	0.78	0.25	20	22555206	R	<i>C20orf56</i>	NR_001558	Body
cg12256469	0.79	0.38	7	158376838	F	<i>PTPRN2</i>	NM_002847	Body
cg12258785	0.72	0.23	3	24537407	F	<i>THRB</i>	NM_001128177	TSS1500
cg12349884	0.71	0.27	6	27106988	F	<i>HIST1H2BK</i>	NM_080593	3' UTR
cg12414301	0.67	0.25	5	137224213	R	<i>PKD2L2</i>	NM_014386	TSS1500
cg12457909	0.45	0.02	7	39649359	F	<i>LOC646999</i>	NR_024390	Body
cg12468478	0.80	0.34	6	134210273	F	<i>TCF21</i>	NM_198392	1st Exon
cg12497190	0.62	0.17	6	56886216	R	<i>BEND6</i>	NM_152731	3' UTR
cg12583550	0.79	0.38	19	51838526	F	<i>VSIG10L</i>	NM_001163922	Body
cg12785694	0.63	0.22	3	160122168	F	<i>SMC4</i>	NM_005496	Body
cg12813724	0.72	0.28	1	26690537	F	<i>ZNF683</i>	NM_001114759	Body
cg12817782	0.75	0.30	11	70001754	R	<i>ANO1</i>	NM_018043	Body
cg12868707	0.78	0.32	8	75261544	R	<i>GDAP1</i>	NM_018972	TSS1500
cg12978800	0.66	0.23	7	151403164	F	<i>PRKAG2</i>	NM_016203	Body
cg13052101	0.93	0.41	11	68517529	R	<i>MTL5</i>	NM_001039656	Body
cg13071386	0.52	0.10	3	37494403	R	<i>ITGA9</i>	NM_002207	Body
cg13144059	0.81	0.24	2	201245077	F	<i>SPATS2L</i>	NM_015535	5' UTR
cg13200550	0.78	0.37	12	66221789	F	<i>RPSAP52</i>	NR_026825	TSS1500
cg13212956	0.59	0.13	6	134209935	F	<i>TCF21</i>	NM_003206	TSS1500
cg13275603	0.53	0.08	5	73927487	R	<i>ENC1</i>	NM_003633	3' UTR
cg13298147	0.76	0.19	6	10416508	R	<i>TFAP2A</i>	NM_001042425	Body
cg13322252	0.71	0.30	1	15392793	R	<i>KIAA1026</i>	NM_201628	Body
cg13327911	0.70	0.15	6	55965977	F	<i>COL21A1</i>	NM_030820	Body
cg13390630	0.70	0.11	20	44803246	R	<i>CDH22</i>	NM_021248	Body
cg13406893	0.74	0.34	12	131568647	F	<i>GPR133</i>	NM_198827	Body

Table SII. Continued.

CpG ID	Adult Methyl level	Child Methyl level	Chromosome	Position	Strand	Genes	RefSeqIDs	Gene location
cg13477354	0.90	0.48	1	101705539	F	<i>S1PR1</i>	NM_001400	Body
cg13538637	0.72	0.23	7	7759221	F	<i>RPA3</i>	NM_002947	TSS1500
cg13630043	0.56	0.12	10	119307769	R	<i>EMX2</i>	NM_001165924	3' UTR
cg13720022	0.79	0.37	9	95264477	F	<i>CENPP</i>	NM_001012267	Body
cg13759674	0.47	0.04	9	140051205	R	<i>GRIN1</i>	NM_000832	Body
cg13864794	0.52	0.12	7	16505664	F	<i>SOSTDC1</i>	NM_015464	TSS200
cg13885155	0.77	0.35	2	175458782	R	<i>WIPF1</i>	NM_003387	5' UTR
cg13951664	0.74	0.18	21	15914403	F	<i>SAMSN1</i>	NM_022136	Body
cg13984289	0.64	0.23	17	10220829	F	<i>MYH13</i>	NM_003802	Body
cg14002772	0.85	0.39	9	2047373	F	<i>SMARCA2</i>	NM_139045	Body
cg14071579	0.54	0.11	9	126794830	F	<i>LHX2</i>	NM_004789	Body
cg14150186	0.76	0.30	9	105764606	R	<i>CYLC2</i>	NM_001340	Body
cg14188840	0.88	0.47	7	27220398	F	<i>HOXA10</i>	NM_153715	TSS1500
cg14314744	0.60	0.14	6	100897445	R	<i>SIM1</i>	NM_005068	Body
cg14317513	0.76	0.35	21	38074992	R	<i>SIM2</i>	NM_009586	Body
cg14323173	0.52	0.09	7	92747373	R	<i>SAMD9</i>	NM_017654	TSS200
cg14354631	0.82	0.42	7	158058752	R	<i>PTPRN2</i>	NM_002847	Body
cg14377594	0.86	0.32	9	1051505	R	<i>DMRT2</i>	NM_001130865	5' UTR
cg14425564	0.67	0.18	9	126794772	R	<i>LHX2</i>	NM_004789	Body
cg14477114	0.86	0.42	3	65914296	R	<i>MAGI1</i>	NM_015520	Body
cg14557487	0.80	0.36	2	162279686	R	<i>TBR1</i>	NM_006593	Body
cg14566901	0.87	0.44	11	57948705	R	<i>OR9Q1</i>	NM_001005212	3' UTR
cg14621217	0.60	0.14	17	80944134	F	<i>B3GNTL1</i>	NM_001009905	Body
cg14631834	0.57	0.05	18	28623040	F	<i>DSC3</i>	NM_001941	TSS1500
cg14632030	0.69	0.28	11	60144545	F	<i>MS4A7</i>	NM_206939	TSS1500
cg14643892	0.70	0.28	12	64784070	F	<i>C12orf56</i>	NM_001170633	Body
cg14677130	0.95	0.45	5	38445916	R	<i>EGFLAM</i>	NM_152403	Body
cg14689537	0.76	0.35	10	94450866	R	<i>HHEX</i>	NM_002729	Body
cg14719722	0.58	0.13	7	150148022	F	<i>GIMAP8</i>	NM_175571	5' UTR
cg14753321	0.51	0.10	5	176784914	F	<i>RGS14</i>	NM_006480	5' UTR
cg14862395	0.65	0.22	20	44879700	R	<i>CDH22</i>	NM_021248	1st Exon
cg14864167	0.82	0.42	8	66751182	R	<i>PDE7A</i>	NM_002604	Body
cg14942424	0.68	0.24	20	55207002	F	<i>TFAP2C</i>	NM_003222	Body
cg15033552	0.84	0.41	1	223889141	F	<i>CAPN2</i>	NM_001146068	TSS200
cg15037823	0.59	0.17	3	71730474	F	<i>EIF4E3</i>	NM_001134651	3' UTR
cg15084543	0.77	0.35	1	79472408	R	<i>ELTD1</i>	NM_022159	5' UTR
cg15197065	0.67	0.24	5	78985562	R	<i>CMYA5</i>	NM_153610	TSS200
cg15205435	0.53	0.11	1	6187920	R	<i>CHD5</i>	NM_015557	Body
cg15205441	0.74	0.32	10	126782357	R	<i>CTBP2</i>	NM_001083914	5' UTR
cg15232885	0.74	0.27	X	140925367	R	<i>MAGEC3</i>	NM_138702	TSS1500
cg15242225	0.73	0.32	21	36421857	F	<i>RUNX1</i>	NM_001754	TSS1500
cg15267232	0.52	0.08	10	8097689	F	<i>GATA3</i>	NM_001002295	Body
cg15352315	0.64	0.15	2	160655036	R	<i>CD302</i>	NM_014880	TSS1500
cg15372603	0.56	0.15	7	27197239	R	<i>HOXA7</i>	NM_006896	TSS1500
cg15418499	0.59	0.19	11	112028288	F	<i>IL18</i>	NM_001562	5' UTR
cg15460348	0.58	0.17	4	88896909	F	<i>SPPI</i>	NM_001040058	1st Exon
cg15486123	0.71	0.30	1	152881815	F	<i>IVL</i>	NM_005547	5' UTR
cg15564098	0.51	0.10	7	27281346	R	<i>EVX1</i>	NM_001989	TSS1500
cg15576730	0.83	0.29	19	55693151	F	<i>SYT5</i>	NM_003180	TSS1500
cg15654485	0.75	0.30	6	32523136	F	<i>HLA-DRB6</i>	NR_001298	Body
cg15700429	0.73	0.30	6	32520620	F	<i>HLA-DRB6</i>	NR_001298	Body
cg15740507	0.80	0.35	3	99988576	F	<i>TBC1D23</i>	NM_018309	Body
cg15751116	0.73	0.32	7	42267383	R	<i>GLI3</i>	NM_000168	5' UTR
cg15877399	0.76	0.32	12	116625593	R	<i>MED13L</i>	NM_015335	Body
cg16038003	0.65	0.22	7	27226148	F	<i>HOXA11AS</i>	NR_002795	Body
cg16049699	0.66	0.22	19	17800285	F	<i>UNC13A</i>	NM_001080421	TSS1500
cg16114141	0.78	0.34	6	139351353	R	<i>C6orf115</i>	NM_021243	5' UTR

Table SII. Continued.

CpG ID	Adult Methyl level	Child Methyl level	Chromosome	Position	Strand	Genes	RefSeqIDs	Gene location
cg16234557	0.80	0.40	10	119292062	R	<i>EMX2OS</i>	NR_002791	Body
cg16243019	0.57	0.17	7	96636746	R	<i>DLX6AS</i>	NR_015448	Body
cg16268165	0.85	0.17	5	176274344	R	<i>UNC5A</i>	NM_133369	Body
cg16270885	0.64	0.24	7	48130197	R	<i>UPP1</i>	NM_181597	5' UTR
cg16302655	0.73	0.32	11	113185879	F	<i>TTC12</i>	NM_017868	5' UTR
cg16339238	0.47	0.04	20	23029298	R	<i>THBD</i>	NM_000361	1st Exon
cg16382778	0.68	0.27	1	152007215	R	<i>S100A11</i>	NM_005620	Body
cg16450309	0.92	0.47	3	170626822	R	<i>EIF5A2</i>	NM_020390	TSS1500
cg16559243	0.77	0.32	5	38445612	R	<i>EGFLAM</i>	NM_182801	TSS200
cg16571642	0.79	0.31	7	158045996	R	<i>PTPRN2</i>	NM_002847	Body
cg16585333	0.54	0.06	1	223302861	F	<i>TLR5</i>	NM_003268	5' UTR
cg16608652	0.70	0.27	1	193155390	R	<i>B3GALT2</i>	NM_003783	5' UTR
cg16643542	0.69	0.28	19	827843	F	<i>AZU1</i>	NM_001700	1st Exon
cg16644366	0.76	0.29	16	29674903	R	<i>SPN</i>	NM_001030288	5' UTR
cg16650212	0.82	0.42	16	1230935	F	<i>CACNA1H</i>	NM_021098	Body
cg16652920	0.49	0.04	1	7432614	R	<i>CAMTA1</i>	NM_015215	Body
cg16792160	0.77	0.31	10	52008593	R	<i>ASAH2</i>	NM_019893	TSS1500
cg16808156	0.75	0.31	20	3835875	R	<i>MAVS</i>	NM_020746	Body
cg17025741	0.59	0.12	4	114468820	F	<i>CAMK2D</i>	NM_172129	Body
cg17117277	0.58	0.16	19	3822126	F	<i>ZFR2</i>	NM_015174	Body
cg17124583	0.54	0.12	10	8097641	R	<i>GATA3</i>	NM_001002295	Body
cg17173423	0.77	0.34	11	59823993	F	<i>MS4A3</i>	NM_006138	TSS200
cg17224837	0.65	0.21	10	15148638	F	<i>NMT2</i>	NM_004808	3' UTR
cg17320707	0.54	0.14	10	119307931	R	<i>EMX2</i>	NM_001165924	3' UTR
cg17337514	0.69	0.29	7	149322773	F	<i>ZNF767</i>	NR_027789	TSS1500
cg17342132	0.85	0.44	5	142780254	F	<i>NR3C1</i>	NM_001018076	Body
cg17368760	0.49	0.06	20	23029287	R	<i>THBD</i>	NM_000361	1st Exon
cg17395738	0.77	0.37	11	78534297	F	<i>ODZ4</i>	NM_001098816	Body
cg17412248	0.49	0.08	20	44803411	R	<i>CDH22</i>	NM_021248	Body
cg17449954	0.83	0.43	1	40105667	F	<i>HEYL</i>	NM_014571	TSS1500
cg17453840	0.84	0.34	15	83317526	R	<i>CPEB1</i>	NM_030594	TSS1500
cg17466857	0.50	0.06	7	27225528	F	<i>HOXA11AS</i>	NR_002795	Body
cg17649293	0.55	0.12	2	71134791	F	<i>VAX2</i>	NM_012476	Body
cg17668728	0.59	0.15	7	92747455	R	<i>SAMD9</i>	NM_017654	TSS200
cg17673897	0.80	0.39	6	10418121	F	<i>TFAP2A</i>	NM_001042425	Body
cg17705066	0.94	0.49	19	3587038	R	<i>GIPC3</i>	NM_133261	Body
cg17808910	0.76	0.33	7	8012104	F	<i>GLCC11</i>	NM_138426	Body
cg17924072	0.66	0.23	19	1075067	F	<i>HMHA1</i>	NM_012292	Body
cg17945789	0.76	0.11	2	236444284	R	<i>AGAP1</i>	NM_014914	Body
cg17978124	0.65	0.22	6	100053438	R	<i>PRDM13</i>	NM_021620	TSS1500
cg18021161	0.51	0.09	15	76440448	R	<i>C15orf27</i>	NM_152335	Body
cg18085176	0.68	0.25	4	7939940	F	<i>AFAP1</i>	NM_198595	5' UTR
cg18115040	0.66	0.07	2	176981328	R	<i>HOXD10</i>	NM_002148	TSS200
cg18150120	0.56	0.14	2	71134936	R	<i>VAX2</i>	NM_012476	Body
cg18173058	0.56	0.15	12	114838359	R	<i>TBX5</i>	NM_000192	Body
cg18256471	0.75	0.33	19	14138943	F	<i>RLN3</i>	NM_080864	TSS200
cg18279094	0.45	0.02	1	63790044	F	<i>FOXD3</i>	NM_012183	1st Exon
cg18437033	0.85	0.43	12	130188284	F	<i>TMEM132D</i>	NM_133448	Body
cg18447645	0.58	0.16	7	155303298	R	<i>CNPY1</i>	NM_001103176	5' UTR
cg18502142	0.59	0.14	7	96622709	F	<i>DLX6AS</i>	NR_015448	Body
cg18586277	0.72	0.31	5	76116535	R	<i>F2RL1</i>	NM_005242	Body
cg18588323	0.68	0.28	15	51385891	R	<i>TNFAIP8L3</i>	NM_207381	Body
cg18687675	0.61	0.17	14	95234965	F	<i>GSC</i>	NM_173849	Body
cg18793806	0.65	0.24	2	95826087	F	<i>ZNF514</i>	NM_032788	TSS1500
cg18805164	0.87	0.35	19	36265700	R	<i>SNX26</i>	NM_052948	TSS1500
cg18857759	0.74	0.32	1	248110661	F	<i>OR2L8</i>	NM_001001963	TSS1500
cg18924324	0.54	0.08	6	100057143	F	<i>PRDM13</i>	NM_021620	Body

Table SII. Continued.

CpG ID	Adult Methyl level	Child Methyl level	Chromosome	Position	Strand	Genes	RefSeqIDs	Gene location
cg18937934	0.78	0.36	13	32634615	F	<i>FRY</i>	NM_023037	Body
cg18990313	0.50	0.07	8	38831598	R	<i>HTRA4</i>	NM_153692	TSS200
cg18998670	0.59	0.16	2	58273552	R	<i>VRK2</i>	NM_001130483	TSS200
cg19000647	0.69	0.29	2	11885321	F	<i>LPIN1</i>	NM_145693	TSS1500
cg19088141	0.64	0.23	1	113056151	R	<i>WNT2B</i>	NM_024494	Body
cg19108881	0.83	0.41	3	121902510	R	<i>CASR</i>	NM_000388	TSS200
cg19147218	0.56	0.10	7	27197555	F	<i>HOXA7</i>	NM_006896	TSS1500
cg19164987	0.80	0.22	12	54413000	F	<i>HOXC4</i>	NM_014620	5' UTR
cg19223299	0.48	0.04	6	100057160	F	<i>PRDM13</i>	NM_021620	Body
cg19262972	0.63	0.22	18	77672524	F	<i>PQLC1</i>	NM_001146345	Body
cg19320820	0.62	0.20	4	87966326	F	<i>AFF1</i>	NM_001166693	Body
cg19405329	0.75	0.35	15	49440632	F	<i>COPS2</i>	NM_001143887	Body
cg19444508	0.79	0.27	12	121104809	F	<i>CABP1</i>	NM_001033677	3' UTR
cg19474047	0.65	0.12	19	10207448	F	<i>ANGPTL6</i>	NM_031917	5' UTR
cg19486070	0.62	0.15	7	1626153	F	<i>KIAA1908</i>	NR_027329	Body
cg19630520	0.90	0.43	14	23511929	F	<i>PSMB11</i>	NM_001099780	1st Exon
cg19871394	0.80	0.30	6	11539786	F	<i>TMEM170B</i>	NM_001100829	Body
cg19907796	0.57	0.14	2	71134694	R	<i>VAX2</i>	NM_012476	Body
cg19925204	0.59	0.07	10	119307692	F	<i>EMX2</i>	NM_001165924	3' UTR
cg19996026	0.68	0.24	10	69455804	R	<i>CTNNA3</i>	NM_013266	5' UTR
cg20054157	0.69	0.12	10	10837080	F	<i>SFTA1P</i>	NR_027082	TSS1500
cg20073553	0.62	0.18	4	13545291	F	<i>NKX3-2</i>	NM_001189	Body
cg20083900	0.73	0.32	7	157624841	F	<i>PTPRN2</i>	NM_002847	Body
cg20116805	0.58	0.14	12	54363054	R	<i>HOTAIR</i>	NR_003716	TSS1500
cg20119148	0.63	0.20	19	18344195	R	<i>PDE4C</i>	NM_000923	5' UTR
cg20220242	0.64	0.24	21	30392188	F	<i>RWDD2B</i>	NM_016940	TSS1500
cg20223687	0.83	0.39	7	158059142	R	<i>PTPRN2</i>	NM_002847	Body
cg20266715	0.83	0.35	1	223888869	F	<i>CAPN2</i>	NM_001146068	TSS1500
cg20272884	0.79	0.34	8	23712762	R	<i>STC1</i>	NM_003155	TSS1500
cg20351189	0.86	0.31	22	26667643	R	<i>SEZ6L</i>	NM_021115	Body
cg20504791	0.66	0.11	20	22562478	R	<i>FOXA2</i>	NM_153675	3' UTR
cg20546893	0.68	0.26	X	51149573	F	<i>CXorf67</i>	NM_203407	TSS200
cg20589862	0.73	0.32	6	139351197	R	<i>C6orf115</i>	NM_021243	5' UTR
cg20639805	0.76	0.18	10	112404997	R	<i>RBM20</i>	NM_001134363	Body
cg20656587	0.74	0.23	17	44895317	R	<i>WNT3</i>	NM_030753	Body
cg20695297	0.86	0.45	19	3178844	F	<i>SIPR4</i>	NM_003775	1st Exon
cg20705893	0.67	0.23	7	157869970	F	<i>PTPRN2</i>	NM_002847	Body
cg20716058	0.54	0.14	7	151330230	F	<i>PRKAG2</i>	NM_016203	Body
cg20717798	0.75	0.24	7	157624958	R	<i>PTPRN2</i>	NM_002847	Body
cg20739526	0.54	0.12	7	154585989	R	<i>DPP6</i>	NM_001936	Body
cg20742389	0.70	0.26	19	14591033	F	<i>GIPC1</i>	NM_202470	Body
cg20825022	0.80	0.29	2	124920645	R	<i>CNTNAP5</i>	NM_130773	Body
cg20867963	0.62	0.09	6	3743529	F	<i>C6orf145</i>	NM_183373	Body
cg20891481	0.67	0.17	3	71115714	F	<i>FOXP1</i>	NM_032682	Body
cg20916120	0.72	0.30	11	20903027	F	<i>NELL1</i>	NM_006157	Body
cg20927312	0.91	0.42	3	14443473	R	<i>SLC6A6</i>	NM_003043	TSS1500
cg21007852	0.79	0.27	7	27203546	F	<i>HOXA9</i>	NM_152739	Body
cg21009965	0.66	0.22	1	75593596	F	<i>LHX8</i>	NM_001001933	TSS1500
cg21014639	0.82	0.42	12	121104909	R	<i>CABP1</i>	NM_001033677	3' UTR
cg21082271	0.56	0.13	19	18319197	R	<i>PDE4C</i>	NM_001098819	3' UTR
cg21105875	0.58	0.13	1	202778869	R	<i>KDM5B</i>	NM_006618	TSS1500
cg21123740	0.65	0.25	4	120502068	R	<i>PDE5A</i>	NM_001083	Body
cg21132536	0.83	0.38	20	33465180	F	<i>ACSS2</i>	NR_028046	Body
cg21171115	0.65	0.22	9	112887903	R	<i>AKAP2</i>	NM_001004065	Body
cg21171461	0.80	0.37	9	134510884	R	<i>RAPGEF1</i>	NM_198679	Body
cg21211271	0.52	0.08	1	6265071	F	<i>RNF207</i>	NM_207396	TSS1500
cg21320573	0.82	0.32	8	35101074	F	<i>UNC5D</i>	NM_080872	Body

Table SII. Continued.

CpG ID	Adult Methyl level	Child Methyl level	Chromosome	Position	Strand	Genes	RefSeqIDs	Gene location
cg21380380	0.70	0.22	7	8011838	R	<i>GLCCII</i>	NM_138426	Body
cg21410633	0.73	0.31	1	40525679	R	<i>CAP1</i>	NM_006367	Body
cg21491163	0.97	0.53	5	31323216	F	<i>CDH6</i>	NM_004932	Body
cg21558545	0.51	0.09	12	71834859	F	<i>LGR5</i>	NM_003667	Body
cg21577365	0.61	0.19	15	22367858	R	<i>OR4M2</i>	NM_001004719	TSS1500
cg21723903	0.69	0.29	12	3862575	F	<i>EFCAB4B</i>	NM_001144959	TSS1500
cg21854348	0.80	0.36	2	113821936	R	<i>IL1F5</i>	NM_173170	3' UTR
cg21931419	0.57	0.11	14	74893169	F	<i>TMEM90A</i>	NM_001105579	TSS1500
cg22086834	0.84	0.40	7	94278830	R	<i>SGCE</i>	NM_001099400	Body
cg22124859	0.83	0.42	1	152813850	R	<i>LCE6A</i>	NM_001128600	TSS1500
cg22136051	0.89	0.44	7	6192053	R	<i>USP42</i>	NM_032172	Body
cg22157239	0.55	0.08	1	18972096	R	<i>PAX7</i>	NM_013945	Body
cg22272282	0.79	0.39	6	27107670	R	<i>HIST1H2BK</i>	NM_080593	3' UTR
cg22282405	0.52	0.12	6	50810682	F	<i>TFAP2B</i>	NM_003221	Body
cg22350070	0.59	0.18	2	79738639	F	<i>CTNNA2</i>	NM_004389	TSS1500
cg22388608	0.74	0.22	6	49917254	F	<i>DEFB133</i>	NM_001166478	TSS200
cg22414262	0.76	0.35	21	37092967	F	<i>MIR802</i>	NR_030414	TSS200
cg22452122	0.69	0.18	19	4531790	F	<i>PLIN5</i>	NM_001013706	Body
cg22539069	0.59	0.19	15	53075877	F	<i>ONECUT1</i>	NM_004498	Body
cg22540067	0.79	0.32	2	125305001	F	<i>CNTNAP5</i>	NM_130773	Body
cg22623319	0.65	0.23	10	112427911	R	<i>RBM20</i>	NM_001134363	Body
cg22677556	0.62	0.18	1	12238390	R	<i>TNFRSF1B</i>	NM_001066	Body
cg22685816	0.86	0.39	11	1036679	R	<i>MUC6</i>	NM_005961	1st Exon
cg23048215	0.82	0.36	19	947936	R	<i>ARID3A</i>	NM_005224	Body
cg23066280	0.72	0.13	7	158032496	F	<i>PTPRN2</i>	NM_002847	Body
cg23097006	0.60	0.15	20	25063817	R	<i>VSX1</i>	NM_199425	TSS1500
cg23181282	0.84	0.43	12	47205532	R	<i>SLC38A4</i>	NM_018018	5' UTR
cg23217463	0.71	0.28	17	46676973	F	<i>LOC404266</i>	NR_033203	Body
cg23246821	0.54	0.13	3	149095573	F	<i>TM4SF1</i>	NM_014220	TSS200
cg23254302	0.72	0.31	19	4531722	R	<i>PLIN5</i>	NM_001013706	Body
cg23270529	0.64	0.22	1	243584668	R	<i>SDCCAG8</i>	NM_006642	Body
cg23272088	0.68	0.28	11	2504813	R	<i>KCNQ1</i>	NM_000218	Body
cg23279355	0.69	0.22	5	78985592	R	<i>CMYA5</i>	NM_153610	TSS200
cg23353432	0.61	0.10	20	44639847	F	<i>MMP9</i>	NM_004994	Body
cg23362884	0.79	0.16	10	112404974	R	<i>RBM20</i>	NM_001134363	Body
cg23580024	0.78	0.36	10	93811989	R	<i>CPEB3</i>	NM_014912	Body
cg23620822	0.69	0.10	3	13692212	R	<i>LOC285375</i>	NR_027103	TSS200
cg23622616	0.76	0.26	2	236444259	R	<i>AGAP1</i>	NM_014914	Body
cg23627149	0.79	0.37	1	193155273	F	<i>B3GALT2</i>	NM_003783	5' UTR
cg23669081	0.62	0.13	17	46685353	R	<i>HOXB7</i>	NM_004502	Body
cg23733052	0.77	0.35	12	130336270	F	<i>TMEM132D</i>	NM_133448	Body
cg23865240	0.68	0.21	7	27134109	F	<i>HOXA1</i>	NM_153620	3' UTR
cg23891487	0.84	0.42	12	93969700	R	<i>SOCS2</i>	NM_003877	3' UTR
cg23951816	0.87	0.44	10	114888137	F	<i>TCF7L2</i>	NM_001146284	Body
cg23978968	0.83	0.36	1	101704656	F	<i>S1PR1</i>	NM_001400	Body
cg24024661	0.78	0.29	19	1074425	R	<i>HMHA1</i>	NM_012292	Body
cg24060890	0.74	0.33	4	93229269	R	<i>GRID2</i>	NM_001510	Body
cg24112733	0.67	0.26	7	38255578	F	<i>STARD3NL</i>	NM_032016	Body
cg24114556	0.83	0.36	17	44897431	R	<i>WNT3</i>	NM_030753	TSS1500
cg24157171	0.67	0.26	6	134210307	F	<i>TCF21</i>	NM_198392	1st Exon
cg24251448	0.73	0.33	8	141577100	F	<i>EIF2C2</i>	NM_012154	
cg24286789	0.67	0.24	6	10417726	R	<i>TFAP2A</i>	NM_001042425	Body
cg24389054	0.75	0.28	7	27194013	R	<i>HOXA7</i>	NM_006896	3' UTR
cg24493367	0.81	0.25	4	106635507	F	<i>GSTCD</i>	NM_001031720	5' UTR
cg24592194	0.79	0.36	2	125410491	F	<i>CNTNAP5</i>	NM_130773	Body
cg24683414	0.72	0.27	1	92952581	F	<i>GFII</i>	NM_001127216	TSS1500
cg24717159	0.61	0.13	15	50474163	F	<i>SLC27A2</i>	NM_001159629	TSS1500

Table SII. Continued.

CpG ID	Adult Methyl level	Child Methyl level	Chromosome	Position	Strand	Genes	RefSeqIDs	Gene location
cg24892628	0.82	0.35	19	1509841	R	<i>ADAMTSL5</i>	NM_213604	Body
cg24895871	0.68	0.26	12	54360836	R	<i>HOTAIR</i>	NR_003716	Body
cg24940967	0.80	0.25	3	45837197	R	<i>SLC6A20</i>	NM_020208	Body
cg24951137	0.86	0.44	20	20036936	R	<i>C20orf26</i>	NM_015585	5' UTR
cg25053386	0.87	0.46	11	1036754	F	<i>MUC6</i>	NM_005961	TSS200
cg25064331	0.75	0.34	7	33080500	R	<i>NT5C3</i>	NM_001166118	1st Exon
cg25122233	0.87	0.46	12	54412506	R	<i>HOXC4</i>	NM_014620	5' UTR
cg25123102	0.59	0.10	20	44879723	F	<i>CDH22</i>	NM_021248	1st Exon
cg25142340	0.74	0.12	7	155299624	R	<i>CNPY1</i>	NM_001103176	Body
cg25150243	0.55	0.08	15	50474159	F	<i>SLC27A2</i>	NM_001159629	TSS1500
cg25150953	0.59	0.15	4	41540229	R	<i>LIMCH1</i>	NM_014988	Body
cg25156198	0.66	0.21	7	92250996	F	<i>CDK6</i>	NM_001259	Body
cg25246431	0.54	0.13	11	12398874	F	<i>PARVA</i>	NM_018222	TSS1500
cg25264268	0.84	0.35	19	427263	R	<i>SHC2</i>	NM_012435	Body
cg25336332	0.60	0.07	3	24537309	F	<i>THRB</i>	NM_001128177	TSS1500
cg25367912	0.86	0.35	1	119442195	F	<i>TBX15</i>	NM_152380	Body
cg25373630	0.79	0.32	18	60984656	F	<i>BCL2</i>	NM_000633	Body
cg25388715	0.78	0.37	10	115468942	R	<i>CASP7</i>	NM_033339	Body
cg25401210	0.92	0.51	7	944776	F	<i>ADAP1</i>	NM_006869	Body
cg25446076	0.59	0.13	21	38083149	R	<i>SIM2</i>	NM_009586	Body
cg25467879	0.73	0.28	7	133538683	F	<i>EXOC4</i>	NM_021807	Body
cg25541653	0.64	0.14	11	30582012	R	<i>MPPED2</i>	NM_001145399	Body
cg25548986	0.58	0.16	15	53078855	F	<i>ONECUT1</i>	NM_004498	Body
cg25592206	0.72	0.26	1	51439348	R	<i>CDKN2C</i>	NM_001262	Body
cg25696807	0.71	0.31	X	145109374	R	<i>MIR891A</i>	NR_030581	Body
cg25922279	0.76	0.32	8	141577061	F	<i>EIF2C2</i>	NM_012154	Body
cg25967612	0.78	0.36	11	59482691	R	<i>OR10V1</i>	NM_001005324	TSS1500
cg26027669	0.53	0.05	1	92952467	F	<i>GFI1</i>	NM_001127216	TSS1500
cg26094789	0.63	0.18	14	37135586	R	<i>PAX9</i>	NM_006194	Body
cg26147845	0.65	0.19	12	132433838	R	<i>EP400</i>	NM_015409	TSS1500
cg26190890	0.75	0.32	6	27107718	R	<i>HIST1H2BK</i>	NM_080593	3' UTR
cg26306289	0.90	0.47	7	33080571	F	<i>NT5C3</i>	NM_001166118	TSS200
cg26340968	0.81	0.40	19	3798367	R	<i>MATK</i>	NM_002378	5' UTR
cg26380291	0.59	0.16	10	114787843	F	<i>TCF7L2</i>	NM_001146284	Body
cg26388509	0.63	0.16	7	155299687	F	<i>CNPY1</i>	NM_001103176	Body
cg26466587	0.75	0.33	6	100442120	R	<i>MCHR2</i>	NM_001040179	TSS200
cg26481302	0.81	0.40	6	138795213	R	<i>NHSL1</i>	NM_001144060	Body
cg26522894	0.74	0.33	12	130389541	F	<i>TMEM132D</i>	NM_133448	TSS1500
cg26561681	0.72	0.29	1	21376633	R	<i>EIF4G3</i>	NM_003760	5' UTR
cg26561773	0.72	0.30	X	65259390	R	<i>VSIG4</i>	NM_001100431	Body
cg26608305	0.81	0.32	11	925416	F	<i>AP2A2</i>	NM_012305	TSS1500
cg26725862	0.76	0.25	10	112404774	F	<i>RBM20</i>	NM_001134363	Body
cg26808583	0.72	0.31	1	153346525	F	<i>S100A12</i>	NM_005621	Body
cg26842622	0.62	0.19	22	31219085	F	<i>OSBP2</i>	NM_030758	Body
cg26848126	0.66	0.18	X	77582913	F	<i>CYSLTR1</i>	NM_006639	5' UTR
cg26889659	0.71	0.21	6	684090	F	<i>EXOC2</i>	NM_018303	5' UTR
cg27071152	0.67	0.12	7	39649443	F	<i>LOC646999</i>	NR_024390	Body
cg27085741	0.49	0.04	7	143042741	R	<i>CLCN1</i>	NM_000083	Body
cg27122725	0.69	0.22	5	142781723	F	<i>NR3C1</i>	NM_001018076	5' UTR
cg27200869	0.88	0.42	7	158045980	R	<i>PTPRN2</i>	NM_002847	Body
cg27549720	0.62	0.12	1	19992167	F	<i>HTR6</i>	NM_000871	5' UTR
cg27613172	0.74	0.28	12	54401665	F	<i>HOXC8</i>	NM_022658	TSS1500
cg27644247	0.93	0.51	19	45540766	F	<i>RELB</i>	NM_006509	Body
cg00060320	0.12	0.54	3	134369974	F	<i>KY</i>	NM_178554	TSS200
cg00556112	0.08	0.52	11	637173	R	<i>DRD4</i>	NM_000797	TSS200
cg00610991	0.08	0.61	2	40677600	R	<i>SLC8A1</i>	NM_001112802	5' UTR
cg00740510	0.21	0.68	22	43811071	F	<i>MPPED1</i>	NM_001044370	5' UTR

Table SII. Continued.

CpG ID	Adult Methyl level	Child Methyl level	Chromosome	Position	Strand	Genes	RefSeqIDs	Gene location
cg00913949	0.19	0.60	1	217311511	F	<i>ESRRG</i>	NM_001134285	TSS1500
cg01068601	0.30	0.71	16	67918699	R	<i>NRN1L</i>	NM_198443	TSS200
cg01099220	0.14	0.56	8	145747659	F	<i>LRRC14</i>	NM_014665	3' UTR
cg01295339	0.17	0.60	2	74729710	R	<i>LBX2</i>	NM_001009812	Body
cg01462545	0.16	0.56	4	42401242	R	<i>SHISA3</i>	NM_001080505	Body
cg01647917	0.52	0.94	19	542653	F	<i>GZMM</i>	NM_005317	TSS1500
cg01862418	0.08	0.58	14	105953145	R	<i>CRIP1</i>	NM_001311	TSS200
cg02147681	0.19	0.64	17	17603837	R	<i>RAI1</i>	NM_030665	5' UTR
cg03294458	0.23	0.66	17	40935998	R	<i>WNK4</i>	NM_032387	Body
cg03309253	0.20	0.72	19	41119579	R	<i>LTBP4</i>	NM_001042545	Body
cg03466780	0.16	0.67	9	140247365	F	<i>EXD3</i>	NM_017820	Body
cg03928961	0.39	0.80	3	196693980	R	<i>PIGZ</i>	NM_025163	5' UTR
cg04111789	0.24	0.70	6	41908262	R	<i>CCND3</i>	NM_001136017	Body
cg04130163	0.18	0.62	4	42401214	F	<i>SHISA3</i>	NM_001080505	Body
cg04329125	0.28	0.69	14	105945022	F	<i>CRIP2</i>	NM_001312	Body
cg04411625	0.06	0.58	14	105953462	R	<i>CRIP1</i>	NM_001311	5' UTR
cg04556542	0.05	0.48	14	92790580	R	<i>SLC24A4</i>	NM_153647	Body
cg04715503	0.21	0.64	16	3062795	F	<i>CLDN9</i>	NM_020982	1st Exon
cg04717802	0.07	0.57	22	42394638	F	<i>WBP2NL</i>	NM_152613	TSS200
cg05174890	0.33	0.80	17	33759986	F	<i>SLFN12</i>	NM_018042	TSS1500
cg05614735	0.22	0.67	17	40936078	F	<i>WNK4</i>	NM_032387	Body
cg05886546	0.20	0.68	17	40936498	F	<i>WNK4</i>	NM_032387	Body
cg06028247	0.34	0.74	10	1686427	R	<i>ADARB2</i>	NM_018702	Body
cg06219206	0.22	0.63	12	24383177	F	<i>SOX5</i>	NM_152989	5' UTR
cg06274159	0.33	0.75	4	188916867	R	<i>ZFP42</i>	NM_174900	TSS200
cg06766016	0.25	0.74	1	45278971	R	<i>BTBD19</i>	NM_001136537	Body
cg06825142	0.07	0.53	11	637170	R	<i>DRD4</i>	NM_000797	TSS200
cg07921384	0.10	0.54	2	220299740	R	<i>SPEG</i>	NM_005876	1st Exon
cg07959574	0.09	0.55	4	42401056	F	<i>SHISA3</i>	NM_001080505	Body
cg07998951	0.28	0.70	7	152456579	R	<i>ACTR3B</i>	NM_020445	TSS1500
cg08238319	0.51	0.91	5	404713	F	<i>AHRR</i>	NM_020731	Body
cg08330690	0.34	0.77	17	33760293	R	<i>SLFN12</i>	NM_018042	TSS1500
cg08460812	0.23	0.77	4	109087419	F	<i>LOC641518</i>	NR_029374	TSS1500
cg08872590	0.09	0.50	8	145748059	R	<i>LRRC24</i>	NM_001024678	Body
cg08935125	0.30	0.78	16	3068085	F	<i>CLDN6</i>	NM_021195	5' UTR
cg09214175	0.32	0.88	14	100016312	R	<i>CCDC85C</i>	NM_001144995	Body
cg09670128	0.10	0.54	12	52627047	F	<i>KRT7</i>	NM_005556	5' UTR
cg09970175	0.17	0.57	15	48011443	R	<i>SEMA6D</i>	NM_153619	5' UTR
cg10431713	0.23	0.69	17	33760230	F	<i>SLFN12</i>	NM_018042	TSS1500
cg10542123	0.37	0.86	10	1686470	F	<i>ADARB2</i>	NM_018702	Body
cg11330098	0.34	0.74	11	111895234	R	<i>DLAT</i>	NM_001931	TSS1500
cg11594940	0.16	0.57	1	156863360	R	<i>PEAR1</i>	NM_001080471	TSS200
cg11875085	0.08	0.51	8	145747739	F	<i>LRRC14</i>	NM_014665	3' UTR
cg11990562	0.10	0.50	11	67806526	R	<i>TCIRG1</i>	NM_006019	1st Exon
cg12307306	0.10	0.50	3	134369987	F	<i>KY</i>	NM_178554	TSS200
cg12328890	0.05	0.45	11	706098	F	<i>EPS8L2</i>	NM_022772	TSS200
cg12573071	0.08	0.48	3	134370015	F	<i>KY</i>	NM_178554	TSS200
cg12644264	0.09	0.52	1	86622113	F	<i>COL24A1</i>	NM_152890	1st Exon
cg12749132	0.15	0.60	1	151811364	R	<i>LOC100132111</i>	NR_024237	Body
cg12928379	0.05	0.55	11	637175	R	<i>DRD4</i>	NM_000797	TSS200
cg13145591	0.05	0.46	11	616038	R	<i>IRF7</i>	NM_004031	TSS1500
cg14500486	0.20	0.74	6	159655392	F	<i>FNDC1</i>	NM_032532	Body
cg15396367	0.21	0.62	9	139972779	F	<i>UAP1L1</i>	NM_207309	Body
cg15839431	0.30	0.76	19	19639596	R	<i>YJEFN3</i>	NM_198537	TSS200
cg15939287	0.26	0.75	11	64406051	F	<i>NRXN2</i>	NM_138734	Body
cg15986919	0.33	0.78	19	55887799	F	<i>TMEM190</i>	NM_139172	TSS1500
cg16678159	0.23	0.64	11	63529520	F	<i>C11orf95</i>	NM_001144936	3' UTR

Table SII. Continued.

CpG ID	Adult Methyl level	Child Methyl level	Chromosome	Position	Strand	Genes	RefSeqIDs	Gene location
cg17094014	0.10	0.59	6	41605343	F	<i>MDF1</i>	NM_005586	TSS1500
cg18131537	0.12	0.56	11	615732	F	<i>IRF7</i>	NM_004031	TSS200
cg18587557	0.22	0.65	17	33760419	R	<i>SLFN12</i>	NM_018042	TSS1500
cg19566405	0.36	0.82	17	33759965	F	<i>SLFN12</i>	NM_018042	TSS1500
cg20174636	0.06	0.52	2	220299900	F	<i>SPEG</i>	NM_005876	1st Exon
cg20354552	0.21	0.65	17	33760249	F	<i>SLFN12</i>	NM_018042	TSS1500
cg20457275	0.11	0.53	6	1394071	R	<i>FOXF2</i>	NM_001452	Body
cg20653128	0.28	0.70	17	40936820	R	<i>WNK4</i>	NM_032387	Body
cg20931042	0.07	0.54	11	637162	R	<i>DRD4</i>	NM_000797	TSS200
cg20966754	0.26	0.71	17	47091339	R	<i>IGF2BP1</i>	NM_006546	Body
cg22861279	0.05	0.53	14	105953244	R	<i>CRIP1</i>	NM_001311	TSS200
cg23092823	0.08	0.51	1	53528612	R	<i>PODN</i>	NM_153703	Body
cg23736843	0.12	0.55	12	113541915	R	<i>RASAL1</i>	NM_004658	Body
cg23844174	0.14	0.55	1	2064819	F	<i>PRKCZ</i>	NM_001033582	5' UTR
cg23889236	0.07	0.50	11	706100	F	<i>EPS8L2</i>	NM_022772	TSS200
cg23918296	0.21	0.64	14	103397019	F	<i>AMN</i>	NM_030943	3' UTR
cg24023289	0.10	0.60	4	109087312	F	<i>LOC641518</i>	NR_029374	TSS1500
cg24030630	0.10	0.52	11	67806668	F	<i>TCIRG1</i>	NM_006019	5' UTR
cg24524285	0.14	0.54	11	64405919	R	<i>NRXN2</i>	NM_138734	Body
cg24799921	0.10	0.58	10	77168180	R	<i>C10orf41</i>	NR_024421	Body
cg24878115	0.24	0.67	19	18545062	R	<i>SSBP4</i>	NM_032627	3' UTR
cg24896649	0.25	0.66	4	188916726	R	<i>ZFP42</i>	NM_174900	TSS200
cg25682097	0.16	0.59	14	105954118	F	<i>CRIP1</i>	NM_001311	Body
cg25739366	0.44	0.88	11	57004007	F	<i>APLNR</i>	NR_027991	Body
cg25950235	0.06	0.59	15	89910753	R	<i>MIR9-3</i>	NR_029692	TSS1500
cg25975621	0.12	0.54	1	217311177	F	<i>ESRRG</i>	NM_001134285	TSS200
cg26777836	0.12	0.53	3	26665815	R	<i>LRRC3B</i>	NM_052953	5' UTR
cg26876647	0.24	0.66	1	155291345	R	<i>RUSC1</i>	NM_001105203	5' UTR
cg27208169	0.22	0.63	17	17603584	R	<i>RAI1</i>	NM_030665	5' UTR

Methyl_Level, methylation level (β -value); RefSeqIDs, reference sequence IDs; UTR, untranslated region; F, forward; R, reverse.

Table SIII. Genes exhibiting different β -values >0.4 in tumors of the posterior fossa vs. supratentorial regions.

CpG ID	PF Methyl_ level	ST Methyl_ level	Chromosome	Position	Strand	Genes	RefSeqIDs	Gene location
cg01948202	0.56	0.15	3	122400474	R	<i>PARP14</i>	NM_017554	Body
cg02075410	0.80	0.37	4	151504138	F	<i>LRBA</i>	NM_006726	Body
cg05919685	0.68	0.24	1	159556997	F	<i>APCS</i>	NM_001639	TSS1500
cg05940425	0.83	0.26	14	65240980	R	<i>SPTB</i>	NM_000347	Body
cg08429705	0.65	0.18	19	2583601	F	<i>GNG7</i>	NM_052847	5' UTR
cg10627839	0.78	0.31	1	196866512	R	<i>CFHR4</i>	NM_006684	Body
cg12195446	0.59	0.06	13	110424497	R	<i>IRS2</i>	NM_003749	Body
cg17279365	0.80	0.33	1	217168635	R	<i>ESRRG</i>	NM_206594	5' UTR
cg19248557	0.58	0.16	6	32407838	F	<i>HLA-DRA</i>	NM_019111	Body
cg19415746	0.87	0.34	10	115388944	F	<i>NRAP</i>	NM_006175	Body
cg19648023	0.72	0.18	2	179275173	F	<i>MIR548N</i>	NR_031666	Body
cg22772440	0.66	0.25	6	150716612	F	<i>IYD</i>	NM_001164694	Body
cg24080129	0.46	0.06	6	32797488	F	<i>TAP2</i>	NM_000544	Body
cg00014998	0.29	0.72	2	177014962	R	<i>HOXD4</i>	NM_014621	TSS1500
cg00103771	0.25	0.68	6	32525805	F	<i>HLA-DRB6</i>	NR_001298	Body
cg00297876	0.23	0.69	19	50861774	R	<i>NAPSA</i>	NM_004851	3' UTR
cg00438740	0.33	0.80	2	233924930	R	<i>INPP5D</i>	NM_001017915	TSS200
cg00598125	0.24	0.66	6	32555411	F	<i>HLA-DRB1</i>	NM_002124	Body
cg00690554	0.42	0.92	14	104184575	R	<i>ZFYVE21</i>	NM_024071	Body
cg00912573	0.44	0.87	2	227661291	R	<i>IRS1</i>	NM_005544	1st Exon
cg00972313	0.33	0.76	10	1531243	F	<i>ADARB2</i>	NM_018702	Body
cg01341801	0.13	0.56	6	32489203	R	<i>HLA-DRB5</i>	NM_002125	Body
cg01370759	0.32	0.82	7	2701419	F	<i>TTYH3</i>	NM_025250	3' UTR
cg01587682	0.27	0.78	11	31820572	F	<i>PAX6</i>	NM_001604	Body
cg01884917	0.27	0.92	17	1038155	R	<i>ABR</i>	NM_021962	Body
cg02552079	0.36	0.80	4	1220951	R	<i>CTBP1</i>	NM_001328	Body
cg02668233	0.23	0.65	12	125813494	F	<i>TMEM132B</i>	NM_052907	Body
cg02770983	0.32	0.81	11	31822341	F	<i>PAX6</i>	NM_001604	Body
cg02771142	0.27	0.70	11	31819678	F	<i>PAX6</i>	NM_001604	Body
cg02788013	0.32	0.78	2	233924923	R	<i>INPP5D</i>	NM_001017915	TSS200
cg02840535	0.38	0.81	16	27523174	F	<i>GTF3C1</i>	NM_001520	Body
cg03146625	0.28	0.71	12	54448729	F	<i>HOXC4</i>	NM_153633	Body
cg03431111	0.22	0.65	11	62621406	F	<i>SNORD30</i>	NR_002561	TSS1500
cg03607220	0.33	0.76	6	32526263	F	<i>HLA-DRB6</i>	NR_001298	Body
cg05542681	0.13	0.58	16	744328	R	<i>FBXL16</i>	NM_153350	Body
cg05930496	0.50	0.93	1	201646107	R	<i>NAV1</i>	NM_020443	Body
cg06559318	0.24	0.74	6	32526260	F	<i>HLA-DRB6</i>	NR_001298	Body
cg06666008	0.21	0.77	11	31819464	R	<i>PAX6</i>	NM_001604	Body
cg06705930	0.32	0.84	11	31823191	R	<i>PAX6</i>	NM_001604	Body
cg07706515	0.49	0.89	7	4830907	F	<i>KIAA0415</i>	NM_014855	Body
cg08116462	0.23	0.70	11	31823141	F	<i>PAX6</i>	NM_001604	Body
cg08231637	0.23	0.65	6	32556475	R	<i>HLA-DRB1</i>	NM_002124	Body
cg08573687	0.34	0.82	11	2193041	R	<i>TH</i>	NM_199293	TSS200
cg08591265	0.19	0.66	17	56082867	F	<i>SFRS1</i>	NM_001078166	3' UTR
cg09068031	0.43	0.84	11	11500492	F	<i>GALNTL4</i>	NM_198516	Body
cg09135343	0.25	0.79	12	68041428	R	<i>DYRK2</i>	NM_003583	TSS1500
cg09265586	0.37	0.80	10	1595595	R	<i>ADARB2</i>	NM_018702	Body
cg09448652	0.27	0.77	11	62621367	R	<i>SNORD30</i>	NR_002561	TSS200
cg09455118	0.40	0.83	11	131243839	F	<i>NTM</i>	NM_001048209	Body
cg10385522	0.23	0.74	6	32558175	F	<i>HLA-DRB1</i>	NM_002124	TSS1500
cg10452588	0.08	0.56	6	32546743	F	<i>HLA-DRB1</i>	NM_002124	3' UTR
cg10754215	0.20	0.66	4	8073804	F	<i>ABLIM2</i>	NM_032432	Body
cg10822665	0.19	0.80	17	1028394	F	<i>ABR</i>	NM_021962	Body
cg10925420	0.54	0.96	11	65124394	F	<i>TIGD3</i>	NM_145719	Body
cg10995422	0.27	0.73	6	32522872	F	<i>HLA-DRB6</i>	NR_001298	Body
cg11002258	0.21	0.63	12	130976515	R	<i>RIMBP2</i>	NM_015347	5' UTR
cg11729679	0.24	0.65	2	111877065	R	<i>BCL2L11</i>	NM_207002	TSS1500

Table SIII. Continued.

CpG ID	PF Methyl_ level	ST Methyl_ level	Chromosome	Position	Strand	Genes	RefSeqIDs	Gene location
cg12798259	0.35	0.83	11	31823282	R	<i>PAX6</i>	NM_001604	Body
cg13073773	0.28	0.74	14	95234658	F	<i>GSC</i>	NM_173849	3' UTR
cg13245152	0.35	0.80	11	31823238	F	<i>PAX6</i>	NM_001604	Body
cg13910785	0.26	0.66	6	32549849	F	<i>HLA-DRB1</i>	NM_002124	Body
cg14386311	0.36	0.76	4	1332265	F	<i>MAEA</i>	NM_005882	Body
cg14458783	0.37	0.80	17	1028673	F	<i>ABR</i>	NM_021962	Body
cg14601621	0.50	0.92	9	97848457	F	<i>C9orf3</i>	NM_032823	3' UTR
cg15172739	0.36	0.76	11	62621258	R	<i>SNORD30</i>	NR_002561	TSS200
cg15215978	0.30	0.77	6	167135152	R	<i>RPS6KA2</i>	NM_001006932	Body
cg15301794	0.37	0.82	11	31822243	R	<i>PAX6</i>	NM_001604	Body
cg15617609	0.25	0.70	12	123352774	F	<i>VPS37B</i>	NM_024667	Body
cg15705062	0.39	0.84	19	5110748	F	<i>KDM4B</i>	NM_015015	Body
cg15874481	0.28	0.71	11	70517057	F	<i>SHANK2</i>	NM_012309	Body
cg16141740	0.24	0.67	22	42896985	R	<i>SERHL</i>	NR_027786	Body
cg16180353	0.34	0.79	11	31819219	R	<i>PAX6</i>	NM_001604	Body
cg16865446	0.27	0.90	11	31822302	F	<i>PAX6</i>	NM_001604	Body
cg16908938	0.26	0.71	2	11728079	R	<i>GREB1</i>	NM_148903	3' UTR
cg17104824	0.27	0.71	2	177014959	R	<i>HOXD4</i>	NM_014621	TSS1500
cg17297362	0.35	0.76	2	233641507	F	<i>GIGYF2</i>	NM_015575	Body
cg17573813	0.22	0.82	3	61237223	F	<i>FHIT</i>	NM_002012	TSS200
cg17840849	0.36	0.76	17	1027225	F	<i>ABR</i>	NM_021962	Body
cg18232828	0.41	0.83	1	10846092	F	<i>CASZ1</i>	NM_001079843	5' UTR
cg18489289	0.34	0.75	10	44876292	R	<i>CXCL12</i>	NM_001033886	Body
cg18557556	0.23	0.66	12	75905681	F	<i>KRR1</i>	NM_007043	TSS1500
cg19926444	0.29	0.70	19	12624742	F	<i>ZNF709</i>	NM_001145647	TSS200
cg21016855	0.25	0.79	11	31819444	R	<i>PAX6</i>	NM_001604	Body
cg21104276	0.30	0.72	7	90896572	R	<i>FZD1</i>	NM_003505	1st Exon
cg21211688	0.50	0.91	9	136403935	F	<i>ADAMTSL2</i>	NM_014694	Body
cg21234342	0.33	0.78	6	46871130	F	<i>GPR116</i>	NM_015234	Body
cg21535462	0.21	0.66	12	75905660	F	<i>KRR1</i>	NM_007043	TSS1500
cg22169990	0.13	0.57	7	150786051	F	<i>AGAP3</i>	NM_001042535	Body
cg22262702	0.50	0.93	20	60638679	F	<i>TAF4</i>	NM_003185	Body
cg22627029	0.22	0.62	6	32520615	F	<i>HLA-DRB6</i>	NR_001298	Body
cg22824635	0.18	0.59	19	13112283	R	<i>NFIX</i>	NM_002501	Body
cg23401459	0.44	0.92	17	1027840	F	<i>ABR</i>	NM_021962	Body
cg23695707	0.17	0.58	14	95234826	R	<i>GSC</i>	NM_173849	3' UTR
cg24332783	0.35	0.87	11	31818791	F	<i>PAX6</i>	NM_001604	Body
cg24607398	0.33	0.73	3	37033625	R	<i>EPM2AIP1</i>	NM_014805	1st Exon
cg24760581	0.13	0.54	6	32557970	F	<i>HLA-DRB1</i>	NM_002124	TSS1500
cg24769158	0.43	0.88	12	123351868	R	<i>VPS37B</i>	NM_024667	Body
cg25755428	0.22	0.70	19	13875111	R	<i>MRI1</i>	NM_001031727	TSS1500
cg25985455	0.47	0.88	20	60713905	F	<i>PSMA7</i>	NM_002792	Body
cg26077133	0.37	0.84	8	10049871	R	<i>MSRA</i>	NM_001135671	Body
cg26590106	0.23	0.71	6	32548321	R	<i>HLA-DRB1</i>	NM_002124	Body
cg27160395	0.24	0.70	2	177014949	R	<i>HOXD4</i>	NM_014621	TSS1500
cg27436995	0.20	0.61	16	743998	R	<i>FBXL16</i>	NM_153350	3' UTR

Methyl level, methylation level (β -value); RefSeqIDs, reference sequence IDs; F, forward; R, reverse; UTR, untranslated region.

Table SIV. List of rare somatic non-synonymous single nucleotide variants identified via whole-exome sequencing.

Sample ID	Genes	Transcript ID	Exonal function	CDS change	AA change	dbSNP	COSMIC ID	Normal		Tumor	
								no. Ref. allele	no. Ref. allele	no. Alt. allele	Freq.
P3	<i>PRAMEF25</i>	NM_001306072	nonsynonymous	c.C55G	p.L19V	-	-	8	8	7	0.47
P3	<i>IGFNI</i>	NM_001164586	nonsynonymous SNV	c.C5231A	p.A1744E	-	-	8	9	9	0.50
P3	<i>KCNH7</i>	NM_173162	nonsynonymous SNV	c.G959A	p.S320N	-	-	67	19	7	0.27
P3	<i>HARS2</i>	NM_001278731	nonsynonymous SNV	c.A53G	p.Q18R	-	-	154	139	44	0.24
P3	<i>TRPV6</i>	NM_018646	nonsynonymous SNV	c.G298A	p.A100T	-	-	114	95	33	0.26
P3	<i>OR4C13</i>	NM_001001955	nonsynonymous SNV	c.T310A	p.F104I	-	COSM927746	22	8	4	0.33
P3	<i>UBASH3B</i>	NM_032873	nonsynonymous SNV	c.T1584A	p.D528E	-	-	36	17	10	0.37
P3	<i>SPSB3</i>	NM_080861	nonsynonymous SNV	c.G685A	p.G229S	-	-	16	9	10	0.53
P3	<i>ACSM5</i>	NM_017888	nonsynonymous SNV	c.C1139T	p.A380V	-	-	29	12	3	0.20
P5	<i>POTEF</i>	NM_001099771	nonsynonymous SNV	c.A1330G	p.N444D	-	-	13	12	5	0.29
P5	<i>STAC</i>	NM_001292049	nonsynonymous	c.A104C	p.E35A	-	-	218	69	74	0.52
P5	<i>MYBPC3</i>	NM_000256	nonsynonymous	c.G1294A	p.A432T	rs371167525	-	128	81	29	0.26
P5	<i>GOLGA6L2</i>	NM_001304388	nonsynonymous	c.A2345C	p.D782A	-	-	22	15	5	0.25
P5	<i>CASC5</i>	NM_144508	nonsynonymous	c.G6327T	p.W2109C	-	-	44	39	12	0.24
P5	<i>LOC101060389</i>	NM_001001418	nonsynonymous	c.G429C	p.Q143H	-	-	24	15	4	0.21
P5	<i>LOC101060389</i>	NM_001001418	nonsynonymous	c.G431A	p.R144H	-	-	24	16	4	0.20
P5	<i>ZNF585B</i>	NM_152279	nonsynonymous	c.G1879A	p.V627I	-	-	18	16	5	0.24
P5	<i>MAGEC1</i>	NM_005462	nonsynonymous	c.C820T	p.P274S	rs146798989	-	16	9	3	0.25
P6	<i>CDKN2C</i>	NM_078626	nonsynonymous SNV	c.C230T	p.A77V	-	COSM191010	137	88	47	0.35
P6	<i>FMN2</i>	NM_020066	nonsynonymous SNV	c.C3029T	p.P1010L	-	COSM1285015	18	17	5	0.23
P6	<i>BAZ2B</i>	NM_001289975	nonsynonymous SNV	c.A1142G	p.N381S	rs368374349	-	127	96	29	0.23
P6	<i>TRIO</i>	NM_007118	nonsynonymous SNV	c.G8613A	p.M2871I	-	-	57	47	17	0.27
P6	<i>SNX13</i>	NM_015132	nonsynonymous SNV	c.A2101G	p.R701G	-	-	150	104	43	0.29
P6	<i>ELN</i>	NM_001278913	nonsynonymous SNV	c.C1801T	p.L601F	-	-	100	99	32	0.24
P6	<i>PLXNA4</i>	NM_020911	nonsynonymous SNV	c.C3176T	p.A1059V	-	-	56	46	19	0.29
P6	<i>PARP12</i>	NM_022750	nonsynonymous SNV	c.G1969A	p.D657N	rs201580615	-	35	24	10	0.29
P6	<i>LPAR5</i>	NM_001142961	nonsynonymous SNV	c.G832C	p.V278L	-	-	54	43	40	0.48
P6	<i>CDH19</i>	NM_001271028	nonsynonymous SNV	c.A431G	p.N144S	-	-	48	25	14	0.36
P6	<i>NFATC1</i>	NM_001278669	nonsynonymous SNV	c.C1040T	p.A347V	-	-	65	25	14	0.36
P6	<i>BCOR</i>	NM_001123383	stop-gain	c.C2539T	p.Q847X	-	-	31	17	6	0.26
P9	<i>NBPF15</i>	NM_173638	nonsynonymous	c.A715G	p.T239A	rs202133347	-	20	25	7	0.22
P9	<i>MUC3A</i>	NM_005960	nonsynonymous	c.A1325C	p.N442T	rs76608602	-	31	14	5	0.26
P9	<i>LURAPIL</i>	NM_203403	nonsynonymous	c.T166G	p.C56G	rs201963967	-	59	36	13	0.28

Table SIV. Continued.

Sample ID	Genes	Transcript ID	Exonal function	CDS change	AA change	dbSNP	COSMIC ID	Normal		Tumor	
								no. Ref. allele	no. Ref. allele	no. Alt. allele	Freq.
P12	TMEM200B	NM_001003682	nonsynonymous	c.C853G	p.R285G	-	-	75	39	20	0.34
P12	OR2M5	NM_001004690	nonsynonymous	c.G365A	p.R122H	-	-	11	8	10	0.56
P12	RIF1	NM_001177665	nonsynonymous	c.A3545C	p.K1182T	-	-	128	64	17	0.21
P12	WDFY1	NM_020830	nonsynonymous	c.C955A	p.Q319K	-	-	17	8	3	0.27
P12	AGAP5	NM_001144000	nonsynonymous	c.A742G	p.M248V	-	-	20	7	3	0.30
P12	OR8B8	NM_012378	nonsynonymous	c.T542A	p.I181N	-	-	232	127	59	0.32
P12	NBR1	NM_001291572	nonsynonymous	c.A2300C	p.N767T	-	-	21	24	7	0.23
P12	ASXL1	NM_015338	stop-gain	c.C2278T	p.Q760X	-	COSM97035	140	79	47	0.37
P12	MAP7D2	NM_001168466	stop-gain	c.G1159T	p.E387X	-	-	48	28	14	0.33

CDS, coding DNA sequence; AA, amino acid; dbSNP, single nucleotide polymorphism database; Ref., reference; Alt., alternate; Freq., frequency; P, patient.

Table SV. List of transcribed genes that were identified via whole-exome and RNA sequencing.

Sample ID	Genes	Transcript ID	Exonal function	Changed CDS	Changed AAs	RNA sequencing	
						Total depth	Alt. depth
P3	<i>HARS2</i>	NM_001278731	nonsynonymous SNV	c.A53G	p.Q18R	30	8
P3	<i>SPSB3</i>	NM_080861	nonsynonymous SNV	c.G685A	p.G229S	167	81
P6	<i>BAZ2B</i>	NM_001289975	nonsynonymous SNV	c.A1142G	p.N381S	41	20
P6	<i>TRIO</i>	NM_007118	nonsynonymous SNV	c.G8613A	p.M2871I	98	21
P6	<i>SNX13</i>	NM_015132	nonsynonymous SNV	c.A2101G	p.R701G	90	29
P6	<i>PLXNA4</i>	NM_020911	nonsynonymous SNV	c.C3176T	p.A1059V	20	10
P6	<i>PARP12</i>	NM_022750	nonsynonymous SNV	c.G1969A	p.D657N	71	20

CDS, coding DNA sequence; AAs, amino acids; Alt., alternate; P, patient.