

Table S3

Overview of comparisons performed between pilocytic astrocytomas and diffuse astrocytomas, study controls, and normal brain tissue

Differentially methylated CpG sites ($\delta\beta \geq 0.3$, FDR-corrected p-value < 0.05) were identified by MethLAB analysis.

	Comparison	Differentially methylated CpG sites*		Total
A	PA ¹ v Ctrls ²	PA>Ctrls: 375	PA<Ctrls: 583	958
	DA ³ v Ctrls	DA>Ctrls: 252	DA<Ctrls: 100	352
	PA v DA	PA>DA: 11	PA<DA: 304	315
B	PAi v CB ⁴	PAi>CB: 7,309	PAi<CB: 4,362	11,671
	PAi ⁵ v FCB ⁶	PAi>FCB: 14,488	PAi<FCB: 6,991	21,479
	PAi v ACB ⁷	PAi>ACB: 22,187	PAi<ACB: 13,012	35,199
	FCB v ACB	FCB>ACB: 10,281	FCB<ACB: 8,226	18,507
C	PAs ⁸ v CC ⁹	PAs>CC: 37	PAs<CC: 345	382
	PAs v FCC ¹⁰	PAs>FCC: 14,156	PAs<FCC: 3,130	17,300
	PAs v ACC ¹¹	PAs>ACC: 1,164	PAs<ACC: 1,154	2,318
D	DA v CC	DA>CC: 33	DA<CC: 25	58
	DA v FCC	DA>FCC: 15,891	DA<FCC: 1,834	17,725
	DA v ACC	DA>ACC: 1,329	DA<ACC: 203	1,532
E	PAs v Glial ¹²	PAs>Glial: 1,128	PAs<Glial: 1,514	2,642
	PAs v Neuronal ¹³	PAs>Neuronal: 9,060	PAs<Neuronal: 13,281	22,341
	DA v Glial	DA>Glial: 1,228	DA<Glial: 270	1,498
	DA v Neuronal	DA>Neuronal: 11,514	DA<Neuronal: 10,772	22,286
F	PAi v PAs	PAi>PAs: 7	PAi<PAs: 65	72
	PAi v DA	PAi>DA: 17	PAi<DA: 376	393

* For each comparison, the no. of CpG sites which are relatively hypo- or hypermethylated is shown.

¹ PA - Pilocytic astrocytomas, n=17

² Ctrls - Study controls, n=5; adult brain; foetal brain, foetal frontal lobe; foetal cerebellum; neural stem cells (REN VM cell-line)

³ DA - Diffuse astrocytomas, n=10

⁴ CB - All cerebellum controls, n=7

⁵ PAi - Infratentorial Pilocytic astrocytomas, n=11

⁶ FCB - Foetal cerebellum, n=5, study FCB x1; FCB x4 GSE44684

[Lambert et al, 2013, Acta Neuropath 126: 291-301]

⁷ ACB - Adult cerebellum, n=2, GSE44684 [Lambert et al, 2013, Acta Neuropath 126: 291-301]

⁸ PAs - Supratentorial Pilocytic astrocytomas, n=6

⁹ CC - All cerebral cortex controls, n=12

¹⁰ FCC - Foetal cortex controls, n=2, study foetal brain and frontal lobe

¹¹ ACC - Adult cerebral cortex, n=2, GSE41826 [Guintivano et al, 2013, Epigenetics 8: 290-302]

¹² Glial component of cerebral cortex, n=4, GSE41826 [Guintivano et al, 2013, Epigenetics 8: 290-302]

¹³ Neuronal component of cerebral cortex, n=4, GSE41826 [Guintivano et al, 2013, Epigenetics 8: 290-302]