

Table 1.

		Tumor types					
		Total (N=34)	Astrocytoma (N=8)	Embryonal (N=6)	Ependymoma (N=10)	Glioneuronal/ neuronal (N=8)	Non-Tumor (N=2)
Sex							
	F	14 (41 %)	3 (38 %)	3 (50 %)	5 (50 %)	1 (12 %)	2 (100 %)
	M	20 (59 %)	5 (62 %)	3 (50 %)	5 (50 %)	7 (88 %)	0 (0 %)
Age (years)							
	Mean (SD)	8.5 (±5.3)	5.6 (±4.5)	9.2 (±5.4)	9.5 (±4.3)	11 (±6.5)	5.8 (±7.4)
Grade							
	High	12 (35 %)	0 (0 %)	6 (100 %)	5 (50 %)	1 (12 %)	0 (0 %)
	Low	18 (53 %)	8 (100 %)	0 (0 %)	4 (40 %)	6 (75 %)	0 (0 %)
	NEC/NOS	2 (6 %)	0 (0 %)	0 (0 %)	1 (10 %)	1 (12 %)	0 (0 %)
	Missing	2 (5.9%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (100%)
Location							
	Metastasis	1 (3 %)	1 (12 %)	0 (0 %)	0 (0 %)	0 (0 %)	0 (0 %)
	Subtentorial	19 (56 %)	5 (62 %)	5 (83 %)	8 (80 %)	1 (12 %)	0 (0 %)
	Supratentorial	14 (41 %)	2 (25 %)	1 (17 %)	2 (20 %)	7 (88 %)	2 (100 %)

Table 2.

Measure	Modification	Minimum	Median	Mean	Max	Mean ratio (5-hmC/5-mC)
Global average	5-hmC	0.016	0.027	0.032	0.102	0.060
	5-mC	0.448	0.535	0.530	0.579	
MDI	5-hmC	0.021	0.038	0.038	0.064	0.494
	5-mC	0.028	0.078	0.077	0.116	

Table 3.

A *HDAC4*

	TSS200	TSS1500	Gene body	1 st exon	5' UTR	3' UTR	Exon bound	Enhancer	DHS	dhmCpG total
ATC	2 (15%)	0 (0%)	10 (77%)	0 (0%)	1 (8%)	0 (0%)	0 (0%)	1 (8%)	5 (38%)	13
EMB	0 (0%)	1 (5%)	16 (84%)	0 (0%)	2 (11%)	0 (0%)	0 (0%)	1 (5%)	9 (47%)	19
EPN	0 (0%)	0 (0%)	27 (90%)	0 (0%)	3 (10%)	0 (0%)	0 (0%)	0 (0%)	6 (20%)	30
GNN	0 (0%)	0 (0%)	2 (100%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (50%)	2

B *IGF1R*

	TSS200	TSS1500	Gene body	1 st exon	5' UTR	3' UTR	Exon bound	Enhancer	DHS	dhmCpG total
ATC	0 (0%)	0 (0%)	4 (100%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (50%)	4
EMB	0 (0%)	0 (0%)	3 (100%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (33%)	2 (67%)	3
EPN	0 (0%)	0 (0%)	6 (75%)	0 (0%)	0 (0%)	2 (25%)	0 (0%)	1 (13%)	3 (38%)	8
GNN	0 (0%)	0 (0%)	2 (100%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (50%)	2 (100%)	2

Table 4.

		Bulk EWAS (CT unadjusted)	Bulk EWAS (CT adjusted)	CellDMC (Neuronal-like)	CellDMC (Progenitor- like)
Tumor type					
<i>HDAC4</i>	ATC	0	0	12	7
	EMB	1	1	11	17
	EPN	1	0	1	30
	GNN	0	0	1	2
<i>IGF1R</i>	ATC	0	0	4	4
	EMB	2	0	1	2
	EPN	1	0	0	8
	GNN	0	0	0	2