

Tables

Table 1: List of the top hypermethylated genes with a median methylation difference ≥ 0.45 in HCCs compared to normal samples.

CpG site	Median difference	95% CI	FDR-q-value	Gene	Name	Chr.
cg09053680	0.62	0.51 0.69	< 0.001	UTF1	undifferentiated embryonic cell transcription factor 1	10q26
cg25720804	0.60	0.51 0.68	< 0.001	TLX3	T-cell leukemia homeobox 3	5q35.1
cg26521404	0.60	0.30 0.72	< 0.001	HOXA9	homeobox A9	7p15.2
cg04034767	0.59	0.33 0.68	< 0.001	GRASP	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein	12q13.13
cg22881914	0.57	0.30 0.68	< 0.001	NID2	nidogen 2 (osteonidogen)	14q22.1
cg18815943	0.54	0.36 0.64	< 0.001	FOXE3	forkhead box E3	1p32
cg22375192	0.54	0.32 0.65	< 0.001	IGF1R	insulin-like growth factor 1 receptor	15q26.3
cg08097882	0.52	0.39 0.66	< 0.001	POU4F1	POU class 4 homeobox 1	13q31.1
cg02440177	0.52	0.40 0.62	< 0.001	ZNF702	zinc finger protein 702, pseudogene	19q13.41
cg18536148	0.52	0.24 0.65	< 0.001	TBX4	T-box 4	17q21-q22
cg04797323	0.51	0.22 0.68	< 0.001	SOCS2	suppressor of cytokine signaling 2	12q
cg23391785	0.51	0.37 0.63	< 0.001	DNM3	dynamamin 3	1q24.1
cg08668790	0.50	0.34 0.65	< 0.001	ZNF154	zinc finger protein 154	19q13.4
cg15191648	0.50	0.21 0.59	< 0.001	SALL3	sal-like 3 (Drosophila)	18q23
cg13801416	0.50	0.33 0.61	< 0.001	AKR1B1	aldo-keto reductase family 1, member B1 (aldose reductase)	7q35
cg06377278	0.50	0.20 0.63	< 0.001	RUNX3	runt-related transcription factor 3	1p36
cg09099744	0.49	0.32 0.70	< 0.001	CDKN2A	cyclin-dependent kinase inhibitor 2A (p16)	9p21
cg00489401	0.49	0.30 0.62	< 0.001	FLT4	fms-related tyrosine kinase 4	5q34-q35
cg06291867	0.47	0.39 0.55	< 0.001	HTR7	5-hydroxytryptamine receptor 7	10q21-q24
cg02755525	0.47	0.29 0.58	< 0.001	NETO2	neuropilin (NRP) and tolloid (TLL)-like 2	16q11.2
cg07533148	0.47	0.20 0.61	< 0.001	TRIM58	tripartite motif containing 58	1q44
cg09260089	0.47	0.33 0.62	< 0.001	NKX6-2	NK6 homeobox 2	10q26.3
cg05684891	0.47	0.32 0.58	< 0.001	DAB2IP	DAB2 interacting protein	9q33.1-q33.3
cg21870884	0.46	0.32 0.54	< 0.001	GPR25	G protein-coupled receptor 25	1q32.1
cg15520279	0.46	0.28 0.58	< 0.001	HOXD8	homeobox D8	2q31.1
cg15433631	0.45	0.28 0.57	< 0.001	IRX2	Iroquois homeobox 2	5p15.33