cancers

The *Gasdermin E* gene Potential as a Pan-Cancer Biomarker, While Discriminating between Different Tumor Types

Joe Ibrahim, Ken Op de Beeck, Erik Fransen, Marc Peeters and Guy Van Camp

Table S1. Differences in GSDME CpG methylation (β-value) between normal and tumour tissue samples across the 14 different cancer types.

Probe	Mean Diff	Se Diff	KR_p-value	Mean TP	SD mean TP	SEM TP	Mean NT	SD mean NT	SEM NT	Tumour Type
cg17790129	-1.19E-01	2.96E-02	3.31E-04*	7.63E-01	2.11E-01	1.03E-02	8.92E-01	2.29E-02	5.00E-03	BLCA
cg14205998	-7.37E-02	1.93E-02	6.77E-04*	8.10E-01	1.92E-01	9.42E-03	9.33E-01	1.32E-02	2.88E-03	BLCA
cg04317854	-3.01E-02	3.05E-02	3.36E-01	6.87E-01	1.96E-01	9.58E-03	7.21E-01	7.54E-02	1.65E-02	BLCA
cg12922093	-1.07E-01	2.85E-02	7.08E-04*	7.12E-01	1.98E-01	9.69E-03	8.49E-01	3.27E-02	7.13E-03	BLCA
cg17569154	-1.19E-01	3.87E-02	4.02E-03*	5.71E-01	2.24E-01	1.10E-02	7.45E-01	9.99E-02	2.18E-02	BLCA
cg19260663	-1.31E-01	2.94E-02	8.91E-05*	7.38E-01	2.03E-01	9.92E-03	9.13E-01	2.95E-02	6.44E-03	BLCA
cg09333471	2.33E-03	1.93E-02	9.05E-01	2.10E-01	1.35E-01	6.58E-03	2.03E-01	5.29E-02	1.15E-02	BLCA
cg00473134	6.60E-03	1.18E-02	5.83E-01	1.06E-01	1.16E-01	5.66E-03	7.61E-02	3.05E-02	6.65E-03	BLCA
cg03995857	4.37E-02	2.05E-02	4.25E-02*	1.45E-01	1.51E-01	7.36E-03	9.67E-02	3.61E-02	7.87E-03	BLCA
cg07320646	4.39E-02	2.54E-02	9.58E-02	9.55E-02	1.86E-01	9.08E-03	3.31E-02	2.24E-02	4.89E-03	BLCA
cg07293520	1.63E-02	1.37E-02	2.48E-01	7.63E-02	1.36E-01	6.66E-03	3.83E-02	3.86E-02	8.42E-03	BLCA
cg04770504	5.16E-02	1.85E-02	9.37E-03*	9.72E-02	1.54E-01	7.54E-03	2.35E-02	1.15E-02	2.51E-03	BLCA
cg24805239	5.96E-02	2.22E-02	1.16E-02*	1.37E-01	1.46E-01	7.16E-03	7.32E-02	3.20E-02	6.99E-03	BLCA
cg01733570	-2.17E-02	2.76E-02	4.43E-01	4.38E-01	1.80E-01	8.79E-03	4.73E-01	5.34E-02	1.17E-02	BLCA
cg25723149	1.91E-02	3.16E-02	5.54E-01	4.14E-01	1.91E-01	9.34E-03	4.07E-01	5.97E-02	1.30E-02	BLCA
cg22804000	1.92E-03	2.85E-02	9.47E-01	3.88E-01	1.75E-01	8.55E-03	4.15E-01	4.61E-02	1.01E-02	BLCA
cg07504598	1.15E-01	2.92E-02	3.09E-04*	6.15E-01	1.62E-01	7.91E-03	5.17E-01	6.34E-02	1.38E-02	BLCA
cg15037663	6.80E-02	2.79E-02	2.05E-02*	6.75E-01	1.60E-01	7.81E-03	6.44E-01	5.12E-02	1.12E-02	BLCA

cg19706795	5.78E-02	2.09E-02	9.47E-03*	7.68E-01	1.34E-01	6.55E-03	7.29E-01	3.84E-02	8.39E-03	BLCA
cg20764575	4.65E-02	2.43E-02	6.66E-02	7.68E-01	1.26E-01	6.16E-03	7.20E-01	4.70E-02	1.03E-02	BLCA
cg06301139	-2.89E-02	1.05E-02	1.06E-02*	8.82E-01	1.13E-01	5.52E-03	9.40E-01	1.28E-02	2.80E-03	BLCA
cg26712096	-9.12E-02	2.30E-02	4.45E-04*	7.60E-01	2.02E-01	9.90E-03	9.14E-01	1.81E-02	3.94E-03	BLCA
Probe	**Mean Diff**	**Se Diff**	**KR_p-value**	**Mean TP**	**SD mean TP**	**SEM TP**	**Mean NT**	**SD mean NT**	**SEM NT**	**Tumour Type**
cg17790129	-1.18E-01	1.98E-02	1.47E-08*	7.62E-01	2.37E-01	8.43E-03	9.02E-01	3.88E-02	3.96E-03	BRCA
cg14205998	-1.27E-01	1.96E-02	5.72E-10*	7.90E-01	2.12E-01	7.54E-03	9.23E-01	2.11E-02	2.16E-03	BRCA
cg04317854	-8.05E-02	1.84E-02	1.98E-05*	7.42E-01	1.95E-01	6.92E-03	8.35E-01	5.91E-02	6.03E-03	BRCA
cg12922093	-1.86E-01	1.95E-02	2.65E-18*	6.73E-01	2.15E-01	7.64E-03	8.72E-01	3.74E-02	3.82E-03	BRCA
cg17569154	-1.69E-01	1.80E-02	2.00E-17*	6.85E-01	2.11E-01	7.52E-03	8.63E-01	6.18E-02	6.31E-03	BRCA
cg19260663	-1.75E-01	1.86E-02	2.69E-18*	7.41E-01	2.00E-01	7.10E-03	9.24E-01	2.12E-02	2.16E-03	BRCA
cg09333471	1.62E-01	1.53E-02	3.82E-22*	3.41E-01	1.62E-01	5.76E-03	1.86E-01	6.62E-02	6.75E-03	BRCA
cg00473134	1.32E-01	1.50E-02	9.90E-17*	2.01E-01	1.54E-01	5.49E-03	7.25E-02	2.91E-02	2.97E-03	BRCA
cg03995857	1.98E-01	2.07E-02	3.74E-19*	2.81E-01	2.15E-01	7.66E-03	8.41E-02	3.88E-02	3.96E-03	BRCA
cg07320646	1.57E-01	2.28E-02	5.50E-11*	1.85E-01	2.47E-01	8.77E-03	2.33E-02	1.57E-02	1.60E-03	BRCA
cg07293520	9.66E-02	1.44E-02	2.57E-10*	1.31E-01	1.73E-01	6.14E-03	2.68E-02	1.03E-02	1.05E-03	BRCA
cg04770504	1.54E-01	1.71E-02	5.75E-17*	1.82E-01	1.87E-01	6.66E-03	1.99E-02	1.27E-02	1.30E-03	BRCA
cg24805239	1.71E-01	1.69E-02	1.23E-20*	2.30E-01	1.80E-01	6.39E-03	5.85E-02	2.69E-02	2.74E-03	BRCA
cg01733570	1.09E-01	1.99E-02	1.10E-07*	5.06E-01	2.07E-01	7.38E-03	3.99E-01	1.01E-01	1.04E-02	BRCA
cg25723149	1.98E-01	1.98E-02	5.49E-20*	4.86E-01	2.12E-01	7.52E-03	2.84E-01	9.26E-02	9.45E-03	BRCA
cg22804000	1.46E-01	1.82E-02	4.88E-14*	4.32E-01	1.98E-01	7.03E-03	2.83E-01	6.03E-02	6.16E-03	BRCA
cg07504598	1.99E-01	1.72E-02	1.03E-24*	6.00E-01	1.90E-01	6.75E-03	3.98E-01	7.74E-02	7.90E-03	BRCA
cg15037663	1.35E-01	1.91E-02	1.22E-11*	6.02E-01	1.99E-01	7.09E-03	4.72E-01	7.67E-02	7.83E-03	BRCA
cg19706795	1.08E-01	1.77E-02	3.21E-09*	6.66E-01	1.84E-01	6.53E-03	5.61E-01	6.99E-02	7.14E-03	BRCA

cg20764575	1.73E-01	1.75E-02	1.97E-20*	6.61E-01	1.80E-01	6.39E-03	4.87E-01	6.54E-02	6.68E-03	BRCA
cg06301139	-6.64E-02	1.41E-02	4.47E-06*	8.41E-01	1.53E-01	5.45E-03	9.10E-01	2.70E-02	2.75E-03	BRCA
cg26712096	-1.91E-01	2.06E-02	7.82E-18*	7.29E-01	2.21E-01	7.86E-03	9.26E-01	1.59E-02	1.62E-03	BRCA
Probe	**Mean Diff**	**Se Diff**	**KR_p-value**	**Mean TP**	**SD mean TP**	**SEM TP**	**Mean NT**	**SD mean NT**	**SEM NT**	**Tumour Type**
cg17790129	-9.19E-02	2.06E-02	1.94E-05*	8.30E-01	1.54E-01	7.62E-03	9.15E-01	2.38E-02	3.55E-03	CRC
cg14205998	-1.25E-01	2.09E-02	4.13E-08*	8.00E-01	1.74E-01	8.60E-03	9.28E-01	2.46E-02	3.66E-03	CRC
cg04317854	-4.26E-02	1.59E-02	9.06E-03*	7.92E-01	1.21E-01	5.97E-03	8.43E-01	4.75E-02	7.08E-03	CRC
cg12922093	-1.78E-01	2.04E-02	1.18E-13*	6.68E-01	1.80E-01	8.90E-03	8.41E-01	3.21E-02	4.79E-03	CRC
cg17569154	-8.54E-02	2.61E-02	1.48E-03*	5.54E-01	1.89E-01	9.32E-03	6.32E-01	1.03E-01	1.54E-02	CRC
cg19260663	-9.71E-02	2.00E-02	3.82E-06*	8.02E-01	1.51E-01	7.47E-03	9.00E-01	2.84E-02	4.23E-03	CRC
cg09333471	1.84E-01	2.33E-02	2.74E-12*	4.83E-01	1.90E-01	9.39E-03	3.09E-01	4.27E-02	6.36E-03	CRC
cg00473134	2.35E-01	2.22E-02	1.01E-17*	3.33E-01	1.95E-01	9.62E-03	1.15E-01	2.73E-02	4.07E-03	CRC
cg03995857	3.93E-01	2.72E-02	1.71E-25*	4.97E-01	2.41E-01	1.19E-02	1.40E-01	4.51E-02	6.73E-03	CRC
cg07320646	3.46E-01	3.98E-02	6.49E-15*	3.68E-01	2.94E-01	1.45E-02	2.41E-02	9.54E-03	1.42E-03	CRC
cg07293520	2.46E-01	2.97E-02	4.73E-13*	2.77E-01	2.46E-01	1.21E-02	2.72E-02	4.87E-03	7.26E-04	CRC
cg04770504	2.94E-01	2.50E-02	6.59E-22*	3.18E-01	1.94E-01	9.58E-03	2.10E-02	3.77E-03	5.62E-04	CRC
cg24805239	3.09E-01	2.80E-02	7.87E-20*	3.97E-01	2.22E-01	1.10E-02	8.64E-02	1.85E-02	2.75E-03	CRC
cg01733570	1.11E-01	2.81E-02	1.34E-04*	5.92E-01	2.09E-01	1.03E-02	4.82E-01	4.51E-02	6.73E-03	CRC
cg25723149	1.08E-01	2.62E-02	8.02E-05*	6.31E-01	1.99E-01	9.82E-03	5.27E-01	4.88E-02	7.27E-03	CRC
cg22804000	1.08E-01	2.58E-02	5.79E-05*	5.66E-01	1.95E-01	9.63E-03	4.57E-01	4.30E-02	6.41E-03	CRC
cg07504598	1.09E-01	2.16E-02	2.13E-06*	6.76E-01	1.73E-01	8.56E-03	5.66E-01	4.64E-02	6.92E-03	CRC
cg15037663	6.53E-02	2.47E-02	9.59E-03*	6.26E-01	1.72E-01	8.50E-03	5.57E-01	5.67E-02	8.45E-03	CRC
cg19706795	7.06E-02	1.97E-02	4.67E-04*	7.11E-01	1.34E-01	6.64E-03	6.38E-01	6.08E-02	9.07E-03	CRC
cg20764575	2.88E-02	1.38E-02	4.00E-02*	8.04E-01	9.26E-02	4.57E-03	7.75E-01	3.61E-02	5.38E-03	CRC

cg06301139	-9.22E-02	1.67E-02	3.30E-07*	8.04E-01	1.46E-01	7.19E-03	9.02E-01	3.36E-02	5.02E-03	CRC
cg26712096	-1.23E-01	2.76E-02	1.93E-05*	4.60E-01	2.01E-01	9.92E-03	5.72E-01	1.11E-01	1.65E-02	CRC
Probe	**Mean Diff**	**Se Diff**	**KR_p-value**	**Mean TP**	**SD mean TP**	**SEM TP**	**Mean NT**	**SD mean NT**	**SEM NT**	**Tumour Type**
cg17790129	3.07E-02	3.81E-02	4.46E-01	8.01E-01	1.53E-01	1.13E-02	7.48E-01	1.09E-01	2.72E-02	ESCA
cg14205998	-2.12E-02	2.39E-02	3.97E-01	8.69E-01	1.22E-01	8.95E-03	8.64E-01	1.67E-01	4.17E-02	ESCA
cg04317854	1.02E-01	3.13E-02	2.42E-03*	7.96E-01	1.23E-01	9.04E-03	6.94E-01	7.79E-02	1.95E-02	ESCA
cg12922093	-5.78E-02	2.89E-02	6.24E-02	7.84E-01	1.32E-01	9.70E-03	8.16E-01	1.07E-01	2.67E-02	ESCA
cg17569154	-1.03E-01	5.63E-02	8.57E-02	6.94E-01	2.28E-01	1.68E-02	7.51E-01	2.28E-01	5.71E-02	ESCA
cg19260663	-7.89E-02	2.63E-02	7.16E-03*	8.23E-01	1.29E-01	9.51E-03	8.75E-01	6.19E-02	1.55E-02	ESCA
cg09333471	1.35E-01	4.75E-02	1.01E-02*	3.26E-01	2.25E-01	1.65E-02	2.77E-01	1.77E-01	4.43E-02	ESCA
cg00473134	1.57E-01	5.09E-02	5.22E-03*	2.18E-01	2.25E-01	1.65E-02	1.07E-01	9.73E-02	2.43E-02	ESCA
cg03995857	2.25E-01	6.57E-02	2.20E-03*	3.02E-01	2.94E-01	2.16E-02	1.70E-01	2.22E-01	5.55E-02	ESCA
cg07320646	2.35E-01	7.70E-02	5.19E-03*	2.72E-01	3.23E-01	2.38E-02	1.09E-01	2.39E-01	5.99E-02	ESCA
cg07293520	2.18E-01	6.45E-02	2.28E-03*	2.42E-01	2.78E-01	2.05E-02	8.79E-02	1.75E-01	4.38E-02	ESCA
cg04770504	1.52E-01	5.38E-02	9.37E-03*	1.93E-01	2.23E-01	1.64E-02	8.36E-02	1.75E-01	4.38E-02	ESCA
cg24805239	1.78E-01	5.83E-02	5.43E-03*	2.50E-01	2.52E-01	1.86E-02	1.41E-01	1.86E-01	4.64E-02	ESCA
cg01733570	7.08E-02	5.09E-02	1.88E-01	5.04E-01	2.37E-01	1.74E-02	4.85E-01	1.29E-01	3.24E-02	ESCA
cg25723149	2.67E-02	5.05E-02	6.11E-01	4.44E-01	2.59E-01	1.90E-02	5.01E-01	1.65E-01	4.13E-02	ESCA
cg22804000	5.19E-03	4.71E-02	9.16E-01	4.19E-01	2.33E-01	1.71E-02	4.92E-01	1.43E-01	3.57E-02	ESCA
cg07504598	8.76E-02	3.40E-02	1.96E-02*	5.73E-01	1.93E-01	1.42E-02	5.56E-01	1.66E-01	4.15E-02	ESCA
cg15037663	2.22E-02	3.42E-02	5.34E-01	6.27E-01	1.75E-01	1.29E-02	6.26E-01	1.31E-01	3.26E-02	ESCA
cg19706795	1.79E-02	2.93E-02	5.58E-01	7.21E-01	1.47E-01	1.08E-02	7.12E-01	1.41E-01	3.52E-02	ESCA
cg20764575	2.72E-02	2.98E-02	3.81E-01	7.05E-01	1.60E-01	1.18E-02	7.13E-01	1.73E-01	4.32E-02	ESCA
cg06301139	-4.62E-02	1.51E-02	7.13E-03*	8.83E-01	1.00E-01	7.38E-03	8.94E-01	1.26E-01	3.16E-02	ESCA

cg26712096	-4.39E-02	4.87E-02	3.95E-01	7.94E-01	1.85E-01	1.36E-02	8.24E-01	2.32E-01	5.81E-02	ESCA
Probe	**Mean Diff**	**Se Diff**	**KR_p-value**	**Mean TP**	**SD mean TP**	**SEM TP**	**Mean NT**	**SD mean NT**	**SEM NT**	**Tumour Type**
cg17790129	-1.20E-03	1.06E-02	9.12E-01	8.89E-01	7.96E-02	3.46E-03	8.89E-01	4.39E-02	6.21E-03	HNSC
cg14205998	-9.46E-03	4.39E-03	3.57E-02*	9.18E-01	4.57E-02	1.99E-03	9.33E-01	1.37E-02	1.94E-03	HNSC
cg04317854	8.57E-02	1.27E-02	7.40E-11*	8.22E-01	8.71E-02	3.79E-03	7.37E-01	6.68E-02	9.45E-03	HNSC
cg12922093	-3.79E-02	9.97E-03	2.91E-04*	8.27E-01	8.51E-02	3.70E-03	8.70E-01	3.91E-02	5.53E-03	HNSC
cg17569154	-2.04E-01	2.55E-02	4.14E-14*	7.18E-01	1.82E-01	7.91E-03	9.20E-01	3.23E-02	4.56E-03	HNSC
cg19260663	3.53E-03	6.02E-03	5.63E-01	9.03E-01	5.60E-02	2.44E-03	9.03E-01	3.21E-02	4.54E-03	HNSC
cg09333471	-8.10E-03	1.16E-02	4.94E-01	1.84E-01	8.13E-02	3.54E-03	1.92E-01	4.19E-02	5.92E-03	HNSC
cg00473134	-1.12E-02	3.95E-03	5.94E-03*	6.47E-02	3.33E-02	1.45E-03	7.65E-02	1.67E-02	2.37E-03	HNSC
cg03995857	-7.61E-03	2.66E-03	6.11E-03*	7.85E-02	3.54E-02	1.54E-03	8.52E-02	1.64E-02	2.32E-03	HNSC
cg07320646	-2.07E-04	6.50E-04	7.52E-01	2.45E-02	4.07E-02	1.77E-03	2.11E-02	3.50E-03	4.95E-04	HNSC
cg07293520	-3.06E-03	1.37E-03	3.02E-02*	2.92E-02	3.91E-02	1.70E-03	2.91E-02	9.08E-03	1.28E-03	HNSC
cg04770504	3.14E-03	2.49E-03	2.13E-01	2.33E-02	3.60E-02	1.57E-03	1.74E-02	2.53E-03	3.58E-04	HNSC
cg24805239	-1.28E-03	6.01E-03	8.34E-01	6.53E-02	4.21E-02	1.83E-03	6.66E-02	1.73E-02	2.44E-03	HNSC
cg01733570	-1.51E-02	2.15E-02	4.91E-01	3.45E-01	1.46E-01	6.37E-03	3.60E-01	1.35E-01	1.90E-02	HNSC
cg25723149	4.25E-03	1.93E-02	8.29E-01	2.75E-01	1.32E-01	5.75E-03	2.71E-01	1.16E-01	1.64E-02	HNSC
cg22804000	5.29E-03	1.87E-02	7.81E-01	2.60E-01	1.27E-01	5.52E-03	2.54E-01	1.20E-01	1.69E-02	HNSC
cg07504598	1.33E-01	2.52E-02	3.49E-07*	4.79E-01	1.77E-01	7.68E-03	3.47E-01	1.30E-01	1.84E-02	HNSC
cg15037663	1.44E-01	2.64E-02	1.30E-07*	5.62E-01	1.83E-01	7.97E-03	4.18E-01	1.20E-01	1.70E-02	HNSC
cg19706795	1.63E-01	2.55E-02	6.45E-10*	6.66E-01	1.75E-01	7.62E-03	5.03E-01	1.39E-01	1.97E-02	HNSC
cg20764575	1.76E-01	2.74E-02	6.98E-10*	6.20E-01	1.89E-01	8.23E-03	4.45E-01	1.51E-01	2.13E-02	HNSC
cg06301139	-4.67E-02	2.02E-02	2.37E-02*	8.66E-01	1.60E-01	6.97E-03	9.20E-01	1.87E-02	2.65E-03	HNSC
Probe	**Mean Diff**	**Se Diff**	**KR_p-value**	**Mean TP**	**SD mean TP**	**SEM TP**	**Mean NT**	**SD mean NT**	**SEM NT**	**Tumour Type**

cg17790129	-8.43E-04	5.48E-03	8.78E-01	9.12E-01	6.85E-02	3.80E-03	9.13E-01	2.03E-02	1.61E-03	KIRC
cg14205998	-1.37E-03	1.55E-03	3.80E-01	9.30E-01	2.30E-02	1.28E-03	9.32E-01	2.11E-02	1.66E-03	KIRC
cg04317854	3.20E-02	1.20E-02	8.41E-03*	6.32E-01	1.65E-01	9.16E-03	6.09E-01	8.93E-02	7.06E-03	KIRC
cg12922093	-1.74E-02	4.40E-03	1.06E-04*	8.77E-01	5.62E-02	3.12E-03	8.95E-01	2.50E-02	1.98E-03	KIRC
cg17569154	-7.53E-02	9.36E-03	2.45E-14*	8.68E-01	1.19E-01	6.62E-03	9.43E-01	1.29E-02	1.02E-03	KIRC
cg19260663	-1.82E-02	2.53E-03	1.03E-11*	9.08E-01	3.60E-02	2.00E-03	9.31E-01	1.82E-02	1.44E-03	KIRC
cg09333471	-4.71E-03	5.44E-03	3.88E-01	1.68E-01	6.14E-02	3.41E-03	1.73E-01	4.83E-02	3.82E-03	KIRC
cg00473134	-2.67E-03	1.48E-03	7.37E-02	5.90E-02	1.70E-02	9.46E-04	6.15E-02	1.58E-02	1.25E-03	KIRC
cg03995857	1.74E-03	1.52E-03	2.55E-01	7.13E-02	1.79E-02	9.95E-04	6.82E-02	1.54E-02	1.22E-03	KIRC
cg07320646	4.10E-04	2.50E-04	1.03E-01	1.88E-02	5.69E-03	3.16E-04	1.59E-02	2.22E-03	1.76E-04	KIRC
cg07293520	7.20E-04	4.62E-04	1.22E-01	2.44E-02	5.77E-03	3.21E-04	2.29E-02	5.42E-03	4.28E-04	KIRC
cg04770504	8.80E-04	1.01E-03	3.85E-01	1.75E-02	1.25E-02	6.95E-04	1.66E-02	3.74E-03	2.96E-04	KIRC
cg24805239	-1.05E-02	2.57E-03	5.95E-05*	5.33E-02	2.80E-02	1.55E-03	6.39E-02	2.38E-02	1.88E-03	KIRC
cg01733570	-8.66E-02	1.06E-02	1.10E-14*	3.79E-01	1.31E-01	7.29E-03	4.66E-01	7.40E-02	5.85E-03	KIRC
cg25723149	1.66E-02	1.13E-02	1.43E-01	3.54E-01	1.44E-01	8.00E-03	3.38E-01	6.77E-02	5.35E-03	KIRC
cg22804000	-2.44E-02	1.06E-02	2.27E-02*	3.11E-01	1.31E-01	7.30E-03	3.36E-01	6.05E-02	4.78E-03	KIRC
cg07504598	8.74E-03	9.95E-03	3.81E-01	3.80E-01	1.30E-01	7.21E-03	3.75E-01	7.91E-02	6.25E-03	KIRC
cg15037663	-1.54E-02	9.58E-03	1.09E-01	4.48E-01	1.24E-01	6.86E-03	4.64E-01	6.40E-02	5.06E-03	KIRC
cg19706795	-1.71E-02	1.03E-02	9.92E-02	5.61E-01	1.35E-01	7.49E-03	5.80E-01	5.98E-02	4.73E-03	KIRC
cg20764575	2.81E-02	1.31E-02	3.31E-02*	6.45E-01	1.75E-01	9.72E-03	6.21E-01	6.73E-02	5.32E-03	KIRC
cg06301139	-1.24E-02	3.18E-03	1.30E-04*	9.32E-01	4.31E-02	2.39E-03	9.44E-01	1.24E-02	9.77E-04	KIRC
cg26712096	-1.20E-02	2.42E-03	1.37E-06*	9.30E-01	3.14E-02	1.74E-03	9.43E-01	1.66E-02	1.31E-03	KIRC
Probe	**Mean Diff**	**Se Diff**	**KR_p-value**	**Mean TP**	**SD mean TP**	**SEM TP**	**Mean NT**	**SD mean NT**	**SEM NT**	**Tumour Type**
cg17790129	8.64E-03	9.58E-03	3.75E-01	9.17E-01	7.89E-02	4.76E-03	9.08E-01	2.28E-02	3.40E-03	KIRP

cg14205998	-1.05E-03	1.85E-03	5.75E-01	9.30E-01	1.91E-02	1.15E-03	9.42E-01	1.09E-02	1.63E-03	KIRP
cg04317854	2.55E-01	2.12E-02	6.11E-24*	8.12E-01	1.43E-01	8.62E-03	5.58E-01	8.52E-02	1.27E-02	KIRP
cg12922093	1.79E-02	6.00E-03	4.00E-03*	8.98E-01	4.19E-02	2.53E-03	8.79E-01	2.83E-02	4.22E-03	KIRP
cg17569154	-1.38E-01	2.43E-02	3.35E-07*	7.68E-01	2.09E-01	1.26E-02	9.31E-01	1.81E-02	2.70E-03	KIRP
cg19260663	-2.29E-02	7.71E-03	3.96E-03*	9.04E-01	5.23E-02	3.15E-03	9.25E-01	2.82E-02	4.20E-03	KIRP
cg09333471	2.85E-03	1.74E-02	8.72E-01	1.75E-01	1.16E-01	6.97E-03	1.72E-01	3.54E-02	5.28E-03	KIRP
cg00473134	1.05E-02	1.57E-02	5.11E-01	7.65E-02	1.05E-01	6.32E-03	6.61E-02	1.17E-02	1.75E-03	KIRP
cg03995857	1.41E-02	1.64E-02	3.99E-01	9.02E-02	1.10E-01	6.65E-03	7.69E-02	1.24E-02	1.84E-03	KIRP
cg07320646	1.24E-02	1.83E-02	5.06E-01	4.25E-02	1.20E-01	7.24E-03	3.01E-02	6.35E-02	9.47E-03	KIRP
cg07293520	1.94E-02	1.54E-02	2.17E-01	4.26E-02	1.03E-01	6.23E-03	2.32E-02	4.53E-03	6.75E-04	KIRP
cg04770504	1.42E-02	1.19E-02	2.41E-01	3.12E-02	7.95E-02	4.79E-03	1.70E-02	3.11E-03	4.63E-04	KIRP
cg24805239	6.78E-03	1.46E-02	6.48E-01	6.90E-02	9.76E-02	5.89E-03	6.22E-02	1.69E-02	2.52E-03	KIRP
cg01733570	-4.55E-03	3.03E-02	8.83E-01	4.17E-01	2.02E-01	1.22E-02	4.22E-01	6.05E-02	9.02E-03	KIRP
cg25723149	4.42E-02	2.93E-02	1.39E-01	3.63E-01	1.95E-01	1.18E-02	3.19E-01	5.53E-02	8.24E-03	KIRP
cg22804000	3.40E-02	2.88E-02	2.47E-01	3.46E-01	1.92E-01	1.16E-02	3.12E-01	5.28E-02	7.88E-03	KIRP
cg07504598	5.31E-02	3.07E-02	9.06E-02	4.09E-01	2.10E-01	1.26E-02	3.67E-01	7.41E-02	1.11E-02	KIRP
cg15037663	1.26E-02	2.79E-02	6.58E-01	4.35E-01	1.93E-01	1.17E-02	4.36E-01	5.77E-02	8.60E-03	KIRP
cg19706795	6.11E-02	2.97E-02	4.43E-02*	6.08E-01	2.05E-01	1.24E-02	5.56E-01	5.35E-02	7.98E-03	KIRP
cg20764575	9.51E-02	2.80E-02	1.11E-03*	6.59E-01	2.09E-01	1.26E-02	5.84E-01	5.74E-02	8.56E-03	KIRP
cg06301139	-6.05E-03	3.30E-03	7.29E-02	9.30E-01	2.21E-02	1.33E-03	9.37E-01	1.67E-02	2.49E-03	KIRP
cg26712096	-8.25E-03	4.77E-03	9.15E-02	9.33E-01	4.02E-02	2.42E-03	9.49E-01	1.10E-02	1.64E-03	KIRP

Probe	Mean Diff	Se Diff	KR_p-value	Mean TP	SD mean TP	SEM TP	Mean NT	SD mean NT	SEM NT	Tumour Type
cg17790129	-2.05E-02	1.15E-02	7.99E-02	9.01E-01	8.23E-02	4.24E-03	9.23E-01	2.91E-02	4.12E-03	LIHC
cg14205998	-3.17E-02	8.87E-03	4.99E-04*	9.01E-01	6.24E-02	3.21E-03	9.33E-01	1.47E-02	2.08E-03	LIHC

cg04317854	-9.48E-02	2.48E-02	2.09E-04*	7.48E-01	1.78E-01	9.18E-03	8.43E-01	4.81E-02	6.80E-03	LIHC
cg12922093	-1.74E-01	2.78E-02	5.81E-09*	7.01E-01	2.10E-01	1.08E-02	8.64E-01	3.40E-02	4.80E-03	LIHC
cg17569154	-1.07E-01	2.43E-02	1.91E-05*	8.34E-01	1.72E-01	8.84E-03	9.41E-01	1.73E-02	2.44E-03	LIHC
cg19260663	-1.90E-01	3.09E-02	4.24E-09*	7.21E-01	2.19E-01	1.13E-02	9.10E-01	3.03E-02	4.29E-03	LIHC
cg09333471	-9.53E-03	2.82E-02	7.39E-01	3.79E-01	1.98E-01	1.02E-02	3.93E-01	9.63E-02	1.36E-02	LIHC
cg00473134	8.23E-02	2.25E-02	3.63E-04*	1.60E-01	1.60E-01	8.23E-03	8.05E-02	1.74E-02	2.47E-03	LIHC
cg03995857	8.43E-02	2.42E-02	6.60E-04*	1.85E-01	1.70E-01	8.76E-03	1.00E-01	4.03E-02	5.70E-03	LIHC
cg07320646	1.45E-02	1.30E-02	2.75E-01	3.88E-02	9.20E-02	4.74E-03	2.43E-02	9.55E-03	1.35E-03	LIHC
cg07293520	6.76E-03	6.59E-03	3.13E-01	3.10E-02	4.66E-02	2.40E-03	2.42E-02	4.17E-03	5.89E-04	LIHC
cg04770504	1.59E-02	1.06E-02	1.41E-01	3.50E-02	7.49E-02	3.86E-03	1.91E-02	2.56E-03	3.62E-04	LIHC
cg24805239	2.09E-02	1.35E-02	1.27E-01	7.46E-02	9.51E-02	4.90E-03	5.36E-02	1.46E-02	2.06E-03	LIHC
cg01733570	4.03E-02	3.31E-02	2.32E-01	3.54E-01	2.32E-01	1.19E-02	3.13E-01	8.70E-02	1.23E-02	LIHC
cg25723149	6.74E-02	3.28E-02	4.40E-02*	3.20E-01	2.30E-01	1.18E-02	2.53E-01	9.19E-02	1.30E-02	LIHC
cg22804000	7.39E-02	3.20E-02	2.35E-02*	3.03E-01	2.24E-01	1.15E-02	2.29E-01	8.22E-02	1.16E-02	LIHC
cg07504598	4.15E-02	3.40E-02	2.30E-01	3.85E-01	2.37E-01	1.22E-02	3.43E-01	9.71E-02	1.37E-02	LIHC
cg15037663	3.76E-02	3.48E-02	2.88E-01	4.80E-01	2.43E-01	1.25E-02	4.43E-01	1.12E-01	1.59E-02	LIHC
cg19706795	5.93E-02	3.30E-02	7.74E-02	5.66E-01	2.30E-01	1.18E-02	5.07E-01	1.09E-01	1.55E-02	LIHC
cg20764575	1.21E-01	3.61E-02	1.08E-03*	5.61E-01	2.49E-01	1.28E-02	4.40E-01	1.47E-01	2.08E-02	LIHC
cg06301139	-9.03E-02	2.38E-02	2.20E-04*	8.29E-01	1.68E-01	8.65E-03	9.20E-01	2.35E-02	3.32E-03	LIHC
cg26712096	-1.14E-01	2.92E-02	1.37E-04*	8.20E-01	2.07E-01	1.07E-02	9.35E-01	2.02E-02	2.86E-03	LIHC

Probe	**Mean Diff**	**Se Diff**	**KR_p-value**	**Mean TP**	**SD mean TP**	**SEM TP**	**Mean NT**	**SD mean NT**	**SEM NT**	**Tumour Type**
cg17790129	4.53E-02	1.46E-02	2.88E-03*	8.23E-01	1.03E-01	4.71E-03	7.72E-01	4.27E-02	7.55E-03	LUAD
cg14205998	-6.22E-03	8.15E-03	4.51E-01	8.59E-01	8.40E-02	3.86E-03	8.84E-01	2.99E-02	5.29E-03	LUAD
cg04317854	1.04E-01	1.70E-02	4.20E-08*	7.44E-01	1.17E-01	5.38E-03	6.26E-01	5.66E-02	1.00E-02	LUAD

cg12922093	-5.40E-02	1.70E-02	2.37E-03*	7.28E-01	1.32E-01	6.05E-03	8.04E-01	3.86E-02	6.82E-03	LUAD
cg17569154	-2.50E-02	1.33E-02	6.72E-02	8.21E-01	1.02E-01	4.68E-03	8.50E-01	3.57E-02	6.31E-03	LUAD
cg19260663	-5.61E-02	1.37E-02	1.37E-04*	7.84E-01	1.15E-01	5.28E-03	8.39E-01	4.04E-02	7.14E-03	LUAD
cg09333471	6.95E-02	1.93E-02	5.02E-04*	2.84E-01	1.15E-01	5.30E-03	2.18E-01	3.75E-02	6.63E-03	LUAD
cg00473134	4.78E-02	1.82E-02	1.01E-02*	1.48E-01	1.05E-01	4.84E-03	1.05E-01	2.65E-02	4.68E-03	LUAD
cg03995857	8.69E-02	2.28E-02	2.68E-04*	2.05E-01	1.46E-01	6.71E-03	1.35E-01	2.41E-02	4.25E-03	LUAD
cg07320646	6.97E-02	2.29E-02	3.49E-03*	1.05E-01	1.63E-01	7.52E-03	4.26E-02	1.51E-02	2.67E-03	LUAD
cg07293520	5.77E-02	1.96E-02	4.35E-03*	1.07E-01	1.25E-01	5.76E-03	5.70E-02	1.50E-02	2.65E-03	LUAD
cg04770504	7.31E-02	1.96E-02	4.28E-04*	1.20E-01	1.48E-01	6.82E-03	3.92E-02	1.20E-02	2.13E-03	LUAD
cg24805239	6.19E-02	1.93E-02	2.12E-03*	1.76E-01	1.36E-01	6.26E-03	1.18E-01	2.11E-02	3.73E-03	LUAD
cg01733570	-3.37E-02	2.09E-02	1.14E-01	4.00E-01	1.27E-01	5.86E-03	4.45E-01	5.60E-02	9.89E-03	LUAD
cg25723149	3.43E-02	2.14E-02	1.18E-01	3.66E-01	1.33E-01	6.09E-03	3.42E-01	5.47E-02	9.66E-03	LUAD
cg22804000	3.20E-02	2.01E-02	1.19E-01	3.42E-01	1.23E-01	5.66E-03	3.17E-01	5.48E-02	9.69E-03	LUAD
cg07504598	9.85E-02	1.65E-02	8.60E-08*	6.18E-01	1.17E-01	5.36E-03	5.06E-01	5.21E-02	9.21E-03	LUAD
cg15037663	8.46E-02	1.67E-02	2.67E-06*	6.77E-01	1.10E-01	5.06E-03	5.90E-01	4.82E-02	8.51E-03	LUAD
cg19706795	4.04E-02	1.59E-02	1.30E-02*	7.52E-01	8.95E-02	4.11E-03	7.11E-01	3.76E-02	6.65E-03	LUAD
cg20764575	8.99E-02	1.50E-02	8.18E-09*	7.40E-01	8.39E-02	3.86E-03	6.49E-01	5.86E-02	1.04E-02	LUAD
cg06301139	-1.24E-02	7.50E-03	1.04E-01	8.66E-01	7.25E-02	3.33E-03	8.82E-01	2.51E-02	4.44E-03	LUAD
cg26712096	-2.92E-02	1.36E-02	3.68E-02*	8.13E-01	1.20E-01	5.50E-03	8.59E-01	2.94E-02	5.20E-03	LUAD

Probe	**Mean Diff**	**Se Diff**	**KR_p-value**	**Mean TP**	**SD mean TP**	**SEM TP**	**Mean NT**	**SD mean NT**	**SEM NT**	**Tumour Type**
cg17790129	5.53E-02	1.33E-02	5.65E-05*	8.86E-01	8.48E-02	4.41E-03	8.31E-01	4.50E-02	6.94E-03	LUSC
cg14205998	-2.40E-02	6.55E-03	6.89E-04*	8.91E-01	8.96E-02	4.66E-03	9.36E-01	1.13E-02	1.74E-03	LUSC
cg04317854	1.17E-01	1.84E-02	1.12E-08*	7.76E-01	1.33E-01	6.92E-03	6.66E-01	7.54E-02	1.16E-02	LUSC
cg12922093	-3.20E-02	1.59E-02	4.96E-02*	7.95E-01	1.03E-01	5.33E-03	8.27E-01	3.16E-02	4.87E-03	LUSC

cg17569154	-6.77E-02	2.04E-02	1.28E-03*	8.36E-01	1.33E-01	6.90E-03	9.04E-01	2.98E-02	4.60E-03	LUSC
cg19260663	-3.45E-02	8.77E-03	2.92E-04*	8.63E-01	1.04E-01	5.38E-03	9.25E-01	1.71E-02	2.64E-03	LUSC
cg09333471	1.74E-02	1.27E-02	1.82E-01	1.92E-01	8.39E-02	4.36E-03	1.75E-01	3.68E-02	5.68E-03	LUSC
cg00473134	4.21E-03	6.25E-03	5.09E-01	6.70E-02	4.05E-02	2.11E-03	6.30E-02	1.32E-02	2.03E-03	LUSC
cg03995857	2.58E-03	7.32E-03	7.30E-01	8.02E-02	4.72E-02	2.46E-03	7.76E-02	1.22E-02	1.89E-03	LUSC
cg07320646	6.17E-03	6.33E-03	3.40E-01	2.44E-02	4.10E-02	2.13E-03	1.83E-02	2.75E-03	4.25E-04	LUSC
cg07293520	4.12E-03	5.70E-03	4.79E-01	2.80E-02	3.69E-02	1.92E-03	2.39E-02	5.69E-03	8.79E-04	LUSC
cg04770504	5.25E-03	5.04E-03	3.08E-01	2.27E-02	3.26E-02	1.69E-03	1.75E-02	3.11E-03	4.80E-04	LUSC
cg24805239	-8.05E-03	7.24E-03	2.76E-01	7.40E-02	4.67E-02	2.43E-03	8.21E-02	1.42E-02	2.19E-03	LUSC
cg01733570	1.35E-02	2.64E-02	6.16E-01	4.45E-01	1.71E-01	8.89E-03	4.36E-01	6.42E-02	9.91E-03	LUSC
cg25723149	5.21E-02	2.48E-02	4.01E-02*	3.54E-01	1.60E-01	8.32E-03	3.03E-01	5.28E-02	8.15E-03	LUSC
cg22804000	5.09E-02	2.35E-02	3.46E-02*	3.37E-01	1.51E-01	7.86E-03	2.86E-01	5.44E-02	8.39E-03	LUSC
cg07504598	3.95E-02	2.38E-02	1.05E-01	5.29E-01	1.69E-01	8.77E-03	5.04E-01	6.18E-02	9.54E-03	LUSC
cg15037663	4.89E-02	2.32E-02	4.03E-02*	6.21E-01	1.77E-01	9.20E-03	6.02E-01	5.07E-02	7.83E-03	LUSC
cg19706795	1.52E-02	1.82E-02	4.11E-01	7.17E-01	1.60E-01	8.33E-03	7.26E-01	4.99E-02	7.70E-03	LUSC
cg20764575	4.12E-02	2.17E-02	6.41E-02	6.70E-01	1.71E-01	8.87E-03	6.67E-01	5.46E-02	8.42E-03	LUSC
cg06301139	-2.60E-02	1.61E-02	1.15E-01	8.90E-01	1.14E-01	5.93E-03	9.20E-01	2.35E-02	3.63E-03	LUSC
cg26712096	-4.66E-02	1.40E-02	1.70E-03*	8.56E-01	1.39E-01	7.23E-03	9.25E-01	1.68E-02	2.59E-03	LUSC

Probe	**Mean Diff**	**Se Diff**	**KR_p-value**	**Mean TP**	**SD mean TP**	**SEM TP**	**Mean NT**	**SD mean NT**	**SEM NT**	**Tumour Type**
cg17790129	-7.74E-02	3.30E-02	3.93E-02*	7.87E-01	1.23E-01	9.10E-03	8.88E-01	2.69E-02	8.51E-03	PAAD
cg14205998	-1.09E-02	6.51E-03	1.30E-01	9.07E-01	3.23E-02	2.38E-03	9.32E-01	1.18E-02	3.73E-03	PAAD
cg04317854	6.29E-02	3.31E-02	8.46E-02	7.69E-01	1.03E-01	7.56E-03	7.06E-01	8.95E-02	2.83E-02	PAAD
cg12922093	1.23E-02	1.91E-02	5.39E-01	8.02E-01	1.13E-01	8.30E-03	8.27E-01	6.29E-02	1.99E-02	PAAD
cg17569154	-9.33E-02	2.89E-02	8.15E-03*	7.67E-01	1.30E-01	9.62E-03	8.80E-01	4.91E-02	1.55E-02	PAAD

cg19260663	6.54E-03	8.05E-03	4.38E-01	8.44E-01	1.10E-01	8.08E-03	9.00E-01	2.76E-02	8.73E-03	PAAD
cg09333471	-3.88E-02	3.09E-02	2.49E-01	3.53E-01	1.28E-01	9.41E-03	3.78E-01	7.50E-02	2.37E-02	PAAD
cg00473134	5.66E-02	2.95E-02	8.61E-02	1.54E-01	1.33E-01	9.84E-03	8.73E-02	7.56E-02	2.39E-02	PAAD
cg03995857	7.30E-02	3.42E-02	6.00E-02	1.85E-01	1.60E-01	1.18E-02	1.10E-01	1.14E-01	3.60E-02	PAAD
cg07320646	3.57E-05	7.24E-04	9.62E-01	4.93E-02	1.05E-01	7.77E-03	1.73E-02	3.78E-03	1.20E-03	PAAD
cg07293520	1.18E-02	1.04E-02	2.89E-01	4.46E-02	7.08E-02	5.22E-03	2.14E-02	5.73E-03	1.81E-03	PAAD
cg04770504	3.86E-02	2.46E-02	1.54E-01	7.53E-02	1.15E-01	8.47E-03	2.83E-02	3.39E-02	1.07E-02	PAAD
cg24805239	3.78E-02	2.72E-02	2.02E-01	1.25E-01	1.21E-01	8.94E-03	6.61E-02	4.58E-02	1.45E-02	PAAD
cg01733570	-2.13E-01	3.84E-02	1.17E-04*	5.18E-01	1.69E-01	1.24E-02	6.97E-01	7.59E-02	2.40E-02	PAAD
cg25723149	-1.30E-01	3.07E-02	1.55E-03*	4.87E-01	1.65E-01	1.21E-02	5.66E-01	4.96E-02	1.57E-02	PAAD
cg22804000	-1.25E-01	3.36E-02	3.40E-03*	4.67E-01	1.59E-01	1.17E-02	5.63E-01	7.97E-02	2.52E-02	PAAD
cg07504598	1.93E-02	2.96E-02	5.40E-01	6.05E-01	1.30E-01	9.58E-03	5.79E-01	6.95E-02	2.20E-02	PAAD
cg15037663	-3.38E-02	2.53E-02	2.19E-01	6.70E-01	1.16E-01	8.52E-03	7.01E-01	4.35E-02	1.37E-02	PAAD
cg19706795	-4.78E-02	1.84E-02	2.65E-02*	7.71E-01	8.91E-02	6.57E-03	8.15E-01	5.85E-02	1.85E-02	PAAD
cg20764575	-4.35E-02	2.88E-02	1.71E-01	7.52E-01	9.15E-02	6.74E-03	8.00E-01	7.10E-02	2.25E-02	PAAD
cg06301139	3.96E-03	5.34E-03	4.81E-01	9.29E-01	3.82E-02	2.82E-03	9.43E-01	1.64E-02	5.19E-03	PAAD
cg26712096	-4.40E-03	9.24E-03	6.48E-01	8.94E-01	6.34E-02	4.67E-03	9.30E-01	1.34E-02	4.22E-03	PAAD

Probe	Mean Diff	Se Diff	KR_p-value	Mean TP	SD mean TP	SEM TP	Mean NT	SD mean NT	SEM NT	Tumour Type
cg17790129	-3.15E-03	3.81E-03	4.16E-01	9.34E-01	2.60E-02	1.16E-03	9.38E-01	2.21E-02	3.12E-03	PRAD
cg14205998	-2.84E-03	2.59E-03	2.78E-01	9.26E-01	2.62E-02	1.17E-03	9.41E-01	1.18E-02	1.68E-03	PRAD
cg04317854	3.95E-02	1.50E-02	9.88E-03*	7.07E-01	1.07E-01	4.76E-03	6.68E-01	8.95E-02	1.27E-02	PRAD
cg12922093	-7.26E-02	1.43E-02	1.20E-06*	8.33E-01	1.05E-01	4.71E-03	9.06E-01	2.70E-02	3.82E-03	PRAD
cg17569154	1.17E-02	1.03E-02	2.67E-01	8.54E-01	8.10E-02	3.62E-03	8.41E-01	7.32E-02	1.04E-02	PRAD
cg19260663	-9.24E-02	1.82E-02	1.04E-06*	8.25E-01	1.31E-01	5.86E-03	9.19E-01	3.87E-02	5.48E-03	PRAD

cg09333471	2.46E-01	1.98E-02	3.11E-30*	4.97E-01	1.37E-01	6.11E-03	2.51E-01	8.65E-02	1.22E-02	PRAD
cg00473134	1.50E-01	1.66E-02	4.32E-14*	2.45E-01	1.48E-01	6.59E-03	8.30E-02	4.73E-02	6.68E-03	PRAD
cg03995857	1.06E-01	1.44E-02	3.04E-10*	2.21E-01	1.54E-01	6.89E-03	8.87E-02	4.92E-02	6.96E-03	PRAD
cg07320646	-2.53E-04	1.40E-03	8.57E-01	2.68E-02	4.47E-02	2.00E-03	2.01E-02	3.32E-03	4.69E-04	PRAD
cg07293520	5.93E-04	9.60E-04	5.39E-01	3.33E-02	4.63E-02	2.07E-03	2.64E-02	5.64E-03	7.97E-04	PRAD
cg04770504	7.17E-02	1.51E-02	8.94E-06*	1.05E-01	1.32E-01	5.90E-03	1.97E-02	6.60E-03	9.33E-04	PRAD
cg24805239	1.51E-01	1.77E-02	2.81E-13*	2.60E-01	1.52E-01	6.78E-03	1.00E-01	4.45E-02	6.29E-03	PRAD
cg01733570	1.18E-01	1.09E-02	7.86E-20*	7.93E-01	8.24E-02	3.68E-03	6.74E-01	8.17E-02	1.16E-02	PRAD
cg25723149	1.54E-01	1.32E-02	9.38E-21*	7.58E-01	1.07E-01	4.76E-03	6.00E-01	8.93E-02	1.26E-02	PRAD
cg22804000	1.55E-01	1.39E-02	5.61E-20*	7.42E-01	1.10E-01	4.90E-03	5.89E-01	8.33E-02	1.18E-02	PRAD
cg07504598	1.21E-01	1.39E-02	2.16E-15*	7.24E-01	1.01E-01	4.51E-03	6.03E-01	7.84E-02	1.11E-02	PRAD
cg15037663	7.42E-02	1.11E-02	2.00E-10*	7.92E-01	7.71E-02	3.44E-03	7.18E-01	7.19E-02	1.02E-02	PRAD
cg19706795	4.06E-02	7.75E-03	5.78E-07*	8.37E-01	5.50E-02	2.46E-03	7.97E-01	5.69E-02	8.04E-03	PRAD
cg20764575	2.98E-02	8.51E-03	6.22E-04*	8.26E-01	5.75E-02	2.57E-03	7.97E-01	5.66E-02	8.00E-03	PRAD
cg06301139	-9.23E-03	2.36E-03	1.30E-04*	9.37E-01	1.62E-02	7.21E-04	9.46E-01	1.26E-02	1.79E-03	PRAD
cg26712096	-7.43E-02	1.42E-02	8.08E-07*	8.29E-01	1.12E-01	4.98E-03	9.08E-01	4.26E-02	6.02E-03	PRAD
Probe	**Mean Diff**	**Se Diff**	**KR_p-value**	**Mean TP**	**SD mean TP**	**SEM TP**	**Mean NT**	**SD mean NT**	**SEM NT**	**Tumour Type**
cg17790129	6.87E-03	3.82E-03	7.71E-02	9.32E-01	4.57E-02	2.03E-03	9.23E-01	5.62E-02	7.51E-03	THCA
cg14205998	3.58E-04	2.82E-03	9.00E-01	9.33E-01	2.09E-02	9.29E-04	9.33E-01	1.55E-02	2.07E-03	THCA
cg04317854	7.74E-02	1.58E-02	3.47E-06*	8.10E-01	1.32E-01	5.88E-03	7.33E-01	8.96E-02	1.20E-02	THCA
cg12922093	7.66E-03	4.19E-03	7.28E-02	9.14E-01	4.43E-02	1.97E-03	9.08E-01	3.38E-02	4.51E-03	THCA
cg17569154	-1.17E-03	1.94E-03	5.50E-01	9.45E-01	1.63E-02	7.24E-04	9.46E-01	1.27E-02	1.70E-03	THCA
cg19260663	4.37E-03	4.88E-03	3.77E-01	9.22E-01	3.57E-02	1.59E-03	9.17E-01	2.25E-02	3.01E-03	THCA
cg09333471	3.06E-03	1.19E-02	7.99E-01	1.90E-01	9.60E-02	4.27E-03	1.89E-01	4.02E-02	5.38E-03	THCA

cg00473134	-2.36E-04	2.17E-03	9.14E-01	5.97E-02	2.57E-02	1.14E-03	6.11E-02	1.70E-02	2.27E-03	THCA
cg03995857	-2.68E-03	2.07E-03	2.01E-01	7.56E-02	2.15E-02	9.57E-04	8.03E-02	1.72E-02	2.29E-03	THCA
cg07320646	6.10E-04	8.68E-04	4.88E-01	2.20E-02	7.09E-03	3.15E-04	2.28E-02	7.02E-03	9.38E-04	THCA
cg07293520	-7.57E-04	7.49E-04	3.19E-01	2.52E-02	6.33E-03	2.81E-04	2.70E-02	1.04E-02	1.39E-03	THCA
cg04770504	-8.18E-04	4.94E-04	1.04E-01	2.01E-02	1.21E-02	5.38E-04	2.06E-02	4.42E-03	5.90E-04	THCA
cg24805239	2.82E-03	6.64E-03	6.75E-01	8.67E-02	5.68E-02	2.52E-03	8.33E-02	1.74E-02	2.32E-03	THCA
cg01733570	-2.16E-01	2.19E-02	1.86E-17*	3.47E-01	1.81E-01	8.06E-03	5.63E-01	6.50E-02	8.69E-03	THCA
cg25723149	-5.97E-02	2.12E-02	6.06E-03*	3.97E-01	1.75E-01	7.80E-03	4.56E-01	6.75E-02	9.02E-03	THCA
cg22804000	-8.32E-02	2.32E-02	4.77E-04*	4.01E-01	1.80E-01	7.98E-03	4.88E-01	4.87E-02	6.50E-03	THCA
cg07504598	6.78E-02	2.48E-02	7.45E-03*	5.65E-01	1.88E-01	8.36E-03	5.03E-01	9.60E-02	1.28E-02	THCA
cg15037663	3.09E-02	2.49E-02	2.22E-01	6.82E-01	1.85E-01	8.21E-03	6.51E-01	7.46E-02	9.96E-03	THCA
cg19706795	2.59E-02	1.30E-02	5.14E-02	8.35E-01	9.95E-02	4.43E-03	8.12E-01	4.31E-02	5.76E-03	THCA
cg20764575	4.70E-02	1.35E-02	6.29E-04*	8.48E-01	1.00E-01	4.44E-03	8.01E-01	4.77E-02	6.37E-03	THCA
cg06301139	2.24E-03	1.56E-03	1.59E-01	9.48E-01	1.13E-02	5.02E-04	9.46E-01	9.10E-03	1.22E-03	THCA
cg26712096	-2.22E-04	4.01E-03	9.57E-01	9.39E-01	2.96E-02	1.32E-03	9.39E-01	1.65E-02	2.21E-03	THCA

Probe	Mean Diff	Se Diff	KR_p-value	Mean TP	SD mean TP	SEM TP	Mean NT	SD mean NT	SEM NT	Tumour Type
cg17790129	-4.11E-02	1.72E-02	2.04E-02*	8.49E-01	1.41E-01	6.76E-03	8.96E-01	7.41E-02	1.09E-02	UCEC
cg14205998	-1.41E-02	6.63E-03	3.71E-02*	9.17E-01	4.63E-02	2.21E-03	9.33E-01	3.10E-02	4.57E-03	UCEC
cg04317854	2.79E-02	2.44E-02	2.61E-01	7.63E-01	1.75E-01	8.37E-03	7.45E-01	7.15E-02	1.05E-02	UCEC
cg12922093	-3.80E-02	1.46E-02	1.13E-02*	8.53E-01	1.02E-01	4.87E-03	8.92E-01	4.08E-02	6.01E-03	UCEC
cg17569154	1.43E-01	1.52E-02	8.46E-19*	8.94E-01	8.92E-02	4.26E-03	7.51E-01	1.60E-01	2.36E-02	UCEC
cg19260663	-6.34E-02	1.76E-02	4.21E-04*	8.42E-01	1.18E-01	5.65E-03	9.06E-01	4.34E-02	6.40E-03	UCEC
cg09333471	9.62E-02	2.39E-02	1.07E-04*	3.32E-01	1.72E-01	8.23E-03	2.37E-01	7.82E-02	1.15E-02	UCEC
cg00473134	3.23E-02	1.41E-02	2.70E-02*	1.27E-01	1.42E-01	6.77E-03	8.19E-02	2.47E-02	3.64E-03	UCEC

cg03995857	1.82E-02	1.01E-02	7.78E-02	1.44E-01	1.71E-01	8.15E-03	9.17E-02	2.23E-02	3.29E-03	UCEC
cg07320646	-6.43E-05	2.71E-03	9.81E-01	6.51E-02	1.55E-01	7.41E-03	2.84E-02	1.04E-02	1.54E-03	UCEC
cg07293520	-7.86E-04	3.46E-03	8.22E-01	6.05E-02	1.34E-01	6.40E-03	2.81E-02	6.46E-03	9.52E-04	UCEC
cg04770504	1.99E-02	8.87E-03	3.04E-02*	7.00E-02	1.41E-01	6.73E-03	2.01E-02	3.06E-03	4.51E-04	UCEC
cg24805239	2.91E-02	1.59E-02	7.40E-02	1.18E-01	1.55E-01	7.42E-03	7.00E-02	2.61E-02	3.86E-03	UCEC
cg01733570	-7.69E-02	3.23E-02	1.98E-02*	4.95E-01	2.25E-01	1.08E-02	5.69E-01	1.06E-01	1.56E-02	UCEC
cg25723149	-6.37E-02	3.15E-02	4.80E-02*	4.01E-01	2.26E-01	1.08E-02	4.61E-01	8.97E-02	1.32E-02	UCEC
cg22804000	-8.24E-02	2.94E-02	6.50E-03*	3.95E-01	2.15E-01	1.03E-02	4.73E-01	8.66E-02	1.28E-02	UCEC
cg07504598	-8.50E-02	2.88E-02	4.16E-03*	3.94E-01	2.05E-01	9.82E-03	4.76E-01	9.38E-02	1.38E-02	UCEC
cg15037663	-1.23E-01	2.84E-02	3.42E-05*	4.45E-01	2.06E-01	9.83E-03	5.61E-01	9.34E-02	1.38E-02	UCEC
cg19706795	-8.73E-02	2.75E-02	2.13E-03*	5.65E-01	2.02E-01	9.65E-03	6.55E-01	8.46E-02	1.25E-02	UCEC
cg20764575	-1.42E-01	3.01E-02	8.79E-06*	5.47E-01	2.31E-01	1.10E-02	6.95E-01	8.30E-02	1.22E-02	UCEC
cg06301139	-5.89E-02	1.39E-02	5.83E-05*	8.80E-01	1.07E-01	5.13E-03	9.45E-01	9.68E-03	1.43E-03	UCEC
cg26712096	-9.27E-02	2.27E-02	6.61E-05*	8.41E-01	1.54E-01	7.34E-03	9.34E-01	1.86E-02	2.74E-03	UCEC

TP = primary tumour, NT = normal tissue, Mean diff = difference in means (mean NT − mean TP), SE = standard error of difference of means, SD = standard deviation, SEM = standard error of the mean. * represents significant results for which p-value < 0.05. Light shaded rows represent intragenic CpGs while dark shaded rows represent putative promoter CpGs.

Table S2. Table of the individual dataset analysis AUC values that satisfy the specified thresholds (minimum average AUC = 0.84 and minimum AUC threshold = 0.80). NA values are tumour types for which the probe combination did not meet the AUC thresholds.

Probe Combination	**BLCA**	**BRCA**	**CRC**	**ESCA**	**HNSC**	**KIRC**	**KIRP**	**LIHC**	**LUAD**	**LUSC**	**PAAD**	**PRAD**	**THCA**	**UCEC**
cg00473134+cg04317854+cg17569154	NA	0.86	0.86	NA	0.96	0.80	0.94	0.89	0.89	0.90	NA	0.90	NA	NA
cg00473134+cg04317854+cg19260663	0.90	0.91	0.91	0.83	0.82	NA	0.91	0.89	0.92	0.92	NA	0.93	NA	NA
cg00473134+cg04317854+cg26712096	0.84	0.91	0.88	NA	0.89	NA	0.93	0.83	0.92	0.92	0.81	0.93	NA	0.81
cg01733570+cg04317854+cg06301139	NA	0.83	0.85	NA	0.85	NA	0.91	NA	0.89	0.87	0.84	0.89	0.88	0.84
cg01733570+cg04317854+cg12922093	NA	0.88	0.86	0.82	0.87	0.81	0.92	NA	0.92	0.86	0.82	0.90	0.88	NA

cg01733570+cg04317854+cg14205998	0.86	0.85	0.88	0.81	0.84	NA	0.92	NA	0.88	0.93	0.89	0.86	0.87	NA
cg01733570+cg04317854+cg17569154	NA	0.86	NA	0.81	0.96	0.87	0.93	0.86	0.89	0.90	0.83	0.84	0.88	0.81
cg01733570+cg04317854+cg19260663	0.90	0.91	0.84	0.89	NA	0.81	0.91	0.86	0.92	0.92	0.90	0.89	0.87	NA
cg01733570+cg04317854+cg26712096	0.85	0.90	NA	NA	0.89	NA	0.93	NA	0.92	0.92	0.87	0.88	0.88	0.82
cg01733570+cg04770504+cg17569154	NA	0.87	0.96	NA	0.92	0.86	0.81	0.86	0.81	NA	0.88	0.89	0.86	0.88
cg01733570+cg17569154+cg19260663	0.89	0.91	0.83	NA	0.92	0.89	0.86	0.91	NA	0.84	0.93	0.88	0.86	0.93
cg03995857+cg04317854+cg17569154	NA	0.85	0.90	0.82	0.96	NA	0.93	0.88	0.90	0.90	NA	0.85	NA	NA
cg03995857+cg04317854+cg19260663	0.89	0.90	0.92	0.86	NA	NA	0.91	0.88	0.93	0.92	NA	0.90	NA	NA
cg04317854+cg04770504+cg17569154	NA	0.84	0.92	0.84	0.96	0.80	0.94	0.85	0.93	0.89	NA	0.84	NA	0.81
cg04317854+cg04770504+cg19260663	0.91	0.90	0.94	NA	0.81	NA	0.91	0.87	0.92	0.92	NA	0.87	NA	NA
cg04317854+cg04770504+cg26712096	0.86	0.89	0.92	0.84	0.91	NA	0.93	0.80	0.92	0.92	NA	0.90	NA	0.83
cg04317854+cg07293520+cg19260663	0.89	0.88	0.92	0.85	NA	NA	0.92	0.87	0.92	0.92	0.83	0.80	NA	NA
cg04317854+cg07320646+cg19260663	0.90	0.88	0.92	0.86	NA	NA	0.92	0.87	0.91	0.93	0.86	0.82	NA	NA
cg04317854+cg07320646+cg26712096	0.86	0.86	0.90	0.81	0.89	NA	0.93	NA	0.92	0.93	0.84	0.82	NA	0.82
cg04317854+cg07504598+cg19260663	0.92	0.93	0.88	0.83	0.84	NA	0.92	0.87	0.93	0.93	NA	0.87	NA	NA
cg04317854+cg07504598+cg26712096	0.91	0.94	0.83	NA	0.92	NA	0.94	0.82	0.94	0.91	0.82	0.87	NA	0.80
cg04317854+cg09333471+cg17569154	NA	0.91	0.84	NA	0.96	0.80	0.94	0.85	0.91	0.90	0.81	0.93	NA	NA
cg04317854+cg09333471+cg19260663	0.91	0.93	0.89	0.88	NA	NA	0.93	0.86	0.92	0.93	NA	0.93	NA	NA
cg04317854+cg09333471+cg26712096	0.83	0.94	0.84	NA	0.90	NA	0.93	NA	0.92	0.91	0.80	0.93	NA	0.84
cg04317854+cg12922093+cg17569154	0.83	0.83	NA	0.81	0.96	0.80	0.95	0.85	0.93	0.91	NA	0.81	NA	0.83
cg04317854+cg12922093+cg19260663	0.90	0.87	0.83	0.86	0.88	NA	0.90	0.85	0.92	0.93	NA	0.85	NA	NA
cg04317854+cg14205998+cg17569154	0.89	NA	0.80	NA	0.96	NA	0.95	0.88	0.90	0.94	0.87	NA	NA	0.82
cg04317854+cg14205998+cg19260663	0.90	0.86	0.84	0.84	0.85	NA	0.92	0.86	0.92	0.95	0.82	0.84	NA	NA
cg04317854+cg15037663+cg19260663	0.91	0.92	0.83	0.86	0.84	NA	0.92	0.88	0.94	0.92	NA	0.85	NA	NA
cg04317854+cg17569154+cg19260663	0.90	0.86	NA	0.85	0.96	0.86	0.95	0.89	0.91	0.94	0.84	0.82	NA	0.90

cg04317854+cg17569154+cg24805239	NA	0.87	0.90	NA	0.96	0.83	0.94	0.85	0.91	0.90	0.82	0.87	NA	NA
cg04317854+cg17569154+cg26712096	0.86	0.86	NA	NA	0.96	0.82	0.95	0.87	0.92	0.92	0.84	0.83	NA	0.92
cg04317854+cg19260663+cg19706795	0.90	0.93	0.86	0.82	0.86	NA	0.91	0.88	0.92	0.93	0.82	0.84	NA	NA
cg04317854+cg19260663+cg20764575	0.92	0.93	NA	0.86	0.86	NA	0.92	0.90	0.94	0.92	NA	0.82	NA	NA
cg04317854+cg19260663+cg24805239	0.91	0.91	0.93	0.82	0.81	NA	0.91	0.87	0.91	0.92	NA	0.91	NA	NA
cg04317854+cg19260663+cg25723149	0.90	0.92	0.84	0.84	NA	NA	0.92	0.87	0.90	0.93	0.83	0.89	NA	NA
cg04317854+cg19260663+cg26712096	0.92	0.89	NA	NA	0.90	NA	0.93	0.86	0.92	0.94	0.83	0.85	NA	NA
cg04317854+cg24805239+cg26712096	0.88	0.91	0.89	NA	0.89	NA	0.93	0.81	0.92	0.91	0.81	0.92	NA	0.81
cg17569154+cg19260663+cg20764575	0.90	0.93	NA	NA	0.94	0.87	0.89	0.92	0.88	0.85	0.80	0.81	NA	0.92

Table S3. Summary of the RNA-seq expression levels in the different sample types and across the different tumour types.

Sample Type	Tumour Type	N	Mean	SD
NT	BLCA	19	8.506	0.982
NT	BRCA	113	8.206	0.448
NT	CRC	51	5.885	1.213
NT	ESCA	11	7.226	1.220
NT	HNSC	44	7.516	0.830
NT	KIRC	72	8.914	0.405
NT	KIRP	32	8.781	0.510
NT	LIHC	50	7.122	0.558
NT	LUAD	59	7.507	0.731
NT	LUSC	51	7.623	0.544
NT	PAAD	4	8.740	1.095
NT	PRAD	52	7.636	0.715
NT	THCA	59	9.004	0.379
NT	UCEC	24	9.132	0.766
TP	BLCA	408	7.709	1.854
TP	BRCA	1095	7.156	0.852
TP	CRC	379	5.515	1.494
TP	ESCA	184	7.419	2.023
TP	HNSC	520	9.422	1.275
TP	KIRC	533	8.753	0.945
TP	KIRP	290	9.376	1.169
TP	LIHC	371	7.121	1.799
TP	LUAD	515	7.676	1.315
TP	LUSC	502	8.536	1.302
TP	PAAD	178	7.963	1.037
TP	PRAD	497	6.718	0.868
TP	THCA	505	8.873	0.674
TP	UCEC	176	7.021	1.211

TP = primary tumour, NT = normal tissue, N = sample size, SD= standard deviation.

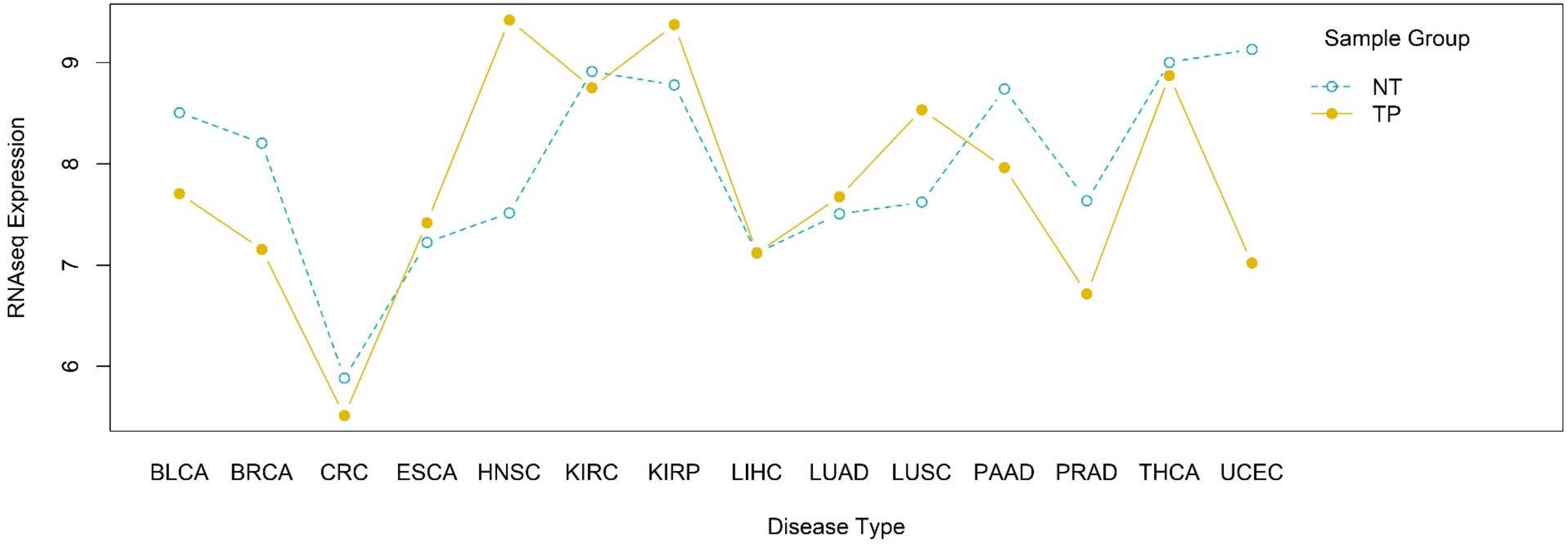

Figure S1. Interaction plot for the RNA-seq expression data showing the differences in expression levels between tumour and normal samples across the different tumour types.

Table S4. Table of the linear regression results for the analysis of RNA-seq expression and methylation.

probes	BLCA_slope	BLCA_*p*-value	BRCA_slope	BRCA_*p*-value	CRC_slope	CRC_*p*-value	ESCA_slope	ESCA_*p*-value	HNSC_slope	HNSC_*p*-value	KIRC_slope	KIRC_*p*-value	KIRP_slope	KIRP_*p*-value
cg00473134	0.087	0.848	0.005	0.986	0.044	0.929	-0.182	0.813	-1.527	0.038	0.146	0.783	-0.205	0.769
cg01733570	1.498	0.021	-0.063	0.850	0.304	0.523	2.181	0.101	3.180	0.037	0.945	0.583	6.252	0.033
cg03995857	2.121	0.000	0.373	0.182	-1.684	0.011	0.548	0.558	0.643	0.367	0.738	0.003	1.538	0.000
cg04317854	1.027	0.131	-0.133	0.650	-0.366	0.422	1.493	0.175	2.541	0.001	-0.356	0.620	-3.556	0.010
cg04770504	-0.533	0.155	0.048	0.828	0.385	0.358	-0.492	0.388	-1.578	0.000	-1.823	0.000	-0.802	0.003

cg06301139	0.932	0.106	0.794	0.009	0.646	0.220	0.046	0.970	1.274	0.262	0.163	0.877	-0.445	0.630
cg07293520	-1.864	0.030	-0.365	0.145	-0.703	0.269	-3.696	0.021	0.048	0.960	0.293	0.699	-3.137	0.002
cg07320646	-2.580	0.020	0.183	0.519	-0.679	0.238	1.695	0.313	-6.696	0.004	-1.751	0.406	5.594	0.019
cg07504598	-0.206	0.846	-0.108	0.679	-0.385	0.449	-1.136	0.674	6.051	0.013	-4.141	0.065	-6.629	0.012
cg09333471	0.995	0.287	0.245	0.377	-0.569	0.285	-2.871	0.331	-4.243	0.048	7.867	0.292	1.514	0.396
cg12922093	0.075	0.949	-0.113	0.753	0.781	0.184	0.986	0.631	1.286	0.413	-9.407	0.114	-4.466	0.468
cg14205998	-0.067	0.951	0.563	0.114	1.424	0.076	5.632	0.132	-0.150	0.955	-3.402	0.370	9.273	0.250
cg15037663	0.954	0.395	-0.353	0.307	-0.350	0.667	-1.620	0.511	-0.221	0.914	2.028	0.208	-6.609	0.022
cg17569154	-1.132	0.088	0.371	0.162	0.485	0.468	2.400	0.057	0.312	0.753	-0.273	0.538	0.664	0.276
cg17790129	-1.823	0.095	-0.951	0.025	-0.962	0.287	-0.902	0.673	-1.314	0.366	-2.581	0.000	1.891	0.049
cg19260663	1.146	0.316	0.130	0.736	-0.397	0.616	-6.030	0.005	-2.180	0.161	2.176	0.003	-1.942	0.063
cg19706795	-1.087	0.072	-0.254	0.399	0.633	0.202	-0.113	0.914	0.338	0.544	0.511	0.259	0.245	0.601
cg20764575	0.436	0.596	0.489	0.112	-0.354	0.568	2.244	0.133	0.492	0.528	0.633	0.360	0.855	0.219
cg22804000	-0.205	0.870	-0.093	0.830	0.334	0.684	-0.316	0.870	0.600	0.535	-0.152	0.830	-1.327	0.139
cg24805239	0.403	0.637	-0.362	0.258	-2.086	0.021	0.937	0.523	0.124	0.875	-0.313	0.337	-0.459	0.404
cg25723149	1.277	0.146	-0.085	0.792	0.746	0.180	-2.661	0.027	-2.412	0.000	-2.560	0.012	-4.202	0.076
cg26712096	1.136	0.034	0.667	0.019	2.781	0.000	1.357	0.120	3.547	0.000	3.766	0.007	1.169	0.454

probes	LIHC_slope	LIHC_*p*-value	LUAD_slope	LUAD_*p*-value	LUSC_slope	LUSC_*p*-value	PAAD_slope	PAAD_*p*-value	PRAD_slope	PRAD_*p*-value	THCA_slope	THCA_*p*-value	UCEC_slope	UCEC_*p*-value
cg00473134	-2.917	0.000	0.459	0.512	-1.923	0.024	0.005	0.992	-0.170	0.896	-0.017	0.972	1.299	0.054
cg01733570	0.782	0.468	-0.590	0.528	0.322	0.754	4.814	0.016	-0.083	0.952	-1.810	0.149	-2.340	0.367
cg03995857	1.453	0.005	1.462	0.006	2.465	0.000	0.679	0.280	0.601	0.090	0.408	0.030	-0.005	0.994
cg04317854	0.740	0.204	0.063	0.920	1.727	0.035	0.791	0.174	-0.818	0.081	-0.645	0.283	0.663	0.618
cg04770504	-0.514	0.461	-0.639	0.298	-1.173	0.039	1.048	0.064	-0.329	0.495	-3.435	0.053	-2.043	0.021
cg06301139	-0.699	0.214	2.124	0.004	1.610	0.075	1.603	0.013	0.652	0.091	1.764	0.059	2.265	0.017
cg07293520	-1.598	0.000	-1.525	0.068	-2.353	0.016	-1.803	0.017	-0.293	0.441	0.117	0.697	-2.561	0.002
cg07320646	0.024	0.969	-0.002	0.999	0.988	0.702	-0.184	0.830	-0.020	0.954	-2.153	0.137	0.714	0.691
cg07504598	-0.826	0.130	-0.944	0.286	-2.938	0.206	1.149	0.126	-0.112	0.726	1.390	0.367	-2.677	0.102
cg09333471	0.148	0.904	0.759	0.366	-9.670	0.173	4.161	0.001	-1.840	0.212	0.251	0.952	1.412	0.599
cg12922093	4.882	0.022	0.220	0.845	9.063	0.279	-6.404	0.001	-0.154	0.918	-1.629	0.669	0.280	0.926
cg14205998	-1.054	0.522	-1.217	0.140	2.376	0.539	1.186	0.265	0.462	0.305	-3.949	0.185	-4.399	0.035
cg15037663	0.317	0.792	0.512	0.617	1.523	0.545	-2.541	0.020	0.531	0.239	-1.191	0.025	4.664	0.030
cg17569154	-0.532	0.437	0.971	0.244	-2.088	0.052	-0.316	0.627	0.083	0.930	0.396	0.024	-1.683	0.200
cg17790129	-1.223	0.308	0.836	0.549	-0.585	0.710	-0.227	0.861	-0.516	0.583	-0.903	0.012	-1.016	0.614
cg19260663	-1.284	0.277	-2.277	0.138	0.862	0.629	-0.822	0.508	-1.116	0.241	-0.288	0.382	2.222	0.350

cg19706795	1.037	0.137	-0.392	0.575	0.300	0.741	0.897	0.210	-0.012	0.984	-0.026	0.850	-1.074	0.299
cg20764575	0.456	0.580	2.810	0.001	-1.000	0.438	-1.236	0.145	-0.812	0.368	0.105	0.508	-0.648	0.714
cg22804000	0.329	0.718	-2.476	0.062	0.568	0.689	0.853	0.480	-3.490	0.001	-0.582	0.049	-1.430	0.483
cg24805239	0.583	0.315	-2.617	0.003	1.681	0.100	-3.444	0.001	-0.769	0.429	0.036	0.891	2.851	0.023
cg25723149	-1.824	0.002	0.977	0.366	-0.993	0.216	-2.305	0.175	1.593	0.484	-4.789	0.040	1.485	0.292
cg26712096	4.227	0.000	1.572	0.029	1.810	0.019	3.199	0.002	0.930	0.012	0.987	0.289	1.683	0.125

Highlighted cells represent significant *p*-values.

Table S5 Table of the linear regression results for the analysis of age and methylation.

Probe	**BLCA_slope**	**BLCA_lm_*p*_value**	**BRCA_slope**	**BRCA_lm_*p*_value**	**CRC_slope**	**CRC_lm_*p*_value**	**ESCA_slope**	**ESCA_lm_*p*_value**	**HNSC_slope**	**HNSC_lm_*p*_value**	**KIRC_slope**	**KIRC_lm_*p*_value**	**KIRP_slope**	**KIRP_lm_*p*_value**
cg00473134	3.88E-04	4.49E-01	1.05E-03	5.69E-03	3.79E-03	5.51E-08	3.88E-03	2.75E-03	1.84E-04	1.07E-01	-3.74E-05	5.64E-01	-1.89E-03	2.49E-05
cg01733570	1.20E-03	1.31E-01	7.59E-04	1.33E-01	2.91E-03	5.03E-05	2.96E-03	3.02E-02	1.64E-03	1.32E-03	4.38E-05	9.27E-01	-9.22E-04	2.89E-01
cg03995857	6.49E-04	3.30E-01	1.62E-03	2.41E-03	3.54E-03	9.25E-05	5.40E-03	1.66E-03	2.23E-04	6.48E-02	2.17E-05	7.45E-01	-1.96E-03	3.18E-05
cg04317854	-1.73E-03	4.54E-02	-2.75E-04	5.58E-01	7.09E-04	8.58E-02	-3.01E-04	6.82E-01	-7.67E-05	8.07E-01	1.55E-03	5.72E-03	1.56E-03	3.69E-02
cg04770504	7.40E-04	2.79E-01	1.76E-03	1.26E-04	2.12E-03	3.92E-03	3.54E-03	6.70E-03	-8.93E-05	4.64E-01	5.69E-05	1.62E-01	-1.31E-03	1.16E-04
cg06301139	-9.05E-04	7.06E-02	-1.18E-04	7.49E-01	3.14E-04	5.38E-01	-1.04E-03	8.63E-02	1.24E-03	2.22E-02	-1.09E-04	4.42E-01	7.91E-05	4.29E-01
cg07293520	2.48E-04	6.81E-01	1.31E-03	1.74E-03	4.52E-03	2.27E-07	4.72E-03	3.63E-03	-1.51E-05	9.09E-01	1.02E-05	6.44E-01	-1.80E-03	4.56E-05
cg07320646	1.00E-04	9.03E-01	2.23E-03	1.88E-04	5.14E-03	1.24E-06	5.12E-03	6.90E-03	-3.57E-05	7.95E-01	-1.62E-05	4.08E-01	-1.93E-03	2.35E-04
cg07504598	-1.08E-03	1.33E-01	8.08E-04	9.32E-02	1.87E-03	1.96E-03	2.53E-03	2.55E-02	1.95E-03	1.74E-03	1.28E-04	7.76E-01	-1.80E-03	4.73E-02

cg09333471	6.84E-04	2.51E-01	8.97E-04	2.73E-02	3.10E-03	3.80E-06	3.71E-03	4.54E-03	2.18E-04	4.32E-01	-8.88E-05	6.91E-01	-9.87E-04	4.85E-02
cg12922093	-1.54E-03	8.15E-02	-8.07E-04	1.30E-01	1.17E-04	8.57E-01	-1.93E-03	1.25E-02	-4.62E-04	1.15E-01	-1.58E-04	4.05E-01	5.70E-05	7.56E-01
cg14205998	-5.72E-04	5.04E-01	-6.37E-04	2.15E-01	4.23E-05	9.45E-01	-7.10E-04	3.43E-01	-7.73E-05	6.20E-01	-1.22E-04	1.61E-01	9.17E-06	9.12E-01
cg15037663	-1.81E-03	1.01E-02	-3.06E-04	5.31E-01	1.66E-03	5.11E-03	1.25E-03	2.20E-01	2.22E-03	5.62E-04	-9.67E-05	8.18E-01	-1.54E-03	6.27E-02
cg17569154	2.18E-03	3.02E-02	-8.48E-04	1.05E-01	1.34E-04	8.40E-01	-4.15E-03	2.10E-03	6.43E-04	3.20E-01	3.72E-04	3.58E-01	-7.03E-04	4.45E-01
cg17790129	-4.73E-04	6.15E-01	-1.18E-03	3.88E-02	1.16E-04	8.32E-01	-2.14E-03	1.65E-02	3.88E-04	1.54E-01	1.35E-04	5.45E-01	-2.07E-04	5.43E-01
cg19260663	-4.88E-04	5.92E-01	-9.77E-04	4.84E-02	7.03E-04	1.80E-01	-6.48E-04	3.89E-01	-4.15E-05	8.29E-01	3.18E-04	1.33E-02	1.14E-04	6.24E-01
cg19706795	-1.51E-03	1.06E-02	3.24E-05	9.42E-01	7.27E-04	1.22E-01	4.69E-04	5.92E-01	1.78E-03	4.63E-03	-3.06E-04	4.98E-01	-2.12E-03	1.61E-02
cg20764575	-1.09E-03	5.13E-02	5.78E-04	1.99E-01	8.77E-04	6.30E-03	6.99E-04	4.66E-01	2.37E-03	4.61E-04	1.88E-04	7.45E-01	-2.18E-03	1.58E-02
cg22804000	1.72E-04	8.24E-01	1.27E-03	9.07E-03	2.40E-03	3.83E-04	4.27E-03	1.43E-03	1.43E-03	1.31E-03	6.24E-04	1.58E-01	-1.33E-03	1.10E-01
cg24805239	6.54E-04	3.14E-01	1.86E-03	2.81E-05	3.59E-03	1.31E-05	4.10E-03	5.38E-03	2.34E-04	1.02E-01	1.58E-04	1.34E-01	-1.43E-03	6.31E-04
cg25723149	6.83E-04	4.19E-01	1.88E-03	3.85E-04	3.13E-03	4.49E-06	4.54E-03	2.37E-03	1.55E-03	7.48E-04	8.26E-04	8.71E-02	-1.39E-03	9.97E-02
cg26712096	5.25E-04	5.61E-01	-1.53E-03	5.00E-03	-1.28E-03	7.17E-02	-2.33E-03	3.75E-02	8.06E-04	6.54E-02	-1.56E-05	8.86E-01	1.45E-04	4.10E-01
Probe	**LIHC_slope**	**LIHC_lm_*p*_value**	**LUAD_slope**	**LUAD_lm_*p*_value**	**LUSC_slope**	**LUSC_lm_*p*_value**	**PAAD_slope**	**PAAD_lm_*p*_value**	**PRAD_slope**	**PRAD_lm_*p*_value**	**THCA_slope**	**THCA_lm_*p*_value**	**UCEC_slope**	**UCEC_lm_*p*_value**
cg00473134	7.80E-04	1.45E-01	1.52E-04	7.39E-01	3.20E-03	1.44E-01	2.24E-04	7.93E-01	3.71E-03	6.24E-05	1.50E-04	2.30E-02	2.20E-04	6.98E-01
cg01733570	-1.72E-03	2.57E-02	5.90E-04	2.84E-01	-1.84E-03	4.54E-02	2.60E-04	8.14E-01	-3.55E-05	9.49E-01	1.04E-03	3.29E-02	-1.12E-03	2.18E-01
cg03995857	1.24E-03	2.95E-02	1.47E-04	8.14E-01	2.46E-04	3.32E-01	1.24E-04	9.04E-01	3.83E-03	5.62E-05	1.84E-04	9.86E-04	6.48E-05	9.24E-01
cg04317854	-9.43E-04	1.16E-01	1.02E-03	5.00E-02	-1.26E-03	9.04E-02	9.09E-04	1.72E-01	9.42E-04	1.55E-01	6.84E-04	4.78E-02	-1.43E-03	4.07E-02
cg04770504	3.13E-04	2.07E-01	5.64E-04	3.81E-01	2.10E-04	2.26E-01	3.63E-04	6.20E-01	3.06E-03	1.32E-04	9.92E-05	1.14E-03	4.13E-04	4.65E-01

cg06301139	-8.45E-04	1.34E-01	-1.11E-04	7.26E-01	-4.68E-04	4.50E-01	2.07E-04	3.96E-01	-1.10E-04	2.76E-01	4.57E-05	1.25E-01	-6.87E-04	1.12E-01
cg07293520	1.98E-04	1.98E-01	6.85E-04	2.04E-01	3.03E-04	1.28E-01	2.12E-04	6.37E-01	9.60E-04	5.06E-04	3.21E-05	7.67E-02	7.89E-04	1.41E-01
cg07320646	4.59E-04	1.31E-01	6.90E-04	3.26E-01	3.68E-04	9.62E-02	3.57E-04	5.94E-01	5.63E-04	3.51E-02	-1.08E-06	9.54E-01	7.80E-04	2.09E-01
cg07504598	-2.34E-03	2.97E-03	-1.70E-05	9.74E-01	-1.01E-03	2.66E-01	5.02E-04	5.44E-01	7.01E-04	2.88E-01	1.45E-03	2.47E-03	-2.66E-04	7.49E-01
cg09333471	1.36E-03	4.08E-02	2.22E-04	6.56E-01	1.44E-04	7.52E-01	1.28E-03	1.16E-01	2.73E-03	3.80E-03	2.87E-04	2.39E-01	-1.03E-04	8.83E-01
cg12922093	-3.34E-03	2.62E-06	1.63E-04	7.75E-01	-6.40E-04	2.48E-01	1.71E-03	1.68E-02	-1.58E-03	1.46E-02	8.37E-05	4.69E-01	-3.23E-04	4.33E-01
cg14205998	9.27E-05	6.59E-01	2.01E-04	5.85E-01	2.04E-05	9.67E-01	4.80E-05	8.17E-01	-2.40E-04	1.35E-01	-6.59E-05	2.23E-01	1.07E-04	5.74E-01
cg15037663	-3.37E-03	2.71E-05	-1.26E-04	7.96E-01	-8.96E-04	3.46E-01	6.76E-04	3.58E-01	4.89E-05	9.22E-01	1.19E-03	1.08E-02	-1.44E-04	8.64E-01
cg17569154	-1.21E-03	3.65E-02	2.97E-04	5.02E-01	-7.88E-04	2.78E-01	1.06E-03	2.08E-01	-6.23E-04	2.17E-01	-2.43E-05	5.67E-01	1.20E-04	7.81E-01
cg17790129	6.81E-04	1.30E-02	2.00E-04	6.58E-01	-7.85E-04	9.68E-02	-8.27E-04	2.98E-01	1.29E-04	4.22E-01	-1.37E-05	9.12E-01	-1.97E-03	5.55E-04
cg19260663	-3.11E-03	3.33E-05	8.65E-04	8.19E-02	2.86E-04	6.08E-01	8.54E-04	2.21E-01	-2.16E-03	7.24E-03	-1.35E-04	1.41E-01	2.09E-04	6.63E-01
cg19706795	-3.00E-03	8.73E-05	1.37E-04	7.26E-01	-8.23E-04	3.41E-01	-3.66E-05	9.49E-01	-4.53E-04	1.99E-01	5.32E-04	3.55E-02	-2.46E-04	7.64E-01
cg20764575	-3.42E-03	4.92E-05	2.70E-05	9.44E-01	-1.19E-04	8.97E-01	7.56E-04	2.00E-01	-2.72E-04	4.54E-01	2.77E-04	2.82E-01	-1.42E-03	1.31E-01
cg22804000	-1.32E-03	7.73E-02	1.12E-03	3.49E-02	-1.53E-03	6.20E-02	2.93E-04	7.74E-01	1.31E-04	8.58E-01	1.73E-03	1.40E-04	-6.78E-04	4.35E-01
cg24805239	3.52E-04	2.64E-01	9.45E-04	1.09E-01	3.81E-04	1.26E-01	5.95E-04	4.42E-01	3.72E-03	9.18E-05	8.30E-04	4.26E-09	-4.47E-07	9.99E-01
cg25723149	-9.22E-04	2.30E-01	9.39E-04	1.01E-01	-1.15E-03	1.82E-01	3.41E-04	7.46E-01	4.22E-04	5.57E-01	1.61E-03	2.83E-04	-1.06E-03	2.44E-01
cg26712096	-2.00E-03	3.94E-03	3.45E-04	4.97E-01	8.51E-05	9.11E-01	4.06E-04	3.15E-01	-8.35E-04	2.23E-01	-6.21E-05	4.13E-01	8.78E-04	1.54E-01

Highlighted cells represent significant *p*-values.

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