

Supplementary Table S10. Genes for which DNA methylation levels were significantly correlated with lymphovascular invasion (LVSI) in tissue samples of early-onset endometrioid endometrial cancer (n=34).

Target ID ^a	Gene symbol ^b	DNA methylation levels in EE samples (mean \pm SD)		P value	DNA methylation status in LVSI-positive cases ^c
		LVSI-positive (n=5)	LVSI-negative (n=29)		
cg22855255	<i>CA10</i>	0.639 \pm 0.127	0.480 \pm 0.182	7.22 \times 10 ⁻³	DNA hypermethylation
cg14231749	<i>CA10</i>	0.544 \pm 0.108	0.374 \pm 0.171	1.69 \times 10 ⁻³	DNA hypermethylation
cg21385821	<i>CA10</i>	0.534 \pm 0.153	0.341 \pm 0.161	2.97 \times 10 ⁻³	DNA hypermethylation
cg00701946	<i>GPR75</i>	0.695 \pm 0.131	0.544 \pm 0.173	9.88 \times 10 ⁻³	DNA hypermethylation
cg25390440	<i>GYPC</i>	0.660 \pm 0.092	0.546 \pm 0.132	8.23 \times 10 ⁻³	DNA hypermethylation
cg08129583	<i>GYPC</i>	0.677 \pm 0.085	0.559 \pm 0.112	2.45 \times 10 ⁻³	DNA hypermethylation
cg17105014	<i>GYPC</i>	0.646 \pm 0.087	0.539 \pm 0.109	5.50 \times 10 ⁻³	DNA hypermethylation
cg01285501	<i>HOXA9</i>	0.676 \pm 0.101	0.537 \pm 0.178	8.37 \times 10 ⁻³	DNA hypermethylation
cg20649017	<i>HOXD10</i>	0.648 \pm 0.128	0.520 \pm 0.144	5.93 \times 10 ⁻³	DNA hypermethylation
cg21591742	<i>HOXD10</i>	0.691 \pm 0.086	0.520 \pm 0.196	1.81 \times 10 ⁻³	DNA hypermethylation
cg00983904	<i>IFFO1</i>	0.764 \pm 0.055	0.682 \pm 0.108	8.00 \times 10 ⁻³	DNA hypermethylation
cg10689784	<i>NPR2</i>	0.554 \pm 0.184	0.368 \pm 0.144	9.16 \times 10 ⁻³	DNA hypermethylation
cg23002957	<i>ORAI3</i>	0.697 \pm 0.063	0.560 \pm 0.118	1.48 \times 10 ⁻⁴	DNA hypermethylation
cg22732749	<i>PCDHB15</i>	0.630 \pm 0.130	0.454 \pm 0.200	5.30 \times 10 ⁻³	DNA hypermethylation
cg17023770	<i>PCDHB15</i>	0.613 \pm 0.107	0.453 \pm 0.145	1.39 \times 10 ⁻³	DNA hypermethylation
cg09207053	<i>PCDHGA11</i>	0.680 \pm 0.102	0.544 \pm 0.141	4.07 \times 10 ⁻³	DNA hypermethylation
cg06157602	<i>PCDHGB6</i>	0.580 \pm 0.147	0.416 \pm 0.165	8.37 \times 10 ⁻³	DNA hypermethylation
cg01560972	<i>RIC3</i>	0.574 \pm 0.068	0.459 \pm 0.146	5.15 \times 10 ⁻³	DNA hypermethylation
cg16717065	<i>SOX11</i>	0.641 \pm 0.130	0.420 \pm 0.202	7.70 \times 10 ⁻⁴	DNA hypermethylation
cg06092815	<i>SPHKAP</i>	0.612 \pm 0.104	0.477 \pm 0.156	6.61 \times 10 ⁻³	DNA hypermethylation
cg21911021	<i>ZIK1</i>	0.595 \pm 0.142	0.433 \pm 0.150	6.15 \times 10 ⁻³	DNA hypermethylation
cg26465391	<i>ZNF154</i>	0.737 \pm 0.084	0.602 \pm 0.161	4.55 \times 10 ⁻³	DNA hypermethylation
cg13871633	<i>ZNF662</i>	0.671 \pm 0.105	0.477 \pm 0.138	1.25 \times 10 ⁻⁴	DNA hypermethylation
cg20765086	<i>ZSCAN12</i>	0.671 \pm 0.080	0.540 \pm 0.152	3.05 \times 10 ⁻³	DNA hypermethylation

^aProbe ID of the Infinium MethylationEPIC BeadChip. ^bNational Center for Biotechnology Information (NCBI) database (Genome Build 37). ^cCompared to DNA methylation status in LVSI-negative cases.