

Dataset S3

Table 1. Correlation study between promoter methylation of 10 studied genes and clinicopathological parameters in 36 plasma samples.

Variables	Group (No. of cases)	Methylation status of 10 studied genes in <i>plasma</i> samples (<i>P</i> -value)									
		<i>APC</i>	<i>BIN1</i>	<i>BMP6</i>	<i>BRCA1</i>	<i>CST6</i>	<i>ESR-b</i>	<i>GSTP1</i>	<i>P16</i>	<i>P21</i>	<i>TIMP3</i>
Age ^a	<50 (8)										
	≥50 (28)	0.209	0.238	0.577	0.138	0.402	0.834	0.036*	0.098	0.819	0.662
Histological Grade ^b	G1 (11)										
	G2 (18)	0.597	0.239	0.788	0.148	0.077	0.891	0.171	0.337	0.399	0.878
	G3 (7)										
Pathologic Stage ^a	Early (27)										
	Late (9)	0.927	0.674	0.839	0.265	0.297	0.898	0.273	0.017*	0.351	0.927
Lymph node involvement ^a	Positive (19)										
	Negative (17)	0.235	0.295	0.049*	0.401	0.310	0.887	0.466	0.169	0.715	0.173
ER Marker ^a	Positive (28)										
	Negative (8)	0.287	0.170	0.115	0.621	0.313	0.361	0.051	0.780	0.819	0.954
PR Marker ^a	Positive (23)										
	Negative (13)	0.439	0.339	0.265	0.564	0.222	0.729	0.459	0.163	0.882	1.000

a: Mann-Whitney U Test; **b:** Kruskal-Wallis Test; * Significant correlation.
ER: Estrogen receptor; **PR:** Progesterone receptor.

Table 2. Correlation study between promoter methylation of 10 studied genes and clinicopathological parameters in 20 serum samples.

Variables	Group (No. of cases)	Methylation status of 10 studied genes in <i>serum</i> samples (<i>P</i> -value)									
		<i>APC</i>	<i>BIN1</i>	<i>BMP6</i>	<i>BRCA1</i>	<i>CST6</i>	<i>ESR-b</i>	<i>GSTP1</i>	<i>P16</i>	<i>P21</i>	<i>TIMP3</i>
Age ^a	<50 (10)										
	≥50 (10)	0.70	0.705	0.755	0.364	0.545	0.140	0.545	0.151	0.290	0.364
Histological Grade ^b	G1 (0)										
	G2 (5)	0.036*	0.150	0.857	0.965	0.239	0.431	0.206	0.407	0.760	0.570
	G3 (15)										
Pathologic Stage ^a	Early (12)										
	Late (8)	0.671	0.877	0.061	0.064	0.190	0.089	0.123	0.316	0.354	0.011*
Lymph node involvement ^a	Positive (7)										
	Negative (13)	0.874	0.405	0.005*	0.251	0.043*	0.805	0.122	0.322	0.874	0.006*
ER Marker ^a	Positive (4)										
	Negative (16)	0.298	0.508	0.807	0.637	0.147	0.256	0.073	0.925	0.887	0.850
PR Marker ^a	Positive (10)										
	Negative (10)	0.151	0.597	0.198	0.705	0.705	0.198	0.174	0.174	0.734	0.705

a: Mann-Whitney U Test; **b:** Kruskal-Wallis Test; * Significant correlation.
ER: Estrogen receptor; **PR:** Progesterone receptor.