

Table. S1. Frequency distribution of selected characteristics in OC cases and cancer-free controls.

Variables	Cases (n=244), n (%)	Control (n=276), n (%)	P-value <sup>a</sup>
Age, years			0.4686
≤51	116 (47.54)	140 (50.72)	
>51	128 (52.46)	136 (49.28)	
Metastasis			
Yes	89 (36.48)	/	
No	138 (56.56)	/	
Clinical stage			
1	52 (21.31)	/	
2	43 (17.62)	/	
3	83 (34.02)	/	
4	21 (8.61)	/	
No. of times pregnant			
≥3	99 (40.57)	/	
<3	91 (37.30)	/	
Menopause			
Post-menopause	159 (65.16)	/	
Pre-menopause	79 (32.38)	/	
ER expression			
Low	29 (11.89)	/	
High	64 (26.23)	/	
PR expression			
Low	28 (11.48)	/	
High	38 (15.57)	/	
PAX8 expression			
Low	28 (11.48)	/	
High	57 (23.36)	/	
WT1 expression			
Low	34 (13.93)	/	
High	74 (30.33)	/	
p16 expression			
Low	34 (13.93)	/	
High	64 (26.23)	/	
Ki-67 expression			
Low	38 (15.57)	/	
High	73 (29.92)	/	
Wild-type p53			
Positive	54 (22.13)	/	
Negative	180 (73.77)	/	
Mutant p53			
Positive	105 (43.03)	/	
Negative	129 (52.87)	/	

<sup>a</sup>Values were calculated using a two-sided Chi-squared test for distributions between cases with ovarian cancer and cancer-free controls. ER, estrogen receptor; PR, progesterone receptor; PAX8, paired box 8.