

Table 1 Correlations between the expressions of C1orf106 and clinical factors

Clinicopathologic feature	n (n=52)	Low-expression of C1orf106 (n=9)	High-expression of C1orf106 (n=43)	χ^2	p value
Age (years)					
<45	25	5 (20.0%)	20 (80.0%)	0.016	0.899
≥45	27	4 (14.8%)	23 (85.2%)		
Body mass index (kg/m²)					
<25	32	2 (6.25%)	30 (93.75%)	6.250	0.012
≥25	18	7 (38.9%)	11 (61.1%)		
Unknown	2	0 (0%)	2 (100%)		
Maximum tumor diameter (cm)					
<10	23	2 (8.7%)	21 (91.3%)	1.324	0.250
≥10	28	7 (25.0%)	21 (75.0%)		
Unknown	1	0 (0%)	1 (100%)		
Bilateral or unilateral tumors					
Bilateral	16	3 (18.75%)	13 (81.25%)	0.000	1.000
Unilateral	36	6 (16.7%)	30 (83.3%)		
Preoperative CA125 (U/ml)					
<35	14	2 (14.3%)	12 (85.7%)	0.000	0.987
≥35	36	7 (19.4%)	29 (80.6%)		
Unknown	2	0 (0%)	2 (100%)		
Ascites quantity(ml)					
≤100	35	5 (14.3%)	30 (85.7%)	0.575	0.448
>100	14	4 (28.6%)	10 (71.4%)		

Unknown	3	0 (0%)	3 (100%)		
Cytologic examination of ascites					
Negative	26	4 (15.4%)	22 (84.6%)		
Positive	21	5 (23.8%)	16 (76.2%)	0.127	0.721
Unknown	5	0 (0%)	5 (100%)		
FIGO stage					
I+II	24	2 (8.3%)	22 (91.7%)		
III+IV	28	7 (25.0%)	21 (75.0%)	1.479	0.224
Progesterone Receptor					
≤ (++)	41	8 (19.5%)	33 (80.5%)		
> (++)	9	1 (11.1%)	8 (88.9%)	0.013	0.980
Unknown	2	0 (0%)	2 (100%)		
Estrogen Receptor					
≤ (++)	26	5 (19.2%)	21 (80.8%)		
> (++)	24	4 (16.7%)	20 (83.3%)	0.000	1.000
Unknown	2	0 (0%)	2 (100%)		
Residual lesion (cm)					
0	41	4 (9.8%)	37 (90.2%)		
>0	8	4 (50.0%)	4 (50.0%)	5.263	0.022
Unknown	3	1 (33.3%)	2 (66.7%)		

Table 2 Univariate and multivariate results for OS in LGSOC

Clinical features	n (n=52)	Univariate analysis			Multivariate analysis		
		HR	95%CI	p value	HR	95%CI	p value
Age (years)							
<45	25	1.39	0.45-4.25	0.564			
≥45	27						
Body mass index (kg/m²)							
<25	32	1.34	0.43-4.16	0.617			
≥25	18						
Unknown	2						
Maximum tumor diameter (cm)							
<10	23	2.02	0.55-7.44	0.293			
≥10	28						
Unknown	1						
Bilateral or unilateral tumors							
Bilatera	16	2.75	0.61-12.45	0.188			
Unilatera	36						
Preoperative CA125 (U/ml)							
<35	14	33.39	0.17-6723.73	0.195			
≥35	36						
Unknown	2						
Ascites quantity (ml)							
≤100	35	6.36	1.93-20.91	0.002			0.793

>100	14						
Unknown	3						
Cytologic							
examination of							
ascites							
Negative	26						
Positive	21	6.29	1.72-22.98	0.005			0.915
Unknown	5						
FIGO stage							
I+II	24						
		113.13	1.09-11742.11	0.046	136.77	1.14-16363.68	0.044
III+IV	28						
Progesterone							
Receptor							
≤ (++)	41						
> (++)	9	0.03	0-14.32	0.273			
Unknown	2						
Estrogen Receptor							
≤ (++)	26						
> (++)	24	1.18	0.39-3.55	0.773			
Unknown	2						
Residual lesion							
(cm)							
0	41						
>0	8	2.58	0.84-7.94	0.099			
Unknown	3						
C1orf106							
High-expression	43	0.30	0.10-0.91	0.034			0.640
Low-expression	9						

Table 3 Univariate and multivariate results for PFS in LGSOC

Clinicopathologic feature	n (n=52)	Univariate analysis			Multivariate analysis		P value
		HR	95%CI	p value	HR	95%CI	
Age (years)							
<45	25	0.85	0.35-2.05	0.716			
≥45	27						
Body mass index (kg/m²)							
<25	32	2.47	0.97-6.27	0.057			
≥25	18						
Unknown	2						
Maximum tumor diameter (cm)							
<10	23	1.85	0.66-5.18	0.239			
≥10	28						
Unknown	1						
Bilateral or unilateral tumors							
Bilatera	16	1.84	0.61-5.51	0.278			
Unilatera	36						
Preoperative CA125 (U/ml)							
<35	14	6.18	0.82-46.47	0.077			
≥35	36						
Unknown	2						
Ascites quantity (ml)							
≤100	35	5.46	2.08-14.31	0.001			0.708

>100	14						
Unknown	3						
Cytologic examination of ascites							
Negative	26						
Positive	21	4.78	1.68-13.55	0.003			0.793
Unknown	5						
FIGO stage							
I+II	24						
III+IV	28	30.74	4.03-234.80	0.001	28.75	3.73-221.42	0.001
Progesterone Receptor							
≤ (++)	41						
> (++)	9	0.035	0.00-5.63	0.195			
Unknown	2						
Estrogen Receptor							
≤ (++)	26						
> (++)	24	1.24	0.49-3.14	0.648			
Unknown	2						
Residual lesion (cm)							
0	41						
>0	8	3.07	1.78-8.01	0.022			0.703
Unknown	3						
C1orf106							
High-expression	43						
Low-expression	9	0.51	0.20-1.34	0.173			