

Table 5 Differentially expressed genes is significantly associated with genetic mutation of Ovarian cancer

Genes	FDR B&H	FDR B&Y	Bonferroni
NOS3,EDN2	1.13E+01	1.33E-02	1.16E-01
PTEN,MLH1,PMS2,APC,MSH2	8.71E-03	1.53E-04	1.23E-03
BAX,FANCC,MLH1,VDR,APC	1.94E+01	2.65E-02	2.32E-01
FAS	4.51E+01	4.70E-02	4.12E-01
BAX,PTEN,FANCC,MLH1,VDR, APC,TP73	2.38E+01	3.07E-02	2.69E-01
CDKN1A,PTEN,MDM2,DDB2, GADD45A,FANCC,HRAS,MLH1, DNMT1,VDR,PMS2,APC,TP53I3, MSH2,IGFBP3,EGFR,TP53	1.38E-14	1.97E-15	2.27E-14
PTEN,MDM2,TP53	3.36E-03	1.10E-05	1.27E-04