

Table S16. Ovarian cancer modules with enriched pathways in BioCarta.

Module ID	m	k	x	Gene Ontology	p-value	Genes	p-value
2	31	60	4	Bcr Pathway	1.58E-05	BLNK, VAV1, BTK, LYN	3.44E-03
3	18	35	5	Mcm Pathway	1.28E-09	MCM2, CDC6, MCM4, CDK2, MCM7	2.79E-07
5	55	30	3	Hivnef Pathway	3.35E-04	DFFB, PTK2, CASP7	3.64E-02
6	18	34	4	Mcm Pathway	1.58E-07	MCM4, CDK2, MCM6, MCM2	3.42E-05
13	18	78	6	Mcm Pathway	1.06E-09	CDC6, MCM7, ORC2L, MCM6, ORC5L, ORC1L	2.30E-07
13	20	78	4	Atrbrca Pathway	7.29E-06	RAD1, FANCE, FANCG, CHEK1	7.91E-04
18	18	31	5	Mcm Pathway	6.74E-10	MCM4, MCM6, MCM3, MCM2, MCM7	1.46E-07
21	21	30	3	Il2 Pathway	1.80E-05	IL2RG, IL2RB, LCK	1.95E-03
21	20	30	3	Ctla4 Pathway	1.55E-05	ICOS, ITK, LCK	1.95E-03
25	18	29	4	Mcm Pathway	8.11E-08	MCM2, MCM6, MCM7, MCM4	1.76E-05
26	23	44	3	G2 Pathway	7.66E-05	PLK1, CCNB1, CHEK1	8.31E-03
26	9	44	3	Ranms Pathway	3.77E-06	KPNA2, RAN, RANBP1	8.17E-04
33	9	57	4	Ranms Pathway	5.58E-08	AURKA, TPX2, KIF15, KPNA2	1.21E-05