

**Supp Table 5: Webgestalt analysis**

**OVCA420**

KEGG pathway	Gene number	Enrichment
<a href="#">Regulation of actin cytoskeleton</a>	16	O=16;E=3.9463;R=4.0544;P=5.54e-6
<a href="#">Cytokine-cytokine receptor interaction</a>	16	O=16;E=4.8478;R=3.3005;P=5.87e-5
<a href="#">Focal adhesion</a>	14	O=14;E=3.8061;R=3.6783;P=5.70e-5
<a href="#">Oxidative phosphorylation</a>	13	O=13;E=2.2636;R=5.7431;P=1.29e-6
<a href="#">Tight junction</a>	12	O=12;E=2.2436;R=5.3485;P=6.42e-6
<a href="#">MAPK signaling pathway</a>	12	O=12;E=5.3285;R=2.252;P=9.39e-3
<a href="#">Insulin signaling pathway</a>	11	O=11;E=2.6042;R=4.2239;P=1.13e-4
<a href="#">Ribosome</a>	10	O=10;E=1.9231;R=5.1999;P=4.68e-5
<a href="#">Jak-STAT signaling pathway</a>	9	O=9;E=2.8646;R=3.1418;P=3.22e-3
<a href="#">Wnt signaling pathway</a>	9	O=9;E=2.8646;R=3.1418;P=3.22e-3

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KEGG pathway	Gene number	Enrichment
<a href="#">Regulation of actin cytoskeleton</a>	15	O=15;E=2.4977;R=6.0055;P=8.74e-8
<a href="#">Focal adhesion</a>	14	O=14;E=2.409;R=5.8115;P=3.42e-7
<a href="#">Insulin signaling pathway</a>	12	O=12;E=1.6483;R=7.2802;P=2.55e-7
<a href="#">MAPK signaling pathway</a>	9	O=9;E=3.3726;R=2.6686;P=8.22e-3
<a href="#">Leukocyte transendothelial migration</a>	9	O=9;E=1.42;R=6.338;P=2.28e-5
<a href="#">Natural killer cell mediated cytotoxicity</a>	9	O=9;E=1.5088;R=5.965;P=3.56e-5
<a href="#">Gap junction</a>	9	O=9;E=1.0777;R=8.3511;P=2.89e-6
<a href="#">Wnt signaling pathway</a>	8	O=8;E=1.8131;R=4.4123;P=6.62e-4
<a href="#">Pancreatic cancer</a>	8	O=8;E=0.9002;R=8.8869;P=6.78e-6
<a href="#">Cell adhesion molecules (CAMs)</a>	7	O=7;E=1.5722;R=4.4524;P=1.35e-3