

Supplementary Fig. S1

Dominant signaling pathways	Gene hits
Wnt signaling pathway(P00057)	CDH10, CDH13, HDAC3, GNG4
Inflammation mediated by chemokine and cytokine signaling pathway(P00031)	ALOX5AP, CCL5, IL-8, GNG4
Apoptosis signaling pathway(P00006)	BCL2A1, MAP4K1
Heterotrimeric G-protein signaling pathway-Gi alpha and Gs alpha mediated pathway(P00026)	GRM1, GRK1, GNG4

Gene ontology analysis of the whole human genome expression array results using genes with upregulation or downregulation >2 folds from a panel of gynaecological cancer cell lines treated by Hypoxia (0.5% O₂, 24 h) and normoxia.