

Table S3. Selected functional pathways affected by changes in EMP2 expression.
 Functional pathways differences were analyzed between in SUM149/Ctrl vs. SUM149/kD#2.
 EMP2 levels significantly altered genes associated with metabolism and hypoxia.

Gene Set Name	Description	p-value	FDR q-value
HALLMARK_ESTROGEN_RESPONSE_EARLY	Genes defining early response to estrogen.	1.80E-04	4.49E-03
HALLMARK_HEME_METABOLISM	Genes involved in metabolism of heme (a cofactor consisting of iron and porphyrin) and erythroblast differentiation.	1.80E-04	4.49E-03
HALLMARK_FATTY_ACID_METABOLISM	Genes encoding proteins involved in metabolism of fatty acids.	4.92E-04	8.20E-03
HALLMARK_GLYCOLYSIS	Genes encoding proteins involved in glycolysis and gluconeogenesis.	1.41E-03	1.18E-02
HALLMARK_HYPOXIA	Genes up-regulated in response to low oxygen levels (hypoxia).	1.41E-03	1.18E-02
HALLMARK_MYC_TARGETS_V1	A subgroup of genes regulated by MYC - version 1 (v1).	1.41E-03	1.18E-02