

Table S1: Cellular processes, pathways and molecular function. Gene set enrichment analysis (GSEA) after intermittent hyperbaric oxygen (HBO) treatment of tumor cells.

Induced_intermittent HBO treatment	FDR	No.genes
HSA00190_OXIDATIVE_PHOSPHORYLATION	0.00	51
ELECTRON_TRANSPORT_CHAIN	0.15	53
PROTEIN_SERINE_THREONINE_KINASE_ACTIVITY_DN	0.85	100
ACTIN_CYTOSKELETON	1.80	62
G1_TO_S_CELL_CYCLE_REACTOME	1.96	30
HDACI_COLON_BUT16HRS_DN	2.23	45
METALLOENDOPEPTIDASE_ACTIVITY	2.30	18
NEGATIVE_REGULATION_OF_CELL_CYCLE	2.52	30
HSA03320_PPAR_SIGNALING_PATHWAY	2.83	20
Down_intermittent HBO treatment	FDR	No.genes
UVC_XPCS_4HR_DN	0.00	130
UVB_NHEK1_DN	0.00	138
HSA04010_MAPK_SIGNALING_PATHWAY	0.10	95
HSA04510_FOCAL_ADHESION	0.41	99
CTNNB1_oncogenic_signature	0.48	32
HSA04350_TGF_BETA_SIGNALING_PATHWAY	0.73	37
TRANSCRIPTION_ACTIVATOR_ACTIVITY	1.70	63
HSA04810_REGULATION_OF_ACTIN_CYTOSKELEMT_DN	1.98	28
HSA04540_GAP_JUNCTION	2.06	43
HSA04370_VEGF_SIGNALING_PATHWAY	2.13	89
HSA04310_WNT_SIGNALING_PATHWAY	2.17	28
EMT_DN	2.72	27
HSA04340_HEDGEHOG_SIGNALING_PATHWAY	2.81	30
BRCA1_OVEREXP_DN	3.68	53
BASSO_GERMINAL_CENTER_CD40_DN	4.40	53