

**SUPPLEMENTAL TABLE S5: EPO/EPOR MODULATED CANCER BIOLOGY**

gene symbol, gene name [Entrez gene ID]	EPO modulation, fold change	known / novel	description	reference (PMID #)
<i>Mtdh</i> , metadherin [67154]	2.0x up	N	Promotes lung metastasis and also has an effect on bone and brain metastasis, possibly by enhancing the seeding of tumor cells to the target organ endothelium. Induces chemoresistance	19723648
<i>Dnajb4</i> , DnaJ (Hsp40) homolog subfamily B, member 41 [67035]	2.3x down	N	Activates JNK/JunD pathway; inhibits lung cancer cell invasion and metastasis by modulating E-Cadherin; tumor suppressor	18794131; 20145123
<i>Pvt1</i> , plasmacytoma variant translocation 1 [19296]	3.2x up	N	An oncogene; a downstream target of the c-Myc gene; involved in translocation in variant Burkitt's lymphomas and murine plasmacytomas upregulated in Hidkin's Lymphoma	17503467; 21037568
<i>Cdr2</i> , cerebellar degeneration-related 2 [12585]	2.6x down	N	A tumor antigen; it is cell cycle regulated (peaking in mitosis), it triggers autoimmune response	20383333; 19581925
<i>Tspan14</i> , tetraspanin 14 [52588]	3.5x up	N	Genetically altered in lung cancer; may promote tumor growth	19473719
<i>Ccdc68</i> , coiled-coil domain containing 68 [381175]	2.5x down	N	A tumor suppressor; downregulated in primary colon cancer (may be a selective advantage for colon cancer)	19359472