

Table: Genes associated with hypoxia that are induced in a step-wise pattern between conditions

Gene	RefSeq	Function	Relation to Hypoxia	Wt 21%	Null 21%	Wt 8%	Null 8%
Egln3	NM_028133	Prolyl hydroxylase	Regulates HIF-1a protein levels	1	0.92 ±0.07	2.98 ±0.52	5.63 ±1.28
Vegfa	NM_009505	Transcription factor	HIF-1a target	1	1.07 ±0.16	2.25 ±0.15	4.02 ±0.89
Plod2	NM_011961	Collagen biosynthesis	HIF-1a target	1	1.44 ±0.22	8.03 ±2.00	14.83 ±3.82
Ndr-1	NM_010884	Growth/transcription factor?	Responsive to hypoxia	1	1.04 ±0.17	5.00 ±1.00	8.50 ±0.93
Ddit4	NM_029083	unknown	HIF-1a target	1	1.26 ±0.09	2.43 ±0.61	8.21 ±1.98
Glut-1	NM_011400	Glucose transporter	HIF-1a target	1	1.13 ±0.08	2.40 ±0.31	4.18 ±0.62
Glut-3	NM_011401	Glucose transporter	HIF-1a target	1	1.02 ±0.27	1.84 ±0.30	3.03 ±0.47
Pfkfb3	NM_133232	ATP binding, glycolytic enzyme	HIF-1a target	1	0.91 ±0.13	2.47 ±0.45	2.84 ±0.58
Hk2	NM_013820	Hexokinase 2, glycolytic enzyme	HIF-1a target	1	1.16 ±0.34	2.13 ±0.21	3.63 ±0.51
Bnip3	NM_009760	Pro-apoptotic Bcl-2 family member	HIF-1a target	1	1.35 ±0.10	5.77 ±1.16	8.26 ±1.50
Igfbp-1	NM_008341	Reduces cell proliferation	Induced in hypoxia	1	1.12 ±0.43	7.63 ±2.37	6.27 ±1.70