

Table 1S. Known HIF-1 target genes
 Benita Y, et al. Nucleic Acids Res. 2009 Aug;37(14):4587-602.

Symbol	Description	Reference
ABCB1	ATP-binding cassette, sub-family B (MDR/TAP), member 1	PubMed ID: 12067980
ABCG2	ATP-binding cassette, sub-family G (WHITE), member 2	PubMed ID: 15044468
ADM	adrenomedullin	PubMed ID: 13130303
ADRA1B	adrenergic, alpha-1B-, receptor	PubMed ID: 13130303
AK3	adenylate kinase 3	PubMed ID: 13130303
ALDOA	aldolase A, fructose-bisphosphate	PubMed ID: 8955077
BHLHB2	basic helix-loop-helix domain containing, class B, 2	PubMed ID: 12354771
BHLHB3	basic helix-loop-helix domain containing, class B, 3	PubMed ID: 12354771
BNIP3	BCL2/adenovirus E1B 19kDa interacting protein 3	PubMed ID: 12879018
BNIP3L	BCL2/adenovirus E1B 19kDa interacting protein 3-like	PubMed ID: 13130303
CA9	carbonic anhydrase IX	PubMed ID: 15184875
CCNG2	cyclin G2	PubMed ID: 13130303
CD99	CD99 molecule	PubMed ID: 13130303
CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	PubMed ID: 13130303
CITED2	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	PubMed ID: 9887100
COL5A1	collagen, type V, alpha 1	PubMed ID: 13130303
CP	ceruloplasmin (ferroxidase)	PubMed ID: 10777486
CTGF	connective tissue growth factor	PubMed ID: 15315937
CTSD	cathepsin D	PubMed ID: 13130303
CXCL12	chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)	PubMed ID: 15235597
CXCR4	chemokine (C-X-C motif) receptor 4	PubMed ID: 13679920
CYP2S1	cytochrome P450, family 2, subfamily S, polypeptide 1	PubMed ID: 17277313
DDIT4	DNA-damage-inducible transcript 4	PubMed ID: 13130303
DEC1	deleted in esophageal cancer 1	PubMed ID: 13130303
EDN1	endothelin 1	PubMed ID: 15132980
EGLN1	egl nine homolog 1 (C. elegans)	PubMed ID: 15563275
EGLN3	egl nine homolog 3 (C. elegans)	PubMed ID: 15823097
ENG	endoglin (Osler-Rendu-Weber syndrome 1)	PubMed ID: 12228247
ENO1	enolase 1, (alpha)	PubMed ID: 8955077
EPO	erythropoietin	PubMed ID: 8408001
ETS1	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	PubMed ID: 11708773
FECH	ferrochelatase (protoporphyrin)	PubMed ID: 15312748
FN1	fibronectin 1	PubMed ID: 13130303
FURIN	furin (paired basic amino acid cleaving enzyme)	PubMed ID: 15611046
GAPDH	glyceraldehyde-3-phosphate dehydrogenase	PubMed ID: 10542317
GPI	glucose phosphate isomerase	PubMed ID: 13130303
GPX3	glutathione peroxidase 3 (plasma)	PubMed ID: 15096516
HK1	hexokinase 1	PubMed ID: 13130303

HK2	hexokinase 2	PubMed ID: 13130303
HMOX1	heme oxygenase (decycling) 1	PubMed ID: 13130303
HSP90B1	heat shock protein 90kDa beta (Grp94), member 1	PubMed ID: 15620698
ID2	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein	PubMed ID: 15252039
IGF2	insulin-like growth factor 2 (somatomedin A)	PubMed ID: 13130303
IGFBP1	insulin-like growth factor binding protein 1	PubMed ID: 9707622
IGFBP2	insulin-like growth factor binding protein 2, 36kDa	PubMed ID: 13130303
IGFBP3	insulin-like growth factor binding protein 3	PubMed ID: 13130303
ITGB2	integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)	PubMed ID: 15235127
KRT14	keratin 14 (epidermolysis bullosa simplex, Dowling-Meara, Koebner)	PubMed ID: 13130303
KRT18	keratin 18	PubMed ID: 13130303
KRT19	keratin 19	PubMed ID: 13130303
LDHA	lactate dehydrogenase A	PubMed ID: 13130303
LEP	leptin	PubMed ID: 12215445
LOX	lysyl oxidase	PubMed ID: 16642001
LRP1	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	PubMed ID: 13130303
MCL1	myeloid cell leukemia sequence 1 (BCL2-related)	PubMed ID: 15611089
MET	met proto-oncogene (hepatocyte growth factor receptor)	PubMed ID: 12726861
MMP14	matrix metalloproteinase 14 (membrane-inserted)	PubMed ID: 15592504
MMP2	matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	PubMed ID: 13130303
MXI1	MAX interactor 1	PubMed ID: 17482131
NOS2A	nitric oxide synthase 2A (inducible, hepatocytes)	PubMed ID: 13130303
NOS3	nitric oxide synthase 3 (endothelial cell)	PubMed ID: 12963737
NPM1	nucleophosmin (nucleolar phosphoprotein B23, numatrin)	PubMed ID: 15310764
NR4A1	nuclear receptor subfamily 4, group A, member 1	PubMed ID: 13130303
NT5E	5'-nucleotidase, ecto (CD73)	PubMed ID: 12370277
PDGFA	platelet-derived growth factor alpha polypeptide	PubMed ID: 15132980
PDK1	pyruvate dehydrogenase kinase, isozyme 1	PubMed ID: 16517405
PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	PubMed ID: 15466858
PFKL	phosphofructokinase, liver	PubMed ID: 13130303
PGK1	phosphoglycerate kinase 1	PubMed ID: 8955077
PH-4	hypoxia-inducible factor prolyl 4-hydroxylase	PubMed ID: 13130303
PKM2	pyruvate kinase, muscle	PubMed ID: 13130303
PLAUR	plasminogen activator, urokinase receptor	PubMed ID: 13130303
PMAIP1	phorbol-12-myristate-13-acetate-induced protein 1	PubMed ID: 14699081
PPP5C	protein phosphatase 5, catalytic subunit	PubMed ID: 15328343
PROK1	prokineticin 1	PubMed ID: 13130303
SERPINE1	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1	PubMed ID: 11877282
SLC2A1	solute carrier family 2 (facilitated glucose transporter), member 1	PubMed ID: 13130303

TERT	telomerase reverse transcriptase	PubMed ID: 15199161
TF	transferrin	PubMed ID: 9242677
TFF3	trefoil factor 3 (intestinal)	PubMed ID: 11342587
TFRC	transferrin receptor (p90, CD71)	PubMed ID: 10446187
TGFA	transforming growth factor, alpha	PubMed ID: 13130303
TGFB3	transforming growth factor, beta 3	PubMed ID: 15155569
TGM2	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	PubMed ID: 13130303
TPI1	triosephosphate isomerase 1	PubMed ID: 13130303
VEGFA	vascular endothelial growth factor A	PubMed ID: 8756616
VIM	vimentin	PubMed ID: 13130303