

Table S7: The list of the references for genes linked to HIF-1 signalling by manual literature search

| Symbol | Name | PubMed ID |
|---------------|---|------------------|
| Adgrd1 | adhesion G protein-coupled receptor D1 | PMID: 27775701 |
| Adra1a | adrenergic receptor, alpha 1a | PMC2951593 |
| Aldh1a2 | aldehyde dehydrogenase family 1, subfamily A2 | PMID: 26220168 |
| Amigo2 | adhesion molecule with Ig like domain 2 | PMID: 20848564 |
| Axl | AXL receptor tyrosine kinase | PMID: 25187556 |
| Blk | B lymphoid kinase | PMID: 26626568 |
| C1qa | complement component 1, q subcomponent, alpha polypeptide | PMID: 28858246 |
| C1qb | complement component 1, q subcomponent, beta polypeptide | PMID: 28858246 |
| Capg | capping protein (actin filament), gelsolin-like | PMID: 19188659 |
| Ccl2 | chemokine (C-C motif) ligand 2 | PMID: 14734750 |
| Ccl7 | chemokine (C-C motif) ligand 7 | PMID: 20729179 |
| Ccl9 | chemokine (C-C motif) ligand 9 | PMID: 15625408 |
| Cd248 | CD248 antigen, endosialin | PMID: 18813310 |
| Cd53 | CD53 antigen | PMID: 15625408 |
| Cd55 | CD55 molecule, decay accelerating factor for complement | PMID: 15923405 |
| Col3a1 | collagen, type III, alpha 1 | PMID: 19790048 |
| Coro1a | coronin, actin binding protein 1A | PMID: 16565084 |
| Cpn2 | carboxypeptidase N, polypeptide 2 | PMID: 24867948 |
| Ctsc | cathepsin C | PMID: 19454749 |
| Ctss | cathepsin S | PMID: 23816886 |
| Cxcl1 | chemokine (C-X-C motif) ligand 1 | PMID: 19454749 |
| Dclk1 | doublecortin-like kinase 1 | PMID: 27320910 |
| Dpt | dermatopontin | PMID: 23262218 |
| Ecm1 | extracellular matrix protein 1 | PMID: 22495609 |
| Emp3 | epithelial membrane protein 3 | PMID: 15100389 |
| F13a1 | coagulation factor XIII, A1 subunit | PMID: 27211559 |
| Fbln1 | fibulin 1 | PMID: 22495609 |
| Fbn1 | fibrillin 1 | PMID: 29215599 |
| Fcgr2b | Fc receptor, IgG, low affinity IIb | PMID: 16849508 |
| Fgl2 | fibrinogen-like protein 2 | PMID: 20416888 |
| Folr2 | folate receptor 2 (fetal) | PMID: 26209622 |
| Frat2 | frequently rearranged in advanced T cell lymphomas 2 | PMID: 19725949 |
| Fstl1 | follistatin-like 1 | PMID: 28361925 |
| Fxyd5 | FXDY domain-containing ion transport regulator 5 | PMC2743718 |
| Fyb | FYN binding protein | PMID: 24114211 |
| G0s2 | G0/G1 switch gene 2 | PMID: 24344269 |
| Gas7 | growth arrest specific 7 | PMID: 16849508 |
| Gsta3 | glutathione S-transferase, alpha 3 | PMID: 21447374 |
| Ifitm1 | interferon induced transmembrane protein 1 | PMID: 20003295 |
| Igfbp4 | insulin-like growth factor binding protein 4 | PMID: 18366759 |

Table S7: Continued

| Symbol | Name | PubMed ID |
|---------------|--|-----------------------------------|
| Il33 | interleukin 33 | PMID: 23967327 |
| Itgb2 | integrin beta 2 | PMID: 19740309 |
| Kap | kidney androgen regulated protein | PMID: 15263007 |
| Kdm3a | lysine (K)-specific demethylase 3A | PMID: 22645302 |
| Lbp | lipopolysaccharide binding protein | PMID: 18984585 |
| Loxl2 | lysyl oxidase-like 2 | PMID: 22645302 |
| Lrp1 | low density lipoprotein receptor-related protein 1 | PMID: 21454812 |
| Lyve1 | lymphatic vessel endothelial hyaluronan receptor 1 | PMID: 26828208 |
| Mmp9 | matrix metalloproteinase 9 | PMID: 18097553 |
| Mpeg1 | macrophage expressed gene 1 | PMID: 18469115 |
| Msr1 | macrophage scavenger receptor 1 | PMID: 19641936 |
| Myh11 | myosin, heavy polypeptide 11, smooth muscle | PMID: 27456656 |
| Myocd | myocardin | PMID: 27144530, PMID: 19098903 |
| Ncf1 | neutrophil cytosolic factor 1 | PMID: 18314479 |
| Nrn1 | neuritin 1 | PMID: 19491311 |
| Pcf11 | PCF11 cleavage and polyadenylation factor subunit | PMID: 19386601, PMID: 17532074 |
| Pirb | paired Ig-like receptor B | PMID: 22580685 |
| Ptgis | prostaglandin I2 (prostacyclin) synthase | PMID: 15374877 |
| Ptgs1 | prostaglandin-endoperoxide synthase 1 | PMID: 15374877 |
| Ptprj | protein tyrosine phosphatase, receptor type, J | PMID: 23007793 |
| Rab15 | RAB15, member RAS oncogene family | PMID: 17828398 |
| Rrad | Ras-related associated with diabetes | PMID: 25114038 |
| Sla | src-like adaptor | PMID: 21447827 |
| SrpX | sushi-repeat-containing protein | PMID: 16565084 |
| Stab1 | stabilin 1 | PMID: 16849508 |
| Tgfbr2 | transforming growth factor, beta receptor II | PMID: 26146544 |
| Timp1 | tissue inhibitor of metalloproteinase 1 | PMID: 16711028 |
| Vav1 | vav 1 oncogene | PMID: 16849508 |
| Vwf | Von Willebrand factor | PMID: 23580145 |