

Suppl. Table 2: Genes upregulated in PHD2 cKO BMDM compared to wt BMDM at 20% O₂

NCBI Gene ID	Symbol	Description	logFC KO20-WT20	AveExpr KO20-WT20	P.Value KO20-WT20	FDR KO20-WT20
100041489	Gm3367	predicted gene 3367	4.13	3.379017116	2.82E-08	7.64E-05
11639	Ak4	adenylate kinase 4	4.05	9.385522268	1.54E-08	5.23E-05
67749	Mgarp	mitochondria localized glutamic acid rich protein	3.98	7.100844948	2.04E-06	1.85E-03
112407	Egln3	egl-9 family hypoxia-inducible factor 3	2.92	9.365956861	1.03E-08	4.09E-05
112407	Egln3	egl-9 family hypoxia-inducible factor 3	2.89	8.29248296	1.18E-07	2.25E-04
11639	Ak4	adenylate kinase 4	2.51	3.524920471	9.30E-07	1.05E-03
433016	Gm5483	predicted gene 5483	2.17	7.210272235	3.94E-05	9.31E-03
654824	Ankrd37	ankyrin repeat domain 37	2.13	9.969182179	1.90E-08	5.72E-05
76770	2010005H15Rik	RIKEN cDNA 2010005H15 gene	2.02	10.28873444	8.19E-06	4.34E-03
11846	Arg1	arginase, liver	1.97	8.473510772	5.55E-05	1.14E-02
17395	Mmp9	matrix metalloproteinase 9	1.81	8.111045329	1.48E-04	1.99E-02
50782	Rgs11	regulator of G-protein signaling 11	1.80	10.15409742	4.09E-08	9.24E-05
80879	Slc16a3	solute carrier family 16 (monocarboxylic acid transporters), member 3	1.79	14.33123059	8.33E-08	1.74E-04
268885	Stfa2l1	stefin A2 like 1	1.78	7.247741696	7.45E-04	4.33E-02
244310	Dlgap2	discs, large (Drosophila) homolog-associated protein 2	1.74	3.086146877	7.33E-04	4.31E-02
80879	Slc16a3	solute carrier family 16 (monocarboxylic acid transporters), member 3	1.74	14.3426922	1.23E-05	4.88E-03
72240	1600014C23Rik	RIKEN cDNA 1600014C23 gene	1.70	4.18048046	1.75E-05	6.17E-03
217410	Trib2	tribbles homolog 2 (Drosophila)	1.59	2.907255552	1.53E-04	2.00E-02
12176	Bnip3	BCL2/adenovirus E1B interacting protein 3	1.56	7.450386906	1.44E-06	1.45E-03
20356	Sema5a	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A	1.54	6.286019963	1.09E-04	1.73E-02
18132	Notch4	notch 4	1.44	10.49135548	1.86E-05	6.32E-03
77619	Preli2	PRELI domain containing 2	1.39	9.723400718	2.45E-05	7.08E-03
14570	Arhgdig	Rho GDP dissociation inhibitor (GDI) gamma	1.36	5.305972095	1.92E-05	6.42E-03
94180	Acsbg1	acyl-CoA synthetase bubblegum family member 1	1.33	8.166907268	1.07E-06	1.11E-03

380684	Nefh	neurofilament, heavy polypeptide	1.30	4.014297473	6.90E-04	4.19E-02
12176	Bnip3	BCL2/adenovirus E1B interacting protein 3	1.30	12.83556021	9.11E-06	4.34E-03
18641	Pfkl	phosphofructokinase, liver, B-type	1.30	10.86198656	1.38E-07	2.33E-04
240058	Cpne5	copine V	1.29	2.437838619	5.95E-04	3.93E-02
226610	Fam78b	family with sequence similarity 78, member B	1.24	6.268253067	2.29E-05	7.08E-03
246278	Cd207	CD207 antigen	1.24	8.437617916	1.03E-06	1.11E-03
12176	Bnip3	BCL2/adenovirus E1B interacting protein 3	1.20	13.36407261	4.51E-05	9.94E-03
64705	Dpys	dihydropyrimidinase	1.17	7.740753928	6.22E-05	1.19E-02
75766	Dcstamp	dentocyte expressed seven transmembrane protein	1.16	11.0679519	1.65E-05	6.07E-03
14570	Arhgdig	Rho GDP dissociation inhibitor (GDI) gamma	1.14	4.326722234	4.33E-04	3.33E-02
100126229	Gm12758	predicted gene 12758	1.11	6.24118459	2.78E-05	7.57E-03
18163	Ctnnd2	catenin (cadherin associated protein), delta 2	1.11	8.280612844	2.17E-05	6.97E-03
57028	Pdpx	pyridoxal (pyridoxine, vitamin B6) phosphatase	1.06	7.586515245	1.62E-04	2.06E-02
18163	Ctnnd2	catenin (cadherin associated protein), delta 2	1.05	8.39479021	3.95E-05	9.31E-03
22339	Vegfa	vascular endothelial growth factor A	1.04	10.70139706	4.33E-05	9.63E-03
228026	Pdk1	pyruvate dehydrogenase kinase, isoenzyme 1	1.04	10.70418533	7.15E-07	8.82E-04
20525	Slc2a1	solute carrier family 2 (facilitated glucose transporter), member 1	1.03	13.39868124	5.69E-06	3.28E-03
19259	Ptpn5	protein tyrosine phosphatase, non-receptor type 5	1.01	2.547518032	2.94E-04	2.80E-02