Suppl. Table 1: *Genes downregulated in PHD2 cKO BMDM compared to wt BMDM at 20% O_2*

NCBI Gene ID	Symbol	Description	logFC KO20-WT20	AveExpr KO20-WT20	P.Value KO20-WT20	FDR KO20-WT20
74075	Syce1	synaptonemal complex central element protein 1	-3.27	2.599099035	3.57E-08	8.79E-05
15417	Hoxb9	homeobox B9	-3.20	2.243856473	1.06E-08	4.09E-05
666415	Gm8090	predicted gene 8090	-3.09	6.124435273	1.12E-04	1.76E-02
100042342	Gm10375	predicted gene 10375	-2.45	4.793042987	2.41E-05	7.08E-03
74005	6330412A17Rik	RIKEN cDNA 6330412A17 gene	-2.39	3.136925844	3.55E-04	3.09E-02
75204	Orly	oppositely-transcribed, rearranged locus on the Y	-2.17	5.405201151	1.93E-04	2.25E-02
75352	4930550L24Rik	RIKEN cDNA 4930550L24 gene	-2.13	2.6689869	6.46E-04	4.06E-02
552902	LOC552902	uncharacterized LOC552902	-2.04	8.343347247	1.23E-05	4.88E-03
100036523	Gm16982	predicted gene, 16982	-1.98	3.774722059	2.53E-04	2.65E-02
109361	D730005E14Rik	RIKEN cDNA D730005E14 gene	-1.91	2.728178681	5.22E-06	3.17E-03
672763	Gm13710	predicted gene 13710	-1.84	5.886429272	3.78E-06	2.69E-03
622931	Gm10021	predicted gene 10021	-1.80	4.772738328	8.69E-05	1.52E-02
67441	Isoc2b	isochorismatase domain containing 2b	-1.67	8.30650848	3.45E-06	2.64E-03
214523	Tmprss4	transmembrane protease, serine 4	-1.67	4.677355655	2.16E-07	3.19E-04
574437	Xlr3b	X-linked lymphocyte-regulated 3B	-1.64	6.133247731	4.22E-07	5.73E-04
380768	Ccdc177	coiled-coil domain containing 177	-1.64	3.759906088	5.00E-04	3.63E-02
638247	9530082P21Rik	RIKEN cDNA 9530082P21 gene	-1.62	6.072007914	5.27E-06	3.17E-03
100041569	Gm3411	predicted gene 3411	-1.52	4.180454308	2.63E-04	2.71E-02
17318	Mid1	midline 1	-1.45	4.255780504	2.79E-05	7.57E-03
214305	Hhipl1	hedgehog interacting protein-like 1	-1.41	7.542287758	4.61E-04	3.47E-02
192188	Stab2	stabilin 2	-1.35	6.417091076	5.46E-07	7.05E-04
319603	A730009E18Rik	RIKEN cDNA A730009E18 gene	-1.35	3.143098682	9.78E-04	4.98E-02
96935	Susd4	sushi domain containing 4	-1.34	3.538541869	6.11E-04	3.99E-02
243725	Ppp1r9a	protein phosphatase 1, regulatory (inhibitor)	-1.33	5.798296824	8.76E-06	4.34E-03

		subunit 9A				
449000	Zfp960	zinc finger protein 960	-1.30	8.191052344	2.23E-07	3.19E-04
68616	Gdpd3	glycerophosphodiester phosphodiesterase domain containing 3	-1.29	11.00633775	9.43E-06	4.34E-03
14388	Gab1	growth factor receptor bound protein 2-associated protein 1	-1.27	6.467719578	5.26E-06	3.17E-03
11496	Adam22	a disintegrin and metallopeptidase domain 22	-1.27	3.772615023	6.53E-04	4.07E-02
231507	Plac8	placenta-specific 8	-1.27	7.303237954	2.96E-06	2.51E-03
109361	D730005E14Rik	RIKEN cDNA D730005E14 gene	-1.23	2.971570439	4.91E-04	3.58E-02
21872	Tjp1	tight junction protein 1	-1.23	2.983130499	1.16E-04	1.78E-02
30910	C230037E05Rik	RIKEN cDNA C230037E05 gene	-1.23	5.304089692	1.15E-04	1.78E-02
214106	4933430I17Rik	RIKEN cDNA 4933430I17 gene	-1.22	6.264524921	4.03E-06	2.69E-03
19126	Prom1	prominin 1	-1.22	5.596469928	1.74E-04	2.14E-02
12870	Cp	ceruloplasmin	-1.22	7.185805947	8.85E-06	4.34E-03
70737	Cgn	cingulin	-1.21	8.54414802	1.46E-07	2.33E-04
12263	C2	complement component 2 (within H-2S)	-1.20	5.88535346	1.14E-05	4.76E-03
625353	Vmn2r35	vomeronasal 2, receptor 35	-1.19	3.623443799	8.51E-04	4.70E-02
14130	Fcgr2b	Fc receptor, IgG, low affinity IIb	-1.18	8.622104391	1.39E-04	1.96E-02
20562	Slit1	slit homolog 1 (Drosophila)	-1.18	6.289404122	4.95E-05	1.04E-02
11847	Arg2	arginase type II	-1.15	6.090775684	9.89E-05	1.63E-02
13179	Dcn	decorin	-1.15	5.832235083	9.69E-05	1.61E-02
15446	Hpgd	hydroxyprostaglandin dehydrogenase 15 (NAD)	-1.14	6.298523577	9.35E-04	4.88E-02
21826	Thbs2	thrombospondin 2	-1.12	4.941072601	2.46E-05	7.08E-03
69729	2410003L11Rik	RIKEN cDNA 2410003L11 gene	-1.11	4.249625646	5.32E-04	3.71E-02
207181	Rbms3	RNA binding motif, single stranded interacting protein	-1.10	4.165173616	7.51E-04	4.33E-02
23890	Gpr34	G protein-coupled receptor 34	-1.09	4.352939343	7.18E-04	4.29E-02
21462	Tcp10b	t-complex protein 10b	-1.07	3.624356448	4.82E-04	3.53E-02
12832	Col5a2	collagen, type V, alpha 2	-1.07	3.707903125	9.68E-04	4.95E-02
70839	P2ry12	purinergic receptor P2Y, G-protein coupled 12	-1.06	6.517722946	4.14E-04	3.33E-02

15446	Hpgd	hydroxyprostaglandin dehydrogenase 15 (NAD)	-1.05	7.18330542	1.37E-04	1.96E-02
240327	Gm4951	predicted gene 4951	-1.03	6.081612512	2.90E-04	2.79E-02
16639	Klra8	killer cell lectin-like receptor, subfamily A, member 8	-1.02	5.142812688	2.82E-04	2.79E-02
14293	Fpr1	formyl peptide receptor 1	-1.02	9.460863327	1.08E-04	1.72E-02
71862	Gpr160	G protein-coupled receptor 160	-1.02	7.778451628	5.63E-06	3.28E-03
19395	Rasgrp2	RAS, guanyl releasing protein 2	-1.01	6.893987601	3.00E-05	7.84E-03