

Supplementary Table S3. Marker gene expression in eWAT for adipogenesis-, angiogenesis-, hypoxia-, and inflammation-related processes between OxR and Control mice.

Gene symbol	Gene name/marker	FC	P-value
Adipogenesis			
<i>Pparg</i>	peroxisome proliferator activated receptor gamma	1.1	0.32
<i>Slc2a4</i>	solute carrier family 2 (facilitated glucose transporter), member 4; a.k.a. Glucose transporter 4 (<i>Glut4</i>)	1.2	0.55
<i>Zfp423</i>	zinc finger protein 423	-1.1	0.62
Angiogenesis			
<i>Angpt1</i>	angiopoietin 1	-1.1	0.34
<i>Angpt2</i>	angiopoietin 2	1.3	0.10
<i>Epcam</i>	epithelial cell adhesion molecule	-1.2	0.49
<i>Flt1</i>	FMS-like tyrosine kinase 1	1.1	0.22
<i>Kdr</i>	kinase insert domain protein receptor	1.1	0.36
<i>Tie1</i>	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	1.0	0.69
<i>Vcam1</i>	vascular cell adhesion molecule 1	-1.1	0.32
<i>Vegfa</i>	vascular endothelial growth factor A	1.2	0.24
<i>Vegfb</i>	vascular endothelial growth factor B	1.1	0.38
Hypoxia			
<i>Slc2a1</i>	solute carrier family 2 (facilitated glucose transporter), member 1; a.k.a. Glucose transporter 1 (<i>Glut1</i>)	1.2	0.40
<i>Spp1</i>	Secreted phosphoprotein 1; a.k.a. Osteopontin (<i>Opn</i>)	-1.1	0.74
Inflammation			
<i>Adgre1</i>	adhesion G protein-coupled receptor E1; a.k.a. F4/80	n.d.	
<i>Arg1</i>	arginase, liver; M2 macrophage marker	1.2	0.37
<i>Ccl2</i>	chemokine (C-C motif) ligand 2	1.2	0.21
<i>Cybb</i>	cytochrome b-245, beta polypeptide; a.k.a. <i>Nox2</i>	1.0	0.73
<i>Il1</i>	interleukin 1 complex	n.d.	
<i>Il6</i>	interleukin 6	1.4	0.06
<i>Itgam</i>	integrin alpha M; a.k.a. CD11b	1.2	0.22
<i>Itgax</i>	integrin alpha X; a.k.a. CD11c	1.0	0.93
<i>Mif</i>	macrophage migration inhibitory factor (glycosylation-inhibiting factor)	1.1	0.26
<i>Mmp2</i>	matrix metalloproteinase 2	1.0	0.91
<i>Mmp9</i>	matrix metalloproteinase 9	1.1	0.39
<i>Nos2</i>	nitric oxide synthase 2, inducible; M1 macrophage marker	1.1	0.41
<i>Tnf</i>	tumor necrosis factor	1.1	0.52
<i>Serpine1</i>	serine (or cysteine) peptidase inhibitor, clade E, member 1; a.k.a. PAI-1	1.1	0.73

Categorized transcripts per process were subsequently sorted based on alphabetical order. FC: fold change of oxygen restricted (OxR) group over control group; a.k.a.: also known as; n.d.: no detectable expression levels. In case multiple probes are present on the Agilent gene expression array, the one with highest FC with lowest p-value is shown.