

Table S4. The most differentially expressed genes between *EPAS1*-mutated and *EPAS1*-wildtype non-familial pheochromocytomas after transcriptome-wide gene expression analysis. Thresholds were set at $|\text{fold-change}| > 2$ and corrected P-value < 0.05 (after correction for multiple testing (Benjamini and Hochberg 1995)).

Gene Increased in <i>EPAS1</i> -mutated vs. <i>EPAS1</i> wild-type	Corrected P-value	P-value	Fold-change <i>EPAS1</i> -mutated vs. <i>EPAS1</i> wild-type	Full gene name
<i>COX4I2</i>	7.3439E-4	2.9287E-8	4.1637	Cytochrome c oxidase subunit IV isoform 2
<i>EBF2</i>	9.7277E-4	7.7586E-8	2.5008	Early B-cell factor 2
<i>TMEM51-AS1 KAZN</i>	0.0013	1.6023E-7	2.4917	TMEM51 antisense RNA 1 Kazrin, periplakin interacting protein
<i>GJC1</i>	0.0048	7.7026E-7	2.5726	Gap junction protein, gamma 1, 45kDa
<i>NOX4</i>	0.0130	2.6000E-6	2.3867	NADPH oxidase 4
<i>TM4SF18</i>	0.0160	4.9055E-6	2.5321	Transmembrane 4 L six family member 18
<i>KDR</i>	0.0160	7.6198E-6	2.5322	Kinase insert domain receptor (a type III receptor tyrosine kinase)
<i>FOLH1 FOLH1B</i>	0.0160	6.8085E-6	3.0216	Folate hydrolase (prostate-specific membrane antigen) 1 Folate hydrolase 1B
<i>RNU6-797P</i>	0.0160	6.2279E-6	2.3648	RNA, U6 small nuclear 797, pseudogene
<i>RNU6-628P</i>	0.0160	7.1664E-6	2.8111	RNA, U6 small nuclear 628, pseudogene
<i>FOLH1B</i>	0.0166	9.2418E-6	2.7249	Folate hydrolase 1B
<i>LAYN</i>	0.0191	1.2569E-5	4.1699	Layilin
<i>RNU6-445P</i>	0.0241	1.9825E-5	2.0204	RNA, U6 small nuclear 445, pseudogene
<i>LDB2</i>	0.0248	2.1728E-5	2.5547	LIM domain binding 2
<i>ANGPT2</i>	0.0296	3.6622E-5	3.9294	Angiopoietin 2
<i>HOXD10</i>	0.0305	4.1414E-5	2.4586	Homeobox D10
<i>RNU6-851P</i>	0.0305	3.9685E-5	2.1021	RNA, U6 small nuclear 851, pseudogene
<i>RNU6-1052P</i>	0.0305	4.2379E-5	3.8514	RNA, U6 small nuclear 1052, pseudogene
<i>RASGRP3</i>	0.0327	5.0807E-5	2.3541	RAS guanyl releasing protein 3 (calcium and DAG- regulated)
<i>GNAI4</i>	0.0327	5.0343E-5	3.1343	Guanine nucleotide binding protein (G protein), alpha 14
<i>POPDC2 COX17</i>	0.0393	7.1160E-5	2.0555	Popeye domain containing 2 Cytochrome c oxidase copper chaperone
<i>ESM1</i>	0.0438	9.2953E-5	3.6199	Endothelial cell-specific molecule 1
<i>PLVAP</i>	0.0493	1.1477E-4	2.0572	Plasmalemma vesicle associated protein
Gene Decreased in <i>EPAS1</i> -mutated vs. <i>EPAS1</i> wild-type	Corrected P-value	P-value	Fold-change <i>EPAS1</i> -mutated vs. <i>EPAS1</i> wild-type	Full gene name
<i>NCAM2</i>	0.0160	4.1302E-6	-4.1213	Neural cell adhesion molecule 2
<i>C1orf51</i>	0.0393	7.3743E-5	-2.5854	Chromosome 1 open reading frame 51
<i>PNMT</i>	0.0422	8.4098E-5	-9.6142	Phenylethanolamine N-methyltransferase
<i>HCN1</i>	0.0442	9.8813E-5	-4.0527	Hyperpolarization activated cyclic nucleotide-gated potassium channel 1