



Supplementary Item 1: Differentially expressed genes at the DEV vs. CON time.

Gene Name	Gene ID	Fold Change	p-value
filamin A interacting protein 1-like; GIP130a, GIP90	FILIP1L	-2.36	0.0001
MAS-related GPR, member F; Gprotien couple receptor RTA	MRGPRF	<-100	0.0003
general transcription factor IIA, 1-like	GTF2A1L	>100	0.0053
protein kinase, AMP-activated, alpha 2 catalytic subunit	PRKAA2	-4.09	0.0061
synaptojanin 2 binding protein; activin receptor interacting protein 5	SYNJ2BP	<-100	0.0069
chromogranin A (parathyroid secretory protein 1)	CHGA	<-100	0.0078
amiloride-sensitive cation channel 1, neuronal (degenerin)	ACCN1	>100	0.0080
cytochrome P450 2C92	CYP2C92	>100	0.0129
selenoprotein X 1	SEPX1	2.48	0.0129
aryl hydrocarbon receptor interacting protein	AIP	-4.34	0.0133
lumican; keratan sulfate proteoglycan lumican	LUM	-2.32	0.0138
histamine receptor H4	HRH4	>100	0.0138
cytochrome P450, family 19, subfamily A, polypeptide 1	CYP19A1	<-100	0.0143
pancreatic lipase	PNLIP	>100	0.0153
serpin peptidase inhibitor, clade B (ovalbumin), member 10	SERPINB10	2.19	0.0158
opsin 1 (cone pigments), long-wave-sensitive	OPN1LW	>100	0.0161
hyaluronan and proteoglycan link protein 1	HAPLN1	<-100	0.0162
lipopolysaccharide-induced TNF factor	LITAF	2.15	0.0210
ADAM metallopeptidase with thrombospondin type 1 motif, 4	ADAMTS4	>100	0.0217
serotonin transporter; solute carrier family 6 member 4	5HTT	-3.37	0.0219
5-hydroxytryptamine (serotonin) receptor 4, G protein-coupled	HTR4	>100	0.0229
CD1E1 CD1e1 molecule	CD1E1	<-100	0.0238
tryptophan hydroxylase 2	TPH2	<-100	0.0242
transient receptor potential cation channel, subfamily V, member 5	TRPV5	<-100	0.0249
solute carrier family 4, anion exchanger, member 1	SLC4A1	>100	0.0250
calcium-sensing receptor; parathyroid cell calcium-sensing receptor	CASR	>100	0.0262
solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	SLC11A1	<-100	0.0281
nuclear receptor subfamily 5, group A, member 1	NR5A1	>100	0.0294
solute carrier family 5 (inositol transporters), member 3	SLC5A3	<-100	0.0320
caspase 3, apoptosis-related cysteine peptidase	CASP3	2.18	0.0355

aryl hydrocarbon receptor nuclear translocator-like	ARNTL	>100	0.0356
estrogen receptor 1	ESR1	>100	0.0357
matrix metalloproteinase 1 (interstitial collagenase)	MMP1	<-100	0.0381
killer cell lectin-like receptor	LY49C	<-100	0.0390
Fc fragment of IgE, low affinity II, receptor for (CD23)	FCER2	>100	0.0419
endothelin receptor type A	EDNRA	<-100	0.0420
IFND1 interferon delta 1	IFND1	>100	0.0423
CD1c molecule; T-cell surface glycoprotein CD1c	CD1C	>100	0.0466
crystallin, alpha A	CRYAA	<-100	0.0467
defensin, alpha, 17; Paneth cell-specific alpha-defensin 17	DEFA17	>100	0.0495

*** Large fold change (Fc) values (either negative or positive) were obtained for some genes due to the fact that the value 0.001 was used in place of 0 for samples in which expression was undetectable via RNA Seq to allow for mathematical analysis of the results; >100 (for increases in Fc) or <-100 (for decreases in Fc) are used for genes in which this was performed.*