

Supplementary Table 3: Gene transcripts differentially expressed by sex*

Gene symbol	P value	LS mean (females)	LS mean (males)	Ratio	Fold change
<i>Gene transcripts up-regulated in females</i>					
S100A8	0.032	7.30	5.74	2.95	2.95
CCDC144A	0.024	6.23	5.00	2.35	2.35
CSN1S1	0.048	4.40	3.21	2.28	2.28
MEDAG	0.039	7.33	6.20	2.18	2.18
TREML5P	0.005	4.35	3.35	2.00	2.00
ITGBL1	0.049	9.14	8.22	1.88	1.88
CD68	0.038	9.81	8.90	1.88	1.88
CSNK2A3	0.025	5.38	4.48	1.87	1.87
SPDYE5	0.045	6.13	5.23	1.86	1.86
MIR329-1	0.022	5.48	4.65	1.78	1.78
UST	0.040	6.24	5.47	1.71	1.71
ZDBF2	0.028	6.01	5.25	1.68	1.68
MIR374B	0.047	2.80	2.05	1.67	1.67
USP32P1	0.043	5.16	4.45	1.63	1.63
DSC2	0.023	5.92	5.23	1.62	1.62
RNU7-22P	0.007	4.15	3.47	1.61	1.61
CRYZ	0.049	6.79	6.11	1.59	1.59
MIR1180	0.009	5.08	4.42	1.58	1.58
SNORA36B	0.018	5.43	4.78	1.56	1.56
SNORD121A	0.029	2.43	1.81	1.54	1.54
LINC00709	0.027	3.10	2.49	1.53	1.53
NSUN6	0.041	5.72	5.12	1.52	1.52
YEATS2-AS1	0.026	3.32	2.72	1.52	1.52
DRAM2	0.035	6.22	5.63	1.51	1.51
RASGEF1B	0.043	5.63	5.04	1.50	1.50

*Duplicate, uncharacterized and non-annotated gene transcripts were removed

Gene symbol	P value	LS mean (females)	LS mean (males)	Ratio	Fold change
<i>Gene transcripts down-regulated in females</i>					
SLPI	0.013	5.32	6.84	0.35	-2.88
SFRP2	0.041	4.90	6.12	0.43	-2.34
MIR4655	0.010	3.77	4.78	0.49	-2.02
MIR548S	0.005	1.36	2.27	0.53	-1.88
RNU7-49P	0.034	4.68	5.56	0.54	-1.84
CEACAM5	0.028	2.88	3.75	0.55	-1.83
HCG22	0.007	3.90	4.68	0.58	-1.72
MIR4436A	0.050	3.64	4.40	0.59	-1.69
MTRNR2L4	0.050	2.68	3.42	0.60	-1.67
MIR4729	0.042	2.76	3.48	0.61	-1.64
PODXL	0.032	5.44	6.15	0.61	-1.64
THRB-AS1	0.039	3.47	4.18	0.61	-1.63
CYP2C8	0.037	2.97	3.67	0.61	-1.63
DPPA2	0.003	2.22	2.92	0.61	-1.63
RNU6-78P	0.028	2.43	3.13	0.62	-1.62
RNY3P2	0.042	2.48	3.18	0.62	-1.62
LINC00086	0.031	4.17	4.86	0.62	-1.61
OR5D14	0.024	4.03	4.71	0.62	-1.61
MROH9	0.023	2.16	2.85	0.62	-1.61
LINC00280	0.045	3.87	4.55	0.62	-1.60
MIR609	0.044	4.54	5.22	0.63	-1.60
RNA5SP496	0.032	2.43	3.11	0.63	-1.60
FAM27E3	0.020	3.49	4.15	0.63	-1.58
MIR4640	0.012	3.50	4.16	0.63	-1.58
RNA5SP81	0.032	2.07	2.72	0.64	-1.57
XXYLT1-AS2	0.014	3.31	3.96	0.64	-1.57
YME1L1	0.035	3.02	3.66	0.64	-1.56
CYP4Z2P	0.026	1.89	2.53	0.64	-1.56
POM121L2	0.003	3.61	4.24	0.64	-1.56
TRBV7-8	0.011	1.85	2.48	0.64	-1.55
SERPINF2	0.050	3.83	4.45	0.65	-1.53
OR7E2P	0.024	3.99	4.60	0.65	-1.53
RNU6ATAC5P	0.028	5.07	5.67	0.66	-1.52
TXNDC8	0.040	3.35	3.95	0.66	-1.52
GBP7	0.012	2.79	3.40	0.66	-1.52
MIR133B	0.013	4.05	4.65	0.66	-1.52
LINC00410	0.043	3.42	4.00	0.67	-1.50
OR9A2	0.003	2.74	3.32	0.67	-1.50