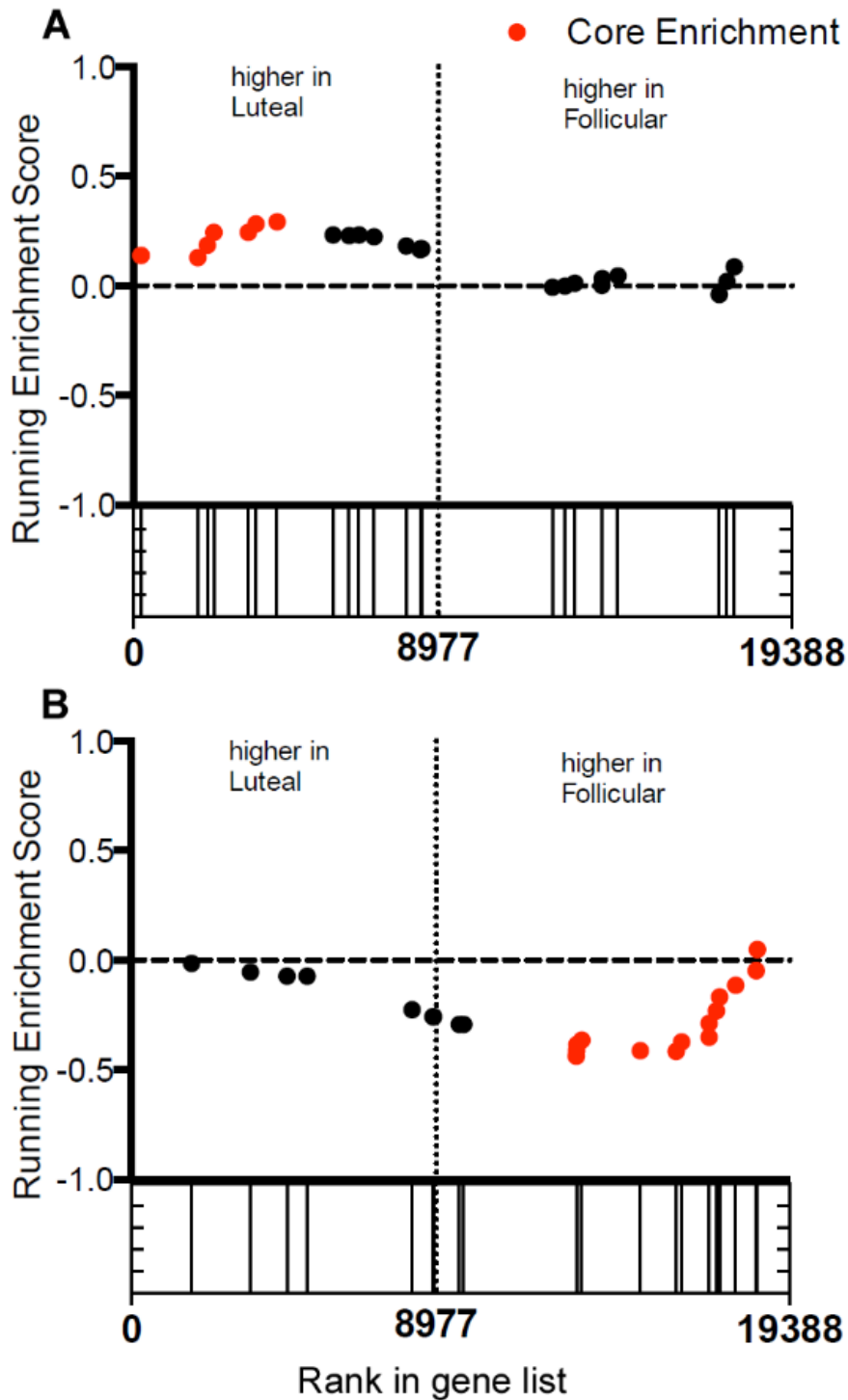


Supplemental Figure 1. Biological functions and pathways associated with menstrual cycle phase as determined by both genomic and proteomic analyses. The grouped bar chart represents the side-by-side comparison of overlapping immune-related pathways found to be significantly associated with both the genomic and proteomic data sets. Gene ontology and pathway associations were determined using The Database for Annotation, Visualization and Integrated Discovery (DAVID, v6.7) and Qiagen's Ingenuity Pathway Analysis software. Right-tailed Fisher's Exact Tests were used to calculate the probability that the association between each protein in the data set and the biological function or pathway was random. Significant pathway criteria: $p < 0.05$ and a minimum of two proteins associated. (Blue = proteomic data, Red = genomic data)



Supplemental Figure 2. GSEA plots of proteins differentially expressed (DE) in the luteal (A) and follicular (B) phase, determined by proteomic analyses. To examine the overlap between the gene and protein expression levels, we created corresponding gene sets of the DE proteins enriched in the two phases; we then used GSEA to see if those DE protein gene sets were enriched in either phase in the gene expression data. Gene expression is ranked from luteal to follicular and GSEA determines the distribution of the gene set within that ranking.

Supplemental Table 1. Macaque IDs and dates of birth

No.	Macaque ID	Date of Birth
1	CN19	5/23/2000
2	CV85	9/20/2000
3	FJ26	2/27/2001
4	DD33	3/30/2001
5	PHQ1	2/11/1999
6	PPK1	12/10/1996
7	PCg1	5/19/1995
8	96PO61	10/27/1996
9	PBm1	8/5/1997
10	PZm1	10/20/1997
11	PKg2	10/4/2004
12	PPy1	2001
13	96pO47	9/26/1996
14	PDT1	2/13/2000
15	PKI2	8/27/2005
16	POH2	6/5/2005
17	PVI2	10/12/2005
18	96P014	?*
19	96P017	1/1/2005
20	96P025	5/15/1996
21	96P052	10/19/1996
22	96P058	10/25/1996
23	96P061	10/27/1996
24	97P053	9/26/1997
25	97P056	?*
26	TC4	1/1/1991
27	TD6	12/1/1996

*birthdate unknown.

Supplemental Table 2. Genes upregulated in the luteal phase (statistical threshold: at least 1.5 fold change; $p < 0.05$)¹ = log₂ ratio (fold change); ² = fold change luteal phase/follicular phase.

Probesets	Gene symbol	p-value	q-value	Log ₂ ¹	Fold change ²
MmugDNA.78.1.S1_at	---	0.0002	0.02427	2.692	6.46
MmugDNA.21514.1.S1_at	---	0.0001	0.02128	2.118	4.342
MmugDNA.24040.1.S1_at	---	0.00132	0.04387	2.007	4.019
MmuSTS.912.1.S1_at	---	0.001	0.03969	1.708	3.267
MmugDNA.24178.1.S1_at	---	0.00407	0.06287	1.531	2.891
MmuSTS.799.1.S1_at	---	0.0124	0.0927	1.461	2.754
MmugDNA.33299.1.S1_at	---	0.00032	0.02708	1.299	2.461
MmugDNA.37382.1.S1_s_at	---	0	0.00289	1.282	2.431
MmugDNA.42612.1.S1_at	---	0.00069	0.03444	1.278	2.425
MmuAffx.161.1.S1_at	---	0	0.00459	1.254	2.385
MmugDNA.26374.1.S1_at	---	0.00174	0.04837	1.238	2.358
MmugDNA.20112.1.S1_at	---	0.0005	0.03174	1.214	2.32
MmugDNA.21276.1.S1_at	---	0.00112	0.0417	1.173	2.255
MmugDNA.28048.1.S1_at	---	0.00119	0.04233	1.138	2.2
MmuSTS.442.1.S1_at	---	0.00188	0.0495	1.13	2.188
MmugDNA.42676.1.S1_at	---	0.00138	0.04439	1.056	2.08
MmuSTS.355.1.S1_at	---	0.01253	0.09291	1.038	2.053
MmugDNA.19808.1.S1_at	---	0.0001	0.02128	1.01	2.014
MmunewRS.830.1.S1_at	---	0.00826	0.08035	1.009	2.012
MmugDNA.24059.1.S1_at	---	0.01432	0.09772	1.009	2.012
MmugDNA.43308.1.S1_at	---	0.00345	0.05998	0.992	1.989
MmugDNA.14000.1.S1_at	---	0.00004	0.0173	0.984	1.978

MmugDNA.31537.1.S1_at	---	0.00313	0.05803	0.972	1.962
MmugDNA.34336.1.S1_at	---	0.00012	0.02174	0.939	1.918
MmuSTS.4436.1.S1_at	---	0.01225	0.09225	0.93	1.906
MmugDNA.15470.1.S1_at	---	0.0006	0.03328	0.903	1.869
MmugDNA.7164.1.S1_at	---	0.00621	0.0721	0.9	1.866
MmugDNA.8941.1.S1_at	---	0.00154	0.0466	0.898	1.863
MmugDNA.14881.1.S1_at	---	0.0024	0.05304	0.892	1.856
MmugDNA.10813.1.S1_at	---	0.00008	0.02043	0.891	1.854
MmuSTS.4301.1.S1_at	---	0.00012	0.02174	0.886	1.848
MmugDNA.4915.1.S1_at	---	0.0141	0.09713	0.868	1.825
MmugDNA.41390.1.S1_at	---	0.0026	0.05416	0.86	1.815
MmunewRS.923.1.S1_at	---	0.00062	0.03338	0.86	1.815
MmugDNA.31222.1.S1_at	---	0.00193	0.05011	0.846	1.797
MmugDNA.35626.1.S1_at	---	0.00165	0.04748	0.835	1.784
MmugDNA.39117.1.S1_at	---	0.00474	0.06616	0.82	1.766
MmugDNA.33527.1.S1_s_at	---	0.00142	0.0449	0.815	1.759
MmugDNA.20245.1.S1_at	---	0.00239	0.05296	0.809	1.751
MmugDNA.14738.1.S1_at	---	0.00007	0.01932	0.802	1.744
Mmu.1530.1.S1_at	---	0.00308	0.05782	0.796	1.737
MmugDNA.30.1.S1_at	---	0.00306	0.05765	0.795	1.735
MmugDNA.27738.1.S1_at	---	0.00039	0.02948	0.79	1.729
MmugDNA.27266.1.S1_at	KLHL24	0.00222	0.05182	0.796	1.736
MmuSTS.743.1.S1_at	---	0.00799	0.07953	0.782	1.719
MmuSTS.1633.1.S1_at	---	0.00216	0.0515	0.773	1.709
MmugDNA.8498.1.S1_at	---	0.00023	0.02533	0.761	1.695
MmugDNA.8563.1.S1_at	---	0.0002	0.02427	0.76	1.693
MmugDNA.10390.1.S1_at	---	0.00004	0.0173	0.759	1.693
MmugDNA.31881.1.S1_at	---	0.00108	0.04128	0.739	1.669
MmugDNA.2024.1.S1_at	---	0.00533	0.06856	0.731	1.66
MmugDNA.37838.1.S1_at	---	0.00041	0.03009	0.728	1.656
MmugDNA.3074.1.S1_at	---	0.00715	0.07648	0.727	1.655
MmuSTS.3964.1.S1_at	---	0.00006	0.01876	0.721	1.648
MmunewRS.934.1.S1_at	---	0.00036	0.02857	0.721	1.648
MmugDNA.37541.1.S1_at	---	0.00399	0.06241	0.714	1.64
MmugDNA.31632.1.S1_at	---	0.00036	0.02863	0.71	1.636
MmuSTS.993.1.S1_at	---	0.00517	0.06795	0.709	1.635
MmugDNA.749.1.S1_at	KLHL24	0.00065	0.0337	0.761	1.695
MmugDNA.19147.1.S1_at	---	0.00831	0.08049	0.702	1.626
MmuSTS.3512.1.S1_at	---	0.0006	0.03328	0.698	1.623
MmugDNA.18305.1.S1_at	---	0.00002	0.01234	0.69	1.614
MmugDNA.18428.1.S1_at	---	0.00127	0.04361	0.687	1.61
MmuSTS.1455.1.S1_at	---	0.00259	0.05416	0.685	1.608
MmugDNA.41711.1.S1_at	---	0.00623	0.07219	0.684	1.607
MmugDNA.33190.1.S1_at	---	0.00012	0.02174	0.679	1.601
MmugDNA.22341.1.S1_at	---	0.00367	0.06085	0.668	1.589
MmugDNA.27538.1.S1_at	---	0.00425	0.06363	0.652	1.572
MmugDNA.20758.1.S1_at	---	0.00603	0.07127	0.649	1.568

MmugDNA.28945.1.S1_at	---	0.0011	0.04151	0.649	1.568
MmugDNA.10626.1.S1_at	---	0.00984	0.08546	0.644	1.562
MmuSTS.1354.1.S1_at	---	0.00075	0.03513	0.641	1.56
MmugDNA.499.1.S1_at	---	0.00187	0.04933	0.635	1.553
MmugDNA.14545.1.S1_at	---	0.00762	0.07818	0.635	1.553
MmugDNA.35626.1.S1_s_at	---	0.00074	0.03513	0.624	1.541
MmuSTS.943.1.S1_at	---	0.00222	0.05182	0.624	1.541
MmugDNA.17932.1.S1_at	---	0.01084	0.0884	0.621	1.538
MmugDNA.3222.1.S1_at	---	0.0026	0.05416	0.62	1.536
MmugDNA.2942.1.S1_at	---	0.00009	0.02128	0.619	1.536
MmuSTS.1537.1.S1_at	---	0.00831	0.08049	0.617	1.534
MmugDNA.26712.1.S1_at	---	0.00426	0.06363	0.615	1.531
MmugDNA.10752.1.S1_at	---	0.0026	0.05416	0.613	1.53
Mmu.891.1.S1_at	---	0.00311	0.05799	0.612	1.528
MmuSTS.1036.1.S1_at	---	0.00123	0.0429	0.608	1.524
MmugDNA.12195.1.S1_at	---	0.01137	0.08983	0.599	1.515
MmugDNA.5560.1.S1_at	---	0.00011	0.02128	0.596	1.511
MmugDNA.39120.1.S1_s_at	---	0.00128	0.04361	0.596	1.511
MmugDNA.19732.1.S1_s_at	---	0.00343	0.05978	0.595	1.511
MmugDNA.13314.1.S1_at	---	0.00426	0.06363	0.593	1.508
MmugDNA.2946.1.S1_at	---	0.00227	0.05205	0.593	1.508
MmuSTS.2940.1.S1_at	ABCA6	0.00691	0.07551	0.602	1.518
MmuSTS.2655.1.S1_at	ABCA8	0.00101	0.03992	1.869	3.654
MmugDNA.7507.1.S1_at	ABCA9	0.00039	0.02946	1.002	2.003
MmugDNA.23356.1.S1_at	ABCA9	0.00149	0.04574	0.921	1.894
MmugDNA.25.1.S1_at	ABHD2	0.00028	0.02641	0.609	1.526
MmugDNA.32072.1.S1_at	ABHD2	0.00028	0.02652	0.594	1.51
MmugDNA.31234.1.S1_at	ABI3BP	0.00044	0.03075	1.175	2.258
MmuSTS.3850.1.S1_at	ABI3BP	0.00427	0.06375	0.645	1.564
MmugDNA.7137.1.S1_s_at	ACSM3	0.00248	0.05334	1.088	2.126
MmugDNA.35810.1.S1_at	ADORA2B	0.00003	0.01665	0.652	1.571
MmugDNA.35141.1.S1_at	AFAP1	0.00675	0.07501	0.599	1.515
MmugDNA.9587.1.S1_at	AKAP1	0	0.00791	0.621	1.538
MmuSTS.443.1.S1_at	AKAP1	0	0.00791	0.618	1.535
MmugDNA.24544.1.S1_at	KLHL24	0.00112	0.04163	0.729	1.658
MmuSTS.839.1.S1_at	KLHL24	0.00023	0.02554	0.7	1.625
MmugDNA.4900.1.S1_s_at	AMY2A /// AMY2B	0.0049	0.06689	0.593	1.508
MmugDNA.39955.1.S1_at	ANK3	0.00334	0.05941	0.653	1.573
MmugDNA.35189.1.S1_at	ANTXR1	0.00169	0.0481	0.85	1.802
MmugDNA.31898.1.S1_s_at	APOE	0.00012	0.02174	1.115	2.165
MmugDNA.17966.1.S1_x_at	APOE	0.0005	0.03174	0.648	1.566
MmugDNA.14575.1.S1_at	ARHGAP42	0.00853	0.08096	0.705	1.63
MmugDNA.21971.1.S1_at	ASAH1	0.00059	0.03328	0.754	1.686
MmugDNA.27404.1.S1_at	BBIP1	0.00599	0.0711	0.591	1.506
MmugDNA.27249.1.S1_at	BEND7	0.00064	0.0337	0.811	1.755

MmugDNA.23290.1.S1_at	BMF	0.00421	0.06353	0.627	1.544
MmugDNA.31043.1.S1_at	CABLES1	0.00876	0.0818	0.751	1.683
MmugDNA.23575.1.S1_at	CACHD1	0.00028	0.02641	0.794	1.733
MmuSTS.3280.1.S1_at	CACNA2D2	0.00059	0.03328	0.599	1.515
MmugDNA.15454.1.S1_at	NKG2D	0.00052	0.03223	0.621	1.538
MmugDNA.18138.1.S1_at	CLDN7	0.00923	0.08363	0.806	1.749
MmugDNA.27669.1.S1_at	CMAH	0.01045	0.08733	0.826	1.772
MmugDNA.5086.1.S1_at	CMBL	0.0009	0.03865	0.588	1.503
MmugDNA.22373.1.S1_at	CPEB1	0.00614	0.07176	0.695	1.619
MmugDNA.8405.1.S1_at	CRISPLD2	0.0002	0.02435	1.949	3.861
MmuSTS.3552.1.S1_x_at	CST1 /// CST2	0.00361	0.06061	1.003	2.005
MmuSTS.3552.1.S1_at	CST2	0.01016	0.08655	1.177	2.261
MmugDNA.22170.1.S1_at	CTHRC1	0.01468	0.09851	1.435	2.704
MmuSTS.3973.1.S1_at	CTSK	0.00701	0.07596	1.141	2.206
Mmu.14519.1.S1_at	CTSK	0.00599	0.07111	1.096	2.137
MmuSTS.2298.1.S1_at	DFNA5	0.00129	0.04361	1.556	2.941
MmugDNA.5488.1.S1_at	DHRS3	0.0002	0.02427	0.885	1.846
MmugDNA.37076.1.S1_at	DPYSL3	0.00625	0.07231	0.89	1.853
MmugDNA.38676.1.S1_at	DSG2	0.00501	0.06735	0.652	1.572
MmugDNA.14350.1.S1_at	ENTPD1	0.00001	0.01009	1.266	2.404
MmugDNA.10251.1.S1_at	ENTPD1	0.00006	0.01861	1.204	2.303
MmugDNA.7394.1.S1_s_at	ENTPD1	0	0.00791	0.986	1.981
MmuSTS.2870.1.S1_at	EPCAM	0.00099	0.03952	0.958	1.942
MmugDNA.22309.1.S1_at	EPHB1	0.0031	0.05794	1.268	2.409
MmuSTS.910.1.S1_at	ETNK2	0.00233	0.05238	0.697	1.621
MmugDNA.19399.1.S1_at	FAM113B	0.00011	0.0215	0.706	1.631
MmugDNA.9766.1.S1_at	FAM189A2	0.00164	0.04741	1.001	2.001
MmugDNA.28804.1.S1_at	FAM83A	0.00779	0.07867	1.018	2.025
MmugDNA.8327.1.S1_at	CDKL1	0.00275	0.05519	0.673	1.594
MmuSTS.1969.1.S1_at	LOC717581	0.00053	0.03224	0.757	1.69
MmunewRS.702.1.S1_s_at	FOXA1	0.00024	0.02569	1.278	2.425
MmugDNA.30579.1.S1_at	FOXP1	0.00006	0.01913	0.593	1.508
MmugDNA.30462.1.S1_at	MECOM	0.00285	0.05615	0.702	1.627
MmugDNA.30464.1.S1_at	MECOM	0.00786	0.07909	0.657	1.577
MmugDNA.9557.1.S1_s_at	GABARAPL 1	0.00237	0.0528	0.636	1.554
Mmu.3418.2.S1_at	GABARAPL 1	0.00952	0.08456	0.611	1.528
MmugDNA.9557.1.S1_at	GABARAPL 1	0.00308	0.0578	0.592	1.508
MmuSTS.4815.1.S1_at	GABRP	0.00071	0.03483	1.874	3.665
MmugDNA.7882.1.S1_at	GALNTL2	0.00056	0.0331	2.274	4.836
MmugDNA.32444.1.S1_at	GALNTL2	0.00022	0.02533	1.468	2.766
MmugDNA.41267.1.S1_at	GAS1	0.00617	0.07194	0.85	1.802
MmuSTS.4208.1.S1_at	GCNT3	0.00322	0.05868	1.303	2.467

MmugDNA.26219.1.S1_at	RASL11B	0.00099	0.03952	0.736	1.666
MmugDNA.29740.1.S1_at	---	0.00002	0.01442	0.661	1.581
MmuSTS.4834.1.S1_at	GLI1	0.00019	0.02427	0.592	1.507
Mmu.6556.1.S1_at	GLIPR1	0.00794	0.0794	0.6	1.515
MmugDNA.43116.1.S1_at	GPNMB	0.00295	0.05686	0.73	1.659
MmuSTS.2497.1.S1_at	GPX2	0.00013	0.0224	0.852	1.805
MmugDNA.28256.1.S1_at	GTF2A2	0.00055	0.03284	0.645	1.564
MmugDNA.20518.1.S1_at	HEG1	0.00004	0.0173	0.904	1.871
MmugDNA.15362.1.S1_at	HEG1	0.00016	0.02405	0.795	1.736
MmugDNA.20693.1.S1_at	---	0.00613	0.07169	1.281	2.43
MmugDNA.31936.1.S1_at	HGF	0.00552	0.06922	0.626	1.543
MmugDNA.25181.1.S1_at	HSD17B6	0.0045	0.06495	0.817	1.761
MmuSTS.3908.1.S1_at	SOX4	0.00019	0.02427	1.1	2.143
MmugDNA.2760.1.S1_at	SOX4	0.00028	0.02641	0.891	1.854
MmugDNA.30977.1.S1_at	SOX4	0.00389	0.06186	0.703	1.628
MmugDNA.42471.1.S1_at	IKZF1	0.01002	0.08598	0.594	1.51
MmugDNA.21912.1.S1_at	SOX9	0.00211	0.05111	1.276	2.422
MmugDNA.9085.1.S1_at	SOX9	0.00535	0.06861	1.152	2.223
MmugDNA.33495.1.S1_at	WDR72	0.00044	0.03075	2.703	6.512
MmugDNA.3801.1.S1_at	WDR72	0.00048	0.03157	2.657	6.307
MmugDNA.13969.1.S1_at	WDR72	0.00077	0.0356	2.541	5.819
Mmu.666.1.S1_at	KCNJ2	0.00145	0.04534	0.734	1.663
MmuSTS.1392.1.S1_at	KCNJ2	0.00139	0.04442	0.663	1.583
MmugDNA.21726.1.S1_at	KIAA1644	0.00076	0.03539	0.957	1.941
MmugDNA.18070.1.S1_s_at	KLF9	0.00351	0.06034	0.939	1.917
MmugDNA.18070.1.S1_at	KLF9	0.003	0.05721	0.848	1.8
MmugDNA.40625.1.S1_at	FZD7	0.00311	0.05799	0.76	1.694
MmuSTS.4424.1.S1_at	FZD7	0.00186	0.04924	0.629	1.546
MmugDNA.26848.1.S1_s_at	FGFR2	0.00876	0.0818	0.596	1.511
MmugDNA.42853.1.S1_at	FGFR2	0.00295	0.05688	0.592	1.507
MmugDNA.10668.1.S1_at	KLK2 /// KLK3	0.00107	0.04121	1.786	3.449
MmugDNA.17170.1.S1_at	KLK2 /// KLK3	0.01336	0.09524	0.89	1.853
MmuSTS.1353.1.S1_at	KLK2 /// KLK3	0.0059	0.07069	0.645	1.564
MmugDNA.5012.1.S1_at	L3MBTL4	0.00313	0.05803	0.636	1.554
MmuSTS.4828.1.S1_at	GFI1	0.00037	0.02889	0.665	1.585
MmuSTS.2537.1.S1_at	IGFBP3	0.01066	0.08769	0.98	1.972
MmugDNA.7729.1.S1_at	IGFBP3	0.01035	0.08723	0.875	1.834
Mmu.11638.2.S1_at	IGFBP3	0.01514	0.09976	0.865	1.821
MmugDNA.5604.1.S1_at	LOC100130 175	0.00007	0.01996	0.831	1.779
MmugDNA.4580.1.S1_at	LOC100130 175	0.0023	0.05225	0.64	1.558
MmugDNA.19195.1.S1_at	LOC100425 521	0.00169	0.0481	0.586	1.501

MmugDNA.20569.1.S1_at	LOC100428 470 /// LOC703527	0.00542	0.06895	0.974	1.965
MmuSTS.2641.1.S1_at	LOC100429 735	0.00592	0.07079	0.791	1.73
MmuSTS.4572.1.S1_at	LOC100430 470	0.0003	0.02674	0.596	1.512
MmugDNA.20504.1.S1_at	LOC100506 992	0.00818	0.08018	0.628	1.545
MmugDNA.24630.1.S1_s_at	LOC696059	0.00109	0.04136	0.601	1.517
MmugDNA.28007.1.S1_at	LOC696781	0.00106	0.04097	0.638	1.557
MmugDNA.38818.1.S1_at	LOC699977	0.01018	0.08659	0.749	1.68
MmugDNA.35052.1.S1_at	LOC700181	0.00001	0.00903	1.486	2.8
MmugDNA.35051.1.S1_at	LOC700181	0.00107	0.04121	1.06	2.085
MmugDNA.38796.1.S1_s_at	LOC700181	0.00195	0.0502	0.905	1.872
Mmu.6559.1.S1_s_at	LOC701387	0.00926	0.08378	0.591	1.506
MmugDNA.24894.1.S1_at	LOC703527	0.00679	0.07519	0.667	1.588
MmugDNA.6257.1.S1_at	LOC706392	0.00003	0.01453	0.7	1.625
MmuSTS.2793.1.S1_at	LOC706830	0.00009	0.02128	0.799	1.74
MmugDNA.41808.1.S1_at	LOC707609 /// LOC708249	0.007	0.07596	0.649	1.568
Mmu.9527.1.S1_s_at	LOC708206	0.00603	0.07127	1.331	2.515
MmugDNA.17081.1.S1_at	LOC708206	0.00853	0.08096	0.82	1.765
MmugDNA.20455.1.S1_at	LOC708681	0.00038	0.02908	0.814	1.758
MmugDNA.37113.1.S1_at	LOC709063	0.00668	0.07454	1.084	2.12
MmugDNA.41992.1.S1_at	LOC709786	0.00222	0.05182	1.06	2.084
MmugDNA.40627.1.S1_s_at	LOC710234	0.00007	0.01972	0.59	1.505
MmugDNA.29002.1.S1_at	LOC710290	0.0121	0.09186	0.678	1.6
MmugDNA.27645.1.S1_at	LOC710801	0.00092	0.03865	1.791	3.46
MmugDNA.30147.1.S1_at	LOC711075	0.00224	0.05187	0.646	1.565
MmugDNA.40096.1.S1_at	LOC711299	0.00044	0.03075	0.783	1.72

MmugDNA.39596.1.S1_at	LOC711796	0.00411	0.06299	0.664	1.585
MmuSTS.2263.1.S1_at	LOC712795	0.00361	0.06061	0.977	1.969
MmugDNA.13426.1.S1_at	LOC712844	0.00153	0.04655	0.62	1.537
MmugDNA.27976.1.S1_at	LOC716250	0.008	0.07956	1.066	2.094
MmugDNA.39552.1.S1_at	LOC716250	0.01322	0.09493	0.747	1.678
MmugDNA.21142.1.S1_at	LTBP1	0.01265	0.09321	0.586	1.501
MmugDNA.27968.1.S1_at	LOC719422	0.0034	0.05978	0.665	1.586
MmugDNA.11976.1.S1_s_at	LOC721986	0.00034	0.02802	0.664	1.584
MmugDNA.18170.1.S1_at	LOC90499	0.00218	0.05168	1.222	2.333
MmugDNA.14543.1.S1_at	LRRN1	0.00988	0.08554	1.021	2.03
MmugDNA.39168.1.S1_at	PDGFC	0.00031	0.02692	0.712	1.638
MmugDNA.21143.1.S1_at	MAOA	0.00393	0.06209	0.592	1.508
MmugDNA.1162.1.S1_at	MARCKSL1	0.00323	0.05868	0.697	1.621
MmugDNA.37743.1.S1_at	PDGFC	0.00003	0.01453	0.626	1.543
MmugDNA.272.1.S1_at	HGF	0.00312	0.05803	0.822	1.768
MmugDNA.33073.1.S1_at	MECOM	0.0123	0.09239	0.705	1.63
MmuSTS.153.1.S1_at	MEIS2	0.00001	0.00903	0.989	1.984
MmugDNA.20110.1.S1_at	MERTK	0.00086	0.03788	0.622	1.539
MmugDNA.13139.1.S1_at	MGC42157	0.00019	0.02427	0.67	1.591
MmugDNA.41157.1.S1_at	MGP	0.01256	0.093	0.833	1.782
MmugDNA.38667.1.S1_at	THRB	0.00024	0.02575	0.789	1.728
MmugDNA.19730.1.S1_at	THRB	0.00004	0.01751	0.778	1.715
MmuSTS.2880.1.S1_at	THRB	0.00025	0.02575	0.678	1.6
MmugDNA.26441.1.S1_at	ITGA2	0.00605	0.0713	0.709	1.634
MmugDNA.20568.1.S1_s_at	ITGB1	0.00506	0.06751	0.602	1.518
MmugDNA.14310.1.S1_at	ALCAM	0.00834	0.08053	0.907	1.875
MmugDNA.29582.1.S1_at	MRPS12	0.00129	0.04361	0.744	1.674
MmugDNA.28501.1.S1_at	MUM1L1	0.00233	0.05238	1.048	2.068
MmugDNA.37873.1.S1_at	MYLK	0.0143	0.09772	1.129	2.187
MmugDNA.4606.1.S1_at	MYLK-AS1	0.00906	0.08312	0.632	1.55
MmugDNA.27879.1.S1_at	N4BP2L1	0.00426	0.06363	0.627	1.544
MmugDNA.36836.1.S1_at	NFASC	0.00316	0.05837	0.89	1.854
MmugDNA.11424.1.S1_at	NFASC	0.00537	0.06875	0.849	1.801
MmugDNA.21308.1.S1_at	NHS	0.00002	0.01442	0.94	1.918
MmugDNA.33592.1.S1_at	NHS	0.0001	0.02128	0.932	1.908
MmugDNA.14309.1.S1_at	ALCAM	0.00831	0.08049	0.877	1.836
MmuSTS.4646.1.S1_at	NTN4	0.00026	0.0258	1.432	2.698
MmugDNA.24910.1.S1_at	NTRK3	0.00011	0.0215	1.148	2.216
MmugDNA.38159.1.S1_at	NTRK3	0.00411	0.06299	0.751	1.682
MmugDNA.17854.1.S1_at	NTRK3	0.00114	0.04188	0.714	1.64
MmugDNA.40533.1.S1_at	NTRK3	0.00535	0.06861	0.692	1.615

MmugDNA.8743.1.S1_at	NUAK1	0.00059	0.03328	0.618	1.535
MmugDNA.34386.1.S1_at	OCIAD2	0.0064	0.07314	0.676	1.598
Mmu.9771.1.S1_at	OMD	0.0072	0.07662	1.086	2.124
MmugDNA.17909.1.S1_at	OMD	0.00499	0.06735	0.965	1.953
MmugDNA.17828.1.S1_at	OSR1	0.00073	0.03506	1.312	2.483
MmuSTS.2010.1.S1_at	PCDH20	0.00074	0.03513	0.925	1.899
MmugDNA.3319.1.S1_at	PCED1B- AS1	0.0004	0.02948	0.599	1.515
MmugDNA.26477.1.S1_at	JUN	0.01362	0.09572	0.618	1.535
MmuSTS.684.1.S1_at	IL7R	0.00762	0.07818	0.794	1.733
MmugDNA.2889.1.S1_at	PDCD4	0.01185	0.0911	0.592	1.507
MmugDNA.8010.1.S1_at	IL7R	0.00409	0.06296	0.782	1.719
Mmu.15359.1.S1_s_at	LEPR	0.00021	0.02435	1.405	2.648
MmugDNA.5926.1.S1_at	PGM2L1	0.00368	0.06085	0.764	1.698
MmugDNA.31648.1.S1_at	PID1	0.00033	0.02745	1.054	2.077
MmugDNA.25594.1.S1_at	PIK3C2G	0.01217	0.09212	0.715	1.642
MmugDNA.8354.1.S1_at	PIK3IP1	0.00087	0.03805	0.865	1.821
MmugDNA.6732.1.S1_at	PLXDC1	0.01258	0.09309	0.867	1.824
MmugDNA.6770.1.S1_at	PNMAL1	0.00777	0.07863	0.609	1.525
MmuSTS.2392.1.S1_at	PPP1R1B	0.00006	0.01913	1.52	2.868
MmugDNA.24399.1.S1_at	PTGIS	0.00016	0.02375	1.803	3.49
MmugDNA.13626.1.S1_at	PTGIS	0.0001	0.02128	1.51	2.848
MmugDNA.4055.1.S1_at	PTGIS	0.00006	0.01861	1.21	2.313
MmugDNA.12036.1.S1_at	PTPRC	0.01129	0.08967	0.643	1.561
MmugDNA.43193.1.S1_at	LEPR	0.00131	0.04375	1.396	2.632
MmugDNA.14519.1.S1_s_at	LEPR	0.0127	0.09336	1.313	2.485
Mmu.5677.4.S1_at	LEPR	0.00284	0.05614	1.241	2.364
MmuSTS.1298.1.S1_at	RBM20	0.00003	0.01545	1.472	2.773
MmuSTS.1748.1.S1_at	RNF152	0.00017	0.02427	1.047	2.066
MmugDNA.24334.1.S1_at	RNF207	0.00085	0.03741	0.64	1.558
MmugDNA.11064.1.S1_at	ROGDI	0.00001	0.00833	0.62	1.537
MmuSTS.2360.1.S1_at	S100A1	0.00005	0.0186	1.131	2.19
MmugDNA.16098.1.S1_at	SCML4	0.00024	0.02569	0.688	1.611
MmugDNA.39706.1.S1_at	SCML4	0.00706	0.07627	0.593	1.508
MmugDNA.37863.1.S1_at	SCN2A	0.00791	0.07928	0.886	1.848
MmuSTS.3217.1.S1_at	SDC4	0.00021	0.02435	0.599	1.514
MmugDNA.5004.1.S1_at	SEMA5A	0.00005	0.01849	0.866	1.823
MmugDNA.40631.1.S1_at	SEMA5A	0.00002	0.01442	0.864	1.82
MmugDNA.20442.1.S1_at	SEMA6A	0.00189	0.04959	0.829	1.776
MmugDNA.31438.1.S1_at	SEPP1	0.00595	0.07092	0.723	1.65
MmugDNA.33316.1.S1_at	SEPP1	0.00288	0.05633	0.634	1.552
MmugDNA.18538.1.S1_s_at	SERPINI1	0.00054	0.03275	0.697	1.621
MmugDNA.42149.1.S1_at	SESTD1	0.0042	0.06346	0.647	1.566
MmugDNA.22148.1.S1_at	SH2D1B	0.00016	0.02375	0.612	1.529
MmugDNA.11746.1.S1_at	SLC12A8 /// ZNF148	0	0.00258	1.532	2.891

MmuSTS.4379.1.S1_at	SLC16A7	0.00095	0.03937	0.666	1.587
MmugDNA.43364.1.S1_at	SLC16A7	0.00221	0.05182	0.618	1.534
MmuSTS.2805.1.S1_at	SLC35F3	0.00001	0.00993	0.833	1.781
MmugDNA.24421.1.S1_at	TET1	0.00054	0.03275	0.647	1.566
MmugDNA.30184.1.S1_at	MMP14	0.00569	0.07002	0.769	1.704
MmuSTS.1507.1.S1_at	MMP14	0.00572	0.07011	0.685	1.607
MmuSTS.1520.1.S1_at	MMP2	0.00154	0.0466	1.257	2.39
MmuSTS.2992.1.S1_at	MMP28	0.00001	0.00898	1.477	2.785
MmugDNA.385.1.S1_at	SP4	0.00202	0.05062	0.705	1.631
MmugDNA.34917.1.S1_at	SPHKAP	0.00042	0.03022	1.954	3.873
MmugDNA.21602.1.S1_at	SPSB1	0.0134	0.09527	0.626	1.544
MmugDNA.39545.1.S1_at	ST6GALNAC 2	0.00012	0.02174	0.764	1.698
MmugDNA.37336.1.S1_at	STMN2	0.00385	0.06178	1.524	2.876
MmugDNA.24738.1.S1_at	STMN2	0.01153	0.09023	1.276	2.421
MmugDNA.40984.1.S1_at	STON1	0.00022	0.02488	0.974	1.965
MmugDNA.9563.1.S1_at	STON1- GTF2A1L	0.00063	0.03338	0.701	1.626
MmugDNA.24916.1.S1_at	SVOPL	0.01296	0.09407	0.72	1.647
MmugDNA.6916.1.S1_at	MMP28	0.00026	0.02575	0.97	1.959
MmugDNA.41431.1.S1_at	TFCP2L1	0.00041	0.03002	1.677	3.197
MmugDNA.13892.1.S1_at	TFCP2L1	0.00139	0.04439	1.438	2.71
MmugDNA.22230.1.S1_s_at	MMP28	0.00054	0.03275	0.686	1.608
MmugDNA.17550.1.S1_at	RARB	0	0.00258	1.675	3.194
MmuSTS.3105.1.S1_at	RARB	0	0.00258	1.497	2.822
Mmu.10451.1.S1_at	GDF6	0.00002	0.01234	0.747	1.678
MmugDNA.5095.1.S1_at	TGIF1	0.00182	0.04902	0.591	1.507
MmuSTS.3996.1.S1_s_at	TGFB2	0.00115	0.042	0.928	1.903
MmugDNA.5059.1.S1_at	TGFB2	0.0025	0.05355	0.843	1.794
MmugDNA.25731.1.S1_at	TGFB2	0.01114	0.0893	0.806	1.749
MmugDNA.19950.1.S1_at	THSD7A	0.00966	0.08508	0.959	1.944
MmugDNA.36279.1.S1_at	TINAGL1	0.00166	0.04758	0.8	1.741
MmugDNA.19488.1.S1_at	TMEM30B	0.00034	0.02801	0.753	1.685
MmugDNA.5830.1.S1_at	TMOD1	0.00904	0.08312	0.589	1.504
MmugDNA.29242.1.S1_at	ZNF337	0.00018	0.02427	1.073	2.104
MmugDNA.5333.1.S1_at	TNIK	0.00006	0.01917	1.071	2.101
Mmu.12187.1.S1_at	TNIK	0.0003	0.02674	0.862	1.818
MmugDNA.14737.1.S1_at	TNIK	0	0.00791	0.707	1.633
MmugDNA.28110.1.S1_at	TNIK	0.00051	0.03204	0.695	1.619
MmugDNA.14964.1.S1_at	TOX2	0.0007	0.03459	0.613	1.53
MmugDNA.31842.1.S1_s_at	TOX3	0.00465	0.06603	0.844	1.795
MmugDNA.10743.1.S1_at	TSC22D3	0.0007	0.03444	0.672	1.594
MmugDNA.18490.1.S1_at	TSPAN18	0.00163	0.04741	0.659	1.579
MmugDNA.37942.1.S1_at	TSPAN18	0.00221	0.05182	0.643	1.561
MmugDNA.6931.1.S1_at	TSPAN8	0.00663	0.07434	0.716	1.643
MmugDNA.36621.1.S1_s_at	TTR	0.00641	0.07317	0.902	1.868
Mmu.7507.2.S1_at	TXNIP	0.00045	0.03075	0.696	1.62

MmugDNA.31894.1.S1_at	TXNIP	0.00032	0.02708	0.677	1.599
MmugDNA.31897.1.S1_at	TXNIP	0.00062	0.03338	0.672	1.594
MmugDNA.31894.1.S1_s_at	TXNIP	0.00121	0.04267	0.64	1.558
MmugDNA.22231.1.S1_at	UPK1A	0.01133	0.08977	0.767	1.702
MmugDNA.42675.1.S1_at	TGFB2	0.00969	0.08513	0.801	1.742
MmugDNA.18411.1.S1_at	PDCD4	0.00001	0.00883	0.701	1.625
MmuSTS.2020.1.S1_at	PDCD4	0.00006	0.01861	0.725	1.653
MmugDNA.12230.1.S1_at	XPR1	0.00753	0.0778	0.724	1.652
MmugDNA.40688.1.S1_at	ZNF235	0.00114	0.04188	0.593	1.508

Supplemental Table 3. Genes upregulated in the follicular phase (statistical threshold: at least 1.5 fold change; $p < 0.05$)¹ = log₂ ratio (fold change); ² = fold change luteal phase/follicular phase.

Probesets	Gene symbol	p-value	q-value	Log ₂ ¹	Fold change ²
MmugDNA.16407.1.S1_at	LOC696983	1.75E-07	0.00258	-3.438	-10.838
MmugDNA.32362.1.S1_at	MAFB	8.17E-06	0.00913	-0.754	-1.687
MmuSTS.1980.1.S1_at	ODZ1	1.46E-05	0.01234	-0.921	-1.893
MmugDNA.18066.1.S1_at	MGC16121	1.96E-05	0.0136	-2.566	-5.922
MmugDNA.3203.1.S1_at	STC1	2.47E-05	0.01442	-2.648	-6.267
MmugDNA.4421.1.S1_at	LOC712578	3.15E-05	0.01634	-0.828	-1.776
MmugDNA.22693.1.S1_at	VEGFA	3.73E-05	0.0173	-1.148	-2.215
MmugDNA.8918.1.S1_at	LOC717872	4.37E-05	0.01751	-1.941	-3.841
MmugDNA.16154.1.S1_at	LOC711305	5.74E-05	0.01861	-0.736	-1.665
MmugDNA.5017.1.S1_s_at	MSX2	5.49E-05	0.01861	-1.059	-2.083
MmunewRS.99.1.S1_at	LOC698299	6.17E-05	0.01913	-1.239	-2.36
MmuSTS.3598.1.S1_s_at	CSPG5	7.32E-05	0.01996	-0.85	-1.802
MmugDNA.4494.1.S1_at	PTGS2	7.35E-05	0.01996	-0.715	-1.641
MmugDNA.3345.1.S1_at	VEGFA	7.37E-05	0.01996	-0.986	-1.98
MmugDNA.43564.1.S1_at	GABRQ	7.70E-05	0.02044	-1.31	-2.479
MmuSTS.3842.1.S1_at	---	8.05E-05	0.02053	-3.263	-9.599
MmuSTS.1547.1.S1_s_at	MSX2	8.08E-05	0.02053	-0.806	-1.748
MmugDNA.5232.1.S1_at	---	8.70E-05	0.02123	-1.405	-2.648
MmugDNA.17457.1.S1_at	---	1.02E-04	0.02128	-1.258	-2.392
MmugDNA.36848.1.S1_at	TFPI2	9.67E-05	0.02128	-2.561	-5.903
MmugDNA.20407.1.S1_at	VEGFA	1.03E-04	0.02128	-1.145	-2.212

MmugDNA.36983.1.S1_at	DIO3	1.11E-04	0.0215	-1.591	-3.013
MmunewRS.70.1.S1_at	DEFB1	1.13E-04	0.02162	-1.021	-2.03
MmugDNA.3785.1.S1_at	LOC708556	1.18E-04	0.02174	-0.943	-1.923
MmuSTS.109.1.S1_at	ASNS	1.37E-04	0.02281	-0.733	-1.662
MmuSTS.137.1.S1_at	5-Sep	1.53E-04	0.02317	-0.619	-1.535
MmugDNA.41470.1.S1_at	---	1.92E-04	0.02427	-0.679	-1.601
MmugDNA.13721.1.S1_at	---	1.94E-04	0.02427	-0.923	-1.896
MmugDNA.5710.1.S1_at	FAM59A	2.01E-04	0.02427	-0.612	-1.528
MmugDNA.11919.1.S1_at	MSX2	1.71E-04	0.02427	-0.691	-1.614
MmugDNA.5017.1.S1_at	MSX2	1.84E-04	0.02427	-0.913	-1.883
MmugDNA.34495.1.S1_at	STC1	1.91E-04	0.02427	-2.233	-4.7
MmugDNA.30303.1.S1_at	TMEM120B	1.89E-04	0.02427	-0.796	-1.737
MmugDNA.36227.1.S1_at	MGC16121 /// MIR503	2.37E-04	0.02569	-1.194	-2.287
MmuSTS.4699.1.S1_at	VEGFA	2.34E-04	0.02569	-0.807	-1.749
MmuSTS.3368.1.S1_at	LOC722330	2.46E-04	0.02575	-0.631	-1.549
MmugDNA.36784.1.S1_at	ZNF711	2.53E-04	0.02575	-0.653	-1.572
MmugDNA.21291.1.S1_at	---	2.63E-04	0.02597	-0.918	-1.89
MmugDNA.20037.1.S1_at	SRPX2	2.84E-04	0.02652	-1.723	-3.302
MmugDNA.26953.1.S1_at	---	2.97E-04	0.02669	-0.745	-1.676
MmugDNA.22655.1.S1_at	ACAP3	2.97E-04	0.02669	-0.615	-1.531
MmugDNA.27403.1.S1_at	SELE	3.07E-04	0.02689	-0.983	-1.977
Mmu.12129.1.S1_at	---	3.11E-04	0.02692	-0.72	-1.647
MmuSTS.4796.1.S1_at	FMO4	3.38E-04	0.02796	-0.691	-1.615
MmugDNA.37995.1.S1_at	NDRG1	3.55E-04	0.02857	-0.694	-1.618
MmugDNA.332.1.S1_at	---	3.61E-04	0.02866	-0.742	-1.672
MmugDNA.2249.1.S1_at	LOC721400	3.64E-04	0.02879	-0.941	-1.92
MmuSTS.1939.1.S1_at	FGF11	4.04E-04	0.02982	-0.957	-1.942
MmugDNA.14659.1.S1_at	ESM1	4.17E-04	0.03022	-1.121	-2.174
MmugDNA.10788.1.S1_at	LOC704750	4.19E-04	0.03022	-0.842	-1.792
MmugDNA.5657.1.S1_at	DIO2	4.49E-04	0.03075	-1.637	-3.109
MmugDNA.5976.1.S1_at	LOC717646	4.39E-04	0.03075	-0.768	-1.703
Mmu.12651.3.S1_at	TFPI2	4.66E-04	0.03126	-2.242	-4.73
MmugDNA.13486.1.S1_at	LOC703270	4.73E-04	0.03139	-1.728	-3.314
MmugDNA.4044.1.S1_at	THBS1	4.77E-04	0.0315	-0.741	-1.671
MmugDNA.30040.1.S1_at	CPXM2	4.83E-04	0.03157	-0.651	-1.57
MmugDNA.9830.1.S1_at	LOC717945	4.88E-04	0.03161	-1.511	-2.851
MmuSTS.4004.1.S1_at	THBS1	4.94E-04	0.03174	-1.188	-2.278
MmugDNA.17516.1.S1_at	SRPX2	5.19E-04	0.0322	-1.291	-2.447
MmuSTS.2696.1.S1_at	DIO2	5.28E-04	0.03224	-1.693	-3.233
MmuSTS.1486.1.S1_at	HK2	5.76E-04	0.03321	-1.595	-3.021
MmugDNA.11096.1.S1_at	ADAMTS17	5.80E-04	0.03324	-0.633	-1.551
MmugDNA.36333.1.S1_at	ADAMTS9-AS1	5.95E-04	0.03328	-0.991	-1.988
MmugDNA.8315.1.S1_at	DIO2	6.08E-04	0.03328	-1.672	-3.187
MmugDNA.14725.1.S1_at	CSMD2	6.28E-04	0.03338	-0.668	-1.589
MmugDNA.38053.1.S1_at	TFPI2	6.26E-04	0.03338	-2.061	-4.174
MmugDNA.563.1.S1_at	---	6.48E-04	0.0337	-0.89	-1.853

MmugDNA.21658.1.S1_at	FGF11	6.46E-04	0.0337	-0.638	-1.556
MmugDNA.5129.1.S1_at	GADD45G	6.45E-04	0.0337	-0.787	-1.726
MmugDNA.24380.1.S1_at	LOC100423631 /// VCAN	6.50E-04	0.03373	-1.205	-2.305
MmugDNA.11703.1.S1_at	DIO2	6.67E-04	0.034	-1.586	-3.003
MmuSTS.628.1.S1_at	---	6.72E-04	0.03402	-2.213	-4.637
MmuSTS.869.1.S1_at	DYSF	6.76E-04	0.03415	-0.665	-1.585
MmugDNA.18610.1.S1_at	MIR210HG	6.94E-04	0.03444	-1.112	-2.161
MmugDNA.11706.1.S1_at	DIO2	7.06E-04	0.03465	-1.253	-2.384
MmugDNA.18804.1.S1_at	ASTN2	7.17E-04	0.03492	-0.998	-1.997
MmugDNA.14736.1.S1_at	ADAMTS9	7.26E-04	0.03506	-0.65	-1.569
MmugDNA.33986.1.S1_at	SLIT2-IT1	7.37E-04	0.03506	-0.738	-1.668
MmugDNA.327.1.S1_at	---	7.52E-04	0.03513	-0.659	-1.579
MmugDNA.11408.1.S1_at	SVEP1	7.55E-04	0.03518	-1.381	-2.605
MmugDNA.27359.1.S1_at	CDH11	7.84E-04	0.03581	-0.893	-1.857
MmugDNA.821.1.S1_at	KATNAL2	7.92E-04	0.03599	-1.37	-2.585
MmugDNA.18146.1.S1_at	---	8.11E-04	0.03638	-0.589	-1.504
MmugDNA.27171.1.S1_x_at	HIST1H2BB	8.77E-04	0.03805	-1.061	-2.087
MmugDNA.24921.1.S1_at	---	9.17E-04	0.03865	-0.904	-1.872
MmugDNA.28344.1.S1_s_at	LOC703270	9.00E-04	0.03865	-1.592	-3.015
MmuSTS.1876.1.S1_at	LOC716986	9.29E-04	0.03894	-0.71	-1.636
MmugDNA.24420.1.S1_at	LOC719468	9.37E-04	0.03907	-0.647	-1.566
MmugDNA.3990.1.S1_at	SFN	9.54E-04	0.03937	-0.743	-1.674
MmugDNA.15621.1.S1_at	LOC697171	9.62E-04	0.03947	-1.353	-2.554
MmuSTS.1506.1.S1_at	MMP11	9.74E-04	0.03952	-1.192	-2.284
MmugDNA.37112.1.S1_at	ZNF330	9.88E-04	0.03952	-0.661	-1.581
MmugDNA.11432.1.S1_at	ADAM12	9.99E-04	0.03969	-1.625	-3.085
MmugDNA.31550.1.S1_at	---	1.04E-03	0.04064	-0.6	-1.516
MmugDNA.18357.1.S1_at	ORC6L	1.09E-03	0.04132	-0.595	-1.51
Mmu.13746.1.S1_at	CCL25	1.10E-03	0.04139	-1.173	-2.254
MmugDNA.9862.1.S1_at	PPP1R3B	1.11E-03	0.04163	-0.661	-1.581
MmugDNA.27171.1.S1_at	HIST1H2BB	1.16E-03	0.042	-1.12	-2.173
MmugDNA.4985.1.S1_at	LOC708451	1.16E-03	0.04201	-0.949	-1.93
MmugDNA.19623.1.S1_s_at	LOC714423 /// LOC722929 /// TUBB2B	1.17E-03	0.04208	-0.93	-1.906
MmugDNA.25754.1.S1_at	---	1.21E-03	0.04258	-1.618	-3.07
MmugDNA.13700.1.S1_at	LOC100505963	1.20E-03	0.04258	-0.591	-1.507
MmugDNA.7733.1.S1_at	IGF1	1.21E-03	0.04267	-1.679	-3.203
MmugDNA.4061.1.S1_at	IGF1	1.25E-03	0.04324	-1.807	-3.499
MmunewRS.671.1.S1_at	---	1.25E-03	0.04334	-1.038	-2.054
MmugDNA.17984.1.S1_at	LOC714408	1.29E-03	0.04361	-0.815	-1.759
MmugDNA.28597.1.S1_at	SVEP1	1.31E-03	0.04383	-1.571	-2.972
MmuSTS.4328.1.S1_at	SERPINE2	1.32E-03	0.04392	-1.494	-2.816
MmuSTS.4270.1.S1_at	GRPR	1.33E-03	0.04394	-1.479	-2.788
MmugDNA.39818.1.S1_at	TRIM72	1.33E-03	0.04394	-0.664	-1.584
MmugDNA.26190.1.S1_at	---	1.35E-03	0.04403	-0.715	-1.641

MmugDNA.4983.1.S1_at	LOC708451	1.34E-03	0.04403	-0.981	-1.974
MmugDNA.18337.1.S1_at	LOC717705	1.36E-03	0.04426	-0.791	-1.731
MmugDNA.12725.1.S1_at	TMEM158	1.38E-03	0.04435	-0.971	-1.96
MmugDNA.13770.1.S1_at	LOC708271	1.41E-03	0.0449	-0.825	-1.772
MmugDNA.703.1.S1_at	CA2	1.42E-03	0.04501	-1.868	-3.65
MmugDNA.20852.1.S1_at	CADPS	1.45E-03	0.04533	-1.786	-3.449
MmugDNA.24473.1.S1_at	---	1.58E-03	0.04721	-0.602	-1.518
MmugDNA.36519.1.S1_at	SYTL4	1.58E-03	0.04725	-0.927	-1.901
MmugDNA.7255.1.S1_at	---	1.61E-03	0.04728	-0.898	-1.863
MmugDNA.35559.1.S1_at	HIST1H1D	1.59E-03	0.04728	-0.652	-1.571
MmugDNA.4046.1.S1_at	THBS1	1.62E-03	0.04732	-1.061	-2.087
MmugDNA.19039.1.S1_at	TMPRSS3	1.62E-03	0.04732	-0.599	-1.515
MmugDNA.41205.1.S1_at	CPXM2	1.70E-03	0.0481	-1.014	-2.019
MmugDNA.39756.1.S1_at	ANK2	1.80E-03	0.04888	-0.6	-1.516
MmugDNA.4784.1.S1_at	LOC100506695 /// PHF21B	1.80E-03	0.04888	-0.915	-1.885
MmugDNA.36465.1.S1_s_at	LOC709119	1.79E-03	0.04888	-1.118	-2.17
MmugDNA.4045.1.S1_at	THBS1	1.81E-03	0.04898	-0.949	-1.931
MmugDNA.15276.1.S1_at	SVEP1	1.84E-03	0.04923	-1.435	-2.703
MmugDNA.19623.1.S1_at	LOC100426949 /// LOC714423 /// TUBB2B	1.92E-03	0.04995	-0.736	-1.665
MmugDNA.22037.1.S1_at	VCAN	1.93E-03	0.05011	-1.056	-2.079
MmugDNA.36098.1.S1_at	ANKRD37	1.98E-03	0.05041	-1.018	-2.024
MmuSTS.2038.1.S1_at	LOC696649	2.02E-03	0.05066	-0.706	-1.632
MmuSTS.2105.1.S1_s_at	---	2.09E-03	0.05094	-0.624	-1.541
MmugDNA.30662.1.S1_at	CACNA1G	2.07E-03	0.05094	-1.359	-2.566
Mmu.6061.1.S1_at	GRPR	2.10E-03	0.05109	-1.901	-3.735
MmugDNA.6483.1.S1_at	---	2.12E-03	0.05113	-0.886	-1.848
MmugDNA.38092.1.S1_at	IGF1	2.12E-03	0.05113	-1.812	-3.512
MmugDNA.36457.1.S1_at	NCKAP5	2.12E-03	0.05113	-0.607	-1.523
MmuSTS.2715.1.S1_at	HIST1H2BM	2.16E-03	0.0516	-0.728	-1.656
MmugDNA.42756.1.S1_at	---	2.27E-03	0.05205	-1.011	-2.015
MmugDNA.29315.1.S1_at	DEPDC1 HIST1H3D /// LOC100425854 /// LOC100430668 /// LOC695427	2.28E-03	0.05205	-1.236	-2.356
MmuSTS.4311.1.S1_at	/// LOC695891 /// LOC696204 /// LOC698105 /// LOC698615 /// LOC698731 /// LOC703889 /// LOC705770	2.28E-03	0.05205	-1.018	-2.025
MmugDNA.15700.1.S1_s_at	PHGDH	2.29E-03	0.05219	-0.877	-1.837
MmugDNA.38084.1.S1_s_at	LOC703270	2.31E-03	0.05225	-1.051	-2.072
MmuSTS.4328.1.S1_x_at	SERPINE2	2.31E-03	0.05226	-1.395	-2.63

MmuSTS.2710.1.S1_at	---	2.34E-03	0.05256	-1.538	-2.904
Mmu.6061.1.A1_at	---	2.36E-03	0.05273	-1.832	-3.559
MmuSTS.3432.1.S1_at	COL1A2	2.40E-03	0.05297	-1.476	-2.781
MmugDNA.18663.1.S1_at	SLIT2	2.41E-03	0.05317	-0.953	-1.936
MmugDNA.5533.1.S1_at	CDH11	2.48E-03	0.05334	-0.984	-1.978
MmugDNA.24835.1.S1_at	LOC100423631 /// VCAN	2.48E-03	0.05334	-1.2	-2.297
MmugDNA.32604.1.S1_at	LOC713186	2.46E-03	0.05334	-0.825	-1.772
MmugDNA.22333.1.S1_at	---	2.49E-03	0.0534	-0.742	-1.672
Mmu.11820.13.S1_a_at	SERPINE2	2.51E-03	0.05361	-1.397	-2.633
MmugDNA.36465.1.S1_at	LOC709119	2.54E-03	0.05383	-1.075	-2.107
MmugDNA.38084.1.S1_at	LOC703270	2.57E-03	0.05389	-1.096	-2.137
MmugDNA.38304.1.S1_at	GPR157	2.58E-03	0.05405	-1.078	-2.111
MmugDNA.8073.1.S1_at	CDC25C	2.62E-03	0.05434	-0.637	-1.555
MmugDNA.22274.1.S1_at	LOC100423631	2.76E-03	0.05519	-1.009	-2.012
MmuSTS.3830.1.S1_at	LOC718903	2.79E-03	0.0556	-0.902	-1.868
MmugDNA.41094.1.S1_at	CYP4F22	2.84E-03	0.05614	-0.731	-1.659
MmugDNA.40906.1.S1_at	DEPDC1	2.84E-03	0.05614	-0.807	-1.75
MmuSTS.415.1.S1_at	---	2.92E-03	0.05669	-1.58	-2.99
MmugDNA.25691.1.S1_at	SLC16A6	2.95E-03	0.05686	-0.645	-1.564
MmugDNA.9079.1.S1_at	C20orf46	3.05E-03	0.05765	-0.734	-1.663
MmugDNA.15212.1.S1_at	---	3.07E-03	0.05774	-1.12	-2.174
MmugDNA.15395.1.S1_s_at	CACNA1G	3.19E-03	0.05868	-0.691	-1.614
MmuSTS.3429.1.S1_at	COL12A1 HIS11H3D /// LOC100425854 /// LOC100430668 /// LOC695427 /// LOC695891 /// LOC696204 /// LOC698105 /// LOC698615 /// LOC698731 /// LOC703889 /// LOC705220	3.24E-03	0.05868	-1.281	-2.431
MmuSTS.4311.1.S1_x_at	/// LOC695891 /// LOC696204 /// LOC698105 /// LOC698615 /// LOC698731 /// LOC703889 /// LOC705220	3.26E-03	0.05889	-0.975	-1.965
MmugDNA.31327.1.S1_at	SLIT2	3.28E-03	0.059	-0.751	-1.682
MmugDNA.603.1.S1_at	RCN3	3.31E-03	0.05929	-0.802	-1.743
MmunewRS.250.1.S1_at	---	3.34E-03	0.05945	-0.649	-1.568
MmuSTS.440.1.S1_at	AGTR2	3.37E-03	0.05966	-0.944	-1.924
MmugDNA.23448.1.S1_at	KRT14 /// LOC707236	3.41E-03	0.05978	-0.86	-1.814
MmugDNA.22509.1.S1_at	LOC714408	3.41E-03	0.05978	-0.864	-1.82
MmugDNA.24837.1.S1_s_at	LOC714602	3.49E-03	0.06018	-0.929	-1.903
MmugDNA.15512.1.S1_at	GLRB	3.53E-03	0.06034	-1.176	-2.26
MmuSTS.1433.1.S1_at	KRT2	3.52E-03	0.06034	-3.577	-11.937
MmugDNA.12227.1.S1_at	PPP1R3B	3.52E-03	0.06034	-0.592	-1.508
MmuSTS.4406.1.S1_at	LOC722009	3.55E-03	0.06036	-1.422	-2.68
MmugDNA.8896.1.S1_at	FOXN1	3.56E-03	0.06039	-0.965	-1.952

MmugDNA.8731.1.S1_at	COL12A1	3.56E-03	0.06041	-0.792	-1.732
MmugDNA.23735.1.S1_at	---	3.63E-03	0.06061	-0.754	-1.687
MmugDNA.21403.1.S1_at	CDCA3	3.65E-03	0.06085	-0.753	-1.686
MmugDNA.41853.1.S1_at	FOXN1	3.66E-03	0.06085	-1.278	-2.425
MmugDNA.40338.1.S1_s_at	LOC722009	3.68E-03	0.06085	-1.353	-2.555
MmugDNA.42829.1.S1_s_at	TMEM54	3.66E-03	0.06085	-0.701	-1.626
MmugDNA.2568.1.S1_at	ADAM12	3.72E-03	0.06121	-1.454	-2.74
MmugDNA.18785.1.S1_at	LOC100426120	3.74E-03	0.06134	-1.142	-2.208
MmugDNA.38800.1.S1_at	GJA1 HIS11H3D /// LOC100425854 /// LOC100430668 /// LOC695427 /// LOC695891 /// LOC696204 /// LOC698105 /// LOC698615 /// LOC698731 /// LOC703889 /// LOC705220	3.77E-03	0.06156	-0.611	-1.527
MmuSTS.662.1.S1_at	PERP	3.80E-03	0.06156	-0.599	-1.515
MmugDNA.1157.1.S1_at	CRYGS /// TBCCD1	3.80E-03	0.06156	-0.708	-1.634
MmuSTS.2257.1.S1_at	---	3.81E-03	0.06156	-2.11	-4.316
MmugDNA.12819.1.S1_at	---	3.84E-03	0.06178	-0.791	-1.73
MmunewRS.1070.1.S1_at	---	3.85E-03	0.06178	-1.33	-2.515
MmugDNA.32918.1.S1_at	COL12A1	3.86E-03	0.06178	-1.229	-2.345
MmugDNA.11761.1.S1_at	GREM1	3.85E-03	0.06178	-0.658	-1.578
MmugDNA.23860.1.S1_at	LOC697857	3.92E-03	0.06208	-0.586	-1.501
MmugDNA.3428.1.S1_at	SGOL2 HIS11H3D /// LOC100425854 /// LOC100430668 /// LOC695427 /// LOC695891 /// LOC696204 /// LOC698105 /// LOC698615 /// LOC698731 /// LOC703889 /// LOC705220	3.96E-03	0.06228	-0.967	-1.955
MmugDNA.1027.1.S1_at	---	3.99E-03	0.06241	-0.826	-1.773
MmugDNA.38346.1.S1_at	---	3.99E-03	0.06241	-1.25	-2.379
MmugDNA.40336.1.S1_at	LOC722009	4.08E-03	0.06289	-1.357	-2.561
MmugDNA.41450.1.S1_at	---	4.11E-03	0.06299	-0.901	-1.867
MmuSTS.3365.1.S1_at	---	4.09E-03	0.06299	-2.036	-4.1
MmuSTS.3275.1.S1_at	RRM2	4.17E-03	0.06334	-1.211	-2.315
MmugDNA.40278.1.S1_at	LOC712321	4.17E-03	0.06337	-1.08	-2.114
MmugDNA.29748.1.S1_at	MMP23B	4.19E-03	0.06339	-0.753	-1.685
MmugDNA.28128.1.S1_at	CITED4	4.21E-03	0.06353	-0.71	-1.635

Mmu.14060.1.A1_at	COL1A1	4.23E-03	0.06355	-1.393	-2.627
Mmu.10187.1.S1_at	---	4.30E-03	0.06382	-1.095	-2.136
MmugDNA.7301.1.S1_s_at	---	4.31E-03	0.06384	-0.828	-1.775
MmugDNA.37013.1.S1_at	LOC100424517	4.41E-03	0.06446	-0.593	-1.508
MmugDNA.15512.1.S1_s_at	GLRB	4.44E-03	0.06453	-1.264	-2.402
MmugDNA.33139.1.S1_at	NEFM	4.45E-03	0.06469	-0.798	-1.739
MmugDNA.28136.1.S1_at	LOX	4.52E-03	0.06501	-1.221	-2.331
MmuSTS.4094.1.S1_at	EDNRB	4.57E-03	0.06541	-0.734	-1.663
MmuSTS.4111.1.S1_at	EGF	4.60E-03	0.0657	-0.838	-1.788
	HIST1H3D ///				
	LOC100425854				
	///				
	LOC100430668				
	/// LOC695427				
MmugDNA.2184.1.S1_at	/// LOC695891	4.61E-03	0.06575	-1.101	-2.146
	/// LOC696204				
	/// LOC698105				
	/// LOC698615				
	/// LOC698731				
	/// LOC703889				
	/// LOC705220				
MmugDNA.38268.1.S1_at	AFF3	4.63E-03	0.06586	-1.133	-2.194
MmuSTS.4231.1.S1_at	---	4.65E-03	0.06603	-1.351	-2.551
MmugDNA.2512.1.S1_at	LOC695836	4.65E-03	0.06603	-0.697	-1.622
MmugDNA.15302.1.S1_s_at	FAM162A	4.72E-03	0.06606	-0.625	-1.542
MmugDNA.9906.1.S1_at	HIST1H1B	4.73E-03	0.06606	-0.876	-1.836
	LOC100424162				
MmuSTS.2954.1.S1_at	/// LOC719283	4.72E-03	0.06606	-2.015	-4.041
	/// LOC722990				
MmuAffx.23.8.S1_s_at	SERPINE2	4.82E-03	0.0663	-1.201	-2.299
MmuSTS.4445.1.S1_at	LOC702153	4.88E-03	0.06684	-1.912	-3.764
MmugDNA.35863.1.S1_at	LOC704204	4.89E-03	0.06685	-1.637	-3.11
MmugDNA.33991.1.S1_at	ELOVL6	5.01E-03	0.06735	-0.755	-1.688
MmugDNA.18871.1.S1_at	DLGAP2	5.03E-03	0.06741	-0.93	-1.905
MmugDNA.2684.1.S1_at	LOC721007	5.05E-03	0.06751	-0.718	-1.645
MmugDNA.9304.1.S1_at	C7H15orf52	5.12E-03	0.06757	-0.836	-1.785
MmuSTS.3607.1.S1_at	CDH11	5.11E-03	0.06757	-0.966	-1.953
MmugDNA.15862.1.S1_at	CKS2	5.12E-03	0.06757	-0.614	-1.53
MmuAffx.23.13.S1_s_at	H19	5.09E-03	0.06757	-0.938	-1.915
MmugDNA.34995.1.S1_s_at	COL1A1	5.27E-03	0.06828	-0.663	-1.584
MmugDNA.29771.1.S1_at	ZNF681	5.26E-03	0.06828	-0.708	-1.634

	HIST1H3D ///				
	LOC100425854				
	///				
	LOC100430668				
	/// LOC695427				
MmugDNA.29213.1.S1_at	/// LOC695891	5.31E-03	0.06847	-0.891	-1.854
	/// LOC696204				
	/// LOC698105				
	/// LOC698615				
	/// LOC698731				
	/// LOC703889				
	/// LOC705220				
MmugDNA.16852.1.S1_at	LTB4R	5.31E-03	0.06847	-0.699	-1.623
MmugDNA.35444.1.S1_x_at	CST5	5.37E-03	0.06875	-0.673	-1.594
MmugDNA.408.1.S1_at	HIST1H2BC	5.40E-03	0.06879	-0.609	-1.526
	HIST1H2AD ///				
MmugDNA.17111.1.S1_at	HIST1H2AE ///	5.43E-03	0.06896	-0.683	-1.605
	LOC697977				
MmugDNA.21026.1.S1_at	TCERG1L	5.44E-03	0.06896	-1.072	-2.102
MmugDNA.36138.1.S1_at	CAMK2D	5.49E-03	0.06916	-0.652	-1.571
MmugDNA.27683.1.S1_at	ADAMTS2	5.54E-03	0.06929	-1.181	-2.267
MmugDNA.7448.1.S1_at	NEIL3	5.59E-03	0.06947	-1.038	-2.053
MmugDNA.11429.1.S1_at	LYPD6B	5.78E-03	0.07037	-0.72	-1.647
	FAM84A ///				
MmugDNA.21019.1.S1_at	LOC712089	5.83E-03	0.07039	-0.865	-1.821
MmugDNA.19527.1.S1_s_at	SOHLH2	5.88E-03	0.07063	-0.887	-1.849
MmugDNA.10186.1.S1_at	CASC5	5.90E-03	0.07066	-0.986	-1.981
MmugDNA.43588.1.S1_at	CENPW	5.91E-03	0.07072	-0.888	-1.851
MmugDNA.2768.1.S1_at	NUF2	5.91E-03	0.07072	-0.902	-1.869
MmugDNA.14253.1.S1_at	---	5.96E-03	0.07096	-0.768	-1.703
MmugDNA.39863.1.S1_at	SKA1	6.03E-03	0.07127	-0.987	-1.982
MmugDNA.13155.1.S1_at	LOC100423631	6.08E-03	0.07152	-1.073	-2.104
MmugDNA.37390.1.S1_at	CDCA3	6.10E-03	0.07155	-0.716	-1.643
MmugDNA.37656.1.S1_at	DSG1	6.11E-03	0.07168	-1.513	-2.854
MmugDNA.41888.1.S1_at	UGT8	6.15E-03	0.07181	-1.012	-2.017
MmugDNA.41865.1.S1_at	PCOLCE	6.26E-03	0.07231	-1.226	-2.34
MmuSTS.2698.1.S1_at	HIST1H2BH	6.37E-03	0.07292	-0.589	-1.505
MmugDNA.8928.1.S1_at	---	6.39E-03	0.07307	-0.727	-1.655
MmuSTS.3242.1.S1_at	LOC100426120	6.46E-03	0.07349	-1.143	-2.208
MmugDNA.28897.1.S1_at	LOC721010	6.47E-03	0.07349	-0.782	-1.719
MmugDNA.17143.1.S1_x_at	LOC697469	6.50E-03	0.07351	-0.663	-1.584
MmugDNA.22311.1.S1_at	---	6.60E-03	0.0742	-0.696	-1.621
MmugDNA.40939.1.S1_at	---	6.63E-03	0.07434	-0.771	-1.707
MmugDNA.27864.1.S1_at	COL12A1	6.67E-03	0.07453	-1.102	-2.146
MmugDNA.12384.1.S1_at	---	6.73E-03	0.0749	-0.654	-1.573
MmugDNA.25585.1.S1_at	---	6.77E-03	0.07507	-0.641	-1.559
MmunewRS.328.1.S1_at	LOC719353	6.78E-03	0.0751	-0.971	-1.96
MmuSTS.1558.1.S1_at	MELK	6.80E-03	0.07523	-0.836	-1.786
MmugDNA.22390.1.S1_at	SLC7A11	6.81E-03	0.07526	-0.816	-1.761

MmuSTS.2742.1.S1_at	ADAMTS9	6.84E-03	0.07529	-0.762	-1.696
Mmu.2091.5.S1_a_at	MAMU-AG	6.86E-03	0.07541	-0.728	-1.656
MmuSTS.3541.1.S1_at	NOD2	6.87E-03	0.07541	-0.77	-1.705
MmugDNA.35993.1.S1_at	KRT2B	7.00E-03	0.07596	-2.091	-4.261
MmuSTS.4722.1.S1_at	TRIP13	7.11E-03	0.07646	-0.633	-1.551
MmugDNA.3377.1.S1_at	---	7.13E-03	0.07647	-0.855	-1.809
MmugDNA.14959.1.S1_at	CDK1	7.17E-03	0.07648	-0.934	-1.911
MmugDNA.31405.1.S1_at	LOC700889	7.25E-03	0.0769	-0.739	-1.669
MmugDNA.2848.1.S1_at	LOC703270	7.26E-03	0.077	-0.593	-1.509
MmuSTS.751.1.S1_at	---	7.31E-03	0.07704	-0.732	-1.661
MmugDNA.38711.1.S1_at	---	7.32E-03	0.07705	-0.65	-1.569
MmugDNA.40349.1.S1_at	LOC720779	7.36E-03	0.07725	-0.782	-1.72
MmuSTS.3246.1.S1_at	BTG3	7.41E-03	0.07751	-0.659	-1.579
MmuSTS.3431.1.S1_at	---	7.46E-03	0.07772	-1.095	-2.136
MmugDNA.12450.1.S1_x_at	LOC100428875	7.45E-03	0.07772	-0.595	-1.511
MmuSTS.3388.1.S1_at	PAPPA2	7.50E-03	0.07775	-0.613	-1.529
MmugDNA.26867.1.S1_at	XG	7.50E-03	0.07775	-0.598	-1.513
MmugDNA.33823.1.S1_s_at	KIAA0101	7.54E-03	0.07785	-1.314	-2.487
MmugDNA.11770.1.S1_at	LOC704204	7.64E-03	0.07819	-1.517	-2.862
MmunewRS.439.1.S1_at	TMEM26	7.67E-03	0.07828	-0.68	-1.602
MmugDNA.31369.1.S1_at	RRM2	7.68E-03	0.07834	-1.157	-2.23
MmugDNA.13584.1.S1_at	KIF23	7.72E-03	0.07842	-0.762	-1.696
MmugDNA.16146.1.S1_at	ANK1	7.76E-03	0.07863	-1.01	-2.014
	HIST1H4A ///				
	HIST1H4B ///				
	HIST1H4C ///				
	HIST1H4D ///				
	HIST1H4E ///				
	HIST1H4F ///				
MmugDNA.17835.1.S1_at	HIST1H4H ///	7.79E-03	0.07867	-0.643	-1.561
	HIST1H4I ///				
	HIST1H4J ///				
	HIST1H4K ///				
	HIST1H4L ///				
	HIST2H4A ///				
	HIST2H4B ///				
	HIST1H4I ///				
MmuSTS.713.1.S1_at	---	7.83E-03	0.07895	-0.757	-1.69
MmugDNA.39057.1.S1_at	CLEC11A	7.86E-03	0.07909	-0.665	-1.586
MmugDNA.31655.1.S1_at	HIST1H1A	7.97E-03	0.07948	-0.67	-1.591
MmugDNA.26358.1.S1_at	HIST1H2AK	8.01E-03	0.07956	-0.788	-1.727
MmugDNA.19607.1.S1_at	---	8.11E-03	0.07991	-0.819	-1.764
MmugDNA.32413.1.S1_at	KIF18A	8.17E-03	0.08013	-0.971	-1.96
MmugDNA.22787.1.S1_at	UBE2T	8.18E-03	0.08018	-0.648	-1.567
MmugDNA.26517.1.S1_at	FAM84A	8.28E-03	0.08038	-0.662	-1.583
MmugDNA.38031.1.S1_at	ST8SIA2	8.36E-03	0.08053	-0.618	-1.534
MmugDNA.5375.1.S1_at	UNC93A	8.35E-03	0.08053	-0.711	-1.636
MmugDNA.19189.1.S1_at	DDX58	8.36E-03	0.08054	-0.679	-1.601
MmugDNA.9321.1.S1_at	PCSK6	8.37E-03	0.08055	-0.595	-1.511

MmugDNA.14976.1.S1_at	CDH11	8.44E-03	0.08077	-0.867	-1.824
MmugDNA.40392.1.S1_at	LUM	8.45E-03	0.08079	-1.15	-2.219
MmuSTS.4185.1.S1_at	---	8.51E-03	0.08096	-0.957	-1.941
MmugDNA.7319.1.S1_at	OVOL1	8.70E-03	0.08166	-0.659	-1.579
MmugDNA.189.1.S1_at	IGFBP5	8.73E-03	0.08173	-0.729	-1.657
MmugDNA.34796.1.S1_at	C10orf99	8.74E-03	0.08175	-1.693	-3.232
MmugDNA.17972.1.S1_at	---	8.81E-03	0.08204	-0.98	-1.973
MmugDNA.38558.1.S1_at	PEG10	8.83E-03	0.08206	-1.833	-3.564
MmugDNA.26913.1.S1_at	---	8.85E-03	0.08214	-0.851	-1.804
MmuSTS.1928.1.S1_at	LOC712321	8.87E-03	0.08227	-1.204	-2.303
MmugDNA.25384.1.S1_at	LOC707320 /// UBE2C	8.94E-03	0.08257	-0.929	-1.904
MmugDNA.42834.1.S1_at	---	9.10E-03	0.08316	-0.618	-1.535
	HIS1H3D /// LOC100425854 /// LOC100430668 /// LOC695427 /// LOC695891 /// LOC696204 /// LOC698105 /// LOC698615 /// LOC698731 /// LOC703889 /// LOC705220				
MmuSTS.4309.1.S1_at		9.12E-03	0.08316	-1.031	-2.043
MmugDNA.24523.1.S1_at	CDC42	9.24E-03	0.08371	-0.741	-1.672
MmugDNA.289.1.S1_at	ARMC3	9.33E-03	0.08391	-0.647	-1.566
MmugDNA.23691.1.S1_at	LTB4R2	9.48E-03	0.08446	-0.626	-1.543
MmugDNA.22878.1.S1_at	DAPL1	9.52E-03	0.08458	-0.747	-1.678
MmugDNA.9453.1.S1_at	---	9.56E-03	0.08475	-1.351	-2.552
MmuSTS.637.1.S1_at	IL1F9	9.66E-03	0.08508	-1.827	-3.547
MmugDNA.27916.1.S1_at	LOC100507472 /// PCSK6	9.73E-03	0.08525	-0.713	-1.639
MmugDNA.16301.1.S1_at	LPIN3	9.76E-03	0.08525	-0.605	-1.521
MmugDNA.42888.1.S1_at	IGFBP5	9.82E-03	0.08542	-0.784	-1.722
MmugDNA.1213.1.S1_at	---	9.84E-03	0.08546	-0.867	-1.824
MmugDNA.11735.1.S1_at	DDX58	9.86E-03	0.08548	-0.829	-1.776
MmugDNA.3353.1.S1_at	LOC344887	9.86E-03	0.08548	-0.868	-1.825
MmuSTS.1534.1.S1_at	KIF20A	9.94E-03	0.08572	-0.752	-1.684
MmugDNA.34480.1.S1_at	IGFBP5	1.01E-02	0.08617	-0.649	-1.568
MmugDNA.4631.1.S1_at	---	1.03E-02	0.08696	-0.98	-1.972
MmugDNA.18602.1.S1_s_at	PSAT1	1.03E-02	0.08696	-0.767	-1.702
MmugDNA.35444.1.S1_at	CST5	1.04E-02	0.08723	-0.804	-1.746
MmugDNA.23996.1.S1_at	COL1A2	1.05E-02	0.08748	-0.666	-1.586
MmugDNA.21696.1.S1_at	LOC714824	1.05E-02	0.08749	-0.589	-1.504
MmugDNA.11073.1.S1_at	ATP13A4	1.06E-02	0.08752	-0.67	-1.591
MmugDNA.28419.1.S1_at	KRT14 /// LOC707236	1.06E-02	0.08758	-1.784	-3.445
MmugDNA.26445.1.S1_at	COL1A1	1.07E-02	0.08775	-0.739	-1.669

MmugDNA.10337.1.S1_at	NKAIN1	1.07E-02	0.08793	-0.597	-1.512
MmugDNA.29029.1.S1_at	NDUFA4L2	1.08E-02	0.08819	-1.496	-2.821
MmugDNA.21868.1.S1_at	EMILIN3	1.09E-02	0.08879	-0.744	-1.675
MmugDNA.11557.1.S1_at	NCAPG	1.10E-02	0.08891	-0.685	-1.607
MmuSTS.3220.1.S1_at	MYBL1	1.10E-02	0.08898	-0.819	-1.764
MmugDNA.39450.1.S1_at	LOC713391	1.11E-02	0.08906	-0.94	-1.918
MmugDNA.2666.1.S1_at	ADAMTS2	1.11E-02	0.08914	-1.193	-2.287
MmugDNA.23496.1.S1_at	CENPA	1.11E-02	0.08914	-0.636	-1.554
MmuSTS.1579.1.S1_at	IFIT1	1.11E-02	0.0893	-0.898	-1.863
MmuSTS.3767.1.S1_at	AADAC	1.12E-02	0.0895	-1.955	-3.876
MmuSTS.2164.1.S1_at	LOC696598	1.12E-02	0.0895	-1.095	-2.136
MmugDNA.42890.1.S1_at	IGFBP5	1.14E-02	0.08983	-0.667	-1.587
MmugDNA.35334.1.S1_at	JPH1	1.15E-02	0.09003	-0.874	-1.833
MmugDNA.19418.1.S1_at	LOC714282	1.15E-02	0.09003	-1.68	-3.204
MmugDNA.13208.1.S1_at	---	1.15E-02	0.09004	-1.043	-2.061
MmugDNA.42549.1.S1_at	---	1.15E-02	0.09006	-0.655	-1.574
MmugDNA.28603.1.S1_at	IL36RN	1.15E-02	0.09012	-2.024	-4.067
MmugDNA.23517.1.S1_at	FAM65C	1.19E-02	0.09122	-0.738	-1.668
MmugDNA.19373.1.S1_at	---	1.20E-02	0.09139	-1.316	-2.49
	HIS1H3D ///				
	LOC100425854				
	///				
	LOC100430668				
	/// LOC695427				
MmuSTS.4310.1.S1_at	/// LOC695891	1.20E-02	0.09144	-0.917	-1.888
	/// LOC696204				
	/// LOC698105				
	/// LOC698615				
	/// LOC698731				
	/// LOC703889				
	/// LOC705220				
MmugDNA.15115.1.S1_s_at	FLJ43489	1.20E-02	0.09159	-0.76	-1.694
MmugDNA.29093.1.S1_at	FILIP1L	1.20E-02	0.0916	-0.698	-1.622
MmugDNA.1001.1.S1_s_at	ANK1	1.22E-02	0.09221	-0.887	-1.849
MmugDNA.13771.1.S1_at	LOC708271	1.22E-02	0.09222	-0.717	-1.643
MmugDNA.17164.1.S1_s_at	LOC718709	1.22E-02	0.09223	-1.451	-2.734
MmuSTS.677.1.S1_at	---	1.23E-02	0.09226	-0.624	-1.541
MmugDNA.25206.1.S1_at	CDK1 ///				
	LOC100425263	1.25E-02	0.0928	-0.868	-1.826
MmugDNA.8677.1.S1_at	---	1.25E-02	0.09286	-0.905	-1.872
MmugDNA.8182.1.S1_at	---	1.26E-02	0.09311	-0.829	-1.776
MmugDNA.31359.1.S1_at	MOGAT1	1.27E-02	0.09331	-0.715	-1.642
MmugDNA.19988.1.S1_at	SERPINA6	1.27E-02	0.09344	-0.956	-1.94
MmugDNA.26279.1.S1_at	MT4	1.31E-02	0.09451	-1.054	-2.076
MmugDNA.23472.1.S1_at	---	1.31E-02	0.09463	-0.716	-1.643
MmugDNA.7114.1.S1_at	CDCA2	1.31E-02	0.09474	-0.613	-1.53
MmugDNA.40891.1.S1_at	LOC100507226	1.32E-02	0.09474	-0.979	-1.971
MmugDNA.33915.1.S1_at	LOC715820	1.32E-02	0.09501	-0.898	-1.864
MmugDNA.20575.1.S1_at	AFF3	1.33E-02	0.09506	-0.852	-1.805

MmugDNA.27572.1.S1_at	---	1.34E-02	0.09527	-0.637	-1.556
MmugDNA.10011.1.S1_at	ESCO2	1.35E-02	0.09542	-0.98	-1.972
MmuSTS.4250.1.S1_at	RAD51AP1	1.35E-02	0.09542	-0.764	-1.698
MmugDNA.2312.1.S1_at	PKP1	1.35E-02	0.09554	-0.702	-1.627
MmuSTS.4701.1.S1_at	VIPR1	1.37E-02	0.0959	-0.687	-1.61
MmugDNA.4124.1.S1_at	CDCA5	1.38E-02	0.09629	-0.624	-1.541
MmugDNA.18469.1.S1_at	ZNF107	1.39E-02	0.09673	-0.688	-1.611
MmuSTS.632.1.S1_at	---	1.39E-02	0.0968	-0.673	-1.594
MmugDNA.451.1.S1_at	---	1.40E-02	0.09685	-1.09	-2.129
MmugDNA.7650.1.S1_at	AGTR2	1.40E-02	0.09697	-0.659	-1.579
MmugDNA.41841.1.S1_at	---	1.41E-02	0.0971	-1.118	-2.171
MmuSTS.2069.1.S1_at	RACGAP1	1.42E-02	0.09748	-0.674	-1.595
MmugDNA.21083.1.S1_at	KRT17	1.43E-02	0.0976	-1.046	-2.065
MmugDNA.29699.1.S1_at	---	1.43E-02	0.09761	-0.699	-1.624
MmuSTS.713.1.S1_x_at	---	1.43E-02	0.09761	-0.646	-1.565
MmugDNA.36864.1.S1_at	SPAG17	1.44E-02	0.09784	-0.92	-1.892
MmuSTS.560.1.S1_at	LOC713069	1.44E-02	0.09797	-0.59	-1.505
MmugDNA.43348.1.S1_at	SGOL2	1.45E-02	0.09806	-0.938	-1.916
Mmu.886.1.S1_at	NMRAL1	1.48E-02	0.09865	-0.724	-1.652
MmugDNA.36979.1.S1_at	SLITRK6	1.48E-02	0.09868	-0.715	-1.641
MmugDNA.25696.1.S1_at	NEK2	1.49E-02	0.09929	-0.632	-1.55
MmugDNA.2395.1.S1_at	PLOD2	1.52E-02	0.09996	-0.842	-1.792

Supplemental Table 4. Comparing differentially expressed genes as determined by paired t-tests and LIMMA (statistical threshold: at least 1.5 fold change; p<0.05);

¹= log2 ratio (fold change luteal phase/follicular phase)

Gene sets unique to student t-tests (260)

Probesets	Gene symbol	p-value	q-value	Log2 ¹
Mmu.10187.1.S1_at	---	0.00429731	0.0638171	-1.09518
Mmu.11638.2.S1_at	IGFBP3	0.0151432	0.0997555	0.86481
Mmu.12187.1.S1_at	TNIK	0.00029896	0.0267373	0.862424
Mmu.1530.1.S1_at	---	0.00307943	0.057819	0.796216
Mmu.2091.5.S1_a_at	MAMU-AG	0.00685941	0.0754122	-0.727964
Mmu.3418.2.S1_at	GABARAPL1	0.00951673	0.0845558	0.61144
Mmu.6556.1.S1_at	GLIPR1	0.00793957	0.0793957	0.599621
Mmu.6559.1.S1_s_at	LOC701387	0.00926298	0.0837791	0.590618
Mmu.886.1.S1_at	NMRAL1	0.0147456	0.0986528	-0.724451
Mmu.891.1.S1_at	---	0.00311354	0.0579928	0.611712
MmuAffx.23.13.S1_s_at	H19	0.00509136	0.0675736	-0.937668
MmuSTS.1036.1.S1_at	---	0.00122771	0.0428976	0.607556
MmuSTS.109.1.S1_at	ASNS	0.000137427	0.0228129	-0.732761
MmuSTS.1353.1.S1_at	KLK2 /// KLK3	0.00590027	0.0706864	0.645107
MmuSTS.1455.1.S1_at	---	0.00259469	0.0541589	0.685355
MmuSTS.1534.1.S1_at	KIF20A	0.00993858	0.0857163	-0.752123
MmuSTS.1537.1.S1_at	---	0.00830725	0.0804931	0.617441
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MmuSTS.2164.1.S1_at	LOC696598	0.0112351	0.0894951	-1.09508
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MmuSTS.2954.1.S1_at	LOC722990	0.00471709	0.0660605	-2.01475
MmuSTS.3246.1.S1_at	BTG3	0.00741373	0.0775061	-0.659445
MmuSTS.3280.1.S1_at	CACNA2D2	0.0005885	0.0332844	0.598998
MmuSTS.3512.1.S1_at	---	0.000595177	0.0332844	0.698341
MmuSTS.3541.1.S1_at	NOD2	0.00687159	0.0754122	-0.769956
MmuSTS.3552.1.S1_at	CST2	0.0101586	0.0865495	1.17677
MmuSTS.3552.1.S1_x_at	CST1 /// CST2	0.00360706	0.0606136	1.00342
MmuSTS.3767.1.S1_at	AADAC	0.0112415	0.0894951	-1.95456
MmuSTS.3850.1.S1_at	ABI3BP	0.00427308	0.063745	0.645278
MmuSTS.415.1.S1_at	---	0.00291865	0.0566898	-1.58025
MmuSTS.4185.1.S1_at	---	0.00851079	0.0809561	-0.957039
MmuSTS.4250.1.S1_at	RAD51AP1	0.0134641	0.0954203	-0.764165

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MmuSTS.4436.1.S1_at	---	0.0122456	0.0922526	0.930305
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MmuSTS.4701.1.S1_at	VIPR1	0.0136795	0.0959044	-0.687032
MmuSTS.4815.1.S1_at	GABRP	0.000712376	0.034832	1.87368
MmuSTS.560.1.S1_at	LOC713069	0.01443	0.0979693	-0.589776
MmuSTS.632.1.S1_at	---	0.0139395	0.0967986	-0.672809
MmuSTS.637.1.S1_at	IL1F9	0.00966391	0.085076	-1.82666
MmuSTS.677.1.S1_at	---	0.0122538	0.0922636	-0.623808
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MmuSTS.743.1.S1_at	---	0.00798945	0.0795294	0.78189
MmuSTS.751.1.S1_at	---	0.00730458	0.0770363	-0.731925
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MmugDNA.10626.1.S1_at	---	0.0098387	0.0854584	0.643512
MmugDNA.10752.1.S1_at	---	0.00259675	0.0541589	0.613193
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MmugDNA.12450.1.S1_x_at	LOC100428875	0.0074492	0.0777218	-0.595203
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MmugDNA.14310.1.S1_at	ALCAM	0.00834149	0.0805259	0.906976
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MmugDNA.14545.1.S1_at	---	0.00761972	0.0781807	0.635255
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MmugDNA.16146.1.S1_at	ANK1	0.00776128	0.0786291	-1.01002
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MmugDNA.18871.1.S1_at	DLGAP2	0.00503108	0.0674066	-0.929965
MmugDNA.19195.1.S1_at	LOC100425521	0.0016874	0.0481005	0.585779
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MmugDNA.24916.1.S1_at	SVOPL CDK1 ///	0.012963	0.0940696	0.719574
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MmugDNA.26445.1.S1_at	COL1A1	0.0106926	0.087748	-0.739082
MmugDNA.26477.1.S1_at	JUN	0.0136175	0.0957151	0.61841
MmugDNA.26517.1.S1_at	FAM84A	0.00827716	0.0803797	-0.662469
MmugDNA.2666.1.S1_at	ADAMTS2	0.0111107	0.0891421	-1.19337
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MmugDNA.28110.1.S1_at	TNIK	0.000513897	0.0320401	0.695494
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MmugDNA.28419.1.S1_at	LOC707236	0.0105796	0.0875751	-1.78438
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MmugDNA.30147.1.S1_at	LOC711075	0.0022355	0.0518706	0.645745
MmugDNA.30462.1.S1_at	MECOM	0.00284793	0.0561508	0.701789
MmugDNA.30464.1.S1_at	MECOM	0.00785712	0.0790884	0.657212
MmugDNA.3074.1.S1_at	---	0.00714522	0.0764835	0.72708
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MmugDNA.31655.1.S1_at	HIST1H1A	0.00796848	0.079484	-0.669794
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MmugDNA.31936.1.S1_at	HGF	0.00552262	0.0692177	0.625553
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MmugDNA.33073.1.S1_at	MECOM	0.0123017	0.0923923	0.704613
MmugDNA.33316.1.S1_at	SEPP1	0.00287955	0.0563323	0.633809
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MmugDNA.34480.1.S1_at	IGFBP5	0.0100784	0.0861715	-0.648991
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MmugDNA.39863.1.S1_at	SKA1	0.00603345	0.071273	-0.986924
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MmugDNA.40533.1.S1_at	NTRK3	0.00535027	0.0686066	0.69187
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MmugDNA.40891.1.S1_at	LOC100507226	0.0131475	0.0947351	-0.979235
MmugDNA.4124.1.S1_at	CDCA5	0.0137773	0.0962916	-0.623779
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MmugDNA.42549.1.S1_at	---	0.0114833	0.0900629	-0.654634

MmugDNA.42612.1.S1_at	---	0.000693724	0.0344443	1.27803
MmugDNA.42888.1.S1_at	IGFBP5	0.00981777	0.0854169	-0.784098
MmugDNA.42890.1.S1_at	IGFBP5	0.0113641	0.0898255	-0.666609
MmugDNA.43308.1.S1_at	---	0.00345322	0.059977	0.991918
MmugDNA.43364.1.S1_at	SLC16A7	0.00221129	0.051817	0.617542
MmugDNA.4494.1.S1_at	PTGS2	7.35E-05	0.0199634	-0.714656
MmugDNA.4580.1.S1_at	LOC100130175	0.0023032	0.0522505	0.640049
MmugDNA.4631.1.S1_at	---	0.0102759	0.0869643	-0.979573
MmugDNA.4900.1.S1_s_at	AMY2A /// AMY2B	0.00490336	0.0668863	0.592555
MmugDNA.4915.1.S1_at	---	0.0141019	0.0971299	0.868206
MmugDNA.5086.1.S1_at	CMBL	0.000903123	0.0386506	0.587619
MmugDNA.5095.1.S1_at	TGIF1	0.00181736	0.0490182	0.591346
MmugDNA.5375.1.S1_at	UNC93A	0.00834561	0.0805259	-0.71058
MmugDNA.5560.1.S1_at	---	0.000105542	0.0212843	0.595775
MmugDNA.563.1.S1_at	---	0.000647834	0.0337018	-0.889792
MmugDNA.5926.1.S1_at	PGM2L1	0.00367798	0.0608468	0.763895
MmugDNA.6732.1.S1_at	PLXDC1	0.0125833	0.0930925	0.866898
MmugDNA.6931.1.S1_at	TSPAN8	0.0066292	0.0743432	0.716437
MmugDNA.7114.1.S1_at	CDCA2	0.013131	0.0947351	-0.613313
MmugDNA.7164.1.S1_at	---	0.00621218	0.0720987	0.899654
MmugDNA.7301.1.S1_s_at	---	0.0043115	0.0638377	-0.827782
MmugDNA.7319.1.S1_at	OVOL1	0.0087031	0.0816572	-0.659426
MmugDNA.7729.1.S1_at	IGFBP3	0.0103514	0.0872341	0.875356
MmugDNA.8010.1.S1_at	IL7R	0.00408798	0.0629643	0.781943
MmugDNA.8182.1.S1_at	---	0.0125886	0.0931106	-0.8288
MmugDNA.8677.1.S1_at	---	0.0124796	0.0928606	-0.904818
MmugDNA.9085.1.S1_at	SOX9	0.00535077	0.0686066	1.15243
MmugDNA.9304.1.S1_at	C7H15orf52	0.00511898	0.0675736	-0.835569
MmugDNA.9453.1.S1_at	---	0.0095615	0.0847461	-1.35138
MmunewRS.328.1.S1_at	LOC719353	0.00677691	0.0751023	-0.971165
MmunewRS.439.1.S1_at	TMEM26	0.00767218	0.0782792	-0.679885

Gene sets unique to LIMMA package (13)

Probesets	Gene symbol	p-value	q-value	Log2 ¹
MmuSTS.3438.1.S1_at	ANK2	0.00261469	0.0943212	-0.839478
MmuSTS.3567.1.S1_at	CCL21	0.00274601	0.0964649	-1.06647
MmuSTS.644.1.S1_at	SDHD	0.00176061	0.0809109	-0.665322
MmugDNA.11730.1.S1_at	---	0.00280316	0.0972579	-1.11212
MmugDNA.12625.1.S1_at	RASGRF2	0.00245756	0.0922067	0.803289
MmugDNA.16895.1.S1_at	SPON2	0.00301138	0.0996306	0.837916
MmugDNA.1894.1.S1_s_at	TRPM2	0.00209379	0.0867631	-0.637617

MmugDNA.28135.1.S1_at	WNT2B	0.00275702	0.0966348	-0.599146
MmugDNA.30940.1.S1_at	LOC696907	0.00210486	0.0868903	-0.617864
MmugDNA.36643.1.S1_at	PELI2	0.00230487	0.0899966	0.591614
MmugDNA.37123.1.S1_at	LIPA	0.00202062	0.0858817	-0.637094
MmugDNA.39472.1.S1_at	CYR61	0.00217805	0.0879103	-0.692584
MmugDNA.5485.1.S1_at	SDPR	0.00203197	0.0858817	0.595461

All gene sets determined by LIMMA (516)

Probesets	Gene symbol	p-value	q-value	Log2 ¹
Probeset ID	Gene Symbol	Limma P.Value	Limma qvalue(P.Value)	Limma log2(Ratio)
MmugDNA.16407.1.S1_at	LOC696983	4.92E-11	1.99E-06	-3.43799
MmugDNA.18066.1.S1_at	MGC16121	1.29E-08	0.000259621	-2.56609
MmuSTS.3842.1.S1_at	---	1.96E-08	0.000263599	-3.26294
MmugDNA.8918.1.S1_at	LOC717872	4.06E-08	0.000409473	-1.94141
MmugDNA.9587.1.S1_at	AKAP1	7.89E-08	0.000627214	0.621224
MmugDNA.3203.1.S1_at	STC1	1.06E-07	0.000627214	-2.64769
	SLC12A8 ///			
MmugDNA.11746.1.S1_at	ZNF148	1.09E-07	0.000627214	1.53167
MmuSTS.443.1.S1_at	AKAP1	2.31E-07	0.00116363	0.618205
MmuSTS.2392.1.S1_at	PPP1R1B	3.29E-07	0.00145379	1.52026
MmugDNA.34495.1.S1_at	STC1	3.60E-07	0.00145379	-2.23274
MmuSTS.3105.1.S1_at	RARB	5.35E-07	0.00196441	1.49655
MmugDNA.17457.1.S1_at	---	9.03E-07	0.00300041	-1.25845
MmunewRS.99.1.S1_at	LOC698299	9.66E-07	0.00300041	-1.23861
MmugDNA.7882.1.S1_at	GALNTL2	1.07E-06	0.00308878	2.27384
MmuSTS.2992.1.S1_at	MMP28	1.16E-06	0.00311327	1.47742
MmuSTS.1547.1.S1_s_at	MSX2	1.99E-06	0.00412048	-0.805677
MmuSTS.4301.1.S1_at	---	2.04E-06	0.00412048	0.886175
MmuSTS.2805.1.S1_at	SLC35F3	2.05E-06	0.00412048	0.832845
MmugDNA.20037.1.S1_at	SRPX2	2.08E-06	0.00412048	-1.7234
	MGC16121 ///			
MmugDNA.36227.1.S1_at	MIR503	2.10E-06	0.00412048	-1.19357
MmugDNA.33592.1.S1_at	NHS	2.14E-06	0.00412048	0.932084
MmugDNA.22693.1.S1_at	VEGFA	2.85E-06	0.00490397	-1.14761
MmugDNA.17550.1.S1_at	RARB	2.87E-06	0.00490397	1.67548
MmugDNA.19808.1.S1_at	---	2.92E-06	0.00490397	1.01013
MmugDNA.15362.1.S1_at	HEG1	3.89E-06	0.0058657	0.795473
MmugDNA.32444.1.S1_at	GALNTL2	3.95E-06	0.0058657	1.4676
MmugDNA.5232.1.S1_at	---	4.07E-06	0.0058657	-1.40492
MmugDNA.8405.1.S1_at	CRISPLD2	4.40E-06	0.00612812	1.94909
MmugDNA.20407.1.S1_at	VEGFA	5.33E-06	0.00673976	-1.14548
MmugDNA.18411.1.S1_at	PDCD4	5.52E-06	0.00673976	0.700812

MmugDNA.43564.1.S1_at	GABRQ	5.63E-06	0.00673976	-1.30998
MmuSTS.628.1.S1_at	---	5.65E-06	0.00673976	-2.21323
MmugDNA.5657.1.S1_at	DIO2	5.79E-06	0.00673976	-1.63663
MmugDNA.32362.1.S1_at	MAFB	5.96E-06	0.00673976	-0.754244
MmugDNA.3345.1.S1_at	VEGFA	6.01E-06	0.00673976	-0.985552
MmuSTS.1298.1.S1_at	RBM20	6.97E-06	0.00760592	1.47164
MmuSTS.2793.1.S1_at	LOC706830	8.36E-06	0.00844048	0.798855
MmugDNA.3785.1.S1_at	LOC708556	8.74E-06	0.00860594	-0.943081
MmuSTS.1980.1.S1_at	ODZ1	9.45E-06	0.00907792	-0.920989
MmugDNA.21308.1.S1_at	NHS	1.16E-05	0.00985806	0.939699
MmunewRS.70.1.S1_at	DEFB1	1.17E-05	0.00985806	-1.02128
MmuSTS.4699.1.S1_at	VEGFA	1.19E-05	0.00985806	-0.806731
MmugDNA.7733.1.S1_at	IGF1	1.21E-05	0.00985806	-1.6794
MmugDNA.11919.1.S1_at	MSX2	1.27E-05	0.00985806	-0.690825
MmugDNA.10390.1.S1_at	---	1.28E-05	0.00985806	0.759494
MmugDNA.36848.1.S1_at	TFPI2	1.28E-05	0.00985806	-2.56138
MmuSTS.3964.1.S1_at	---	1.32E-05	0.00985806	0.720517
MmugDNA.4061.1.S1_at	IGF1	1.34E-05	0.00985806	-1.80674
MmugDNA.40984.1.S1_at	STON1	1.40E-05	0.00986076	0.974404
MmugDNA.7394.1.S1_s_at	ENTPD1	1.40E-05	0.00986076	0.98613
MmugDNA.30579.1.S1_at	FOXP1	1.42E-05	0.00986076	0.592551
MmugDNA.4421.1.S1_at	LOC712578	1.44E-05	0.00986076	-0.828472
MmugDNA.30303.1.S1_at	TMEM120B	1.58E-05	0.0106599	-0.796417
MmugDNA.8498.1.S1_at	---	1.77E-05	0.0117418	0.761308
MmugDNA.5976.1.S1_at	LOC717646	1.84E-05	0.0119848	-0.76829
MmugDNA.78.1.S1_at	---	1.88E-05	0.0120468	2.69154
MmugDNA.2942.1.S1_at	---	1.97E-05	0.0124089	0.618721
MmugDNA.10251.1.S1_at	ENTPD1	2.19E-05	0.0130455	1.20378
MmugDNA.35189.1.S1_at	ANTXR1	2.20E-05	0.0130455	0.849783
MmunewRS.923.1.S1_at	---	2.29E-05	0.0134136	0.859572
MmuSTS.2298.1.S1_at	DFNA5	2.36E-05	0.0135688	1.5563
MmugDNA.39545.1.S1_at	ST6GALNAC2	2.52E-05	0.0141446	0.763622
MmugDNA.10813.1.S1_at	---	2.56E-05	0.0141446	0.890594
MmugDNA.11703.1.S1_at	DIO2	2.65E-05	0.0142768	-1.58623
MmugDNA.13721.1.S1_at	---	2.66E-05	0.0142768	-0.922946
MmuSTS.2696.1.S1_at	DIO2	2.69E-05	0.0142768	-1.6929
MmuSTS.1506.1.S1_at	MMP11	2.90E-05	0.0148507	-1.19175
MmugDNA.20455.1.S1_at	LOC708681	2.92E-05	0.0148507	0.814171
MmugDNA.17828.1.S1_at	OSR1	2.94E-05	0.0148507	1.31186
MmugDNA.8315.1.S1_at	DIO2	3.03E-05	0.0148802	-1.67228
MmugDNA.17516.1.S1_at	SRPX2	3.05E-05	0.0148802	-1.29123
MmugDNA.14000.1.S1_at	---	3.06E-05	0.0148802	0.983787

MmugDNA.35052.1.S1_at	LOC700181	3.24E-05	0.0154568	1.48551
MmugDNA.31648.1.S1_at	PID1	3.26E-05	0.0154568	1.05442
MmugDNA.7507.1.S1_at	ABCA9	3.29E-05	0.0154568	1.00218
MmuSTS.4646.1.S1_at	NTN4	3.34E-05	0.0154936	1.43175
MmuSTS.1520.1.S1_at	MMP2	3.46E-05	0.015867	1.25716
MmugDNA.34336.1.S1_at	---	3.56E-05	0.0160207	0.939462
MmugDNA.6916.1.S1_at	MMP28	3.67E-05	0.0160207	0.970367
MmugDNA.21514.1.S1_at	---	3.67E-05	0.0160207	2.11833
MmugDNA.13486.1.S1_at	LOC703270	3.69E-05	0.0160207	-1.72842
MmugDNA.36983.1.S1_at	DIO3	3.89E-05	0.016388	-1.59138
MmugDNA.11706.1.S1_at	DIO2	3.89E-05	0.016388	-1.25312
MmugDNA.37838.1.S1_at	---	3.90E-05	0.016388	0.727589
MmugDNA.5129.1.S1_at	GADD45G	4.13E-05	0.0171705	-0.787336
MmugDNA.40627.1.S1_s_at	LOC710234	4.33E-05	0.0173792	0.589902
MmugDNA.28256.1.S1_at	GTF2A2	4.45E-05	0.0173792	0.645416
MmugDNA.21291.1.S1_at	---	4.48E-05	0.0173792	-0.918449
MmugDNA.15470.1.S1_at	---	4.50E-05	0.0173792	0.902647
Mmu.10451.1.S1_at	GDF6	4.54E-05	0.0173792	0.747115
MmugDNA.20518.1.S1_at	HEG1	4.56E-05	0.0173792	0.903824
MmuSTS.2655.1.S1_at	ABCA8	4.86E-05	0.0179925	1.86935
MmugDNA.18610.1.S1_at	MIR210HG	5.03E-05	0.0182441	-1.11201
MmugDNA.38092.1.S1_at	IGF1	5.16E-05	0.0182441	-1.81228
MmugDNA.14350.1.S1_at	ENTPD1	5.20E-05	0.0182441	1.26564
MmugDNA.22309.1.S1_at	EPHB1	5.55E-05	0.0191545	1.26828
MmugDNA.28501.1.S1_at	MUM1L1	6.07E-05	0.0205733	1.04816
MmugDNA.5004.1.S1_at	SEMA5A	6.12E-05	0.0205733	0.8665
MmugDNA.33986.1.S1_at	SLIT2-IT1	6.25E-05	0.0208358	-0.738351
MmugDNA.6257.1.S1_at	LOC706392	6.68E-05	0.021788	0.700284
MmugDNA.16154.1.S1_at	LOC711305	6.73E-05	0.021788	-0.735626
MmugDNA.10788.1.S1_at	LOC704750	6.96E-05	0.0221349	-0.841571
MmugDNA.19730.1.S1_at	THRB	7.36E-05	0.0232017	0.778043
MmuSTS.2020.1.S1_at	PDCD4	7.44E-05	0.0232017	0.725257
MmugDNA.13770.1.S1_at	LOC708271	7.64E-05	0.0235448	-0.825205
MmuSTS.1969.1.S1_at	LOC717581	7.89E-05	0.0241219	0.756785
MmugDNA.14659.1.S1_at	ESM1	8.03E-05	0.0243355	-1.12055
MmugDNA.33299.1.S1_at	---	8.16E-05	0.0243355	1.29906
MmuSTS.3368.1.S1_at	LOC722330	8.20E-05	0.0243355	-0.631466

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MmuSTS.4311.1.S1_x_at	LOC705220	8.55E-05	0.0251791	-0.974809
MmuSTS.4004.1.S1_at	THBS1	8.74E-05	0.0254253	-1.18794
Mmu.12651.3.S1_at	TFPI2	8.76E-05	0.0254253	-2.24178
MmugDNA.22230.1.S1_s_at	MMP28	9.30E-05	0.0267896	0.685552
MmugDNA.18538.1.S1_s_at	SERPINI1	9.40E-05	0.0267896	0.69668
MmugDNA.17984.1.S1_at	LOC714408	9.51E-05	0.0267896	-0.814685
MmugDNA.18804.1.S1_at	ASTN2	9.56E-05	0.0267896	-0.997794
MmuSTS.2880.1.S1_at	THR3	0.000100477	0.0273437	0.678494
MmugDNA.11408.1.S1_at	SVEP1	0.000101776	0.0273437	-1.38108
MmunewRS.934.1.S1_at	---	0.00010238	0.0273437	0.720505
MmugDNA.2249.1.S1_at	LOC721400	0.000103558	0.0273437	-0.941321
MmugDNA.10743.1.S1_at	TSC22D3	0.000104127	0.0273437	0.672225
MmugDNA.31632.1.S1_at	---	0.000104866	0.0273437	0.709971
MmugDNA.4983.1.S1_at	LOC708451	0.000105138	0.0273437	-0.981199
MmugDNA.36333.1.S1_at	ADAMTS9-AS1	0.000106022	0.0273437	-0.991258
MmuSTS.4424.1.S1_at	FZD7	0.000106755	0.0273437	0.628578

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MmuSTS.4311.1.S1_at	LOC705220	0.000115073	0.0283635	-1.01759
MmugDNA.39168.1.S1_at	PDGFC	0.00011578	0.0283635	0.712098
MmugDNA.24921.1.S1_at	---	0.000116085	0.0283635	-0.904407
MmugDNA.28344.1.S1_s_at	LOC703270	0.000116347	0.0283635	-1.59205
MmugDNA.42756.1.S1_at	---	0.000116443	0.0283635	-1.01107
MmugDNA.14725.1.S1_at	CSMD2	0.000117124	0.0283635	-0.667748
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MmugDNA.4784.1.S1_at	PHF21B	0.000117352	0.0283635	-0.914652
MmugDNA.19488.1.S1_at	TMEM30B	0.00012004	0.0286491	0.752604

MmuSTS.153.1.S1_at	MEIS2	0.000120663	0.0286491	0.988713
MmugDNA.12725.1.S1_at	TMEM158	0.000122754	0.0289752	-0.971216
MmugDNA.9830.1.S1_at	LOC717945	0.000124495	0.0291002	-1.51123
MmugDNA.18663.1.S1_at	SLIT2	0.000125446	0.0291002	-0.953077
MmugDNA.37995.1.S1_at	NDRG1	0.00012729	0.0291924	-0.694085
MmuSTS.4328.1.S1_x_at	SERPINE2	0.000132173	0.0296385	-1.39481
Mmu.9527.1.S1_s_at	LOC708206	0.000133862	0.0296874	1.3306
MmuAffx.23.8.S1_s_at	SERPINE2	0.000138437	0.0305343	-1.20102
MmuSTS.4328.1.S1_at	SERPINE2	0.000140645	0.0307112	-1.49365
MmugDNA.31550.1.S1_at	---	0.000142637	0.0307893	-0.599921
MmugDNA.38053.1.S1_at	TFPI2	0.000143733	0.0307893	-2.06144
MmugDNA.39955.1.S1_at	ANK3	0.000143845	0.0307893	0.653421
MmugDNA.6483.1.S1_at	---	0.000144933	0.0307893	-0.886061
MmugDNA.11064.1.S1_at	ROGDI	0.000149934	0.0313489	0.620174
MmuSTS.3365.1.S1_at	---	0.000150673	0.0313489	-2.03562
MmugDNA.385.1.S1_at	SP4	0.000154865	0.0318276	0.705356
Mmu.15359.1.S1_s_at	LEPR	0.00015534	0.0318276	1.40491
MmugDNA.31234.1.S1_at	ABI3BP	0.000160619	0.0320671	1.17508
MmugDNA.38084.1.S1_s_at	LOC703270	0.000161419	0.0320671	-1.05094
MmugDNA.9862.1.S1_at	PPP1R3B	0.000163124	0.0320671	-0.660787
MmugDNA.8563.1.S1_at	---	0.000163273	0.0320671	0.759663
MmugDNA.499.1.S1_at	---	0.000165306	0.0321616	0.635417
MmugDNA.22341.1.S1_at	---	0.000167485	0.0323456	0.667707
MmugDNA.38268.1.S1_at	AFF3	0.000170045	0.0326837	-1.13341
MmugDNA.36279.1.S1_at	TINAGL1	0.00017739	0.0333026	0.799896
MmuSTS.3830.1.S1_at	LOC718903	0.000180009	0.0334828	-0.901807
MmugDNA.22655.1.S1_at	ACAP3	0.000180991	0.0335111	-0.614903
MmugDNA.33190.1.S1_at	---	0.000186224	0.0341664	0.679411
MmugDNA.5333.1.S1_at	TNIK	0.000201258	0.0353194	1.07077
MmugDNA.40625.1.S1_at	FZD7	0.000203153	0.0354976	0.760339
MmuSTS.2715.1.S1_at	HIST1H2BM	0.000204536	0.0355852	-0.727722
MmuSTS.1876.1.S1_at	LOC716986	0.000205735	0.0356401	-0.710167
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MmugDNA.40096.1.S1_at	LOC711299	0.000214945	0.0361496	0.782598
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MmugDNA.37942.1.S1_at	TSPAN18	0.000222211	0.0365999	0.642764
MmugDNA.8327.1.S1_at	CDKL1	0.000224114	0.0366235	0.672994
MmugDNA.27359.1.S1_at	CDH11	0.000237506	0.0376464	-0.893203
MmugDNA.15621.1.S1_at	LOC697171	0.000240611	0.0376464	-1.35301
MmuSTS.1486.1.S1_at	HK2	0.000242372	0.0376464	-1.59523

MmugDNA.29315.1.S1_at	DEPDC1	0.000242543	0.0376464	-1.23649
MmugDNA.23575.1.S1_at	CACHD1	0.000244745	0.0376464	0.793662
MmunewRS.1070.1.S1_at	---	0.000245297	0.0376464	-1.33036
MmugDNA.16098.1.S1_at	SCML4	0.000250669	0.0380683	0.68778
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MmuSTS.4111.1.S1_at	EGF	0.000270516	0.0398088	-0.837944
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MmugDNA.15276.1.S1_at	SVEP1	0.000280174	0.0403788	-1.43474
MmugDNA.34917.1.S1_at	SPHKAP	0.000290119	0.0404243	1.95355
MmuSTS.4834.1.S1_at	GLI1	0.00029052	0.0404243	0.591908
MmuSTS.442.1.S1_at	---	0.000290654	0.0404243	1.12956
MmugDNA.31537.1.S1_at	---	0.000305948	0.0412396	0.97222
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MmugDNA.24420.1.S1_at	LOC719468	0.000480334	0.0507951	-0.647139
MmugDNA.20110.1.S1_at	MERTK	0.000480726	0.0507951	0.622244
MmugDNA.20852.1.S1_at	CADPS	0.000484723	0.0509506	-1.78606
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MmugDNA.24334.1.S1_at	RNF207	0.000499057	0.051256	0.639941
MmugDNA.15512.1.S1_s_at	GLRB	0.000505277	0.0516191	-1.26408
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MmugDNA.603.1.S1_at	RCN3	0.000541864	0.053086	-0.801794
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MmuSTS.3996.1.S1_s_at	TGFB2	0.000567467	0.0541354	0.92841
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MmugDNA.42829.1.S1_s_at	TMEM54	0.000602669	0.054349	-0.70128
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MmuSTS.2698.1.S1_at	HIST1H2BH	0.000777599	0.0582967	-0.589309

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MmugDNA.10186.1.S1_at	CASC5	0.000822207	0.0600098	-0.986009
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MmugDNA.15302.1.S1_s_at	FAM162A	0.000892207	0.0621976	-0.624666
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MmugDNA.37113.1.S1_at	LOC709063	0.000921238	0.0632385	1.08435
MmugDNA.14959.1.S1_at	CDK1	0.000931151	0.0634871	-0.934459
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MmugDNA.11735.1.S1_at	DDX58	0.000970433	0.0644429	-0.828727
Mmu.7507.2.S1_at	TXNIP	0.000972544	0.0644429	0.695523
MmugDNA.11557.1.S1_at	NCAPG	0.000977232	0.0644515	-0.68456
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MmugDNA.15512.1.S1_at	GLRB	0.000999584	0.0647225	-1.17623
MmuSTS.2105.1.S1_s_at	---	0.00101606	0.0652258	-0.624288
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MmugDNA.40939.1.S1_at	---	0.00103157	0.065882	-0.771343
MmugDNA.8896.1.S1_at	FOXN1	0.0010452	0.0664371	-0.964724
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MmugDNA.40336.1.S1_at	LOC722009	0.00113812	0.069946	-1.35684
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MmugDNA.3319.1.S1_at	PCED1B-AS1	0.0011499	0.0703239	0.599198
MmugDNA.27403.1.S1_at	SELE	0.00115891	0.0704608	-0.982969
MmugDNA.18070.1.S1_s_at	KLF9	0.00118402	0.0712234	0.938807
MmugDNA.21026.1.S1_at	TCERG1L	0.00119257	0.0714184	-1.07201
MmugDNA.17909.1.S1_at	OMD	0.00121009	0.0717975	0.965376
MmugDNA.31043.1.S1_at	CABLES1	0.00121303	0.0717975	0.751027
MmuSTS.440.1.S1_at	AGTR2	0.0012132	0.0717975	-0.944244
MmugDNA.27864.1.S1_at	COL12A1	0.00122671	0.0722675	-1.10192

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MmugDNA.25691.1.S1_at	SLC16A6	0.00128254	0.0730225	-0.645158
MmugDNA.41094.1.S1_at	CYP4F22	0.00129878	0.0734219	-0.730705
MmugDNA.29740.1.S1_at	---	0.00130365	0.0735937	0.66087
MmugDNA.36465.1.S1_s_at	LOC709119 KRT14 ///	0.0013118	0.0738474	-1.11769
MmugDNA.23448.1.S1_at	LOC707236	0.00132412	0.0741274	-0.859557
MmuSTS.1507.1.S1_at	MMP14	0.00134963	0.0749204	0.684717
MmuSTS.1579.1.S1_at	IFIT1	0.00135104	0.0749204	-0.897807
MmugDNA.25696.1.S1_at	NEK2	0.00135326	0.0749204	-0.63182
MmugDNA.21912.1.S1_at	SOX9	0.00135763	0.0749204	1.27589
MmugDNA.31894.1.S1_s_at	TXNIP	0.00135979	0.0749204	0.639547
MmuSTS.4828.1.S1_at	GFI1	0.00136437	0.0749204	0.664853
MmugDNA.4606.1.S1_at	MYLK-AS1 LOC100426949 ///	0.00136535	0.0749204	0.632203
	LOC714423 ///			
MmugDNA.19623.1.S1_at	TUBB2B	0.00137314	0.075203	-0.7356
MmugDNA.19950.1.S1_at	THSD7A	0.00137956	0.0753497	0.958847
MmuSTS.912.1.S1_at	---	0.0014087	0.0756793	1.70811
MmugDNA.43588.1.S1_at	CENPW	0.00140881	0.0756793	-0.888355
MmuSTS.355.1.S1_at	---	0.00140881	0.0756793	1.03772
MmugDNA.18357.1.S1_at	ORC6L	0.00141825	0.0756793	-0.594941
MmuSTS.3388.1.S1_at	PAPPA2	0.00142969	0.0756793	-0.612815
MmugDNA.41431.1.S1_at	TFCP2L1	0.00143019	0.0756793	1.6767
MmugDNA.22787.1.S1_at	UBE2T	0.00143187	0.0756793	-0.647575
MmugDNA.33139.1.S1_at	NEFM	0.00143246	0.0756793	-0.798426
MmugDNA.17854.1.S1_at	NTRK3	0.00145723	0.076388	0.714077
MmunewRS.830.1.S1_at	---	0.00147856	0.0771052	1.00885
MmugDNA.25.1.S1_at	ABHD2	0.00150143	0.0776959	0.609483
MmugDNA.36138.1.S1_at	CAMK2D	0.0015169	0.0777983	-0.652133
MmuSTS.3217.1.S1_at	SDC4	0.00152435	0.0780808	0.598505
MmugDNA.33915.1.S1_at	LOC715820	0.00153637	0.0782992	-0.898457
MmunewRS.702.1.S1_s_at	FOXA1	0.00155965	0.0785884	1.2778
MmugDNA.23517.1.S1_at	FAM65C	0.00156036	0.0785884	-0.737915

	HIST1H3D ///			
	LOC100425854 ///			
	LOC100430668 ///			
	LOC695427 ///			
	LOC695891 ///			
	LOC696204 ///			
	LOC698105 ///			
	LOC698615 ///			
	LOC698731 ///			
	LOC703889 ///			
MmuSTS.4310.1.S1_at	LOC705220	0.00158549	0.0790375	-0.91714
MmugDNA.749.1.S1_at	KLHL24	0.0015912	0.0790375	0.760946
MmuSTS.4796.1.S1_at	FMO4	0.00159218	0.0790375	-0.691341
MmugDNA.37743.1.S1_at	PDGFC	0.00159393	0.0790375	0.625959
MmugDNA.43348.1.S1_at	SGOL2	0.00162034	0.0796575	-0.938408
MmuSTS.3607.1.S1_at	CDH11	0.00162927	0.0796575	-0.965637
MmugDNA.2946.1.S1_at	---	0.00162964	0.0796575	0.592564
MmuSTS.4722.1.S1_at	TRIP13	0.00163053	0.0796575	-0.632785
MmugDNA.451.1.S1_at	---	0.00163209	0.0796575	-1.09014
MmugDNA.14519.1.S1_s_at	LEPR	0.0016394	0.0796997	1.31305
MmuSTS.1558.1.S1_at	MELK	0.00164283	0.0796997	-0.836396
MmunewRS.671.1.S1_at	---	0.00164558	0.0797241	-1.03836
MmugDNA.31881.1.S1_at	---	0.0016552	0.0797241	0.738607
MmugDNA.1162.1.S1_at	MARCKSL1	0.00166832	0.0797241	0.696583
MmugDNA.36465.1.S1_at	LOC709119	0.00166909	0.0797241	-1.07498
MmugDNA.24178.1.S1_at	---	0.00168622	0.0799782	1.53132
MmugDNA.26358.1.S1_at	HIST1H2AK	0.00169124	0.0800282	-0.78807
MmugDNA.3222.1.S1_at	---	0.00170323	0.080199	0.61963
MmugDNA.33823.1.S1_s_at	KIAA0101	0.00170478	0.080199	-1.31444
MmugDNA.24523.1.S1_at	CDCA2	0.00171603	0.0803715	-0.741312
MmugDNA.38818.1.S1_at	LOC699977	0.00172711	0.0804988	0.748832
MmugDNA.2395.1.S1_at	PLOD2	0.00172994	0.0805253	-0.841849
MmuAffx.161.1.S1_at	---	0.00175919	0.0809109	1.25386
MmuSTS.644.1.S1_at	SDHD	0.00176061	0.0809109	-0.665322
MmugDNA.821.1.S1_at	KATNAL2	0.00176078	0.0809109	-1.36992
MmugDNA.14253.1.S1_at	---	0.00176433	0.0809109	-0.76823
MmuSTS.4231.1.S1_at	---	0.00176803	0.0809109	-1.3513
MmugDNA.27683.1.S1_at	ADAMTS2	0.00179433	0.0815744	-1.18099
MmugDNA.2848.1.S1_at	LOC703270	0.00179483	0.0815744	-0.593111
Mmu.14519.1.S1_at	CTSK	0.00179667	0.0815744	1.09586
MmugDNA.15700.1.S1_s_at	PHGDH	0.00181508	0.0819491	-0.877387
MmuSTS.3431.1.S1_at	---	0.00184415	0.0827069	-1.09508
MmugDNA.9557.1.S1_at	GABARAPL1	0.00185632	0.0829759	0.592495

MmugDNA.22170.1.S1_at	CTHRC1	0.00186226	0.0831141	1.43498
MmuSTS.3242.1.S1_at	LOC100426120	0.00187709	0.0835344	-1.14275
MmugDNA.9079.1.S1_at	C20orf46 LOC100423631 ///	0.00189146	0.0836259	-0.733846
MmugDNA.24380.1.S1_at	VCAN	0.00189612	0.0836259	-1.20502
MmugDNA.24040.1.S1_at	---	0.00195474	0.0850641	2.0068
MmugDNA.22333.1.S1_at	---	0.0019556	0.0850641	-0.741884
MmugDNA.14881.1.S1_at	---	0.0019707	0.085165	0.892469
MmugDNA.25731.1.S1_at	TGFB2	0.00197491	0.0851943	0.806475
MmugDNA.7650.1.S1_at	AGTR2	0.00198337	0.0853468	-0.658581
Mmu.666.1.S1_at	KCNJ2	0.00201033	0.0858664	0.733645
MmugDNA.37123.1.S1_at	LIPA	0.00202062	0.0858817	-0.637094
MmugDNA.18490.1.S1_at	TSPAN18	0.00202208	0.0858817	0.659
MmuSTS.2263.1.S1_at	LOC712795	0.00203154	0.0858817	0.977198
MmugDNA.5485.1.S1_at	SDPR	0.00203197	0.0858817	0.595461
MmuSTS.1939.1.S1_at	FGF11	0.00203697	0.0859276	-0.957264
MmuSTS.1392.1.S1_at	KCNJ2	0.00207043	0.0866237	0.662678
MmugDNA.8743.1.S1_at	NUAK1	0.00208625	0.0867631	0.618394
MmugDNA.1894.1.S1_s_at	TRPM2	0.00209379	0.0867631	-0.637617
MmugDNA.30940.1.S1_at	LOC696907	0.00210486	0.0868903	-0.617864
MmugDNA.33495.1.S1_at	WDR72	0.00210534	0.0868903	2.70313
MmugDNA.19189.1.S1_at	DDX58	0.00211339	0.0871331	-0.678592
MmugDNA.20568.1.S1_s_at	ITGB1	0.00211601	0.0871522	0.602168
MmugDNA.31369.1.S1_at	RRM2	0.00212094	0.0872664	-1.15713
MmugDNA.37382.1.S1_s_at	---	0.00216588	0.0878181	1.28155
MmugDNA.39472.1.S1_at	CYR61	0.00217805	0.0879103	-0.692584
MmuSTS.1748.1.S1_at	RNF152	0.00218015	0.0879103	1.04716
MmugDNA.703.1.S1_at	CA2	0.0022252	0.0890152	-1.86786
MmugDNA.41853.1.S1_at	FOXN1	0.00223123	0.0890776	-1.278
MmugDNA.2024.1.S1_at	---	0.0022501	0.0891621	0.731214
MmuSTS.2257.1.S1_at	CRYGS /// TBCCD1	0.00225086	0.0891621	-2.10965
MmugDNA.289.1.S1_at	ARMC3	0.00225905	0.0892199	-0.646846
MmugDNA.15862.1.S1_at	CKS2	0.00227477	0.0894904	-0.613694
MmugDNA.41865.1.S1_at	PCOLCE	0.00228394	0.0895893	-1.22645
MmugDNA.40688.1.S1_at	ZNF235	0.00229758	0.0899033	0.593099
MmugDNA.36643.1.S1_at	PELI2	0.00230487	0.0899966	0.591614
MmugDNA.10668.1.S1_at	KLK2 /// KLK3	0.0023057	0.0899966	1.78624
MmugDNA.35863.1.S1_at	LOC704204	0.00231001	0.0899996	-1.63698
MmugDNA.37076.1.S1_at	DPYSL3	0.00231508	0.0900712	0.889698
MmugDNA.43116.1.S1_at	GPNMB	0.00233166	0.090363	0.72993
MmugDNA.14738.1.S1_at	---	0.00237524	0.0910868	0.802303
MmugDNA.8941.1.S1_at	---	0.00239317	0.0913995	0.897512

MmugDNA.3801.1.S1_at	WDR72	0.00240357	0.0913995	2.65698
MmugDNA.27976.1.S1_at	LOC716250	0.00240922	0.0913995	1.06608
MmugDNA.8354.1.S1_at	PIK3IP1	0.00241486	0.0914368	0.864946
MmugDNA.42834.1.S1_at	---	0.00242116	0.0915039	-0.617935
MmugDNA.189.1.S1_at	IGFBP5	0.00243394	0.0917291	-0.728992
MmugDNA.36979.1.S1_at	SLITRK6	0.00244532	0.0919864	-0.714558
MmugDNA.13969.1.S1_at	WDR72	0.00245308	0.0921923	2.54086
MmugDNA.12625.1.S1_at	RASGRF2	0.00245756	0.0922067	0.803289
MmugDNA.24910.1.S1_at	NTRK3	0.00247761	0.0924604	1.14772
MmugDNA.12230.1.S1_at	XPR1	0.00252336	0.0928603	0.723905
MmugDNA.22231.1.S1_at	UPK1A	0.00253759	0.0930297	0.766883
MmugDNA.24544.1.S1_at	KLHL24	0.00254247	0.0930775	0.72936
MmugDNA.22373.1.S1_at	CPEB1	0.00254954	0.0932137	0.695327
MmugDNA.42853.1.S1_at	FGFR2	0.00255243	0.093235	0.591669
MmugDNA.21142.1.S1_at	LTBP1	0.00258349	0.093967	0.585986
MmugDNA.38667.1.S1_at	THRB	0.00258645	0.0939674	0.788795
MmugDNA.36864.1.S1_at	SPAG17	0.00260297	0.0943127	-0.920035
MmuSTS.2870.1.S1_at	EPCAM	0.00260841	0.0943212	0.957736
MmuSTS.3438.1.S1_at	ANK2	0.00261469	0.0943212	-0.839478
MmugDNA.42675.1.S1_at	TGFB2	0.00262218	0.0943849	0.800604
MmugDNA.24835.1.S1_at	LOC100423631 ///			
	VCAN	0.00262311	0.0943849	-1.20003
	LOC707320 ///			
MmugDNA.25384.1.S1_at	UBE2C	0.0026237	0.0943849	-0.928898
Mmu.9771.1.S1_at	OMD	0.00265061	0.0946791	1.08645
MmuSTS.2940.1.S1_at	ABCA6	0.00265876	0.0948863	0.601762
MmugDNA.14976.1.S1_at	CDH11	0.00267151	0.0952338	-0.866994
MmugDNA.6770.1.S1_at	PNMAL1	0.00267321	0.0952338	0.608587
MmugDNA.19039.1.S1_at	TMPRSS3	0.00268288	0.0954687	-0.599117
MmugDNA.7137.1.S1_s_at	ACSM3	0.00271205	0.0962262	1.0884
MmugDNA.41157.1.S1_at	MGP	0.0027233	0.096393	0.833363
MmugDNA.25181.1.S1_at	HSD17B6	0.00273441	0.096393	0.816785
MmuSTS.3567.1.S1_at	CCL21	0.00274601	0.0964649	-1.06647
MmugDNA.28135.1.S1_at	WNT2B	0.00275702	0.0966348	-0.599146
MmugDNA.11730.1.S1_at	---	0.00280316	0.0972579	-1.11212
MmugDNA.19988.1.S1_at	SERPINA6	0.00280939	0.0972579	-0.956013
MmugDNA.9321.1.S1_at	PCSK6	0.00281545	0.0972952	-0.595245
MmugDNA.28945.1.S1_at	---	0.0028207	0.0973332	0.649287
MmugDNA.19373.1.S1_at	---	0.00286623	0.0979207	-1.31611
MmugDNA.31897.1.S1_at	TXNIP	0.0029031	0.0980575	0.672476
MmugDNA.1157.1.S1_at	PERP	0.00295608	0.098607	-0.708377
MmugDNA.36836.1.S1_at	NFASC	0.00295852	0.098607	0.890451
MmugDNA.2684.1.S1_at	LOC721007	0.00296006	0.098607	-0.717798

MmuSTS.137.1.S1_at		5-Sep	0.00296903	0.0987964	-0.618629
MmugDNA.37390.1.S1_at	CDCA3		0.00297295	0.0988452	-0.716144
MmugDNA.41450.1.S1_at	---		0.00300727	0.0995762	-0.901028
MmugDNA.16895.1.S1_at	SPON2		0.00301138	0.0996306	0.837916
MmuSTS.2641.1.S1_at	LOC100429735		0.00302406	0.0996417	0.790549
MmugDNA.34386.1.S1_at	OCIAD2		0.00303063	0.0996953	0.675868

Supplemental Table 5. List of differentially expressed (DE) proteins (proteomics analyses) in the luteal and follicular phases that were evaluated by Gene Set Enrichment Analysis (GSEA); the core enriched proteins are indicated; to examine the overlap between the gene and protein expression levels we created corresponding gene sets from the proteins that were found to be enriched in the two phases; we then used GSEA to see if those DE protein gene sets were enriched in either phase in the gene expression data. Gene expression is ranked from luteal to follicular and GSEA determines the distribution of the gene set within that ranking.

Follicular phase			
Probesets	Gene symbol	Gene titles	Core Enriched?
CFI	CFI	complement factor I	No
DMBT1	DMBT1	deleted in malignant brain tumors 1	No
CFB	CFB	complement factor B	No
ITIH3	ITIH3	inter-alpha (globulin) inhibitor H3	No
ALB	ALB	albumin	No
VTN	VTN	vitronectin	No
C4BPA	C4BPA	complement component 4 binding protein, alpha	No
CFH	CFH	complement factor H	No
FGB	FGB	fibrinogen beta chain	No
APOA1	APOA1	apolipoprotein A-I	Yes
S100A2	S100A2	S100 calcium binding protein A2	Yes
AHSG	AHSG	alpha-2-HS-glycoprotein	Yes
ITIH2	ITIH2	inter-alpha (globulin) inhibitor H2	Yes
FN1	FN1	fibronectin 1	Yes
KNG1	KNG1	kininogen 1	Yes
FGG	FGG	fibrinogen gamma chain	Yes
APOD	APOD	apolipoprotein D	Yes
FGA	FGA	fibrinogen alpha chain	Yes
C9	C9	complement component 9	Yes
TXNDC17	null	null	Yes
F2	F2	coagulation factor II (thrombin)	Yes
TAGLN2	TAGLN2	transgelin 2	Yes
AMBP	AMBP	alpha-1-microglobulin/bikunin precursor	Yes
Luteal phase			
CPNE3	CPNE3	copine III	Yes
COTL1	COTL1	coactosin-like 1 (Dictyostelium)	Yes
BASP1	BASP1	brain abundant, membrane attached signal protein 1	Yes
ARHGDI3	ARHGDI3	Rho GDP dissociation inhibitor (GDI) beta	Yes
CORO1A	CORO1A	coronin, actin binding protein, 1A	Yes
LCN2	LCN2	lipocalin 2 (oncogene 24p3)	Yes
MMP9	MMP9	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	Yes
MSN	MSN	moesin	No
VIM	VIM	vimentin	No
LCP1	LCP1	lymphocyte cytosolic protein 1 (L-plastin)	No
HNRNPC	null	null	No
CRISP3	CRISP3	cysteine-rich secretory protein 3	No
S100A7	S100A7	S100 calcium binding protein A7	No
KLK10	KLK10	kallikrein 10	No
MMP8	MMP8	matrix metalloproteinase 8 (neutrophil collagenase)	No
LTF	LTF	lactotransferrin	No
SPRR1A	SPRR1A	small proline-rich protein 1A	No
PLBD1	null	null	No
CTSG	CTSG	cathepsin G	No
MPO	MPO	myeloperoxidase	No
GPI	GPI	glucose phosphate isomerase	No
KRT1	KRT1	keratin 1 (epidermolytic hyperkeratosis)	No
KRT9	KRT9	keratin 9 (epidermolytic palmoplantar keratoderma)	No
ANXA3	ANXA3	annexin A3	No