

Additional file 2: Table S1. Significant differently expressed genes: Results from 2-way ANOVA.

Genes significantly differently expressed at 5, 10 and 15 days post-fertilization. Gene, function, relative fold-differences and p-values are reported. A gene with a positive fold-difference is more highly expressed in population/treatment listed first, and a gene with a negative fold-difference is more highly expressed in the population/treatment listed last. Significant p-values are in **bold**. NBH are New Bedford Harbor embryos and SC are Scorton Creek (reference) embryos. Unannotated genes are denoted by UnAn and a unique number. Some of the unannotated probes were subsequently annotated after extension using the 454 database; see Table S3 for details.

Gene	NBH PCB vs. NBH DMSO	NBH DMSO vs. SC DMSO	SC PCB vs. NBH DMSO	NBH PCB vs. SC DMSO	SC PCB vs. NBH PCB	SC PCB vs. SC DMSO	P-value Population	P-value Treatment	P-value Population by Treatment
5 Days Post-fertilization									
ATP synthase lipid-binding protein	1.79	1.47	-1.12	2.64	-2.02	1.31	1.09E-02	4.60E-03	1.54E-01
basic leucine zipper nuclear factor 1	-1.03	-1.52	7.74	-1.57	7.97	5.09	3.00E-04	3.00E-04	3.00E-04
Complement component C9 precursor	1.48	1.69	-1.40	2.50	-2.08	1.21	2.00E-03	3.59E-02	3.97E-01
Complex I-B9	1.23	1.49	-1.41	1.84	-1.73	1.06	1.60E-03	1.04E-01	3.72E-01
CYP1A	1.29	-1.12	5.40	1.15	4.18	4.82	1.60E-03	6.00E-04	3.40E-03
CYP1B1	-1.21	-1.26	2.06	-1.53	2.5	1.64	3.20E-03	1.47E-01	1.24E-02
Deoxyribonuclease-1	1.48	-2.57	2.25	-1.74	1.52	-1.14	5.40E-03	2.79E-01	5.51E-02
Diablo homolog	-1.03	2.14	1.12	2.07	1.16	2.40	3.78E-01	5.01E-02	5.10E-03
Guanidinoacetate N-methyltransferase	-1.16	-3.28	2.62	-3.82	3.05	-1.25	1.40E-03	1.77E-01	7.51E-01
hect domain and RLD 4 isoform b	1.33	-1.06	1.28	1.25	-1.04	1.21	8.95E-01	4.60E-03	2.66E-01
Hypothetical protein C31G5.21	1.12	1.98	-1.57	2.22	-1.75	1.27	1.10E-03	3.93E-02	3.54E-01
IGF-II mRNA-binding protein 2 isoform a	-1.85	-1.44	1.28	-2.65	2.37	-1.12	6.40E-03	1.77E-02	8.22E-02
Prostaglandin G/H synthase 1 precursor	1.02	1.43	-1.49	1.46	-1.52	-1.04	3.90E-03	8.68E-01	5.52E-01
Proteasome subunit beta type 7	1.41	-1.14	1.03	1.24	-1.37	-1.10	4.14E-01	9.04E-02	4.60E-03

Small inducible cytokine A4 homolog	1.13	1.03	1.72	1.17	1.52	1.78	7.69E-02	9.00E-04	6.50E-03
Synaptophysin-like protein	-1.15	1.64	-1.14	1.42	1.01	1.43	1.22E-01	1.81E-01	1.70E-03
T-cell surface glycoprotein CD3 delta chain	1.14	-1.64	4.80	-1.44	4.21	2.92	4.50E-03	6.50E-03	2.07E-02
T-cell surface glycoprotein CD8 beta chain	1.06	1.59	-1.63	1.68	-1.72	-1.03	4.20E-03	8.57E-01	6.61E-01
U2-associated SR140 protein	1.21	1.32	-1.46	1.59	-1.77	-1.11	1.90E-03	4.92E-01	5.05E-02
UnAn_21996	1.28	1.02	1.81	1.30	1.42	1.84	1.84E-01	6.00E-04	1.45E-02
UnAn_22354	-1.05	2.30	-2.29	2.20	-2.19	1.00	2.80E-03	8.77E-01	8.63E-01
UnAn_22456	-1.08	1.60	-1.67	1.49	-1.55	-1.04	6.20E-03	4.52E-01	8.23E-01
UnAn_22681	1.38	1.47	-1.41	2.02	-1.94	1.04	2.40E-03	4.55E-02	1.07E-01
UnAn_22726	1.03	1.88	-2.07	1.93	-2.12	-1.10	3.00E-04	5.72E-01	3.37E-01
UnAn_23042	-1.13	-1.41	1.51	-1.60	1.71	1.07	1.40E-03	7.09E-01	2.73E-01
UnAn_23246	-1.09	1.96	-1.90	1.81	-1.75	1.03	8.00E-04	7.33E-01	4.98E-01
UnAn_26723	-1.14	2.12	-1.86	1.86	-1.63	1.14	5.40E-03	9.81E-01	1.55E-01
UnAn_27108	-1.10	1.93	-1.79	1.76	-1.63	1.08	6.00E-03	9.30E-01	4.64E-01
UnAn_27722	1.18	1.52	-1.53	1.80	-1.82	-1.01	6.00E-03	3.30E-01	2.64E-01
UnAn_27910	1.22	-1.32	3.35	-1.08	2.74	2.54	7.00E-04	3.00E-04	3.50E-03
UnAn_29411	-1.03	-2.51	11.58	-2.58	11.87	4.61	3.00E-04	1.50E-03	8.00E-04
UnAn_29726	1.01	-1.23	1.54	-1.22	1.53	1.25	6.20E-03	1.41E-01	1.84E-01
UnAn_29829	-1.16	-1.16	1.43	-1.34	1.65	1.23	6.00E-03	5.30E-01	5.10E-03
10 Days Post-fertilization									
60S acidic ribosomal protein P1	1.44	1.26	-1.16	1.81	-1.66	1.09	5.30E-03	2.17E-02	1.27E-01
Acidic phosphoprotein	1.11	-1.15	2.73	-1.04	2.46	2.37	9.00E-03	1.40E-03	3.70E-03
AMP deaminase 1	1.27	1.49	-1.04	1.88	-1.32	1.43	1.10E-02	1.70E-03	2.69E-01
Apomucin	1.16	1.45	1.39	1.68	1.2	2.02	5.51E-01	3.50E-03	1.53E-02
Beta enolase	-1.00	-1.29	-1.19	-1.29	-1.19	-1.53	8.16E-01	5.11E-02	2.70E-03
bromodomain containing 9 isoform 1	-1.49	-1.23	1.03	-1.84	1.54	-1.19	3.90E-03	6.50E-03	1.65E-01
C61 protein	1.22	1.84	1.08	2.25	-1.13	1.99	9.64E-02	5.50E-03	2.26E-02
Cathepsin D	-1.45	1.01	1.03	-1.44	1.49	1.04	2.08E-01	6.61E-02	4.40E-03

Chromobox protein homolog 2	-1.65	-1.36	-1.08	-2.25	1.53	-1.47	6.51E-02	3.40E-03	4.83E-01
CIITA	1.03	-1.06	1.86	-1.03	1.82	1.76	1.31E-02	5.80E-03	1.20E-02
CYP1A	1.10	-1.13	6.91	-1.03	6.26	6.10	1.00E-04	4.10E-05	1.00E-04
Cytochrome b	-1.72	-1.53	-1.03	-2.63	1.67	-1.57	1.86E-02	2.60E-03	6.91E-01
EGLP	-1.73	-1.32	1.15	-2.29	1.98	-1.15	1.20E-03	6.00E-04	6.00E-03
Epsin-4	1.38	2.03	-1.25	2.80	-1.73	1.62	8.40E-03	4.10E-03	2.53E-01
Histidine-rich glycoprotein	-1.16	-1.52	1.50	-1.77	1.75	-1.01	3.10E-03	2.90E-01	3.81E-01
MEK binding partner 1	-1.10	-1.51	1.41	-1.66	1.55	-1.07	5.00E-04	2.42E-01	8.44E-01
Muted protein	-1.60	-1.50	1.29	-2.41	2.08	-1.16	4.50E-03	7.90E-03	7.33E-02
NADH dehydrogenase subunit 5	-1.75	-1.82	1.48	-3.18	2.59	-1.23	1.90E-03	3.99E-02	2.70E-01
Parvalbumin beta	1.30	-1.49	-1.21	-1.14	-1.57	-1.80	9.06E-01	2.23E-01	7.00E-04
quiescin Q6 isoform a	-1.44	-1.34	2.24	-1.94	3.24	1.67	2.64E-02	6.07E-01	2.40E-03
RWD domain containing protein 1	1.05	-1.05	-1.65	-1.00	-1.73	-1.73	1.80E-01	3.08E-02	2.80E-03
snRNP core protein D2	-1.21	-1.12	-1.08	-1.35	1.12	-1.21	7.49E-02	3.70E-03	9.43E-01
T-cell receptor T3 delta chain	1.07	-1.25	6.81	-1.16	6.35	5.47	1.20E-03	4.00E-04	7.00E-04
T-cell surface glycoprotein CD8 beta chain	1.51	-1.12	-1.18	1.35	-1.78	-1.32	1.04E-01	3.80E-01	2.00E-03
Transcription factor PU.1	1.19	-1.36	-1.13	-1.14	-1.35	-1.55	9.67E-01	1.19E-01	5.80E-03
Troponin C	1.08	2.68	-1.64	2.90	-1.77	1.63	6.60E-03	5.47E-02	1.22E-01
Tuberin	-1.55	-1.75	1.3	-2.72	2.02	-1.35	3.70E-03	5.80E-03	4.39E-01
Tubulointerstitial nephritis antigen-like precursor	1.49	-1.03	3.09	1.44	2.08	3.00	1.79E-01	1.40E-03	3.80E-03
Type II antifreeze protein	-1.12	1.72	-2.25	1.54	-2.00	-1.30	8.00E-04	3.70E-02	3.63E-01
Tyrosine aminotransferase	-1.14	-1.24	2.35	-1.40	2.68	1.90	2.00E-04	1.70E-03	1.00E-04
Ubiquinol-cytochrome c reductase iron-sulfur subunit	-1.03	-1.74	1.70	-1.78	1.74	-1.02	5.40E-03	7.38E-01	9.74E-01
UnAn_20648	1.32	1.01	-1.06	1.32	-1.39	-1.05	1.26E-01	7.67E-02	5.40E-03
UnAn_20957	-1.84	-1.48	1.12	-2.71	2.06	-1.32	1.85E-02	4.10E-03	7.01E-02

UnAn_21518	-1.00	-1.57	1.57	-1.58	1.57	-1.00	3.60E-03	9.68E-01	1.00E+00
UnAn_21996	-1.15	-1.01	2.10	-1.16	2.42	2.09	1.75E-02	1.48E-02	2.30E-03
UnAn_22354	-1.09	2.13	-2.72	1.95	-2.49	-1.28	2.00E-04	1.59E-01	4.83E-01
UnAn_22447f	1.34	1.27	-1.30	1.70	-1.75	-1.03	3.20E-03	6.04E-02	4.09E-02
UnAn_22666	1.13	1.61	-1.65	1.83	-1.87	-1.03	5.80E-03	5.82E-01	4.03E-01
UnAn_22785	-1.24	-1.84	1.82	-2.27	2.25	-1.01	7.00E-04	1.24E-01	6.55E-02
UnAn_22873	-1.00	1.30	-2.01	1.29	-2.00	-1.55	4.40E-03	2.21E-02	2.61E-02
UnAn_22879	1.56	-1.51	1.25	1.03	-1.25	-1.20	4.63E-01	1.51E-01	6.20E-03
UnAn_23038	1.17	1.15	-1.08	1.35	-1.27	1.06	3.60E-03	3.59E-02	2.88E-01
UnAn_23120	1.37	1.35	-1.55	1.85	-2.12	-1.14	1.40E-03	2.54E-01	2.58E-02
UnAn_23121	-1.09	1.54	1.14	1.41	1.24	1.75	5.27E-01	4.41E-02	6.00E-03
UnAn_23610r	1.06	-1.45	3.34	-1.37	3.15	2.30	1.10E-02	8.20E-03	2.80E-03
UnAn_27466	1.30	-1.33	-1.16	-1.03	-1.50	-1.54	5.51E-01	2.30E-01	1.80E-03
UnAn_27910	-1.02	-1.29	4.34	-1.32	4.44	3.36	1.00E-04	2.00E-04	3.00E-04
UnAn_27985	-1.10	1.13	1.27	1.03	1.40	1.44	1.18E-01	4.14E-02	5.50E-03
UnAn_28041	1.02	-1.01	2.45	1.01	2.42	2.43	8.90E-03	6.00E-04	2.00E-04
UnAn_28436	1.13	1.29	-1.46	1.46	-1.66	-1.14	1.30E-03	9.73E-01	6.15E-02
UnAn_28540	-1.17	1.04	-1.37	-1.12	-1.17	-1.31	2.52E-01	5.20E-03	2.80E-01
UnAn_29159	1.18	-1.20	3.20	-1.02	2.71	2.66	1.36E-02	3.40E-03	1.97E-02
UnAn_29343	1.20	1.48	-1.13	1.77	-1.35	1.31	7.80E-03	4.70E-03	3.22E-01
UnAn_29411	1.09	1.12	10.55	1.22	9.69	11.78	8.00E-04	1.00E-04	1.00E-04
UnAn_29819	1.37	1.28	-1.34	1.76	-1.84	-1.05	3.50E-03	7.42E-02	3.15E-02
UnAn_29849	1.11	1.67	-1.35	1.86	-1.50	1.24	1.80E-03	3.64E-02	4.36E-01
WAP four-disulfide core domain protein 3	1.02	1.59	1.23	1.63	1.21	1.96	6.26E-01	4.95E-02	5.50E-03

15 Days Post-fertilization

3-ketoacyl-CoA thiolase	-1.19	-1.30	1.47	-1.54	1.75	1.13	9.40E-03	6.93E-01	6.00E-04
30S ribosomal protein S12	1.02	1.14	-1.65	1.16	-1.68	-1.45	4.30E-02	3.53E-02	4.00E-04
40S ribosomal protein S6	-1.13	-1.24	1.49	-1.40	1.68	1.20	6.20E-03	6.73E-01	9.38E-02
Acidic phosphoprotein	1.13	-1.11	-1.72	1.03	-1.95	-1.90	5.01E-02	7.90E-03	3.00E-04
Acidic phosphoprotein	-1.09	-1.09	4.79	-1.19	5.22	4.40	2.40E-03	4.00E-04	4.70E-05
ADP/ATP translocase 3	-1.03	-1.02	-1.75	-1.05	-1.70	-1.78	4.97E-02	6.20E-03	1.25E-02
Aminoacylase-1	-1.19	-1.28	-1.22	-1.52	-1.02	-1.55	3.04E-01	5.30E-03	1.38E-01
Angiogenic factor VG5Q	-1.04	1.16	1.54	1.12	1.60	1.80	1.66E-01	5.10E-03	2.10E-03
Apomucin	1.07	-1.70	-1.74	-1.59	-1.86	-2.96	7.33E-01	1.80E-03	1.40E-03

Atrial natriuretic peptide-converting enzyme	1.13	-1.24	3.49	-1.09	3.08	2.82	7.60E-03	1.10E-03	1.90E-03
basic leucine zipper nuclear factor 1	1.30	1.17	3.08	1.52	2.36	3.60	1.00E-02	1.00E-04	1.40E-03
Brain mitochondrial carrier protein-1	-1.11	1.10	-1.84	-1.01	-1.65	-1.67	5.00E-02	5.80E-03	2.15E-02
BTG1 protein	1.04	-1.27	2.16	-1.22	2.08	1.70	1.12E-02	6.00E-03	3.90E-05
C61 protein	-1.01	1.12	1.49	1.11	1.51	1.67	3.17E-01	1.78E-02	5.00E-03
Catalase	1.34	-1.00	1.91	1.34	1.42	1.91	3.99E-01	4.10E-03	3.14E-02
Catalase	1.13	-1.11	2.44	1.02	2.15	2.20	1.56E-02	2.70E-03	1.51E-02
Cathepsin Z	1.12	1.04	-2.08	1.17	-2.33	-2.00	4.64E-02	3.47E-02	4.80E-03
CIITA	1.16	-1.07	1.71	1.08	1.48	1.60	6.71E-02	2.80E-03	3.05E-02
Collagen alpha 1(X) chain	-1.12	1.31	-3.38	1.16	-3.01	-2.59	1.80E-03	3.00E-04	2.00E-04
Collagen alpha 2(I) chain	1.24	1.14	-2.24	1.41	-2.77	-1.96	9.10E-03	2.93E-02	1.00E-04
Complement C1q tumor necrosis factor-related protein 5	-1.10	1.74	-1.99	1.58	-1.81	-1.15	2.50E-03	2.61E-01	8.47E-01
Complement C4	-1.07	-1.74	1.92	-1.86	2.05	1.10	5.70E-03	8.89E-01	4.05E-01
complement component 3	1.65	1.86	-1.16	3.08	-1.93	1.60	1.12E-02	3.70E-03	8.57E-01
Complement component C8 beta chain	-1.37	-1.14	-1.37	-1.56	1.00	-1.56	5.47E-01	6.00E-04	2.14E-01
Complement factor H-related protein 1	1.05	1.05	1.53	1.10	1.45	1.60	1.73E-01	5.50E-03	6.70E-03
CXXC finger 5	-1.05	-1.11	1.79	-1.16	1.88	1.62	1.90E-02	1.43E-02	8.00E-04
CYP1A	-1.19	1.17	8.78	-1.02	10.46	10.27	2.00E-04	2.10E-05	1.10E-05
CYP2J5	-1.31	-1.09	1.08	-1.43	1.41	-1.01	8.03E-02	4.22E-02	4.30E-03
Death-associated protein 1	1.15	-1.02	1.59	1.12	1.39	1.56	1.93E-01	5.50E-03	3.11E-02
Desmin	1.11	1.15	1.64	1.28	1.47	1.88	4.63E-01	6.30E-03	1.11E-02
DNA topoisomerase I	1.03	1.80	-2.11	1.84	-2.17	-1.18	3.70E-03	5.46E-01	4.35E-01
DNase II alpha	1.08	1.06	1.17	1.15	1.08	1.25	9.10E-01	1.86E-02	3.00E-04
Dual specificity protein kinase CLK1	-1.05	1.12	1.30	1.07	1.36	1.45	4.90E-01	6.80E-02	5.00E-03
Ependymin	-1.07	1.13	1.99	1.06	2.13	2.25	1.65E-02	7.00E-04	2.00E-04
ETHE1 protein	-1.29	-1.03	2.22	-1.32	2.87	2.17	2.80E-03	3.41E-02	2.20E-03

Ferritin M	-1.30	1.13	1.46	-1.15	1.89	1.64	9.61E-02	1.85E-01	2.10E-03
Glutathione S-transferase 1	-1.42	-1.84	2.24	-2.62	3.18	1.21	1.34E-02	5.78E-01	6.40E-03
Glycogen synthase kinase-3 alpha	-1.32	-1.28	-1.10	-1.69	1.20	-1.41	5.01E-02	2.60E-03	6.36E-01
Guanine nucleotide-binding protein G(T) gamma-T1 subunit	1.19	1.10	-1.85	1.31	-2.20	-1.68	9.00E-04	1.31E-02	5.00E-04
Homogentisate 1,2-dioxygenase	1.12	1.05	1.60	1.18	1.42	1.69	1.17E-01	3.00E-04	1.00E-04
Hypothetical 23.7 kDa protein in MDH1-VMA5 intergenic region	-1.31	-1.15	1.90	-1.51	2.48	1.65	6.56E-02	3.78E-01	8.00E-04
Hypothetical 26.3 kDa protein in RAD4-CHD1 intergenic region	1.14	-1.11	3.02	1.03	2.65	2.72	4.70E-03	8.00E-04	4.20E-03
hypothetical protein LOC196463	-1.05	-1.10	-1.42	-1.15	-1.35	-1.56	5.22E-01	2.35E-02	5.60E-03
hypothetical protein LOC76747	-1.07	1.03	1.77	-1.03	1.89	1.83	3.23E-02	6.50E-03	1.30E-03
Isocitrate dehydrogenase	-1.18	1.69	1.13	1.43	1.33	1.91	6.50E-01	1.19E-01	2.30E-03
Keratin, type I	-1.4	-1.21	-1.42	-1.69	-1.01	-1.71	4.82E-01	8.00E-04	1.62E-01
LDH-B	1.22	-1.08	1.73	1.13	1.43	1.61	9.81E-02	2.00E-03	4.63E-02
Lymphocyte antigen Ly-6D	-1.19	1.49	1.35	1.25	1.61	2.01	7.86E-01	3.16E-02	4.40E-03
lymphocyte specific 1	1.07	1.55	-1.42	1.66	-1.52	1.09	3.00E-03	2.27E-01	8.43E-01
Magnesium-chelatase subunit chlI	1.06	-1.06	1.42	-1.00	1.34	1.34	1.49E-01	1.98E-02	1.70E-03
Major vault protein	-1.24	1.16	1.18	-1.07	1.46	1.36	2.08E-01	4.19E-01	1.90E-03
Microsomal glutathione S-transferase 3	1.05	1.37	1.19	1.44	1.13	1.63	3.61E-01	5.00E-03	1.22E-02
Myosin-binding protein C	1.26	-1.18	-1.71	1.07	-2.16	-2.02	8.66E-02	7.02E-02	6.50E-03
NDRG1 protein	1.03	1.56	1.33	1.61	1.29	2.07	4.97E-01	4.20E-03	6.30E-03
Nuclear protein 1	1.3	-1.15	1.45	1.13	1.12	1.26	2.81E-01	4.00E-03	5.93E-01
Parvalbumin beta	-1.02	-1.10	-3.56	-1.12	-3.48	-3.9	6.42E-02	5.00E-03	4.80E-03
Parvalbumin beta	-1.22	1.04	-2.80	-1.18	-2.30	-2.71	2.91E-02	1.00E-03	7.30E-03

Parvalbumin beta	1.08	1.19	-4.44	1.29	-4.82	-3.72	7.00E-04	1.20E-03	9.00E-04
Periplakin	1.38	1.01	-1.87	1.40	-2.57	-1.84	4.60E-03	2.34E-01	5.30E-03
PGE receptor, EP4 subtype	-1.30	-1.00	1.71	-1.30	2.23	1.71	2.71E-02	1.37E-01	8.00E-04
Phosphodeoxyriboaldolase	1.11	-1.07	-1.23	1.04	-1.36	-1.31	1.96E-01	1.19E-01	1.10E-03
Plasma serine protease inhibitor	1.09	1.02	-1.94	1.10	-2.11	-1.91	2.76E-02	1.80E-02	6.10E-03
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2	-1.10	1.22	1.24	1.11	1.36	1.51	6.13E-01	4.76E-02	4.20E-03
Pre-mRNA branch site protein p14	1.12	1.12	-2.00	1.26	-2.24	-1.78	1.72E-02	2.38E-02	4.00E-04
Probable pancreatic secretory proteinase inhibitor	-1.03	1.39	2.37	1.35	2.44	3.29	1.54E-02	3.00E-04	3.00E-04
Proteasome subunit alpha type 2	1.33	1.31	1.65	1.75	1.24	2.17	8.54E-01	2.70E-03	7.67E-02
Protein C18orf37 homolog	1.10	-1.12	2.54	-1.01	2.30	2.28	4.50E-03	1.60E-03	7.40E-03
Protein C20orf149	-1.01	-1.02	1.39	-1.04	1.41	1.36	1.86E-01	6.62E-02	5.20E-03
Protein disulfide-isomerase A4	1.20	-1.20	-1.15	1.00	-1.38	-1.38	3.86E-01	2.30E-01	3.10E-03
quiescin Q6 isoform a	1.36	1.50	3.26	2.04	2.40	4.89	5.15E-01	2.30E-03	2.20E-03
retinoblastoma-associated factor 600	-1.13	1.39	-1.03	1.23	1.10	1.35	2.80E-01	1.74E-01	3.50E-03
RNA 3'-terminal phosphate cyclase-like protein	-1.07	-1.33	1.95	-1.41	2.08	1.47	6.20E-03	8.64E-02	2.58E-02
SH3-binding kinase similar to butyrophilin-like 2	-1.27	1.92	-1.22	1.51	1.04	1.57	8.92E-02	2.36E-01	2.00E-04
	1.06	1.41	-2.16	1.49	-2.28	-1.53	8.00E-04	6.35E-02	3.23E-02
Small inducible cytokine A4 homolog	-1.11	1.14	1.34	1.02	1.49	1.52	3.83E-01	9.20E-02	2.60E-03
Stathmin	-1.06	-2.10	2.14	-2.23	2.27	1.02	4.60E-03	8.60E-01	7.11E-01

T-cell receptor T3 delta chain	1.21	1.04	8.51	1.25	7.05	8.82	8.00E-04	1.00E-04	2.00E-04
Trafficking protein particle complex subunit 4	-1.21	1.39	1.26	1.15	1.52	1.74	8.36E-01	1.49E-01	4.00E-04
Transposon TX1 hypothetical 149 kDa protein	1.20	-1.02	-2.1	1.18	-2.53	-2.14	3.00E-02	3.07E-02	3.20E-03
Tubulointersititial nephritis antigen-related protein	-1.04	-1.22	3.85	-1.27	4.00	3.15	3.38E-02	1.45E-02	2.80E-03
Type II antifreeze protein	-1.59	2.12	-3.88	1.33	-2.44	-1.83	4.00E-04	4.00E-04	4.04E-01
Tyrosine aminotransferase	1.01	-1.12	2.64	-1.11	2.62	2.37	1.20E-03	5.00E-04	6.00E-04
UnAn_20939	1.08	1.52	-1.69	1.65	-1.83	-1.11	5.80E-03	8.89E-01	2.81E-01
UnAn_21166	-1.30	1.23	1.26	-1.06	1.64	1.55	3.78E-01	3.38E-01	1.40E-03
UnAn_21996	1.03	1.01	1.84	1.04	1.78	1.85	7.51E-02	3.70E-03	5.00E-04
UnAn_22121	-1.25	-1.46	-1.38	-1.82	-1.11	-2.02	3.31E-01	1.90E-03	3.55E-02
UnAn_22239	1.04	-1.31	-1.19	-1.26	-1.24	-1.56	8.76E-01	7.75E-02	3.70E-03
UnAn_22354	-1.66	3.06	-3.45	1.84	-2.07	-1.13	3.20E-03	4.95E-02	1.83E-01
UnAn_22442	1.11	1.03	-1.28	1.14	-1.43	-1.25	5.18E-02	2.18E-01	1.00E-03
UnAn_22453	-1.08	1.26	1.10	1.17	1.19	1.39	7.76E-01	7.38E-02	3.70E-03
UnAn_22706	1.05	-1.05	-1.60	-1.00	-1.68	-1.68	1.29E-01	1.43E-02	1.00E-04
UnAn_22816	-1.18	-1.24	-1.23	-1.47	-1.04	-1.53	4.81E-01	6.10E-03	9.20E-02
UnAn_22871	1.02	-1.08	-2.37	-1.07	-2.40	-2.56	1.95E-02	1.10E-03	7.00E-04
UnAn_22872	-1.22	-1.02	-4.02	-1.25	-3.28	-4.11	8.40E-03	3.00E-04	2.20E-03
UnAn_22873	-1.54	2.60	-5.08	1.69	-3.30	-1.96	1.00E-04	2.00E-04	1.32E-01
UnAn_23047	-1.08	1.06	1.74	-1.02	1.88	1.85	1.89E-02	5.40E-03	1.90E-03
UnAn_23180	-1.14	-1.05	2.60	-1.20	2.96	2.47	2.90E-03	5.00E-03	1.70E-03
UnAn_23258	1.19	-1.51	-1.92	-1.27	-2.28	-2.90	2.49E-01	7.80E-03	2.10E-03
UnAn_23396	-1.08	1.05	-2.04	-1.03	-1.89	-1.95	1.29E-01	1.27E-02	6.20E-03
UnAn_23417	1.13	-1.04	-1.56	1.09	-1.77	-1.61	1.09E-01	7.62E-02	4.90E-03
UnAn_23426	-1.09	1.28	1.27	1.17	1.39	1.62	7.82E-01	4.80E-02	2.50E-03
UnAn_23456	-1.01	1.22	-3.11	1.21	-3.10	-2.55	2.80E-03	1.20E-03	7.00E-04
UnAn_23457	1.02	1.22	-2.85	1.25	-2.91	-2.34	1.70E-03	3.10E-03	3.30E-03
UnAn_23472	-1.02	1.25	-2.98	1.22	-2.93	-2.39	3.63E-02	1.25E-02	6.00E-04
UnAn_23473	1.04	-1.31	-2.43	-1.26	-2.54	-3.19	3.63E-02	4.00E-04	3.00E-04

UnAn_23553	-1.24	-1.40	1.79	-1.73	2.22	1.28	6.50E-03	8.52E-01	2.73E-02
UnAn_23610f	-1.00	-1.27	2.53	-1.27	2.54	1.99	4.10E-03	2.70E-03	2.00E-04
UnAn_23610r	-1.09	1.44	3.43	1.32	3.74	4.93	8.97E-02	1.00E-03	4.30E-05
UnAn_23738	-1.00	1.28	-3.48	1.27	-3.46	-2.72	8.60E-03	4.30E-03	1.70E-03
UnAn_26838	1.15	-1.48	-1.47	-1.29	-1.69	-2.18	5.80E-01	2.30E-03	4.30E-05
UnAn_26842	-1.24	1.00	1.10	-1.24	1.37	1.10	9.18E-02	2.21E-01	2.40E-03
UnAn_26954	1.05	-1.44	-1.12	-1.38	-1.17	-1.62	4.99E-01	3.52E-02	4.10E-03
UnAn_27136	-1.09	-1.04	-1.35	-1.14	-1.24	-1.41	2.57E-01	2.40E-03	1.90E-02
UnAn_27220	1.09	1.12	-2.79	1.22	-3.04	-2.50	3.00E-03	4.60E-03	2.60E-03
UnAn_27282	-1.05	2.14	-2.78	2.05	-2.65	-1.29	2.60E-03	2.18E-01	3.48E-01
UnAn_27313	1.09	1.17	-1.26	1.28	-1.38	-1.08	6.73E-02	8.91E-01	2.40E-03
UnAn_27329	1.03	-1.02	-1.49	1.01	-1.53	-1.52	8.25E-02	1.37E-02	2.60E-03
UnAn_27580	-1.10	-1.11	-1.54	-1.22	-1.40	-1.71	3.15E-01	2.60E-03	7.90E-03
UnAn_27682	-1.02	-1.32	-1.18	-1.35	-1.16	-1.57	6.28E-01	1.64E-02	4.00E-03
UnAn_27774	-1.04	-1.54	-1.25	-1.61	-1.20	-1.93	4.62E-01	8.70E-03	6.50E-03
UnAn_27892	-1.26	-1.22	1.54	-1.54	1.95	1.27	2.16E-02	9.77E-01	5.90E-03
UnAn_27910	1.14	-1.25	6.24	-1.10	5.49	4.98	5.00E-05	1.40E-05	1.00E-04
UnAn_27931	-1.45	-1.44	-1.27	-2.09	1.15	-1.82	8.06E-02	7.00E-04	1.83E-01
UnAn_27936	1.03	-1.73	2.00	-1.68	1.95	1.16	2.60E-03	2.76E-01	3.81E-01
UnAn_27946	-1.01	1.06	-1.64	1.05	-1.62	-1.54	4.28E-02	9.20E-03	1.70E-03
UnAn_27991	-1.05	-1.20	-1.58	-1.26	-1.51	-1.90	3.70E-01	5.20E-03	1.19E-02
UnAn_28041	-1.13	-1.09	3.78	-1.23	4.26	3.45	5.30E-03	1.80E-03	3.00E-04
UnAn_28072	1.38	-1.21	1.71	1.14	1.24	1.41	1.80E-01	4.20E-03	8.50E-01
UnAn_28168	1.02	-1.28	1.05	-1.25	1.02	-1.23	4.73E-02	3.02E-02	4.90E-03
UnAn_28216	-1.11	1.15	-2.06	1.04	-1.85	-1.79	2.23E-02	4.40E-03	1.87E-02
UnAn_28350	1.16	-1.28	-1.39	-1.10	-1.61	-1.78	4.16E-01	4.12E-02	3.70E-03
UnAn_28436	-1.05	1.77	-1.85	1.68	-1.76	-1.05	2.00E-03	4.95E-01	9.75E-01
UnAn_28575	1.09	1.36	-1.52	1.48	-1.65	-1.12	2.50E-03	8.34E-01	2.30E-01
UnAn_28749	1.10	1.96	-2.83	2.16	-3.12	-1.44	7.00E-04	2.36E-01	7.99E-02
UnAn_28776	1.16	1.06	2.14	1.23	1.84	2.26	1.82E-01	3.30E-03	4.60E-03
UnAn_28943	1.10	1.21	-1.80	1.33	-1.98	-1.49	1.74E-02	7.60E-02	3.00E-04
UnAn_29008	1.03	1.18	1.95	1.22	1.90	2.31	1.57E-02	9.00E-04	1.20E-03
UnAn_29009	-1.11	-1.30	2.96	-1.45	3.30	2.27	1.91E-02	3.12E-02	2.20E-03
UnAn_29159	1.09	-1.13	5.14	-1.04	4.73	4.53	2.20E-03	2.00E-04	3.00E-04
UnAn_29186	-1.27	-1.18	-4.11	-1.51	-3.23	-4.86	6.84E-02	4.20E-03	2.00E-02
UnAn_29337	1.06	-1.51	-1.09	-1.42	-1.16	-1.65	3.69E-01	3.18E-02	4.80E-03
UnAn_29411	-1.04	-1.05	12.88	-1.09	13.42	12.3	2.00E-04	1.00E-04	1.00E-04
UnAn_29519	1.30	-1.51	-1.24	-1.16	-1.61	-1.87	8.73E-01	1.77E-01	4.00E-03

UnAn_29527	1.06	-1.26	-1.11	-1.19	-1.17	-1.40	7.61E-01	7.63E-02	5.60E-03
UnAn_29734	1.23	1.21	-2.18	1.49	-2.68	-1.80	1.20E-03	3.16E-02	1.20E-03
UnAn_29811	1.10	-1.41	-1.03	-1.29	-1.13	-1.45	3.88E-01	6.22E-02	1.00E-04
UnAn_29863	1.16	1.23	-1.54	1.43	-1.78	-1.25	7.69E-02	6.97E-01	9.00E-04
Uridine phosphorylase 1	-1.06	-1.25	3.64	-1.32	3.85	2.91	9.00E-04	1.00E-03	5.00E-04
VAMP-associated protein A	1.37	-1.09	1.05	1.25	-1.31	-1.04	4.82E-01	7.78E-02	2.70E-03
Zinc finger protein 330	-1.01	1.18	-2.45	1.17	-2.42	-2.07	5.79E-02	2.48E-02	5.80E-03
Zinc finger protein HRX	-1.11	1.13	1.27	1.02	1.42	1.44	3.81E-01	9.91E-02	2.50E-03
