

Supplementary Table B

Treatment	Time (Hours)	Bio Rep	Cy3	Cy5	Ratio Upper Limit	Ratio Lower Limit	Outliers
Estrogen (No Serum)	1	1	Estrogen	Ethanol	1.52	0.66	134
Estrogen (No Serum)	1	1	Estrogen	Ethanol	1.50	0.68	134
Estrogen (No Serum)	1	1	Ethanol	Estrogen	1.34	1.74	119
Estrogen (No Serum)	1	1	Ethanol	Estrogen	1.35	0.74	123
Estrogen (No Serum)	1	2	Estrogen	Ethanol	1.40	0.71	180
Estrogen (No Serum)	1	2	Estrogen	Ethanol	1.57	0.64	258
Estrogen (No Serum)	1	2	Ethanol	Estrogen	1.48	0.67	101
Estrogen (No Serum)	1	2	Ethanol	Estrogen	1.58	0.63	71
Estrogen (No Serum)	4	1	Estrogen	Ethanol	1.59	0.63	101
Estrogen (No Serum)	4	1	Estrogen	Ethanol	1.61	0.62	63
Estrogen (No Serum)	4	1	Ethanol	Estrogen	1.53	0.65	73
Estrogen (No Serum)	4	1	Ethanol	Estrogen	1.53	0.65	69
Estrogen (No Serum)	4	2	Estrogen	Ethanol	1.45	0.69	161
Estrogen (No Serum)	4	2	Estrogen	Ethanol	1.47	0.68	158
Estrogen (No Serum)	4	2	Ethanol	Estrogen	1.38	0.72	145
Estrogen (No Serum)	4	2	Ethanol	Estrogen	1.43	0.70	111
Estrogen (No Serum)	12	1	Estrogen	Ethanol	1.59	0.63	79
Estrogen (No Serum)	12	1	Estrogen	Ethanol	1.51	0.66	121
Estrogen (No Serum)	12	1	Ethanol	Estrogen	1.62	0.62	79
Estrogen (No Serum)	12	1	Ethanol	Estrogen	1.69	0.59	68
Estrogen (No Serum)	12	2	Estrogen	Ethanol	1.54	0.65	110
Estrogen (No Serum)	12	2	Estrogen	Ethanol	1.62	0.62	72
Estrogen (No Serum)	12	2	Ethanol	Estrogen	1.66	0.60	73
Estrogen (No Serum)	12	2	Ethanol	Estrogen	1.57	0.64	119
Estrogen (No Serum)	24	1	Estrogen	Ethanol	1.77	0.56	60
Estrogen (No Serum)	24	1	Estrogen	Ethanol	1.81	0.55	91
Estrogen (No Serum)	24	1	Ethanol	Estrogen	1.71	0.59	100
Estrogen (No Serum)	24	1	Ethanol	Estrogen	1.75	0.57	91
Estrogen (No Serum)	24	2	Estrogen	Ethanol	1.71	0.58	81
Estrogen (No Serum)	24	2	Estrogen	Ethanol	1.73	0.58	114
Estrogen (No Serum)	24	2	Ethanol	Estrogen	1.51	0.66	116
Estrogen (No Serum)	24	2	Ethanol	Estrogen	1.49	0.67	120
Estrogen (CSS)	24	1	Estrogen	Ethanol	1.37	0.73	117
Estrogen (CSS)	24	1	Estrogen	Ethanol	1.41	0.71	118
Estrogen (CSS)	24	1	Ethanol	Estrogen	1.53	0.65	123
Estrogen (CSS)	24	1	Ethanol	Estrogen	1.38	0.73	145
Estrogen (CSS)	24	2	Estrogen	Ethanol	1.47	0.68	89
Estrogen (CSS)	24	2	Estrogen	Ethanol	1.30	0.77	120
Estrogen (CSS)	24	2	Ethanol	Estrogen	1.51	0.66	112
Estrogen (CSS)	24	2	Ethanol	Estrogen	1.48	0.68	102
Ethanol (No Serum)	24	1	Ethanol	No Treatment	1.93	0.52	158
Ethanol (No Serum)	24	1	Ethanol	No Treatment	2.27	0.44	78
Ethanol (No Serum)	24	1	No Treatment	Ethanol	1.45	0.69	78

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Treatment	Time (Hours)	Bio Rep	Cy3	Cy5	Ratio Upper Limit	Ratio Lower Limit	Outliers
Ethanol (No Serum)	24	1	No Treatment	Ethanol	1.46	0.68	74
Estrogen (No Serum)	36	1	Estrogen	Ethanol	1.68	0.59	96
Estrogen (No Serum)	36	1	Estrogen	Ethanol	1.69	0.59	90
Estrogen (No Serum)	36	1	Ethanol	Estrogen	1.66	0.60	80
Estrogen (No Serum)	36	1	Ethanol	Estrogen	1.64	0.61	84
Estrogen (No Serum)	36	2	Estrogen	Ethanol	1.66	0.60	226
Estrogen (No Serum)	36	2	Estrogen	Ethanol	1.79	0.56	221
Estrogen (No Serum)	36	2	Ethanol	Estrogen	1.75	0.57	104
Estrogen (No Serum)	36	2	Ethanol	Estrogen	1.56	0.64	127
Estrogen (No Serum)	48	1	Estrogen	Ethanol	1.67	0.60	110
Estrogen (No Serum)	48	1	Estrogen	Ethanol	1.78	0.98	97
Estrogen (No Serum)	48	1	Ethanol	Estrogen	1.53	0.65	111
Estrogen (No Serum)	48	1	Ethanol	Estrogen	1.56	0.64	104
Estrogen (No Serum)	48	2	Estrogen	Ethanol	1.47	0.68	132
Estrogen (No Serum)	48	2	Estrogen	Ethanol	1.43	0.70	126
Estrogen (No Serum)	48	2	Ethanol	Estrogen	1.49	0.67	155
Estrogen (No Serum)	48	2	Ethanol	Estrogen	1.50	0.67	134

Summary information for all of the hybridizations that were performed. Columns 1 and 2 list the treatment and time point being examined. Column 3 indicates the biological replicate from which the RNA was extracted. Column 4 and 5 list the treatment condition that was labeled with either Cy3 or Cy5 for each hybridizations. Column 6 and 7 list the fold-induction (Column 6) or -repression (Column 7) that defined the 95% confidence interval. Column 8 indicates the number of genes that were identified as being up- or down-regulated at the 95% confidence level for a given hybridization. NOTE: To increase the statistical confidence in the data, only genes found to be altered at the 95% confidence interval in at least four out of the eight hybridizations for a given time point were considered as being regulated by estrogen (see Table 2 for a list of these genes).