

Supplemental Material

Tables:

Table S1: Top 50 genes that were upregulated more than 2-fold with 1 μ M sodium arsenite treatment.

Genes	Fold change
metallothionein 1G	39.4
metallothionein 1E	33.7
histone cluster 1, H3j histone cluster 1, H2bn histone cluster 1, H3a histone cluster 1, H3d histone cluster 1, H3c histone cluster 1, H3e histone cluster 1, H3i histone cluster 1, H3g histone cluster 1, H3h histone cluster 1, H3b histone cluster 1, H3f	31.8
metallothionein 1X	29.1
histone cluster 1, H2ab histone cluster 1, H2ae	24.0
RNA, small nucleolar	22.9
polo-like kinase 2 (Drosophila)	21.7
heat shock 70kDa protein 6 (HSP70B')	21.0
CDC28 protein kinase regulatory subunit 2	21.0
histone cluster 1, H3b histone cluster 1, H2bn histone cluster 1, H3a histone cluster 1, H3d histone cluster 1, H3c histone cluster 1, H3e histone cluster 1, H3i histone cluster 1, H3g histone cluster 1, H3j histone cluster 1, H3h histone cluster 1, H3f	20.9
histone cluster 2, H2bf histone cluster 2, H2ba histone cluster 2, H3, pseudogene 2	20.3
heat shock 70kDa protein 2	19.5
histone cluster 1, H2bb	19.4
histone cluster 1, H4d histone cluster 4, H4 histone cluster 2, H4b histone cluster 1, H4i histone cluster 1, H4a histone cluster 1, H4f histone cluster 1, H4k histone cluster 1, H4j histone cluster 1, H4c histone cluster 1, H4h histone cluster 1, H4b histone cluster 1, H4e histone cluster 1, H4l histone cluster 2, H4a	19.0
heat shock 70kDa protein 1B heat shock 70kDa protein 1A	18.8
heat shock 70kDa protein 1B heat shock 70kDa protein 1A	18.7
histone cluster 1, H4a histone cluster 4, H4 histone cluster 2, H4b histone cluster 1, H4i histone cluster 1, H4d histone cluster 1, H4f histone cluster 1, H4k histone cluster 1, H4j histone cluster 1, H4c histone cluster 1, H4h histone cluster 1, H4b histone cluster 1, H4e histone cluster 1, H4l histone cluster 2, H4a	18.2

metallothionein 2A	18.0
heat shock 70kDa protein 1B heat shock 70kDa protein 1A	17.4
histone cluster 2, H2bf histone cluster 2, H2ba	17.2
small nucleolar RNA, C/D box 75	16.9
histone cluster 1, H3h histone cluster 1, H2bn histone cluster 1, H3a histone cluster 1, H3d histone cluster 1, H3c histone cluster 1, H3e histone cluster 1, H3i histone cluster 1, H3g histone cluster 1, H3j histone cluster 1, H3b histone cluster 1, H3f	16.6
histone cluster 1, H1a	16.5
histone cluster 1, H3a histone cluster 1, H2bn histone cluster 1, H3d histone cluster 1, H3c histone cluster 1, H3e histone cluster 1, H3i histone cluster 1, H3g histone cluster 1, H3j histone cluster 1, H3h histone cluster 1, H3b histone cluster 1, H3f	16.0
histone cluster 1, H2ag histone cluster 1, H2ai histone cluster 1, H2ak histone cluster 1, H2aj histone cluster 1, H2al histone cluster 1, H2am	15.8
histone cluster 1, H2bg histone cluster 1, H2bf histone cluster 1, H2be histone cluster 1, H2bi histone cluster 1, H2bc	15.1
metallothionein 1G	14.8
small nucleolar RNA, C/D box 25 small nucleolar RNA host gene (non-protein coding) 1	14.2
small nucleolar RNA, C/D box 74	14.1
heat shock 70kDa protein 1A heat shock 70kDa protein 1B	14.1
heat shock 70kDa protein 1A heat shock 70kDa protein 1B	13.9
histone cluster 2, H2be	13.8
histone cluster 1, H2am histone cluster 1, H2ai histone cluster 1, H2ak histone cluster 1, H2aj histone cluster 1, H2al histone cluster 1, H2ag	13.6
regulator of G-protein signaling 2, 24kDa	13.1
RNA, U5E small nuclear	12.8
histone cluster 1, H4l histone cluster 4, H4 histone cluster 2, H4b histone cluster 1, H4i histone cluster 1, H4a histone cluster 1, H4d histone cluster 1, H4f histone cluster 1, H4k histone cluster 1, H4j histone cluster 1, H4c histone cluster 1, H4h histone cluster 1, H4b histone cluster 1, H4e histone cluster 2, H4a	12.7
SERTA domain containing 1	12.6
RNA, U11 small nuclear	12.5

histone cluster 1, H2ai histone cluster 1, H3h histone cluster 1, H2ak histone cluster 1, H2aj histone cluster 1, H2al histone cluster 1, H2am histone cluster 1, H2ag histone cluster 1, H2bn histone cluster 1, H3a histone cluster 1, H3d histone cluster 1, H3c histone cluster 1, H3e histone cluster 1, H3i histone cluster 1, H3g histone cluster 1, H3j histone cluster 1, H3b histone cluster 1, H3f	12.4
heme oxygenase (decycling) 1	11.9
heat shock 70kDa protein 6 (HSP70B')	11.7
histone cluster 1, H4b histone cluster 4, H4 histone cluster 2, H4b histone cluster 1, H4i histone cluster 1, H4a histone cluster 1, H4d histone cluster 1, H4f histone cluster 1, H4k histone cluster 1, H4j histone cluster 1, H4c histone cluster 1, H4h histone cluster 1, H4e histone cluster 1, H4l histone cluster 2, H4a	11.5
small nucleolar RNA, C/D box 77	10.7
small nucleolar RNA, C/D box 27 small nucleolar RNA host gene (non-protein coding) 1	10.6
histone cluster 1, H2bj	10.5
histone cluster 1, H2ah	10.2
histone cluster 1, H3c histone cluster 1, H2bn histone cluster 1, H3a histone cluster 1, H3d histone cluster 1, H3e histone cluster 1, H3i histone cluster 1, H3g histone cluster 1, H3j histone cluster 1, H3h histone cluster 1, H3b histone cluster 1, H3f	10.2
histone cluster 2, H3a histone cluster 2, H3c histone cluster 2, H3d	10.1
histone cluster 2, H3a histone cluster 2, H3c histone cluster 2, H3d	10.1

