

Supplementary Information

Strain differences in arsenic-induced oxidative lesion via arsenic biomethylation between C57BL/6 and 129X1/SvJ mice

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Table S1. Genes and primers for real time RT-qPCR

Gene	GenBank Accession No.	Primers (5'→3')
<i>Homx1</i>	NM_010442.2	Forward: CCTCACTGGCAGGAAATCATC Reverse: CCTCGTGGAGACGCTTTACATA
<i>Nqo1</i>	NM_008706.5	Forward: TATCCTTCCGAGTCATCTCTAGCA Reverse: TCTGCAGCTTCCAGCTTCTTG
<i>Gclc</i>	NM_010295.2	Forward: TGGCCACTATCTGCCCAATT Reverse: GTCTGACACGTAGCCTCGGTAA
<i>Gclm</i>	NM_008129	Forward: ACATTGAAGCCCAGGATTGG Reverse: CCCCTGCTCTTCACGATGAC
<i>Gs</i>	NM_008180.2	Forward: TGCGGTGGTGCTACTGATTG Reverse: CGGCACGCTGGTCAAATAT
<i>Gr</i>	NM_010344.4	Forward: GCACTTGCGTGAATGTTGGA Reverse: CGTGATCGTGCATGAATTCC
<i>Cyt19</i>	NM_020577.2	Forward: GGACGTGGAGATCGTGAGTC

		Reverse: CTGCAGACTTTCCCGGATGT
<i>Mtr</i>	NM_001081128.3	Forward: AACACTTGGCCTACCGGATG
		Reverse: TCTGGCCTTTCCACAGATGG
<i>Mthfr1/2</i>	NM_001161798.1;	Forward: ACCTGAAAAGCAAGTCCCCC
	NM_010840.3	Reverse: GGCAGGTTACTCTGTAGCCA
<i>Pnp</i>	NM_013632.4	Forward: AAGTTCTGGATGCCGGGAAA
		Reverse: AGAGAGCTACTTGGACCCCA
<i>Gstμ1</i>	NM_010358.5	Forward: CAAGATCACCCAGAGCAATGC
		Reverse: CATCCAGGTGGTGCTTTCG
<i>Gstθ1</i>	NM_008185.3	Forward: CTGTACCTGGATCTGCTGTCG
		Reverse: TAGCCACACTCTCACACAGGG
<i>Gstω1</i>	NM_010362.3	Forward: GGATGAGGCCTACCCAGAGA
		Reverse: CAAAGGCGGCACCTTAGAGA
<i>Gstω2</i>	NM_026619.2;	Forward: GTTCCAGGGGAGTAGTTGCC
	NM_030051.1	Reverse: ACAGTCGACAGCACTCTTGC
<i>β-actin</i>	NM_007393.5	Forward: CACTGTCGAGTCGCGTCC
		Reverse: TCATCCATGGCGAACTGGTG
<i>Gapdh</i>	NM_001289726.1;	Forward: GTATGACTCCACTCACGGCAAA
	NM_008084.3	Reverse: GGTCTCGCTCCTGGAAGATG
<i>Aqp3</i>	NM_016689.2	Forward: GCTTTTGGCTTCGCTGTCAC
		Reverse: TAGATGGGCAGCTTGATCCAG
<i>Aqp7</i>	NM_007473.4	Forward: AATATGGTGCGAGAGTTTCTGG

		Reverse: AACCCAAGTTGACACCGAGAT
<i>Aqp9</i>	NM_022026.3;	Forward: TGGTGTCTACCATGTTTCCTCC
	NM_001271843.1	Reverse: AACCCAGAGTTGAGTCCGAGAG
<i>Mrp1</i>	NM_008576.3	Forward: CATGTGGACGTGTTTCGAGATT
		Reverse: CACGAGCTGAACAAGCACAAG
<i>Mrp2</i>	NM_013806.2	Forward: CGACCATCCGGAACGAGTT
		Reverse: CCGCTGTCTAGGACCATTATCT
<i>Mrp3</i>	NM_029600.3	Forward: AGTTTGGCCCGAGCTGTTTA
		Reverse: CAGCCGACAGTGGGTCATC
<i>Mrp4</i>	NM_001163676.1	Forward: ACGCTTCCCAGACTTTGCA
		Reverse: AACCAACACGGGAGCCTTCAG
<i>Mrp5</i>	NM_013790.2;	Forward: CCCTTCCGGACCACTACCA
	NM_176839.1	Reverse: TGTAGGAGAAAAGTCCAGCATTGT
<i>Mrp6</i>	NM_021050.2	Forward: CAGCTCAAACA ACTGGAATCTGA
		Reverse: GCTCGAAGTGTCCAGAGTCCTT

All primers are from Sigma-Aldrich.

Figure

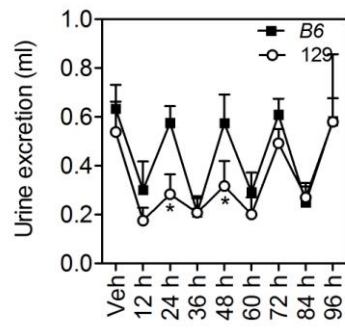


Figure S1 Urine excretion by B6 (closed squares) and 129 (open circles) mice.