

SUPPLEMENTAL INFORMATION
for
**Disruption of the arsenic (+3 oxidation state)
methyltransferase gene in the mouse alters the phenotype
for methylation of arsenic and affects distribution and
retention of orally administered arsenate**

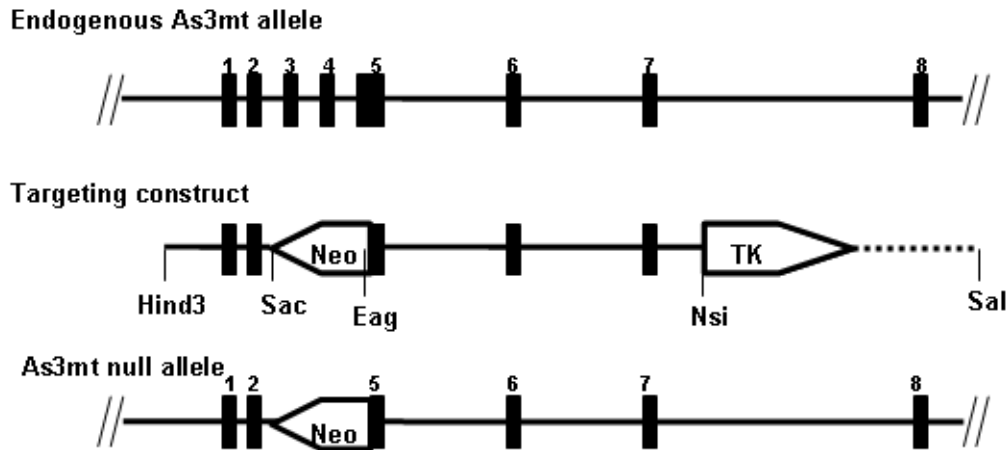
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One supplemental figure is included:

Figure SI-1

Figure SI-1:



Targeted disruption of the mouse *As3mt* gene

- (A) Endogenous *As3mt* - Exons 1-8 are shown by boxes and numbered.
- (B) Targeting construct - Neo gene (NEO) replacing exons 3 and 4 is in the opposite orientation as the *As3mt* gene. Thymidine kinase (TK) gene is in the same orientation as the *As3mt* gene. Broken line indicates vector sequence. A 1.2 kb *Hind3/Sac1* fragment and a 6.6 kb *Eag1/Nsi1* fragment were used as the two arms of homology.
- (C) Targeted locus depicted after a homologous crossover.