

**Table S1** Primers used in this study.

Name	Sequence (5'-3')
<i>EF</i>	F: ATTCAAGTATGCCTGGGTGC
	R: CAGTCAGCCTGTGATGTTCC
<i>MdTDC</i>	F: TCACGCTGTGGTTGGAGGT
	R: CTGCATGCTCCTGAACCAAC
<i>MdT5H4</i>	F: TCGGTGACATGTTTGCTGC
	R: GGAAACCTTGGTCTGGCG
<i>MdAANAT2</i>	F: GAATCACCGTCCACGCTCC
	R: GAAATGCTTCCGATGTCCC
<i>MdASMT1</i>	F: AGAGGAGCGAGAAAGACTGGA
	R: CTAAAGAAAACTTCAATGAGGGAT
<i>MdSOS1</i>	F: TCCGGTTAATCCATCACACACCGT
	R: TTTGCTGCCCTGGAGGATTTGTTG
<i>MdSOS2</i>	F: CAAAAGCACCATTCTCAAGCAC
	R: CCGACCAGCCAAAACCTCT
<i>MdSOS3</i>	F: AAGGCAAGGCGGCAGTTT
	R: GCGAGGCATTGGGATGAA
<i>MdNHX1</i>	F: AAGCGACAGTCCTGGAACATCAGT
	R: TATTATCACTTGCTGCCGGAGGCT
<i>MdNHX2</i>	F: ATGCGTGGCTCTGTTTCAAT
	R: AACTGTGATGGTGCTGGTGA
<i>MdNHX4</i>	F: ATCACCAAAACCACCAACCA
	R: GCCCACTTCTTAGGCAACG
<i>MdAKT1</i>	F: GCGGAGACGAAAAGTCCTAA
	R: AGTGGGAGCAGCACAAGTTT