**Table S1** Primer sequences for PCR

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| Gene | Forward primer sequence (5′→3′) | Reverse primer sequence (5′→3′) |
| *MdACTIN* | TGGTGTCATGGTTGGTATGG | CCGTGCTCAATGGGATACTT |
| *MdNRT1.1* | TTGGCTCTGACCAGTTCGAC | ACGGTACTGTCTTGTGCCTG |
| *MdNRT1.2* | TGTTGACTGGAGAAGCCGAC | GTGACATCGTTTGCCGCTTT |
| *MdNRT1.5* | GTGGTCATGAAGTTCTCGACAGAG | TCAGACTTTCAAGTTTCCTTGATCAT |
| *MdNRT2.1* | TTGAGAGTTTGACAAGATAAACGCA | AACTGACGGGTGGGGAAATC |
| *MdSUT1.1* | GTGGTAATTTACCGGCATTTGTCG  | AAGCTAGAGGCCGTAGGGCAAG |
| *MdSUT1.2* | CGAAGACAGAAAGTGTGTGTCCTG | GTAGGGGGTGAGGAGGGAGAG |
| *MdSOT1* | GACAGAACCTCAGACTCCAAAG | TGACCAGAGACCTGAACGATA |
| *MdSOT2* | CGTATCCAACTATGCCTTCTCC | GACACCGACGGCAAGAATAA |
| *MdSOT3* | GCCGGTACTCTAAACATCTACTC | GAAGATGACTCCCGCAAGAA |