

Table S2 Primers of *AhMDHs* family for qRT-PCR detection

Primer name	Gene ID	Forward Sequence (5' to 3')	Reverse Sequence (5' to 3')
<i>AhMDH1</i>	LOC112790043	TAGCCCTGTCTCCACTGCAT	TACACACAGGCCGCAATAGG
<i>AhMDH2</i>	LOC112718423	CCGTTGGAATCACCCACAGA	TTGGGACTCCAATGTCACGG
<i>AhMDH3</i>	LOC112776877	CATCCAAGGCACAAACGCAA	GCAATTATCAGCCACAGCCG
<i>AhMDH4</i>	LOC112791339	AAGATCGTCGGCTGCATCAA	TTCGATCGGCATGGCATACT
<i>AhMDH5</i>	LOC112711210	CACCGGGATTCAAGGTAGCA	TTTCCTGGGACACCAGCAG
<i>AhMDH6</i>	LOC112728667	TGAGTCGTCTTCGTGTGC	CACTCGTACACGTCCCCATC
<i>AhMDH7</i>	LOC112776383	CCGGAGTGGTGGAATGTTCT	CGCGACCAAGACGTACCTT
<i>AhMDH8</i>	LOC112800443	CAGGGCAAATCGGGTATGCT	TGCATGCCTCAACCACATCA
<i>AhMDH9</i>	LOC112711491	ATTTTGAAAAAGCCAAAC	AGCAATTGGAACCGTGGAGT
<i>AhMDH10</i>	LOC112737907	ATGGAGCGTGCTGACTTGT	TGCCCCAGATTGTCACGTTT
<i>AhMDH11</i>	LOC112735613	TTGCTGGGTCAATGTACCG	TCCGGCATAAGCCATTGACA
<i>AhMDH12</i>	LOC112726743	TCAAGGAGTTGCTCCGTCC	GTTGAGCCATTCATCGTCGC
<i>AhMDH13</i>	LOC112710233	ACCGTTGGAACTGCCCATAG	TTGCGTTGTGCCTGGATG
<i>AhMDH14</i>	LOC112711212	TCTTGAAAAGCATGCCGCTG	TCATCAACCACAAGCTCCCG
<i>AhMDH15</i>	LOC112722502	TCGCAGGTCAAGGATTTCAC	TGAAACTCGCAGAGGGCTTT