

Table S1 Primers and cycling conditions for *Pvdhfr* and *Pvdhps* genotyping assay

Genes	Sequences (5'→3')	Cycling conditions	Product size (bp)
<i>Pvdhfr</i> (1 st round)	F: caccgcaccagttgattcct R: cctcgcggttggttctct	94 °C 5 min, [94 °C 30 s, 58 °C 30 s, 68 °C 1 min] ×20 cycles, 68 °C 5 min	979
<i>Pvdhfr</i> (2 nd round)	F: cccaccacataacgaag R: cccaccttgctgtaaacc	94 °C 5 min, [94 °C 30 s, 58 °C 30 s, 68 °C 45 s] ×40 cycles, 68 °C 5 min	755
<i>Pvdhps</i> (1 st round)	F: gatggcggtttattgtcg R: gctgatctttgtcttgacg	94 °C 5 min, [94 °C 30 s, 58 °C 30 s, 68 °C 1 min] ×20 cycles, 68 °C 5 min	1009
<i>Pvdhps</i> (2 nd round)	F: gctgtggagaggatgttc R: ccgctcatcagtctgcac	94 °C 5 min, [94 °C 30 s, 58 °C 30 s, 68 °C 45 s] ×40 cycles, 68 °C 5 min	731