

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

Name	Sequence (5'→3') <sup>a</sup>	Purpose
oligo 256	TTCCAAGCAGAGCTTGTCAC	5' <i>brlA</i> for qRT-PCR
oligo 257	CCAGGTTCTTTGCACTTGAA	3' <i>brlA</i> for qRT-PCR
oligo 271	AAATCCATCACATCCACCCT	5' <i>gliZ</i> for qRT-PCR
oligo 272	GGTTGTTCATGGTCAGTTGC	3' <i>gliZ</i> for qRT-PCR
oligo 303	GCTACCACTCTGCATCCTCA	5' <i>abaA</i> for qRT-PCR
oligo 304	TACGAGCTCCAGCATGATTC	3' <i>abaA</i> for qRT-PCR
oligo 305	ACGGCAGGAAGTTGTCTTCT	5' <i>wetA</i> for qRT-PCR
oligo 306	CTGTCAGCGACTTGTTGGAT	3' <i>wetA</i> for qRT-PCR
oligo 319	GGGATCTGATTCACATGCAG	5' <i>laeA</i> for qRT-PCR
oligo 320	GATGGGAATAAATCCTCCGA	3' <i>laeA</i> for qRT-PCR
oligo 346	CCATGTGTGTCGAGTCCTTC	5' <i>efl</i> for qRT-PCR normalization
oligo 347	GAACGTACAGCAACAGTCTGG	3' <i>efl</i> for qRT-PCR normalization
oligo 430	TTCCAAATGTGGCAAGTGAT	5' <i>acyA</i> for qRT-PCR
oligo 431	GCAAACGTGGAATCAATACG	3' <i>lacyA</i> for qRT-PCR
oligo 434	CCACCACCTACAACAACAGC	5' <i>pkaC1</i> for qRT-PCR
oligo 435	TGTGAAGACGCATGATGAGA	3' <i>pkaC1</i> for qRT-PCR

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oligo 697	GCAATGTAAAGCTAACGTGCGTG	5' <i>AnpyrG</i> marker
oligo 698	TGCCTTTAAGCTTCGGGTAGAG	3' <i>AnpyrG</i> marker
oligo 1208	TCCAAGCTGATGGAGCAGAA	5' <i>cyp51A</i> for qRT-PCR
oligo 1209	GTGAATCGCGCAGATAGTCC	3' <i>cyp51A</i> for qRT-PCR
oligo 1210	GCGGGTCAACATTCTTCCTC	5' <i>cyp51B</i> for qRT-PCR
oligo 1211	GAGGCAAGTCAGATCCGAGA	3' <i>cyp51B</i> for qRT-PCR
oligo 1278	CGCGCAGAGAAGACAACCACAT	5' <i>stuA</i> for qRT-PCR
oligo 1279	TGCATAGGGCCAATCTTCACAACA	3' <i>stuA</i> for qRT-PCR
oligo 1320	AGGACTGGACACAGTGGATG	5' <i>srbA</i> for qRT-PCR
oligo 1321	CTAGGCGAAGCATTTCAGT	3' <i>srbA</i> for qRT-PCR
oligo 1468	GCCCTACGATGTAGAAAGGA	5' flanking region of <i>elp3</i>
oligo 1469	<i>CTGATCTACCCCTTGGAACGCAGCACTAACTCGGATAAGCACGAG</i>	3' <i>elp3</i> with <i>AnpyrG</i> tail
oligo 1470	<i>TTTGTAGGCTTTGGGCTGTTCACTGCGACGATGGCAGATC</i>	5' <i>elp3</i> with <i>AnpyrG</i> tail
oligo 1471	AGTAGACGCTCATTGGACCT	3' flanking region of <i>elp3</i>
oligo 1472	GCGACTGAACTTACAGGAGC	5' nested of <i>elp3</i>
oligo 1473	GCGGCTAGGTGGATCAATG	3' nested of <i>elp3</i>
oligo 1474	CCGAGAGCTTGAGGACAGT	5' flanking region of <i>gcnE</i>
oligo 1475	<i>TTTGTAGGCTTTGGGCTGTTCACTCTGGCTTCTTCAACATCC</i>	5' <i>gcnE</i> with <i>AnpyrG</i> tail

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oligo 1476	<i>CTGATCTACCCCTTGGAACGCAGCACTTCATTTTGAAGCGACGGAG</i>	3' <i>gcnE</i> with <i>AnpyrG</i> tail
oligo 1477	GCGAATGCTGGGATGTGTG	3' flanking region of <i>gcnE</i>
oligo 1478	CCGTGATGGCGTTGTGTAG	5' nested of <i>gcnE</i>
oligo 1479	CGAGGGACCAGCTTCTGTAA	3' nested of <i>gcnE</i>
oligo 1561	GCTGCAAGTAGGCGTTTACA	5' <i>medA</i> for qRT-PCR
oligo 1562	GCACGGCCATCTTCATATCC	3' <i>medA</i> for qRT-PCR
oligo 1563	CCCTCTCGACCAGTACATCC	5' <i>uge3</i> for qRT-PCR
oligo 1564	CCAATGTTGTGTGACTGCCA	3' <i>uge3</i> for qRT-PCR
oligo 1581	GCAAGAAAGGCAACAGCAAC	5' <i>somA</i> for qRT-PCR
oligo 1582	GCATATTGAGCGGACCCATC	3' <i>somA</i> for qRT-PCR
oligo 1663	GTCAATTCCCAACGGCTCTC	5' <i>gfaA</i> for qRT-PCR
oligo 1664	ACGCCATGTTTCAGTTCACC	3' <i>gfaA</i> for qRT-PCR
oligo 1691	<i>TAG TTC TGT TAC CGA GCC GGC</i> TCG TGC TTA TCC GAG TTA G	5' <i>elp3</i> with <i>hygB</i> tail for complementation
oligo 1692	<i>GCT CTG AAC GAT ATG CTC CAA</i> CCG TCT TGT CTT TGT TTG ATG TC	3' <i>elp3</i> with <i>hygB</i> tail for complementation
oligo 1693	<i>TAG TTC TGT TAC CGA GCC GGC</i> TCC GTC GCT TCA AAA TGA AG	5' <i>gcnE</i> with <i>hygB</i> tail for complementation
oligo 1694	<i>GCT CTG AAC GAT ATG CTC CAA</i> CAT ACC CAA TGG ATG CAT GGG	3' <i>gcnE</i> with <i>hygB</i> tail for complementation

<sup>a</sup> Tail sequence is in italic.