

Table S7 The primers used for qRT-PCR analysis

Genes	Description	Sequences (5' - 3')	Amplicons (bp)
<i>LfCHS</i>	Forward	CTCGCTTTACTGGATTGCCC	229
	Reverse	CCCAAAGAGTACACCCCACT	
<i>LfCHI</i>	Forward	AGCTCTCGACCTGAACACTC	218
	Reverse	TGGACCAATCTAACCCCACT	
<i>LfF3H</i>	Forward	CATGGGGCTAGAGAAGGAGG	163
	Reverse	ACCCACCTGATCTTGAAGCA	
<i>LfF3'H</i>	Forward	TCCTCACCACCACTTCCATC	198
	Reverse	TCATCTCTTCTCGGGCAAGG	
<i>LfF3'5'H</i>	Forward	GATCGAACGTGGGATGAAGC	106
	Reverse	ATCCGGTTTCCCACTACGTT	
<i>LfDFR</i>	Forward	CGGTTCCCTGCAGATGATGTG	193
	Reverse	GAGGGAAGCTTTGATGACGC	
<i>LfANS</i>	Forward	GGAAGTTGGTGGCATGGAAG	199
	Reverse	TGAATTTGGGACGCACTTGG	
<i>LfBZ1</i>	Forward	TCCCGTCCCGAAATCCTAAC	106
	Reverse	ATCTTCCTTCCACTCTCGGC	
<i>LfGT1</i>	Forward	GGTGGCCTTTGTATGCTGAG	133
	Reverse	AACTCCCTCACTCGCTTCTC	
<i>LfGT2</i>	Forward	GCTCCCCAGTTACAAGTCCT	166
	Reverse	TTTCCACACGTCCTCTACC	
<i>Lf5MAT2</i>	Forward	CGATCGAGTTACTTGTGCTGG	134
	Reverse	GATGGTGATGGGATAGAGGCA	
<i>Lf5AT</i>	Forward	AACTGAATCCCCATCCACGT	137
	Reverse	CGCAGACCACAATTCCTAGC	
<i>LfFLS</i>	Forward	GTCACCTGCAACACCAAGAG	162
	Reverse	CGATTGTAATGCCGAGGGTG	
<i>LfANR</i>	Forward	GTGGGTGGCTTCTGAGTAGTC	186
	Reverse	GATCAAGCCAGCAATCCAGG	
<i>LfLAR</i>	Forward	CTGGCTGCGAAATGGAATGA	227
	Reverse	TTCAACGACTTCATTGCCCG	
<i>LfMYBS3</i>	Forward	GCAACATGGCAGGTCATCAT	208
	Reverse	TGATGGCGTGAAGGTTGTTG	
<i>LfMYBS1</i>	Forward	AAGTACTTCTGGGCATGGCT	116
	Reverse	AGGTTGTTTCTCCTTGGCCT	
<i>LfMYB4</i>	Forward	TCTCCCCGCTATCAATGACC	132
	Reverse	AGTTGCAGGCTGAGATGGAT	
<i>LfMYBC</i>	Forward	TTTGTTCCGGAGCAAGGCATC	150
	Reverse	CCCCGCATTAACCTCATCCG	

<i>LfbHLH63</i>	Forward	TGTTGCACTGTCTGAACACG	209
	Reverse	CTGAAGCTGCTGTCCTTGAC	
<i>LfbHLH48</i>	Forward	GGTGAAGAACGAACCGATGG	146
	Reverse	TGTTCTTCTTGCTCGGTCCT	
<i>LfbHLH67</i>	Forward	AGAAGCCATGGGAGAGGAAC	188
	Reverse	TTGTTCTTGGTTGCACTCGG	
