

Table S1 Primes used in this study

Primer name	Sequence (5-3')	Remarks
GLN1 AF	GAACAAAAGCTGGGTGTGGAGCCCAACGTTAC	Amplify 5'MoGLN1 fragment
GLN1 AR	CAGCGGCGCGCCGAAAATATGGAGCGAGGAGGAT	Amplify 5'MoGLN1 fragment
GLN1 OF	GCAGAGTACGTCTGGATTG	Amplify MoGLN1 ORF
GLN1 OR	GCAGGTGACGGCATAATTC	Amplify MoGLN1 ORF
GLN1 BF	ACCGGGCCGGCCGGATGAGGTTGCCGTAGGACATC	Amplify 3'MoGLN1 fragment
GLN1 BR	GGTGGCGGCCGCTCTGCGTGGTCAATATGGCGAAC	Amplify 3'MoGLN1 fragment
HPH F	TGGAGCTAGTGGAGGTCAAC	Amplify HPH probe
HPHR	CGGCCGCTCTAGAACTAGTG	Amplify HPH probe
HYG/F	GGCTTGGCTGGAGCTAGTGGAGGTCAA	Amplify 5'MoGLN1 fragment
HY/R	GTATTGACCGATTCTTTCGGTCCGAA	Amplify 5'MoGLN1 fragment
YG/F	GATGTAGGAGGGCGTGGATATGTCCT	Amplify 3'HPH fragment
HYG/R	AACCCGCGGTCGGCATCTACTCTATTC	Amplify 3'HPH fragment
GLN2 AF	GAACAAAAGCTGGGTGCTAACAGGGCCAGGTAAAG	Amplify 5'MoGLN2 fragment
GLN2 AR	CAGCGGCGCGCCGAAGATTTGACTGGCGGCATTTC	Amplify 5'MoGLN2 fragment
GLN2 OF	TGTCACATACGTCGAGAACC	Amplify MoGLN2 ORF
GLN2 OR	ACCGACACCACAGTAGTATG	Amplify MoGLN2 ORF
GLN2 BF	ACCGGGCCGGCCGGAAAACCTTGGCTTGGCGAACC	Amplify 3'MoGLN2 fragment
GLN2BR	GGTGGCGGCCGCTCTCGCGCAACTTGACTTTGTCC	Amplify 3'MoGLN2 fragment
GLN3AF	GAACAAAAGCTGGGTCAGGAGGTGTGTGTGGAATG	Amplify 5'MoGLN3 fragment
GLN3AR	CAGCGGCGCGCCGAACTTCTCTGTTCAGGCAAAGC	Amplify 5'MoGLN3 fragment
GLN3 OF	CCAAGGATGGCTTTGGTTTC	Amplify MoGLN3 ORF
GLN3 OR	TGGCCTCGTGAGACTGTA	Amplify MoGLN3 ORF
GLN3 BF	GACAATCGGCTGCTCTGATGCCAGACTTG CATATAGGG	Amplify 3'MoGLN2 fragment
GLN3 BR	CTCCTATGATCGTTTACCCAAATAGGGAAGGGCTGGG	Amplify 3'MoGLN2 fragment
QGLN1 FW	ATGGCGACACAACAGGTATC	qPCR of MoGLN1
QGLN1 RV	CTGTCAATCCAGACGTACTC	qPCR of MoGLN1
QGLN3 FW	ACATGCACGACCAGACCTAC	qPCR of MoGLN3
QGLN3 RV	AAGAACGGGATGTCGTTCTC	qPCR of MoGLN3
Buf1 F	ACGCCGTCTACTCAGGATCA	qPCR of MoBUF1
Buf1 R	TCTCGCCGTTTGAATGTAT	qPCR of MoBUF1
Alb F	GCAATGTCCGGTCCCAACTAC	qPCR of MoALB1
Alb R	ATCTCAAAGGCGATGACACC	qPCR of MoALB1
Rsy1 F	CGACTCCAAGGACTGGGATA	qPCR of MoRSY1
Rsy1 R	GTCTCGGACACCTTCTCC	qPCR of MoRSY1
QCOS1 F	TGTGGTTCCTGTCCCTTCTC	qPCR of MoCOS1
QCOS1 R	TGTAGCCTGGCGAGTCCAAC	qPCR of MoCOS1
QCON6 F	AGTCCAAGCAGCACTCGAAG	qPCR of MoCON6
QCON6 R	CTTGATGGCAGCCTTGAGAC	qPCR of MoCON6
QCON7 F	CACCACCAGCTTTCCTCATC	qPCR of MoCON7
QCON7 R	AACCTGACTGCGAGTAATCC	qPCR of MoCON7
QHOX6 F	TTCCCTTCCCAGTTCACTTC	qPCR of MoHOX6
QHOX6 R	GCTGCTACCGGGAGAATTTG	qPCR of MoHOX6
QMOACTIN F	CCATGTACCCTGGTCTTTTCG	qPCR of MoACTIN
QMOACTIN R	TTCGAGATCCACATCTGCTG	qPCR of MoACTIN
COM1 F	TGAGCGATGACATGCTTGAG	qPCR of MoCOM1
COM1 R	GAGTGATGGGTGCTGTGTTG	qPCR of MoCOM1
QSTUA F	AGGACACGACATGTACTACC	qPCR of MoSTUA
QSTUA R	CTGAGGAGGAGCTGGATAAG	qPCR of MoSTUA
QGLN2 F	TGTCACATACGTCGAGAACC	qPCR of MoGLN2

QGLN2 R	CAGACGTACTCTGCGATGAC	qPCR of <i>MoGLN2</i>
GLN3COMF	GAACAAAAGCTGGGT3'GGTACCCGCTTTCCTCCGCCATTTAG	Amplify <i>MoGLN3</i> Comp frag
GLN3COM R	CTGCAGGCATGCAAGAAGCTTAACTGTTTCGATGTACCTCTT	Amplify <i>MoGLN2</i> Comp frag
GLN2 COM F	GAACAAAAGCTGGGT3'TCCTCCTGTCGGTGAGTTCTG	Amplify <i>MoGLN2</i> Comp frag
GLN2 COM R	CTGCAGGCATGCAAGTGCCTCGCCGAAGCAGGTC	Amplify <i>MoGLN2</i> Comp frag
GLN1 COMF	GAACAAAAGCTGGGT3'TGAGGTTGCCGTAGGACATC	Amplify <i>MoGLN1</i> Comp frag
GLN1 COMR	CTGCAGGCATGCAAGTCTGCGTGGTCAATATGGCGAAC	Amplify <i>MoGLN1</i> Comp frag
