

**Supplementary Table S5.** Primer sequences used in this article. Nucleotide sequences are in the 5' to 3' order.

Name	Nucleotide sequence
<b>Gene cloning</b>	
Br80F1	GCGTTTCTTGATGCGTGCTA
Br80F2	AGCCTAAAAGGCTAGAGTTC
Br80F3	AGGAATACGTTCTGACG
Br80F4	GGATATACAAGGAGTTGACCA
Br80R1	TCAAACCATATGATTAATGAGATCATCAGC
Br80R2	CATTCTTTTCTTTTCTTTTCTAGTTTTATCTCGA
Gh80PF1	CACCAAAACCCATTTTAACTGTAATAAATC
Gh80PF3	CACCAGTTGAAACATTGGAAGGGTT
Gh80SR2	GCCTACATTATTATTTTTTGTGTTAAAGGCTT
<b>Vector construction</b>	
At80-1651 F	AGCAAGCTTCTTCTCCTTCTTCTCGGGATTACTC
At80-1105 F	AGCAAGCTTGGGCAAGGAGCTTCTATGGCCAA
At80-284 F	ACGAAGCTTATGCACATCTGATGCTAATTTTTA
At80-256 F	ATTAAGCTTTGTTTTTCATTTTTGTAAATCAAT
At80-240 F	AGCAAGCTTAAATCAATTTTATTATATATATAC
103+35 R	CGAGGATCCAGGAGTCCATTGTCCTCTCTTC
M1-1	CATCTGATGCTAATTTTTACTATTTTTTCATTTTTGTAAATCAATTT
M2-2	CATCTGATGCTAATTTTTACTATTTTTTCATTTTTTTAAATCAATTTTAT TATATATAT
At80P-TF	CACCGGCAAGGAGCTTCTATGGCCAA
At80P-Gh	CTTCTCACAAACATGGAATCCGACCCATTTCTTCTTTCTTTCTTAG
Gh80-F1	ATGGGTCCGATTCCATGTTGTGAG
Gh32R	TTAAGGAGGACTTATTCTTAGCTCCAGATTTAAGTCCAAACCTGGTGG CTGATCCTGAGTTCAAGGTTCAAATCTAATCCTTTTTTGTGTTAAAGGC TTCTC
GhMD32R	TTAAGGAGGACTTATTCTTAGCTCCAGATTTAAGTCCAAACCTGGTGG CTGATCCTGAGTTCAAGGTTCAAATCTAATCCATCGATACGTTTCTTAG TTAGCAGGTGG
At80MP-F	GATCCGGTGACCCACAAGCCTCTAAACCAAATCAACTTTTCAAACC
At80MP-R	AGGCTTGTGGGTCACCGGATC
At80MD-R	TCAGTCAACACGTTTCTTGGTGAGCAA
Bn80-F1	ATGGATCCTCACGTGGGGGTCCTGTAATTGAC
Bn80-F2	ATGGATCCGAAGTCTCAAACGTAAATGCGT
Bn80-F3	ATGGATCCTGATTCAACCCCTAATGTAAACTG
Bn80-R1	TCTTCTTTCTAGTTTTTATCTCTC
Bn80-32R	CAGTAAGCTTTTAAGGAGGACTTATTCTTAGCTCCAGATTTAAGTCCAA ACCAACCACATGATTAATGAGATC
Bn80-32R2	TGACAAGCTTTTAAGGAGGACTTATTCTTAGCTCCAGATTTAAGTCCAA ACCTGGTGGACTGATCCTGAGTTCAAGGTTCAAATCTAATCCAACCACA TGATTAATGAGATC
<b>RT-PCR/qPCR</b>	
Gh80-F1	ATGGGTCCGATTCCATGTTGTGAG
Gh80-R3	TGTAGTGGCTATCTCAGCCATGAGGTGAGA
qAt80-F	CTCCATCTTGTCCTTCGTTTG
qAt80-R	GGTCTGGCGGGATGCCTTCC
qGh80-F	TAATTACCTTCGGCCGGACC
qGh80-R	TCCGACCAGGTAACCTGTGCT
GhTUB-F	CAGGTATGCCATTCTTTGGGAGG

---

GhTUB-R	CGGGATCCATTCAACAAAGTAAGA
GhUBQ-F	CTCCATCTTGCCTTCGTTTG
GhUBQ-R	GGTCTGGCGGGATGCCTTCC
UBQ-F	TCCGGATCAGCAGAGGCTTA
UBQ-R	TCAGAACTCTCCACCTCAAG
At80En-F	GAGGAGGAGGAGAGAAGGAA
At80En-R	CATCAGCTTGTAATCCCAC
At80SR1	CCAAATAAAAATCAAACCATATG
qMP-LV	CACAAGCCTCTAAACCAAATCAACTT
At80R2	ACCCATGTCCATAAATTTCATTATC
At80CNS-F	TTCTCGCATCTAATGGCAGAG
At80MD-RT	GCGCGCCCACCCTTTCAGTCAAC

---