

Table S2 List of the Primer sequences used in this study

Primers	sequence (5'→ 3') ^a
For disruption cassette construction	
60bp-F	<u>ATCAATACCTGGTACACCTG</u> GTTTTAGAGCTAGAAATAGC
60bp-R	<u>CAGGTGTACCAGGTATTGAT</u> GATCATTATCTTTCACTGC
HOM2r-F	GATCATTATCTTTCACTGC
HOM2r-R	GTTTTAGAGCTAGAAATAGC
HT-F1	TCATTCTGTTGTTGGCAAAT
HT-R1	<u>CTTTAGGCAGACAACAGGA</u> ACAATCAATG
HT-F2	<u>TCCTGTTGTCTGCCTAAA</u> AGAATACGTCTG
HT-R2	CTTGCTAGTAAGATTTCGGC
For PCR verification	
HOM2-A	AGAAAATTGCTGGTGTTTTG
HOM2-D	ATCACTACGCTCTCTGTTTA
For Real-Time qPCR	
ACT1-F	TACTCCGTCTGGATTGGTGGTTC
ACT1-R	AGATGGACCACTTTCGTCGTATT
HOM2-F	CTCAGGTGCTGGTTTCTCCC
HOM2-R	TGGTCTCCCATTCCATCTTGTC

^a Overlapping sequence for fusion PCR is underlined