

Supplementary information, Table S1

Primer sequences used in this study

Primer name	Primer sequence (5'-3')	Usage
<i>wc-2</i> -target1-F	ACCTAAGCATACACGCGGCGGTTTTAGAGCTAGAAATAGCAAGTT	Construction of the <i>wc-2</i> sgRNA expression plasmids
<i>wc-2</i> -target1-R	CGCCGCGTGTATGCTTAGGTAACGTTGAGGGGGACTTAGG	
<i>wc-2</i> -target2-F	AGTAAGTCGTATGTTACCCGAACGTTGAGGGGGACTTAGG	
<i>wc-2</i> -target2-R	CGGTGAACATACGACTTACTGTTTTAGAGCTAGAAATAGCAAGTT	
pUC57-F	AAGCATAAAGTGTAAGCCTGGG	
pUC57-R	CCAGGCTTTACACTTTATGCT	
pUC57-PU6-F	GCACAGATGCGTAAGGAGAAAAAT	
PU6-sgRNA-R	ACTCGGTGCCACTTTTTCAAGTTG	
<i>wc-2</i> -cx-F	GCTCAACGACACCATCATCCT	
<i>wc-2</i> -cx-R	GAACCACTGTTCTGCGCTCC	
<i>wc-2</i> -NheI-F	GCTAGC ATGGCCTCCACCGTCCC	Verification of the $\Delta wc-2$ strain
<i>wc-2</i> -SmaI-R	GGGCCCCTAGAAGACGATACTGGAACCACTG	Construction of the pJW-EXP- <i>wc-2</i> plasmid
gpd-cx-F	TTCATCCCCCTCTCAAC	Verification of the OE <i>wc-2</i> strain
ter-cx-R	GCTCTATGTCTTGCTTGCTCTCG	
<i>ls</i> -qPCR-F	CTTCCGCAAGCACTACCCG	qRT-PCR
<i>ls</i> -qPCR-R	AGCAGATGCCCCACGAGCC	
<i>gl25098</i> -qPCR-F	ATACAAGGCCACCCTCCACAA	
<i>gl25098</i> -qPCR-R	TTGTGCTCCGCGAGGTACT	
<i>hmgr</i> -qPCR-F	TCCCGTGGAGCCTATTACC	
<i>hmgr</i> -qPCR-R	GGATGACCTCTTCGTCGTTT	
<i>l8s</i> -qPCR-F	TATCGAGTTCTGACTGGGTTGT	
<i>l8s</i> -qPCR-R	ATCCGTTGCTGAAAGTTGTAT	
<i>sqs</i> -qPCR-F	TGACGCTTCCTGACGAGA	
<i>sqs</i> -qPCR-R	GTGGCAGTAGAGGTTGTA	