

Supplementary Table S1. Sequences of sgRNAs and all the primers used in this study

sgRNA or Primer	Sequence
sgRNA	
sgRNA (Target site1)	TAATACGACTCACTATAGGTAATCTAAAATGCCGGGC ACGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGG CTAGTCCGTTATCAACTTGAAAAAGTGGCACCGAGT CGGTGCT
sgRNA (Target site2)	TAATACGACTCACTATAGGCGGTCTAAGATCGGCTTC TGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGG CTAGTCCGTTATCAACTTGAAAAAGTGGCACCGAGT CGGTGCT
Primers for the synthesis of sgRNA	
sgRNA-F (for target site1)	TAATACGACTCACTATAGGTAATCTAAAATGCCGGGC ACGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGG CTAG
sgRNA-F (for target site2)	TAATACGACTCACTATAGGCGGTCTAAGATCGGCTTC TGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGG CTAG
sgRNA-R	AGCACCGACTCGGTGCCACTTTTTCAAGTTGATAAC GGACTAGCCTTATTTAACTTGCTATTTCTAGCTCTA AA
18T-F	CGGTGATGACGGTGAAAACCTC
18T-R	AAAAAAGCACCGACTCGGTGCC
Primers for screening mutants	
<i>Bmlark</i> test-F	CGCCATTTTGTAGCGGAGTT
<i>Bmlark</i> test-R	GACCATCATACCGTTCAACTCTT
Primers for RT-qPCR analysis	
ChsA-qF	GGAGTTATCGCAAAGGGGACA
ChsA-qR	CAAACCTGCTTATCTCGACCTAAGT
ChsB-qF	AGTGCTACTCAGCGATGCCAAT
ChsB-qR	GCCACCCAGAGAGATGTAGAC
Cht5-qF	AACTCAATGGGTGGGCTACG
Cht5-qR	CGCATAGTCCCTTAAAATCGTC
Cht10-qF	GACAGGTCACCTAGCTCCCATG
Cht10-qR	CTCTTTATCGGCTCCTTTGTCTA
CPR58-qF	GACTACGCCGCGGATGAC
CPR58-qR	GATAAAGGTGGATAGGCAGGAAC
CPR92-qF (WCP5-qF)	CCGTGATGGTGATGTCGTGA
CPR92-qR	GCTGAATCCGTTGTGGTGG

(WCP5-qR)	
CPG16-qF	TAGCGATGTTGATGGAAGCG
CPG16-qR	TGCCGAAGCCGCTATGAC
CPG49-qF	AGGCTTACCTCATCTTGGACTCG
CPG49-qR	GCGTCGCCGTGCTTATGTC
CPH3-qF	TCGCAATCAATGAACAAAACG
CPH3-qR	GGGCTTGCCATTTCTTATCCT
LCP16/17-qF	ATGACGGGAACTGTGCTAAAAA
LCP16/17-qR	GCTAAACTTTCATCCTTGATTGGC
CPR14-qF	GGGGGTAAGAGCCAAAGGAT
CPR14-qR	TTTGGAAGAGGATGAATGTGA
CPR62-qF	TTCTCGTATTCGCCTTGCT
CPR62-qR	AGCGAGTATTTGCCGACCA
CPR101-qF	CTGATGACCACCACGGCTTC
CPR101-qR	GATGAGCCAAGAGGACAGGTG
CPR132-qF	CCAGGTGCCAGGAAGTGACA
CPR132-qR	AGCATCGTTGGGGAAGAGAA
CPG14-qF	CGCTCCTTCGTCCATCGTCA
CPG14-qR	TGTAGCCCTCGGTTTCCTGG
CPT2-qF	CCTGAACCTCCAGTGGGATACA
CPT2-qR	GGAAATGCTGCCTCCAGAAAG
CPT3-qF	CCCATCATCCCCGCTCAA
CPT3-qR	TGGGTGGGAGCAGCAGTG
BGIBMGA010281-qF	CCGACATTCCGCAAACCT
BGIBMGA010281-qR	TGGAACACTTGACAACGGGT
BGIBMGA011851-qF	ATGCCGTTTGGCGTTTTGTTA
BGIBMGA011851-qR	TTTCCACAGTATCAGTGCCTTCT
POUM2-qF	GAGCCTGCCGACATGAAGTA
POUM2-qR	GAGGCTTCACGTCTGGTTGA
WCP1-qF	CTGTCGCTAAGGTGATCGCTC
WCP1-qR	GACTCGTGCTGGGACTTGTTG
WCP2-qF	GCTCGCTGTTGCTACCCCT
WCP2-qR	CCGAGGAGTAGCGGAGTGGA
WCP3-qF	TGCCGAGTCCGTCTCTTCC
WCP3-qR	GTAGGTGACGGGTGTAGCGA
WCP6-qF	TACGACGCTCATCCTCAGTACA
WCP6-qR	CGGGGTCAACGACGGAGTA
WCP9-qF	GCTGAAGAGCAGGGCTACATAA
WCP9-qR	GGAACCCATTTTCATCCGCCAG
WCP10-qF	CTGATGGCAAAGTTTACACCGT

WCP10-qR	ACGGGAGGAGGAGTGGGTAA
WCP11-qF	ACACGAACACTGACGGCAAA
WCP11-qR	GGAGGCGACCTGAGGAATAGA
Th-qF	TCGCTTTCGCTTACAAATACGG
Th-qR	TGGGCATCAAATCAAGCACG
aaNAT-qF	CTACCTTGAGCGATGGAGTTTC
aaNAT-qR	TTTTGGATTGGGGCAGTCTT
DDC-qF	GACTGCTGTGATGGCGGATA
DDC-qR	CGGGATACGAGTTAGCGGTT
Yellow-f2-qF	GTAGCATTCAAAGAAGGCAGTGTT
Yellow-f2-qR	TATCCAAGTCCAGTGTAACCGC
Laccase 2A-qF	TGGACTCGTTCAAACACACCC
Laccase 2A-qR	TTCCTAACGCCTCCACTCAGC

F: Forward primer; R: Reversed primer.

qF: Forward primer for RT-qPCR; qR: Reversed primer for RT-qPCR.