Supplementary Material

# Supplementary Figures and Tables

## Supplementary Figures



Figure S1. Analysis of MoScs2 protein conserved domains and southern blot analysis of *MoSCS2* deletion. (A) Prediction of domains of MoScs2 using the SMART website (<http://smart.embl-heidelberg.de/smart/set_mode.cgi?NORMAL=1>). (B) Strategy of knocking out *MoSCS2* gene in *M. oryzae* genome. (C and D) DNA gel blot analysis of genomic DNA of Guy11, Δ*Moscs2* mutants digested with *Eco*R V(EV) and probed with a gene-specific probe (probe 1) and hygromycin phosphotransferase (HPH) probe (probe 2). The estimated sizes of each band are labeled at right (kb).

## Supplementary Table

Table S1 Primers used in this study

|  |  |  |
| --- | --- | --- |
| **Name** | **Sequence (5’-3’)** | **Remark** |
| SCS2 f1SCS2 f2SCS2 f3SCS2 f4SCS2 koFSCS2 koRSCS2 CFSCS2 CRHYG FHYG R | TACGTACCTGTGATTAGCGCATTCATTGTTGACCTCCACTAGCTCCATGTCACCGGCGTGGTGGTGCAAAGGAATAGAGTAGATGCCGACCGAGGGAAACTCAGTTATGCACGAGATTGCGAGCGAGTCCTCTGGGCGAATAATTTGATCTCCTTGACCTGCTCCACTACTCACTATAGGGCGAATTGGGTACTCAAATTGGTTTGACTGCGTCATGTTGATGGCACCACCCCGGTGAACAGCTCCTCGCCCTTGCTCACGAAGAAGAAATAGGCAAGCAGGGCTTGGCTGGAGCTAGTGGAGGTCAACGGTCGGCATCTACTCTATTCCTTTG | amplify *MoSCS2* 5’ flank sequenceamplify *MoSCS2* 5’ flank sequenceamplify *MoSCS2* 3’ flank sequenceamplify *MoSCS2* 3’ flank sequenceamplify *MoSCS2* probe sequenceamplify *MoSCS2* probe sequence*MoSCS2* complementation*MoSCS2* complementationamplify *HPH* probe sequenceamplify *HPH* probe sequence |
| SCS2 TR | CACCACCCCGGTGAACAGCTCCTCGCCCTTGCTCACGCCCTGGGGCGCCTGCTGAGC | *MoSCS2*TMD construction |