S1 Fig. Phenotypes of knockout strains in Fusarium graminearum

Strain

Perithecia

Perithecium contents

PH-1

Wild type

FGSG3028 (*sdi-4*) Protoperithecia

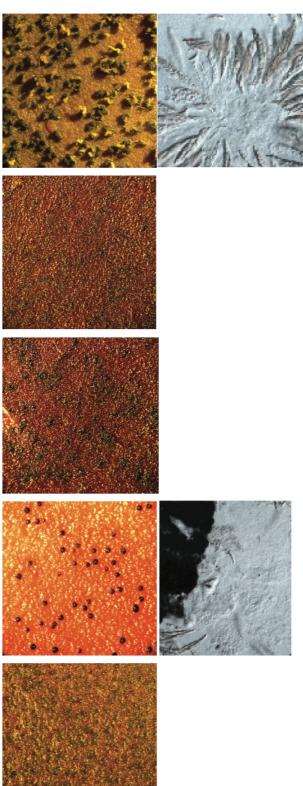
FGSG16340

Protoperithecia

FGSG5166 (*ipe-2*)

Limited perithecia; no asci

FGSG13162 (*pdv-1*) Small perithecia; no asci



FGSG2102 (*asy-1*)

Asynchrononus development; mature normally

FGSG0565 (*div-12*)

Limited perithecia; delayed development

FGSG6651 (*vad-1*)

Limited numbers of perithecia; delayed development,minimal cirrhi production

FGSG7478 (*ipe-1*)

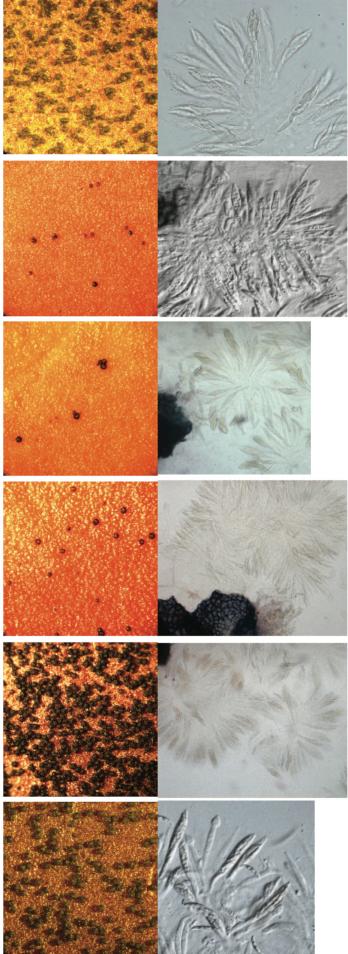
Limited perithecia; delayed development

FGSG8695 (*pls-1*)

Increased number of perithecia

FGSG4997 (*pna-2*)

Some asci are underdeveloped; no cirrhi; less firing.



FGSG4417 (*stc-1*) No asci;

No asci; fully developed wall

FGSG17499 (*asl-3*)

No asci; fully developed wall

FGSG7111 (*asl-1*)

No asci; mature wall

FGSG1108 (*rel-5*) Early spore release;

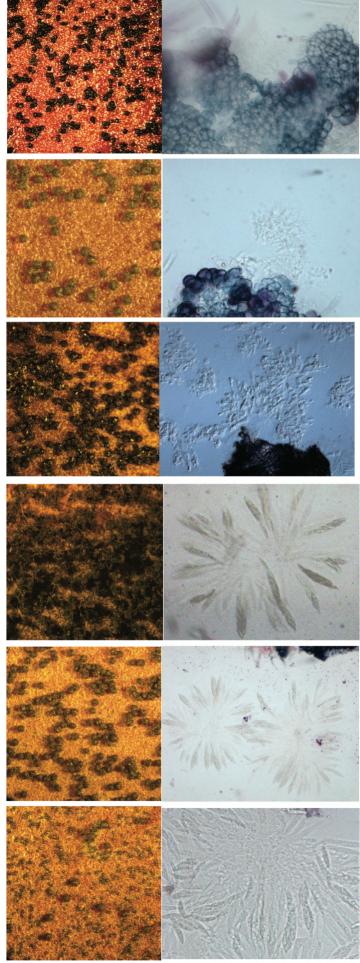
Early spore release; increased cirrhi

FGSG4001 (*rel-1*)

No cirrhi; reduced spore discharge; mature perithecia; evanescent asci

FGSG5652 (*asy-2*)

Asynchronous; no cirrhi; delayed reduced spore discharge



FGSG10094

No cirrhi; reduced firing

FGSG17494 (*rel-4*)

Reduced firing; no cirrhi

