

Supplemental materials

Figure S1

Gene expression of individual *aaos* (*aaol*, *aaol3*, *aaol5* and *aaol6*) and *ssps* at different developmental stages in the genetic background of PC9. Expression levels shown are relative to those of β -tubulin.

Figure S2

The yellow pigment is absorbed at 470 nm and associated with protein fraction

(A) Absorbance spectrum of the yellow pigment in genetic background of PC9, *KDssp1* and *OEssp1*. The 470 nm peak to monitor its presence in the culture medium. (B) The collected yellow peaks and original fraction from MPLC were separated by SDS-PAGE revealing a band ~10 kDa.

Figure S3

Effect of *ssp1* manipulation on dikaryon morphology.

The dikaryons PC9+PC15, *KDssp1*+PC15, *OEssp1*+ PC15 were assessed based on:

(A) Morphology of the crossing with PC15

(B) Morphology of the dikaryons

(C) Formation of fruiting bodies

Figure S4

Effect of PC9+PC15, KD*ssp1*+PC15, OE*ssp1*+ PC15 on fungal growth (**A**- as measured by biomass accumulation; dry weight), and glucose utilization (**B**).

Table S1- The total secretome data of KD*ssp1* and OE*ssp1* and PC9 strains, as determined in samples from three different time points representing 8, 10 and 13-day-old cultures.

Fig. S1

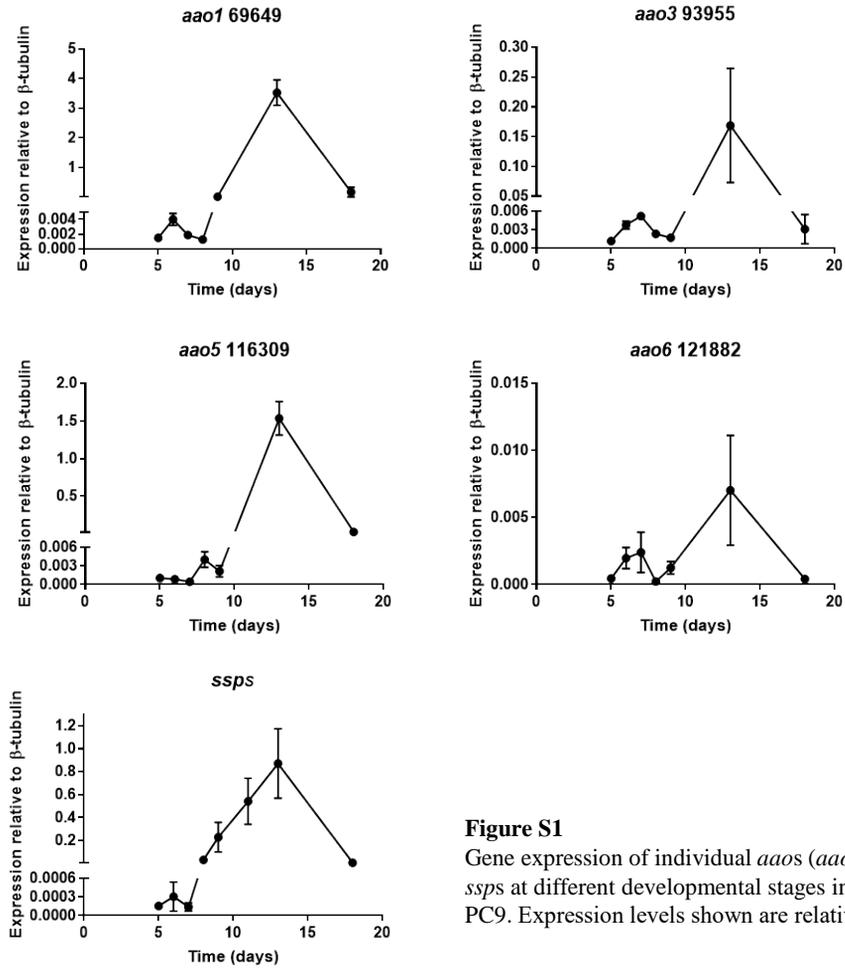


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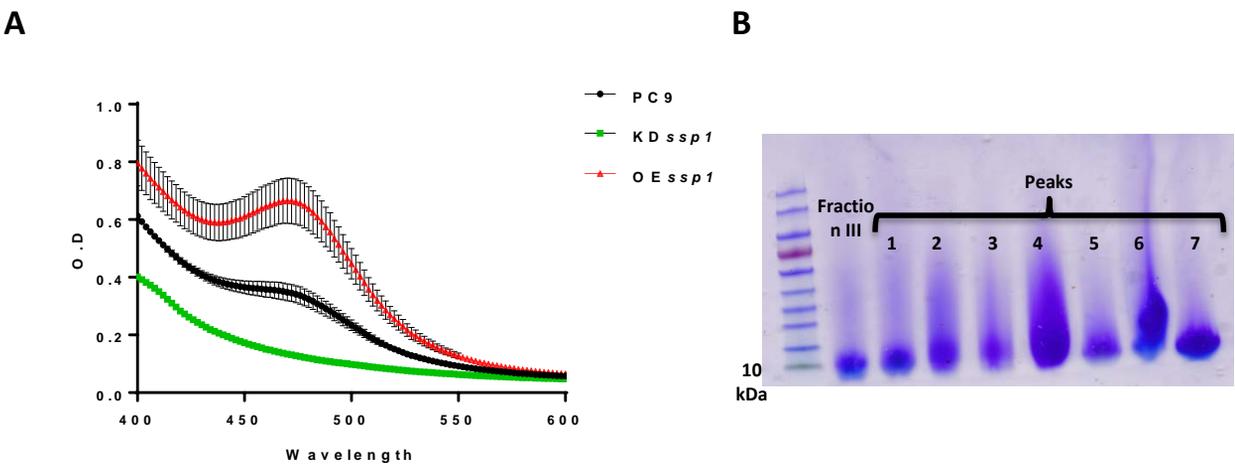


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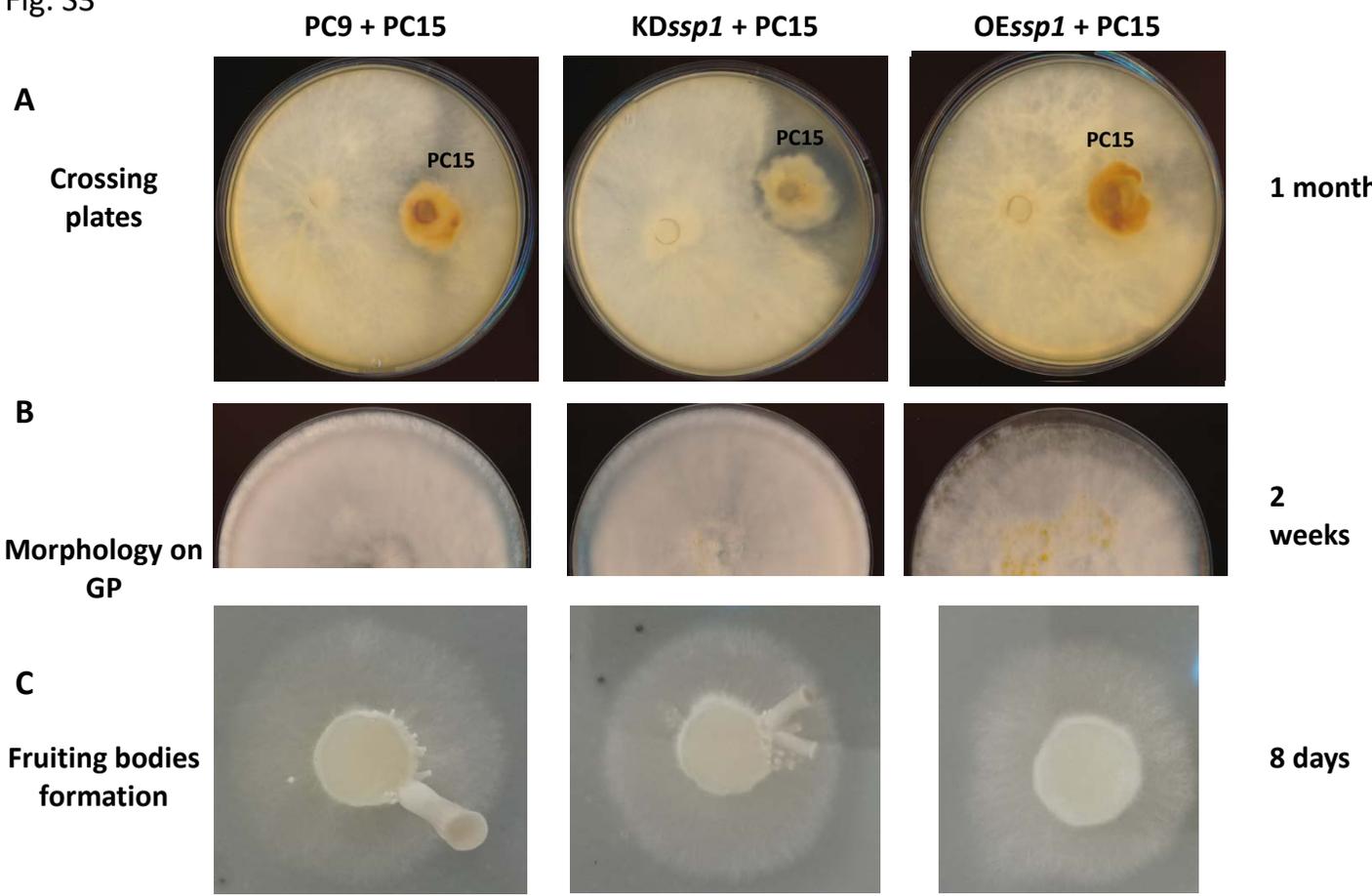


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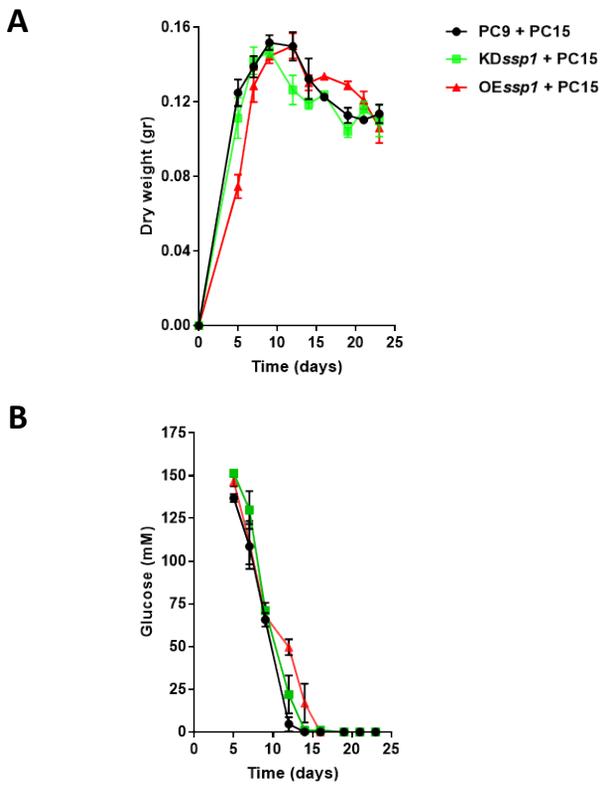


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