**Supplementary File 3. Fungal strains used in this study**

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| Strain name | Genotype/Information | Reference |
| FGSC A4 | *veA*+ | FGSC\* |
| AGB552 | *pabaA1; ∆nkuA::argB; veA+* | (Bayram et al., 2012) |
| AGB596 | *pgpdA:sgfp:phleoR; pabaA1; yA2; veA+* | (Bayram et al., 2012) |
| AGB1073 | *∆laeA::six; pabaA1; ∆nkuA::argB, veA+* | This study |
| AGB1088 | *xptC:gfp; pabaA1; yA2;* Δ*nkuA::argB* | This study |
| AGB1236 | *∆mdpG::six; pabaA1; ∆nkuA::argB; veA+* | This study |
| AGB1237 | *∆mdpF::six; pabaA1; ∆nkuA::argB; veA+* | This study |
| AGB1238 | *∆mdpC::six; pabaA1; ∆nkuA::argB; veA+* | This study |
| AGB1239 | *∆mdpL::six; pabaA1; ∆nkuA::argB; veA+* | This study |
| AGB1240 | *∆mdpD::six; pabaA1; ∆nkuA::argB; veA+* | This study |
| AGB1241 | *∆xptA::six; pabaA1; ∆nkuA::argB; veA+* | This study |
| AGB1242 | *∆xptB::six; pabaA1; ∆nkuA::argB; veA+* | This study |
| AGB1243 | *∆xptC::six; pabaA1; ∆nkuA::argB; veA+* | This study |
| AGB1248 | *∆mdpG::six, mdpG:six::six; pabaA1; ∆nkuA::argB; veA+* | This study |
| AGB1249 | *∆mdpC::six, mdpC:six::six; pabaA1; ∆nkuA::argB; veA+* | This study |
| AGB1310 | *∆veA::six; pabaA1; ∆nkuA::argB, veA+* | This study |
| AGB1311 | *∆velB::six; pabaA1; ∆nkuA::argB, veA+* | This study |
| *Sordaria macrospora* Taxid5147 | wildtype isolate | (Nowrousian et al., 2010) |
| *Verticillium longisporum* VL43 | wildtype isolate | (Zeise et al., 2002) |
| *Verticillium dahliae* JR2 | wildtype isolate | (Fradin et al., 2009) |

\* Fungal Genetics Stock Center (Kansas), R = resistance, P = promoter, *six* = β-recombinase recognition sequence

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