

Table S2. Genes involved in DON production

	Phenotypes of deletion mutants	Genes	Proteins
	Genes involved in DON production	Decreased DON production	<i>CPK1</i>
<i>FgCAP1</i>			Adenylate-binding protein
<i>FgBCK1</i>			Protein kinase
<i>FgMKK1</i>			
<i>FgMGV1</i>			MAPK
<i>FgSTE11-STE7-GPMK1</i>			MAPK
<i>FgHOG1</i>			MAPK
<i>FgSHO1</i>			Transmembrane protein
<i>FgSTE50</i>			Transcription factor
<i>FgOS1</i>			Response regulators
<i>FgRRG1</i>			Response regulators
<i>FgATF1</i>			Response factor
<i>FgSTUA</i>			Transcription factor
<i>FgPEX13, FgPEX14</i>			Docking machinery components
<i>FgPEX33</i>			Filamentous fungal specific peroxin
<i>HEP1</i>			Heterochromatin protein
<i>KMT6</i>			Histone acetyltransferases
<i>FgGCN5</i>			
<i>ELP3</i>			
<i>FgSAS3</i>			Inhibitor of Growth (ING) proteins
<i>FNG1 and FNG3</i>			
<i>FgAREA</i>		Master regulator of nitrogen assimilation	
<i>FgSKN7</i>		Transcription factor	
<i>FgSPE3</i>		Involved in spermidine biosynthesis	
<i>FgPRB1</i>		Subtilisin-like protease	
<i>PDE2</i>		cAMP phosphodiesterase	
Increased DON production		<i>FgPAC1</i>	Transcription factor
		<i>PKR</i>	Regulatory subunit of PKA
Defective in formation of toxisomes		<i>FgSUR2</i>	Sphinganine C4-hydroxylase
		<i>FgCDC25</i>	Ras GTPase
		<i>FgMYO1</i>	Class I myosin
		<i>FgCAPA and FgCAPB</i>	Actin capping proteins

