

**Table S1 Oligonucleotides used in qRT-PCR and screening mutants.**

Gene	Primer name	Oligonucleotide sequence <sup>a</sup>	Position <sup>b</sup>	Purpose
<i>actA</i>	MK415	5'-AGAGGAAGTTGCTGCTCTCG-3' (F)	6	qRT-PCR
	MK416	5'-GGATACCACGCTTGGACTGT-3' (R)	193	
<i>chiB</i>	MK421	5'-ACGATCAGCAGGCTCAGAAC-3' (F)	425	qRT-PCR
	MK422	5'-TCTCCTGTAGCCGGAGCTTA-3' (R)	568	
<i>ndtA</i>	MK444	5'-CTGGCATGAGTTTCGACAGA-3' (F)	65	qRT-PCR
	MK445	5'-TATCGCTGAGGGGTGTCAAT-3' (R)	262	
<i>ppgA</i>	MK427	5'-TGCCGCTGAATTACAACATC-3' (F)	66	qRT-PCR
	MK428	5'-CGGAACCTGCACCATCTATT-3' (R)	212	
<i>xprG</i>	MK442	5'-GGAATATGCAGGGCACAGAT-3' (F)	56	qRT-PCR
	MK443	5'-TGGAGATAGATGGGCAAAGG-3' (R)	180	
<i>phoA</i>	MK375	5'-TACTTCCATGAGTTCGCGAC-3' (F)	-491	Detection of
<i>pyroA<sup>Af</sup></i>	MK323	5'-GATGGTCTCGAACTGACCTT-3' (R)	-474	<i>phoA::pyroA<sup>Af</sup></i>
<i>phoB</i>	MK434	5'-GCTTTAGCTTCACCTTCAGC-3' (F)	-328	Detection of
<i>pyrG<sup>Af</sup></i>	MK431	5'-CACCGTAAGTCAATTGCGAC-3' (R)	31	<i>phoB::pyrG<sup>Af</sup></i>
<i>mpkC</i>	MK432	5'-CTGGCATTGTAATCCGCCAA-3' (F)	-1111	Detection of
<i>pyrG<sup>Af</sup></i>	MK431	5'-CACCGTAAGTCAATTGCGAC-3' (R)	31	<i>mpkC::pyrG<sup>Af</sup></i>

<sup>a</sup>The sequences labeled (R) are complementary to the sense strand.

<sup>b</sup>The position of the 5' end of each primer in the coding region of the gene (excluding introns) is given. The sequences were obtained from the *Aspergillus* Genome Database (<http://www.aspgd.org/>).