

Table S2 PCR primers used in this study

A. snxA gene deletion^{1,2}:

| | |
|------------|---|
| snxA 5-For | 5' TCT TTC TCT ACA TAT ATA CTC TGC AAG CAC TCA 3' |
| snxA 5-Rev | 5' <u>CTC TCT CGC CAT TGT ATT TGT GGT</u> ATA CTC GTA GTC GCC GTA AGG CAT TA 3' |
| snxA 3F | 5' <u>GGT TCA TTC TTG TTA GGG TGT TCT GTG CAA</u> TGT CTA CAA TAT GCT ACT CTG GCT TTG G 3' |
| snxA 3R | 5' TCG TTG ATA AGA TAA ATG TGG GAA GGT 3' |
| snxA Ne5F | 5' CGT ACT CGC TTT ACA ATA GCA GCA TT 3' |
| snxA Ne3R | 5' GGC TAT CCC AGA CCA GAG CAA CG 3' |

¹ *A. fumigatus* *pyroA* marker tails underlined

² snxA 5-For and snxA 3R were used in trans-locus PCR for molecular diagnosis

B. snxA C-terminal GFP/mRFP tagging^{3,4}:

| | |
|-----------|--|
| snxA-GSP1 | 5' TGG CTT CGG AGG CTA TGG C 3' |
| snxA-GSP2 | 5' CAT GAT CTG ATC CTG GGT AAG TCC 3' |
| snxA-GFP1 | 5' GGA CTT ACC CAG GAT CAG ATC ATG <u>GGA GCT GGT GCA GGC</u> <u>GCT GGA GCC</u> 3' |
| snxA-GFP2 | 5' GCT AAG CAG GGA AAC ACG CTA GTA <u>CTG TCT GAG AGG AGG</u> <u>CAC TGA TGC</u> 3' |
| snxA-GSP4 | 5' TCT TGA AAC TGA CCG CCT CTC AT 3' |
| snxA NE-1 | 5' GTC TCA AAC GTA AGT CTT TCC ATC C 3' |
| snxA NE-2 | 5' CGC TCC TCG CAC GAA TCG 3' |

³ GFP/mRFP linkers underlined

⁴ snxA GSP1 and snxA GSP4 were used in trans-locus PCR for molecular diagnosis

C. alcA::snxA overexpression construct:

alcA::snxA 5-FOR⁵ 5' CTCA ACT AGT *GTC TTA **ATG** CCT TAC GGC GAC TAC GAG* 3'

alcA::snxA 3-REV⁶ 5' CCTC GGA TCC *AAT GAG CAT AGT GAG ATG GAT AAA TAA CAA*
CAA C 3'

⁵ *SpeI* site underlined; start codon in **bold**; *snxA* genomic DNA sequence italicized.

⁶ *BamHI* site underlined; *snxA* genomic DNA sequence italicized.

D. Construction of (GA)₃GFGGA-myc9 epitope tag

myc-tandem FOR 5' GGT GCT GAA CAG AAA CTT ATT TCT GAA GAA GAT CTT
GGT GCT GAA CAG 3'

myc-tandem REV 5' AGC ACC AAG ATC TTC TTC AGA AAT AAG TTT CTG TTC
AGC ACC AAG ATC 3'

BspDI-linker-myc9 FOR⁷ 5' CCTT ATC GAT *GGA GCT GGA GCA GGT GCG GGA TTC*
GAT GGA GCT GAA CAG AAA CTT ATT TC

myc9-Stop-HindIII REV⁸ 5' TTCC AAG CTT **TCA** CTT GAT AGC ACC AAG GTC TTC
TTC AGA 3'

⁷ *BspDI* site underlined; (GA)₃GFDGA linker in italics; underlined and bolded **A** indicates a nucleotide change in order to improve specificity of amplification.

⁸ *HindIII* site underlined; STOP codon in **bold italics**; underlined and bolded **G** indicates a nucleotide change in order to improve specificity of amplification.

E. qRT-PCR:

actF: 5' TTC GGG TAT GTG CAA GGC 3'

actR: 5' TCG TGA CAA CAC CGT GCT 3'

snxA-q1⁹: 5' AGA *GAC TTC AAT CGC* CAA GTT CAC G 3'

snxA-q2: 5' GCT CTC GTG GCA CTG GTG TG 3'

snxA-q3: 5' CGG TAG GTT GGG CAT CAT CC 3'

⁹ italics, exon 10; underlined, exon 11.