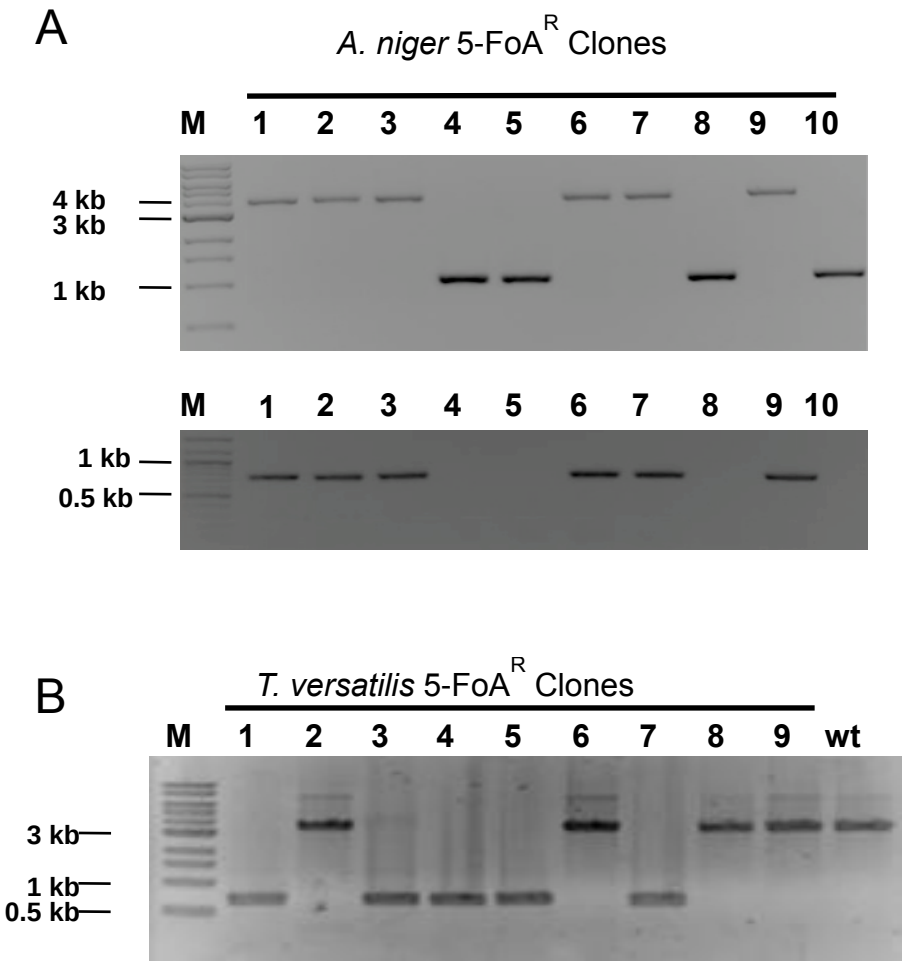
Supplementary Files

Supplementary File 1: Oligonucleotides used in this study

Primer	Sequence (5'-3')[a]	Properties
	A. niger	
AnXlnRNotIup	ATGCATGCGGCCGCTCCCAACTTTATTCACTCCC	*xlnR* deletion upstream external
AnXlnRHindIIIup	ATGCATAAGCTTGGAATTTCGCAAGGAAGTGG	*xlnR* deletion upstream internal
AnXlnRHindIIIdw	ATGCATAAGCTTTTTTGCAGTAACACGGCTG	*xlnR* deletion downstream internal
AnXlnRspeIdw	ATGCATACTAGTACTCACGGGATCCCACGAAG	*xlnR* deletion downstream external
AnXlnRScexup	CAGACTGAATCGGCAATGC	Screen *xlnR* deletion, external
AnXlnRScexdw	GTTTAAAGGAGGGGGTTTGG	Screen *xlnR* deletion, external
AnXlnRScinup	CACCATCTGAGCTCGCAGCC	Screen *xlnR* deletion, internal
AnXlnRScindw	GCAGTTTCTGGCATACACG	Screen *xlnR* deletion, interna
AnXlnRSoprdw	GAGTTTTACCTCTGATGGC	Probe for Southern
AnXlnRSoprdw	ACCGGGTAAAAAAGTCAAG	Probe for Southern
	T. versatilis	
TvXlnRspeIup	TTCTCTGCACTAGTCGATTCCTTCTGG	*xlnR* deletion upstream external
TvXlnRApaup	TTATAGAAGGGCCCAACCGAAGTCCAC	*xlnR* deletion upstream internal
TvXlnRApadw	AACGACGGGCCCAGGTTCTTGCACTTTATC	*xlnR* deletion downstream internal
TvXlnRspedw	AACCTCCACTAGTCAGCGTCTTCAGCCG	*xlnR* deletion downstream external
TvxlnRScexup	CTGTGATTCGGTTGCTTTCTGG	Screen *xlnR* deletion, external
TvxlnRScexdz	TCGCATCGCTAACAGACAACG	Screen *xlnR* deletion, external

[a] Restriction sites for endonuclease used are underlined.

Supplementary File 2: Screen and confirmation of *xlnR* deletion in *A. niger* and *T. versatilis*. A) *xlnR* deletion in *A. niger*. Ten randomly chosen 5FoA-resistant clones, annotated 1 to 10 were tested by PCR for *xlnR* deletion using external (upper panel) and internal (lower panel) primers to the deletion. "M" line is 1 kb ladder from NEB. Clones 4, 5, 8 and 10 exhibited *xlnR* deletion (i.e. expected 1020 bp band for the PCR with external primer and no band for the PCR with the internal primer). B) *xlnR* deletion strain in *T. versatilis.* Nine randomly chosen 5FoA-resistant clones (annotated 1 to 9) were tested by PCR for *xlnR* deletion using external primers to the deletion. "M" line is 1 kb ladder from NEB and "wt" line control PCR with *T. versatilis* DNA. Clones 1, 3, 4, 5 and 7 exhibited *xlnR* deletion (i.e. expected 673 bp band for the deletion).



Supplementary File 3: Verifying that no extra copies of the plasmid remain in the *xlnR* deleted strain of *A. niger*. Wild-type and *xlnR*-deleted *A. niger* strain genomic DNA was cut with *BglII* and a Southern blot hybridisation performed using the complete plasmid pC3-*An*_Δ*xlnR* as a probe. Line M represents the 1kb ladder. The expected band for the AB4.1 strain was 6908 bp and for the *xlnR* deletion 4162 bp. Note that a band of ca. 6kb is predicted to be present in both the WT and *xlnR*-deleted *A. niger* strains but was not detected, probably because of the relatively small region of homology to the very large, whole plasmid, probe.