

S10 Table. Primers and plasmid used for the construction of the complementation constructs.

Complemented gene	Backbone Plasmid	Primers (5'-3')	Amplified fragment (bp)	Description of amplified region	complementation plasmid	Linearization of complementation plasmid	Mutant strain transformed with complementation plasmid	Primers used for mutant confirmation (5'-3')	Amplified fragment (bp)	Description
<i>MFA2</i>	pUC18+rDNA+ZEO	MP134 (Pst I) - ATTATCTGCAGACCTCGAGACCCAGCTCCG MP135 (BamH I) - ATTATGGATCCAGTGGTCGCCAAAGCTGACG	1122	MFA gene plus 500bp upstream and downstream of the gene	pUC18+rDNA+ZEO+MP134/MP135	Restriction enzyme Cla I	CBS 6938_ste3-2/mfa2Δ	MP102 - TATATCATCTCTCGACCC MP103 - TTCATCTTGTCAGACAGC	611	Amplification of the <i>MFA2</i> (complete) region
<i>STE3-1</i>	pUC18+rDNA+ZEO	MP136 (Pst I) - TATTA <u>CTGCA</u> GTGTATCTCAAGTCTTGCC MP137 (BamH I) - TATTAGGATCCTTTCCGAGATTGATGGTCG	1994	STE3-1 gene plus 300bp upstream and downstream of the gene	pUC18+rDNA+ZEO+MP136/MP137		CBS 6938_ste3-1/ste3-2Δ	MP029 - CGGTGGGCGTTCTGGTCGGAC MP030 - ACTCTGATGGCGAAGCAACGGC	836	Amplification of the <i>STE3-1</i> gene (partial)
<i>HD1</i>	pUC18+rDNA+ZEO	MP138 (Pst I) - AAAA <u>CTGCAG</u> GAAAGATAGTAAACTGG MP139 (BamH I) - AATTTGGATCCTTTCATCGGGCTCAAGC	2459	HD1 gene plus 300bp upstream and downstream of the gene	pUC18+rDNA+ZEO+MP138/MP139		CBS 6938_hd1/hd2Δ	MP083 - AAAACCTCTCCAAGCGCC MP084 - TCTACATCGGTCTCTTCC	1002	Amplification of the <i>HD1</i> gene (partial)
							CBS 6938_hd1Δ	MP083 - AAAACCTCTCCAAGCGCC MP084 - TCTACATCGGTCTCTTCC	1002	Amplification of the <i>HD1</i> gene (partial)