

Table S1. Primers used in this study. Sequences for homologous recombination (HR) in *S. cerevisiae* are indicated by shading. Start and stop codons are underlined.

Primer	Sequence 5'-3'	Target	Reference
Homologous recombination			
PREB-HR-Fw	CACTAAATTACCGGATCAATTCGGG <u>AT</u> GGCACCCCTCATTCGACCCCTTC	pCM189 / <i>PREB</i>	This study
PREB-HR-Rev	TCGATGTTAACAGGCCTGTTTAAAC <u>CT</u> AGGCCTTTGTGCCAGCTTC	pCM189 / <i>PREB</i>	This study
Pb α -HR-Fw	CACTAAATTACCGGATCAATTCGGG <u>AT</u> GAAGTTCGTCGTGGTTTTCTTGC	pCM189-pCM190 / <i>PBα</i>	This study
Pb α -HR-Rev	TCGATGTTAACAGGCCTGTTTAAAC <u>CT</u> AGCAACCCTGACCAGGGCGAGTG	pCM189-pCM190 / <i>PBα</i>	This study
MF α 2-HR-HPH-Fw	GCTAGTGTTCACTTGCTCATTGATGTCCC <u>G</u> AGAAAGGAAGGGAAGAAAGCGAAAGGAG	MF α 2 flank / HPH	This study
MF α 2-HR-HPH-Rev	GGCCAATTATTACTGCTAAAGATAAACTC <u>C</u> CACAGGAAACAGCTATGACCATGATTAC	MF α 2 flank / HPH	This study
Gene replacement confirmation			
pCM-Conf-Fw	GCATGCATGTGCTCTGTATG	pCM189 / pCM190	This study
pCM-Conf-Rev	TTTCGGTTAGAGCGGATGTG	pCM189 / pCM190	This study
HPH-Conf-Fw	CGCAAGGAATCGGTCAATAC	HPH	This study
HPH-Conf-Rev	AAAGCATCAGCTCATCGAGA	HPH	This study
MF α -Conf-Rev	GTCCGAAAAATTGAAAGTC	MF α 2 flank	This study
Real-time PCR			
MAT11-RT-Fw	CATTCAGAAGCTTCTACTCTAC	<i>MAT1-1</i>	This study
MAT11-RT-Rev	CCTTCGCAAGGATTGCCCAC	<i>MAT1-1</i>	This study
MAT12-RT-Fw	AACGACATATCGATACTCCTTG	<i>MAT1-2</i>	This study
MAT12-RT-Rev	GATAGTAAGGGTGATCTTTG	<i>MAT1-2</i>	This study
Pb α -RT-Fw	GTCGTGGTTTTCTTGCAATTG	<i>Pbα</i>	This study
Pb α -RT-Rev	TCTCGACGGGCGCATTC	<i>Pbα</i>	This study
PREB-RT-Fw	GTGATCCCAGCCATCTTCTC	<i>PREB</i>	This study
PREB-RT-Rev	GTAGCCACTGAAGCCCATAG	<i>PREB</i>	This study
PREA-RT-Fw	TCCCCAAGAAACATCAGTCC	<i>PREA</i>	This study
PREA-RT-Rev	CATGACCATGCTAGAGGGATG	<i>PREA</i>	This study

Primer	Sequence 5'-3'	Target	Reference
<i>Real-time PCR</i>			
GPA1-RT-Fw	ACTGAAGAGGGATAAGATG	<i>GPA1</i>	This study
GPA1-RT-Rev	CATAGCCTCGAGAATAAC	<i>GPA1</i>	This study
STE4-RT-Fw	CTGGGAAATCAGTACAAAC	<i>STE4</i>	This study
STE4-RT-Rev	ACCTTCTCTCCTCTTAGAAC	<i>STE4</i>	This study
STE18-RT-F1	CTATCCCACACCATCTAG	<i>STE18</i>	This study
STE18-RT-R1	GTACGTTGAGCTCATTTAG	<i>STE18</i>	This study
STE20-RT-F1	TGGATATGATAACGAGAC	<i>STE20</i>	This study
STE20-RT-R1	TAATATCCACCATAGTCTGC	<i>STE20</i>	This study
STE11-RT-F1	CAGCTCACAAATCATCTAC	<i>STE11</i>	This study
STE11-RT-R1	CGTATACTATGTAGCCAATC	<i>STE11</i>	This study
STE50-RT-F1	GCCAAGAACTATCATCAC	<i>STE50</i>	This study
STE50-RT-R1	ACTCTTTAGAATCGTCAGTC	<i>STE50</i>	This study
STE7-RT-F1	GCCTATTCTTGATGACTTTG	<i>STE7</i>	This study
STE7-RT-R1	GTAGGATTTGCGGTTGTG	<i>STE7</i>	This study
KSS1-RT-F1	GACAACTCTGGATTTATGAC	<i>KSS1</i>	This study
KSS1-RT-R1	GATAAGGGTAAGTTGGTG	<i>KSS1</i>	This study
STE12-RT-Fw	AGAAACCTTCATGCTCTC	<i>STE12</i>	This study
STE12-RT-Rev	CAACTGGTGCAGATATAAG	<i>STE12</i>	This study
Tub2F	AGCCTTGCGTCGGAACATAG	<i>β-tubulin (TUB2)</i>	Marques <i>et al.</i> , 2004
Tub2R	ACCTCCATCCAGGAACTCTTCA	<i>β-tubulin (TUB2)</i>	Marques <i>et al.</i> , 2004