Table S2 Oligonucleotide primers used in this study

Primer	5'-3' sequence and purpose
JAO99	ACAGCATTTTACCTTTAAAAGACGTTCTCATAATACATTTTAGGATTAATACATGAGCTCGTTTTCGACACTGG For deletion of all *CUP1* repeats, Forward
JAO100	ATTTTTTGAAAAAAATGTATTACTCAAGACATTCGCTTCTAGGTCAGTCTTCATTCCTTACCATTAAGTTGATC For deletion of all *CUP1* repeats, Reverse
JAO101	ACAGCATTTTACCTTTAAAAGACGTTCTCATAATACATTTTAGGATTAATACATATGTCGGTAATGGGATCGGC For CORE removal and restoration of *RSC30*, Forward
JAO102	AAATCACATTGATAAACCTGG For CORE removal and restoration of *RSC30*, Reverse
JAO326	ATTCCG<u>GAATTC</u>TCAGTAGCGGTTATGAACACG For producing distal *SFA1* homology, Forward, *Eco*RI site added to 5' end
JAO327	ATTCGC<u>GGATCC</u>CAAGTTGCCATTCGACTGAGG For producing distal *SFA1* homology, Reverse, *Bam*HI site added to 5' end
JAO328	ATTCGC<u>GGATCC</u>ACGTCCTACATTCTATCAAAT For producing proximal *SFA1* homology, Forward, *Bam*HI site
JAO329	ATTCGC<u>GTCGAC</u>TTAGGAACAGGCGAGGTCAAT For producing proximal *SFA1* homology, Reverse, *Sal*I site added to 5' end
JAO291	AGCTAA<u>GGTACC</u>TCAAGTGATGGGTACGTG Proximal to *YMRCTy1-5*, Forward, *Kpn*I site added to 5' end
JAO294	AGCTAA<u>GAGCTC</u>AAGAGCAAGAGTGCAGCC Distal to *YMRCTy1-5*, Reverse, *Sac*I site added to 5' end
JAO510	CTAATGTTTTATAAACGTTTTATGAATGACATATATGCGATAATTATATGCCTTACCATTAAGTTGATC For producing *ymrcty1-5Δ::CORE* deletion product, Forward
JAO511	GTTCCTTTTACACAACCATGATGGAACTTGCATTGATTTTTGTTGGGAGCTCGTTTTCGACACTGG For producing *ymrcty1-5Δ::CORE* deletion product, Reverse

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Primer	5'-3' sequence and purpose
JAO104	ACT<u>AGATCT</u>CATATGGTGATACTTTATTTC For cloning *CUP1* fragment into pAG32, Forward, *Bgl*II added to 5' end
JAO105	ACT<u>AGATCT</u>CATATGTTCATGTATGTATCT For cloning *CUP1* fragment into pAG32, Reverse, *Bgl*II added to 5' end
JAO113	AATTAAACTAAGTAAGCATGACTCAAATTTTCTGGAATACTTTGAAAATCAAATTAAGGCGCGCCAGATCT For insertion of *CUP1-Hph* downstream of *SFA1*, Forward
JAO114	CAGGTCTAACTGATTGCTGAAGAACGTAATTGTGCGCATATATATGATATTGCATAGGCCACTAGTGGATC For insertion of *CUP1-Hph* downstream of *SFA1*, Reverse
JAO143	CTGCATATTATATACTTAACAGAAGTACAATCATATACAATACAAGCATAGGCCACTAGTGGATC For insertion of *SFA1-CUP1-Hph* downstream of *DDI1*, Reverse
JAO269	TAAGTATAAGGATGTACATACTTTCATTGTTTCGTCAATTGTTGTGGTTCCATTATTATCAACTGT For insertion of *SFA1-CUP1-Hph* downstream of *DDI1*, Forward
JAO457	AGATCTGTTTAGCTTGCCTCG To produce *Kan* fragment to replace *Hph*, Forward
JAO458	GCATAGGCCACTAGTGGATCT To produce *Kan* fragment to replace *Hph*, Reverse
JAO502	TGTTAGTGTATTGATATGTGTTTCTTTTCACCTTAAAGGTGCTTAGCAAGGAGCCTTACCATTAAGTTGATC To insert CORE and CORE2 downstream of *ADH6*, Forward
JAO503	TTTTTATGATTATAAGGTACTATTTAAATATTTACAACTCGTACAGTTCTCGAGCTCGTTTTCGACACTGG To insert CORE and CORE2 downstream of *ADH6*, Reverse
JAO650	ACGTGTAC<u>AGATCT</u>TCAATTCATCTTTTTTTTTTTTGTTCTTTTTTTTGATTCCGG *URA3* primer, used in the construction of pJA40, *Bgl*II site added to the 5' end
JAO336	TGATGTTGTGAAGTCATTGAC *URA3* primer, used in the construction of pJA40

Table S2   Oligonucleotide primers used in this study (continued)

Primer	5'-3' sequence and purpose
JAO487	GTGGCTGTGGTTTCAGGGTCC Upstream of *URA3*, Forward, used to amplify *URA3* and repair the *ura3-52* allele
JAO490	GGCGAGGTATTGGATAGTTCC Downstream of *URA3*, Reverse, used to amplify *URA3* and repair the *ura3-52* allele
JAO863	GATGCTAAGAGATAGTGATG *URA3* primer, used to amplify the region upstream of *URA3*
JAO864	<u>CGAGATTCCCGGGTAATAACTG</u>CCAATCTAAGTCTGTGCTCC *URA3* primer, used to amplify the region upstream of *URA3*, overlap to JAO865
JAO865	CAGTTATTACCCGGGAATCTCG *URA3* primer, used to amplify the region downstream of *URA3*, overlap to 5' end of JAO864
JAO866	ACAGTCCTGTCTTATTGTTC *URA3* primer, used to amplify the region downstream of *URA3*
JAO1029	ACCTTAGAGTGCTCTAAGCC Used with JAO1030 to amplify the region around the *Eco*RI SNP-RFLP on Chr13
JAO1030	GCTGGTGAAACTGTATTCATT Used with JAO1029 to amplify the region around the *Eco*RI SNP-RFLP on Chr13
JAO1031	ACATTTGAGTTATTTGCTCAG Used with JAO1032 to amplify the region around the *Bgl*II SNP-RFLP on Chr13
JAO1032	CGGAAACCGTTGCATCCAACC Used with JAO1031 to amplify the region around the *Bgl*II SNP-RFLP on Chr13

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