

S4 Table. Primers used in this work.

Primer name	Sequence 5'→3'
Primers used for gene disruption	
REV3_UPTEF	CAATACAAAACACTACAAGTTGTGGCGAAAATAAAATGTTTGAAAATGAGATCTGTTTAGCTTGCC
REV3_DNTEF	ATAACTACTCATCATTTTTGCGAGACATATCTGTGTCTAGATTATTTCGAGCTCGTTTTCGACAC
RAD52_UPTEF	ACGAAAAATATAGCGGCGGGCGGGTTACGCGACCGGTATCGAATGGAGATCTGTTTAGCTTGCC
RAD52_DNTEF	ATAATGATGCAAAATTTTTATTTGTTTCGGCCAGGAAGCGTTTCAATTCGAGCTCGTTTTCGACAC
MSH2_UPTEF	CTTTATCTGCTGACCTAACATCAAAATCCTCAGATTAAGATGAGATCTGTTTAGCTTGCC
MSH2_DNTEF	ATTATCTATCGATTCTCACTTAAGATGTCGTTGTAATATTAATTATTCGAGCTCGTTTTCGACAC
RAD51_UPTEF	ACGTAGTTATTTGTTAAAGGCCTACTAATTTGTTATCGTCATATGGAGATCTGTTTAGCTTGCC
RAD51_DNTEF	AAGTAAACCTGTGTAATAAAATAGAGACAAGAGACCAAATACCTAATTCGAGCTCGTTTTCGACAC
MMS2_UPTEF	ATTCTGTATATGCAACGTAGAAGAAAGCAGCGTTTACACAAAAATGAGATCTGTTTAGCTTGCC
MMS2_DNTEF	TGGCTTGGAATGCTGCAAATACTGTTTAGGAAAAAGTAGATAACTATTCGAGCTCGTTTTCGACAC
PIF1_UPTEF	TTATCCATTGAGCGATTAGCTTACTTGTATCAATCAATTTTACATGAGATCTGTTTAGCTTGCC
PIF1_DNTEF	ATAGCAGTTTGTATTCTATATAACTATGTGTATTAATATGTACTTATTCGAGCTCGTTTTCGACAC
POL32_UPTEF	ATAATATTTACATTAACAAACAGAAATAGGCTTTAGTTAACTCAATCGGTAATTA
POL32_DNTEF	CATTTGTATTATACATTACATCACAATTAGTAATGGAAAGTGTGGAAAAAAGAAG
Primers used for deletion confirmation	
HPH UO	ACAGACGTCGCGGTGAGTTCAG
HPH DO	TCGCCGATAGTGAAACCGACG
NAT1 UO	ACCGGTAAGCCGTGTCGCAAG
NAT1 DO	GCTTCGTGGTCGTCTCGTACTC
REV3 A	AATTCTGCCAATCTATTTGATCTTG
REV3 B	TCTGATTTAGAGGATGATCTAACCG
REV3 C	TAAATGAAGACCATAGAGCAGAACC
REV3 D	CACCAGATAGAGTTTTGAACGAAAT
RAD52 A	GATTCAACAACCTCCCTTGGCGTC
RAD52 B	CAACCTTCGATGTATGCAATCCTG
RAD52 C	CGCGTGAAACACACCAA
RAD52 D	TACGACACATGGAGGAAAGAAAAAC
RAD51 A	CCAATCTAGTTTAGCTATCCTGCAA
RAD51 B	AAAGTGTGACATAGCTGGGACTTAC
RAD51 C	GTAAGTCCCAGCTATGTCACACTTT
RAD51 D	AATTTTTCTCTTCACTCCCTAAAA
MSH2 A	CGTATAAACAAAGCCAAAGACAAGT
MSH2 B	CCCAATTGAATCAAGAACTCTCTA
MSH2 C	TGAATTGACAGAATTGTCTGAAAA
MSH2 D	ACATCTCTTGTATCCCATCCATA
PIF1 A	AAAGGCGCGTCTTAATTTTCTTCACT
PIF1 B	GTGCGATACGTTTTTGTAGTAAAAGAAA
PIF1 C	ATCAAGTTCATTGTTTCCGAC
PIF1 D	CTTTTTCTATCGAAGGAGGTTACC
MMS2 A	CACCACTATTGCTCATTGTACTG
MMS2 B	TAATATCGTCGCTATCAGCTAAACC
MMS2 C	AAGATAAATCTACCATGCGTCAATC
MMS2 D	TATTTATTATTGGCTTGGACTGGAG
POL32 A	AATTCTCGATCAGTATGCCTCAATA
POL32 B	TTTGTCTAGAGGTTTCTTGTCTATC
<i>Saccharomyces cerevisiae</i> Genome Deletion Project	
Primers used for confirmation of <i>PSF1</i> or <i>psf1-1</i> presence	
InProm	AGCTAGGTTCCAAGAAGGCT
dwPSF1	CCAGCTTGAAAGCATCGATA
Primers used for verification of integration plasmids carrying trinucleotide tracts into the <i>Lys2</i> locus	
Lys2A	TGTGCCTTTGTTACGTCTATATTCA
Lys2D	GAAGCTTCGCAAGTATTCATTTAG
TRP1A	AGAGACCAATCAGTAAAAATC
TRP1D	GCGAAAAGACGATAAATACAA
URA3UP	GGAGCACAGACTTAGATTGG
URA3LW	CGAGATTCCCGGTAATAAC

Primers used for measurement of the stability of the trinucleotide tract

OBL157	AGCAACAGGACTAGGATGAGTAGC
Tri1S	ACTTGGGGAGAGGTGCG
Tri1S2	TGCTTTGCCGATGTTACTTGGG
TNRUP1	CGGCTTTCAAGACACCCATC
TNRUP2	TGTAACGTTACACCCTCTACC
TNRUP3	GCCCTTGCATGACAATTCTG
TNRUP4	GGGACCTAATGCTTCAAC

Primers used for measurement of the stability of repetitive sequences located on plasmids

GT_FOR	GTGGTTAGCAATCGCCTTAC
GT_REV	GTTTTCCAGTCACGAC
REP1_FAM	6-FAM-CACGACGTTGTAAAACGAC
REP2_ROX	ROX-CACGACGTTGTAAAACGAC
REP3_HEX	HEX-CACGACGTTGTAAAACGAC
REP4_TAMRA	TAMRA-CACGACGTTGTAAAACGAC

Primers used for construction of the *RFA1-YFP* fusion cassette

RFA7317F	CAATCGGCTGCTAGCTTAAC
RFA6231R	ACGGTTCACAATCCCTACAG
LEU2_F_H	ACCAAGCTTCGACCCTCGAGGAGAACTTCTAG
LEU2_R_H	GCAAAGCTTCGACTACGTCGTAAGGCCGTTTC
