Table S2. **List of strains used in this study**.

strain	genotype	reference
BR-F	MATa/MATα	(Kuthan et al., 2003)
BR-S	MATa/MATα	(Kuthan et al., 2003)
BR-F-RF	MATa/MATα	this study
BR-F-Flo11p-GFP	MATa/MATα *FLO11*/*FLO11*-EGFP	this study
BR-F-RF-Flo11p-GFP	MATa/MATα *FLO11*/*FLO11*-EGFP	this study
BR-F-RF-p_{GAL1}-GFP	MATa/MATα *HIS3*/*his3Δ*::nat1-p_{GAL1}-GFP	this study
BR-F-*sir2*	MATa/MATα *sir2Δ*::kanMX/*sir2Δ*::nat1	this study
BR-S-*hda1*	MATa/MATα *hda1Δ*::kanMX/*hda1Δ*::nat1	this study

Table S3. **List of primers and plasmids used in the strain construction.**

primer	sequence	purpose
SIR2-del-for	AGACACATTCAAACCATTTTTCCCTCATCGGCACATT AAAGCTGGCAGCTGAAGCTTCGTACGC	deletion of *SIR2* gene
SIR2-del-rev	ATTGATATTAATTTGGCACTTTTAAATTATTAAATTGC CTTCTACGCATAGGCCACTAGTGGATCTG	deletion of *SIR2* gene
HDA1-del-for	GAGAAAGGGAAAGTTGAGCACTGTAATACGCCGAAC AGATTAAGCCAGCTGAAGCTTCGTACGC	deletion of *HDA1* gene
HDA1-del-rev	TTCTTCATCACTCCATTCTTCAAACGAATCCAGTATA AAGTCTGTGCATAGGCCACTAGTGGATCTG	deletion of *HDA1* gene
FLO11-eGFP-for	GCTTATTTGGTCCTTTCGCTTCTATTTAACTCGGCTT TGGGTTTTTGCAGGTCGACAACCCTTAAT	internal fusion of GFP with *FLO11* gene
FLO11-eGFP-rev	ACAGCTAGTTCCTTCGGAGGATCCTCTTGGAACTAG TGCAGTTGGGCGGCCGCATAGGCCACT	internal fusion of GFP with *FLO11* gene
P_{GAL1}-eGFP-for	CTTCGAAGAATATACTAAAAAATGAGCAGGCAAGATA AACGAAGGCAAAGATGCGTACGCTGCAGGTCGAC	P_{GAL1}-GFP cassette for genomic integration
P_{GAL1}-eGFP-rev	TATACACATGTATATATATCGTATGCTGCAGCTTTAA ATAATCGGTGTCACTACGATGAATTCTCTGTCG	P_{GAL1}-GFP cassette for genomic integration

plasmid	application	reference
pAG25	deletion cassette (nat marker)	(Goldstein and McCusker, 1999)
pUG6	deletion cassette (kanMX marker)	(Gueldener et al., 2002)
pYM-N25	P_{GAL1}-GFP cassette	(Janke et al., 2004)
pOM40	internal GFP fusion	(Gauss et al., 2005)
pSH65	marker excision	(Gauss et al., 2005)

Table S4. **List of primers used in qPCR**.

Primer	ORF	Gene	Sequence	Tm	% GC	nt
MAM3Fd	YOL060C	*MAM3*	tctagggatgttgccgattc	64.3	50	20
MAM3Rv	YOL060C	*MAM3*	tacaccacccagcagcacta	64.8	55	20
SHR5Fd	YOL110W	*SHR5*	cgtctcgcctctgtcagaat	65	55	20
SHR5Rv	YOL110W	*SHR5*	ccgaacacctcaccttcttc	64.1	55	20
TOA1Fd	YOR194C	*TOA1*	acaaaggcgagatggaaatg	64.3	45	20
TOA1Rv	YOR194C	*TOA1*	tatacccactccgcttccac	64.2	55	20
CLP1Fd	YOR250C	*CLP1*	gtcaaggtaaactcgggcat	63.2	50	20
CLP1Rv	YOR250C	*CLP1*	tcgacagcgtatatgggaaa	63.4	45	20
MPD1Fd	YOR288C	*MPD1*	agcttcgataaagcgatcca	64	45	20
MPD1Rv	YOR288C	*MPD1*	gccttgcggaacgtactaga	64.5	55	20

Fd: forward primer, Rv: reverse primer, Tm: melting temperature, nt: nucleotides

Supplemental references

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