

S2 Table. Plasmids used for this study.

Number	Name	Protein Expressed/Description	Source	Used Primer	PCR template	Used Plasmid	Figure
TNP1311	pRS424	High-copy vector	Ref. 1	-	-	-	Figure 1 A
TNP1401	pRS424-T _{CYC1}	T _{CYC1}	Ref. 2	-	-	-	-
TNP0219	pRS424-STT4frag	Stt4frag O/P	This study	TN42, TN64	gDNA of AN120	pRS424-T _{CYC1}	Figure 1 A
TNP0101	pRS424-EFR3	Efr3 O/P	This study	TN66, TN67	gDNA of AN120	pRS424	Figure 1 A
TNP1402	pRS424-P _{TEF1}	P _{TEF1}	Ref. 2	-	-	-	-
TNP1428	pRS424-P _{TEF1} -C-GFP-T _{ADHI}	P _{TEF1} -C-GFP-T _{ADHI}	Ref. 2	-	-	-	-
TNP0110	pRS424-P _{TEF1} -EFR3-1–2346bp-GFP	Efr3-1–782 aa-GFP O/P	This study	TN49, TN70	gDNA of AN120	pRS424-P _{TEF1} -C-GFP-T _{ADHI}	Figure 1 C
TNP0114	pRS424-P _{TEF1} -EFR3-1–2190bp-GFP	Efr3-1–730 aa-GFP O/P	This study	TN49, TN219	gDNA of AN120	pRS424-P _{TEF1} -C-GFP-T _{ADHI}	Figure 1 C
TNP0113	pRS424-P _{TEF1} -EFR3-1–1950bp-GFP	Efr3-1–650 aa-GFP O/P	This study	TN49, TN217	gDNA of AN120	pRS424-P _{TEF1} -C-GFP-T _{ADHI}	Figure 1 C
TNP0117	pRS424-P _{TEF1} -EFR3-1951–2346bp-GFP	Efr3-651–782 aa-GFP O/P	This study	TN50, TN246	gDNA of AN120	pRS424-P _{TEF1} -C-GFP-T _{ADHI}	Figure 1 C
TNP1404	pRS424-P _{TEF1} -T _{CYC1}	P _{TEF1} -T _{CYC1}	This study	-	-	pRS424-T _{CYC1}	-
						pRS424-P _{TEF1}	
TNP0221	pRS424-P _{TEF1} -STT4-1–2442bp	Stt4-1–814 aa O/P	This study	TN41, TN42	gDNA of AN120	pRS424-P _{TEF1} -T _{CYC1}	Figure 1 D
TNP0225	pRS424-P _{TEF1} -STT4-1–1494bp	Stt4-1–498 aa O/P	This study	TN41, TN82	gDNA of AN120	pRS424-P _{TEF1} -T _{CYC1}	Figure 1 D
TNP0222	pRS424-P _{TEF1} -STT4-1–1221bp	Stt4-1–407 aa O/P	This study	TN41, TN47	gDNA of AN120	pRS424-P _{TEF1} -T _{CYC1}	Figure 1 D
TNP0224	pRS424-P _{TEF1} -STT4-1–771bp	Stt4-1–257 aa O/P	This study	TN41, TN79	gDNA of AN120	pRS424-P _{TEF1} -T _{CYC1}	Figure 1 D
TNP0227	pRS424-P _{TEF1} -STT4-1–522bp	Stt4-1–184 aa O/P	This study	TN41, TN105	gDNA of AN120	pRS424-P _{TEF1} -T _{CYC1}	Figure 1 D
TNP0228	pRS424-P _{TEF1} -STT4-1–405bp	Stt4-1–135 aa O/P	This study	TN41, TN106	gDNA of AN120	pRS424-P _{TEF1} -T _{CYC1}	Figure 1 D
TNP0233	pRS424-P _{TEF1} -STT4-406–2442bp	Stt4-136–814 aa O/P	This study	TN42, TN116	gDNA of AN120	pRS424-P _{TEF1} -T _{CYC1}	Figure 1 D
TNP0864	pGADT7	Yeast two-hybrid system vector	Clontech	-	-	-	-
TNP0867	pGBKT7	Yeast two-hybrid system vector	Clontech	-	-	-	-
TNP0875	pBG4D-2	Yeast two-hybrid system vector	Gift from T. Maeda	-	-	-	Figure 1 E
TNP0251	pGBKT7-EFR3-1951–2346bp	GBD-Efr3-651–782 aa	This study	TN49, TN70	gDNA of AN120	pGBKT7	-
TNP0262	pBG4D-2-EFR3-1951–2346bp	Efr3-651–782 aa-GBD	This study	-	-	pGBKT7-EFR3-1951–2346bp pBG4D-2	Figure 1 E
TNP0255	pBG4D-2-STT4-1–2442bp	Stt4-1–814 aa-GBD	This study	TN41, TN76	gDNA of AN120	pBG4D-2-EFR3-1951–2346bp	Figure 1 E
TNP0257	pBG4D-2-STT4-1–771bp	Stt4-1–257 aa-GBD	This study	TN41, TN78	gDNA of AN120	pBG4D-2-EFR3-1951–2346bp	Figure 1 E
TNP0258	pBG4D-2-STT4-1–552bp	Stt4-1–184 aa-GBD	This study	TN41, TN338	gDNA of AN120	pBG4D-2-EFR3-1951–2346bp	Figure 1 E
TNP0259	pBG4D-2-STT4-1–405bp	Stt4-1–135 aa-GBD	This study	TN41, TN379	gDNA of AN120	pBG4D-2-EFR3-1951–2346bp	Figure 1 E
TNP0260	pBG4D-2-STT4-406–2442bp	Stt4-136–814 aa-GBD	This study	TN76, TN116	gDNA of AN120	pBG4D-2-EFR3-1951–2346bp	Figure 1 E
TNP0263	pGADT7-YPP1	GAD-Ypp1	This study	TN145, TN146	gDNA of AN120	pGADT7	Figure 1 E
TNP1308	pRS316	Low-copy vector	Ref. 3	-	-	-	-
TNP1328	pRS314-P _{ADHI} -GFP-Nterm	P _{ADHI} -N-GFP-T _{CYC1}	Ref. 4	-	-	-	-
TNP1329	pRS316-P _{ADHI} -GFP-Nterm	P _{ADHI} -N-GFP-T _{CYC1}	This study	-	-	pRS314-P _{ADHI} -GFP-Nterm pRS316	-
TNP0211	pRS316-P _{ADHI} -GFP-STT4	GFP-Stt4 low-copy	This study	YSMO024, YMSO025	gDNA of YPH499	pRS316-P _{ADHI} -GFP-Nterm pRS316-P _{ADHI} -GFP-STT4	Figure 2 A
TNP0214	pRS424-P _{ADHI} -GFP-STT4	GFP-Stt4 high-copy	This study	-	-	pRS316-P _{ADHI} -GFP-STT4 pRS424	Figure 2 A
TNP1222	pRS426-P _{TEF1} -mRFP-SPO20 ^{51–91} (pRS426-R20)	mRFP-Spo20 ^{51–91}	Ref. 5	-	-	-	Figure 2 A
TNP1036	pFA6a-GFP(S65T)-kanMX6	C-terminal tagging GFP-kanMX6	Ref. 6	-	-	-	-
TNP1331	pRS316-P _{ADHI} -GFP-Cterm	P _{ADHI} -C-GFP-T _{ADHI}	This study	YSMO012, YSMO013 YSMO017, YSMO018	gDNA of YPH499 pFA6a-GFP(S65T)-kanMX6	pRS316	-
TNP0105	pRS316-EFR3-GFP	Efr3-GFP low-copy	This study	YSMO028, YSMO029	gDNA of YPH499	pRS316-P _{ADHI} -GFP-Cterm	Figure 2 C
TNP0106	pRS424-EFR3-GFP	Efr3-GFP high-copy	This study	-	-	pRS316-EFR3-GFP pRS424	Figure 2 C

S2 Table. Plasmids used for this study (continued).

Number	Name	Protein Expressed/Description	Source	Used Primer	PCR template	Used Plasmid	Figure
TNP1241	pRS316-P _{TEF1} -mKate2-SPO20 ⁵¹⁻⁹¹	mKate2-Spo20 ⁵¹⁻⁹¹	Ref. 2	-	-	-	Figure 2 E
TNP1038	pFA6a-mCherry-HIS3MX6	C-terminal tagging mCherry-HIS3MX6	Gift from M. Onishi	-	-	-	-
TNP1312	pRS426	High-copy vector	Ref. 1	-	-	-	-
TNP1429	pRS424-P _{TEF1} -C-mCherry-T _{ADHI}	P _{TEF1} -C-mCherry-T _{ADHI}	This study	TN98, TN99	pFA6a-mCherry-HIS3MX6	pRS424-P _{TEF1} -C-GFP-T _{ADHI}	-
TNP0123	pRS424-P _{TEF1} -EFR3-mCherry	Efr3-mCherry O/P	This study	-	-	pRS424-P _{TEF1} -EFR3-1-2346bp-GFP pRS424-P _{TEF1} -C-mCherry-T _{ADHI} pRS424-P _{TEF1} -EFR3-mCherry	-
TNP0124	pRS426-P _{TEF1} -EFR3-mCherry	Efr3-mCherry O/P	This study	-	-	pRS426	Figure 2 E
TNP1307	pRS314	Low-copy vector	Ref. 3	-	-	-	-
TNP0201	pRS314-STT4	Stt4	This study	TN57, TN64	gDNA of AN120	pRS314	Sup. Fig. 1 A
TNP0202	pRS314-STT4-D1754A	Stt4 ^{D1754A}	This study	TN121, TN122	pRS314-STT4	-	Sup. Fig. 1 A
TNP0203	pRS424-STT4	Stt4 O/P	This study	-	-	pRS314-STT4, pRS424	Sup. Fig. 1 B
TNP0204	pRS424-STT4-D1754A	Stt4 ^{D1754A} O/P	This study	-	-	pRS314-STT4-D1754A, pRS424	Sup. Fig. 1 B
TNP1033	pFA6a-link-GFPEnvy-SpHis5	C-terminal tagging GFPEnvy-SpHis5	Addgene (#60782)	-	-	-	-
TNP1338	pRS314-P _{TEF1} -T _{CYC1}	P _{TEF1} -T _{CYC1}	This study	-	-	pRS314 pRS424-P _{TEF1} -T _{CYC1}	-
TNP1355	pRS314-P _{TEF1} -N-GFPEnvy-T _{CYC1}	P _{TEF1} -N-GFPEnvy-T _{CYC1}	This study	TN396, TN397	pFA6a-GFPEnvy-HIS3MX6	pRS314-P _{TEF1} -T _{CYC1}	-
TNP0179	pRS314-P _{TEF1} -GFPEnvy-YPP1	GFPEnvy-Ypp1	This study	TN145, TN146	gDNA of AN120	pRS314-P _{TEF1} -N-GFPEnvy-T _{CYC1}	Sup. Fig. 1 C
TNP1346	pRS314-C-GFP-T _{ADHI}	C-GFP-T _{ADHI}	This study	-	-	pRS314 pRS424-P _{TEF1} -C-GFP-T _{ADHI}	-
TNP0172	pRS314-SFK1-GFP	Sfk1-GFP	This study	TN163, TN390	gDNA of AN120	pRS314-C-GFP-T _{ADHI}	Sup. Fig. 1 D
TNP1061	pAURI01	Integration to <i>AURI</i> locus	Takara	-	-	-	-
TNP1055	FRP467	Original P _{ACT1} - <i>LexA-ER-VP16</i>	Addgene (#58430)	-	-	-	-
TNP1056	mod_FRP467	StuI site in <i>ER</i> is omitted.	This study	TN289, TN290	FRP467	-	-
TNP1059	pAURI01-P _{ACT1} -LexA-ER-VP16	modified P _{ACT1} - <i>LexA-ER-VP16</i> (<i>AURI-C</i>)	This study	-	-	mod_FRP467 (#58430) pAURI01	Figure 3 B
TNP1047	pRK69	P _{CLB} - <i>N-3×HA</i> tag (<i>kanMX6</i>)	Ref. 7	-	-	-	-
TNP1001	pFA6a-HIS3MX6	Template of <i>HIS3MX6</i>	Ref. 6	-	-	-	-
TNP1046	pFA6a-HIS3MX6-P _{CLB2} -3×HA	P _{CLB2} - <i>N-3×HA</i> tag (<i>HIS3MX6</i>)	This study	-	-	pRK69 pFA6a-HIS3MX6	-
TNP1110	pMK38	Template of P _{CUP1} - <i>N-IAA17-linker</i>	NRBP (#BYP6739)	-	-	-	-
TNP1111	pFA6a-HIS3MX6-P _{CLB2} -IAA17	P _{CLB2} - <i>N-IAA17-linker</i> tag (<i>HIS3MX6</i>)	This study	TN187, TN188	pMK38	pFA6a-HIS3MX6-P _{CLB2} -3×HA	-
TNP1128	pMK27	P _{GALI1} - <i>AtTIR1-9×Myc::URA3</i>	NRBP (#BYP6741)	-	-	-	-
TNP1052	pFA6a-kanMX6-P _{CLB2} -9×Myc	P _{CLB2} - <i>N-9×Myc-linker</i> tag (<i>kanMX6</i>)	This study	HJ47, HJ48	pMK27	pRK69 pFA6a-HIS3MX6-P _{CLB2} -IAA17	-
TNP1124	pMK152	<i>C-degron</i> tag (<i>hphNT1</i>)	NBRP (#BYP7431)	-	-	-	-
TNP1064	FRP1642	P _{4×lexA} tag (<i>hphNT1</i>)	Addgene (#58442)	-	-	-	-
TNP1065	pFA6a-hphNT1-P _{4×lexA} -9×Myc	P _{4×lexA} - <i>9×Myc-linker</i> tag (<i>hphNT1</i>)	This study	TN310, TN311	FBP1642	pFA6a-kanMX6-P _{CLB2} -9×Myc pMK152	Figure 3 B
TNP1048	pFA6a-natNT2-P _{CLB2} -3HA	P _{CLB2} - <i>N-3HA</i> tag (<i>natNT2</i>)	Ref. 4	-	-	-	-
TNP1119	pFA6a-natNT2-P _{CLB2} -degron	P _{CLB2} - <i>N-degron-linker</i> tag (<i>natNT2</i>)	This study	TN205, TN206	pMK152	pFA6a-natNT2-P _{CLB2} -3HA pFA6a-kanMX6-P _{CLB2} -9×Myc	Figure 3 B
TNP1140	pMK200	P _{ADHI} - <i>mod-OsTIR1::URA3</i>	NBRP (#BYP7569)	-	-	-	-
TNP1301	pRS303	Integration vector	Ref. 3	-	-	-	-

S2 Table. Plasmids used for this study (continued).

Number	Name	Protein Expressed/Description	Source	Used Primer	PCR template	Used Plasmid	Figure
TNP1139	pRS303-P _{ADHI} -mod-OsTIR1	<i>P_{ADHI}-mod-OsTIR1::HIS3</i>	This study	-	-	pMK200 pRS303	Figure 3 B
TNP1303	pRS306	Integration vector	Ref. 3	-	-	-	-
TNP0210	pRS306-P _{ADHI} -GFP-STT4	<i>P_{ADHI}-GFP-STT4::URA3</i>	This study	-	-	pRS316-P _{ADHI} -GFP-STT4 pRS306	Figure 3 D
TNP1310	mod_pRS303	KpnI site in <i>HIS3</i> is omitted.	Ref. 2	-	-	-	-
TNP1237	mod_pRS303-P _{TEF1} - mKate2-SPO20 ⁵¹⁻⁹¹	mKate2-Spo20 ⁵¹⁻⁹¹	This study	-	-	mod_pRS303 pRS316-P _{TEF1} -mKate2-SPO20 ⁵¹⁻⁹¹	Figure 3 E
TNP0313	pRS424-SAC1	Sac1 O/P	This study	TN119, TN120	gDNA of AN120	pRS424	Figure 4 B
TNP1408	pRS424-P _{SPR3} -T _{CYC1}	P _{SPR3} -T _{CYC1}	Ref. 2	-	-	-	-
TNP0679	pRS424-P _{SPR3} -mRFP- SPO20 ⁵¹⁻⁹¹ -[SAGG]×4- T _{CYC1}	P _{SPR3} -mRFP-SPO20 ⁵¹⁻⁹¹ -[SAGG]×4- T _{CYC1}	This study	TN95, TN100	pRS424-P _{TEF1} -mRFP-SPO20 ⁵¹⁻⁹¹	pRS424-P _{SPR3} -T _{CYC1}	-
TNP0335	pRS424-P _{SPR3} -mR-SPO20 ⁵¹⁻⁹¹ -SAC1 ²⁻⁵¹⁷	mR-Spo20 ⁵¹⁻⁹¹ -Sac1 ²⁻⁵¹⁷ O/P	This study	TN101, TN102	gDNA of AN120	pRS424-P _{SPR3} -mRFP- SPO20 ⁵¹⁻⁹¹ -[SAGG]×4- T _{CYC1}	Figure 4 B
TNP0337	pRS424-P _{SPR3} -mR-SPO20 ⁵¹⁻⁹¹ -SAC1 ²⁻⁵¹⁷ -PD	mR-Spo20 ⁵¹⁻⁹¹ -Sac1 ²⁻⁵¹⁷ -PD O/P	This study	TN143, TN144	pRS424-P _{SPR3} -mR-SPO20 ⁵¹⁻⁹¹ -SAC1 ²⁻⁵¹⁷	-	Figure 4 B
TNP0475	pRS424-DTR1-mRFP	Dtr1-mRFP	Ref. 8	-	-	-	-
TNP0680	pRS424-DTR1-mRFP-[SAGG]×4- T _{CYC1}	DTR1-mRFP-[SAGG]×4- T _{CYC1}	This study	TN127, TN128	pRS424-DTR1-mRFP	pRS424-T _{CYC1}	-
TNP0355	pRS424-DTR1-mR-SAC1 ²⁻⁵¹⁷	Dtr1-mR-Sac1 ²⁻⁵¹⁷ O/P	This study	TN101, TN102	gDNA of AN120	pRS424-DTR1-mRFP-[SAGG]×4- T _{CYC1}	Figure 4 B
TNP0357	pRS424-DTR1-mR-SAC1 ²⁻⁵¹⁷ -PD	Dtr1-mR-Sac1 ²⁻⁵¹⁷ -PD O/P	This study	TN143, TN144	pRS424-DTR1-mR-SAC1 ²⁻⁵¹⁷	-	Figure 4 B
TNP1337	pRS314-T _{CYC1}	T _{CYC1}	This study	-	-	pRS314 pRS424-T _{CYC1}	-
TNP1067	pRS314-P _{4×lexA} -T _{CYC1}	P _{4×lexA} -T _{CYC1}	This study	pRS-F, TN386	FRP1642	pRS314-T _{CYC1}	-
TNP1068	pRS306-P _{4×lexA} -T _{CYC1}	P _{4×lexA} -T _{CYC1} :: <i>URA3</i>	This study	-	-	pRS314-P _{4×lexA} -T _{CYC1} pRS306	-
TNP1366	pRS314-P _{TEF1} -N-3×mKate2-T _{CYC1}	P _{TEF1} -N-3×mKate2-T _{CYC1}	This study	TN357, TN358 TN421, TN423	pRS316-P _{TEF1} -mKate2-SPO20 ⁵¹⁻⁹¹	pRS314-P _{TEF1} -T _{CYC1}	-
TNP0353	pRS314-P _{4×lexA} -3×mK-SPO20 ⁵¹⁻⁹¹ -SAC1 ²⁻⁵¹⁷	P _{4×lexA} -3×mK-Spo20 ⁵¹⁻⁹¹ -Sac1 ²⁻⁵¹⁷	This study	-	-	pRS424-P _{SPR3} -mR-SPO20 ⁵¹⁻⁹¹ -SAC1 ²⁻⁵¹⁷ pRS314-P _{TEF1} -N-3×mKate2-T _{CYC1}	-
TNP0351	pRS306-P _{4×lexA} -3×mK-SPO20 ⁵¹⁻⁹¹ -SAC1 ²⁻⁵¹⁷	P _{4×lexA} -3×mK-SPO20 ⁵¹⁻⁹¹ -SAC1 ²⁻⁵¹⁷ :: <i>URA3</i>	This study	-	-	pRS314-P _{4×lexA} -T _{CYC1} pRS314-P _{4×lexA} -3×mK-SPO20 ⁵¹⁻⁹¹ -SAC1 ²⁻⁵¹⁷ pRS306-P _{4×lexA} -T _{CYC1}	Figure 4 C
TNP1513	pRS416-P _{PHO5} -GFP-2×PH ^{OSH2} -GFP (pTL511)	GFP-2×PH ^{OSH2}	Ref. 9	-	-	-	Sup. Fig. 3 A
TNP1502	pRS416-P _{PHO5} -GFP-1×PH ^{OSH2} -GFP	GFP-1×PH ^{OSH2}	This study	-	-	pRS416-P _{PHO5} -GFP-2×PH ^{OSH2} -GFP	Sup. Fig. 3 A
TNP0333	pRS424-P _{SPR3} -mK-SPO20 ⁵¹⁻⁹¹ -SAC1 ²⁻⁵¹⁷	mK-Spo20 ⁵¹⁻⁹¹ -Sac1 ²⁻⁵¹⁷ O/P	This study	-	-	pRS316-P _{TEF1} -mKate2-SPO20 ⁵¹⁻⁹¹ pRS424-P _{SPR3} -mR-SPO20 ⁵¹⁻⁹¹ -SAC1 ²⁻⁵¹⁷	Sup. Fig. 3 A
TNP1530	pRS426-P _{PRC1} -GFP-FYVE ^{EEA1}	GFP-FYVE ^{EEA1} O/P	Gift from T. Noda	-	-	-	-
TNP1340	pRS314-P _{TDH3} -T _{CYC1}	P _{TDH3} -T _{CYC1}	This study	TN279, TN280	gDNA of AN120	pRS314-T _{CYC1}	-
-	pRS416	Low-copy vector	Ref. 3	-	-	-	-
TNP1529	pRS416-P _{TDH3} -GFP-FYVE ^{EEA1}	GFP-FYVE ^{EEA1}	This study	TN27, pRS-F	pRS426-P _{PRC1} -GFP-FYVE ^{EEA1}	pRS314-P _{TDH3} -T _{CYC1} pRS416-P _{PHO5} -GFP-1×PH ^{OSH2} -GFP	Figure 6 B
TNP1538	mCherry-P4M-SidM	mCherry-P4M-SidM	Addgene (#51471)	-	-	-	-
TNP1541	pRS416-P _{TDH3} -GFP-P4M-SidM	GFP-P4M-SidM	This study	-	-	mCherry-P4M-SidM pRS416-P _{TDH3} -GFP-FYVE ^{EEA1}	Sup. Fig. 3 C

S2 Table. Plasmids used for this study (continued).

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TNP1539	pRS306-P _{TDH3} -GFP-P4M-SidM	<i>GFP-P4M::URA3</i>	This study	-	-	pRS306 pRS416-P _{TDH3} -GFP-P4M-SidM	Sup. Fig. 3 B
TNP1302	pRS304	Integration vector	Ref. 3	-	-	-	-
TNP1624	pRS316-P _{ADH1} -SEC7-mRFP	Sec7-mRFP	Ref. 10	-	-	-	-
TNP1623	pRS314-P _{ADH1} -SEC7-mRFP	Sec7-mRFP	This study	-	-	pRS316-P _{ADH1} -SEC7-mRFP pRS314	-
TNP1621	pRS304-P _{ADH1} -SEC7-mRFP	<i>P_{ADH1}-SEC7-mRFP::TRP1</i>	This study	-	-	pRS304 pRS314-P _{ADH1} -SEC7-mRFP	-
TNP1622	pRS304mod-P _{ADH1} -SEC7-mRFP	<i>P_{ADH1}-SEC7-mRFP::TRP1</i>	This study	-	-	pRS304-P _{ADH1} -SEC7-mRFP	Sup. Fig. 3 B
TNP1240	pRS314-P _{TEF1} -mKate2-SPO20 ⁵¹⁻⁹¹	mKate2-Spo20 ⁵¹⁻⁹¹	This study	-	-	pRS316-P _{TEF1} -mKate2-SPO20 ⁵¹⁻⁹¹ pRS314	Sup. Fig. 3 C
TNP1305	pRS313	Low-copy vector	Ref. 3	-	-	-	-
TNP1306	mod_pRS313	Modified low-copy vector	This study	-	-	FRP467 pRS313	-
TNP1239	mod_pRS313-P _{TEF1} -mKate2-SPO20 ⁵¹⁻⁹¹	mKate2-Spo20 ⁵¹⁻⁹¹	This study	-	-	pRS316-P _{TEF1} -mKate2-SPO20 ⁵¹⁻⁹¹ mod_pRS313	-
TNP1257	mod_pRS313-P _{TEF1} -mTagBFP2-SPO20 ⁵¹⁻⁹¹	mTagBFP2-Spo20 ⁵¹⁻⁹¹	This study	TN408, TN409	<i>mTagBFP2</i> -gBlocks	mod_pRS303-P _{TEF1} -mKate2-SPO20 ⁵¹⁻⁹¹	Sup. Fig. 3 D
TNP1537	GFP-P4M-SidM	GFP-P4M-SidM	Addgene (#51469)	-	-	-	-
TNP1549	pRS424-P _{TEF1} -GFP-OSH2-P4M	GFP-Osh2-P4M	This study	-	-	pRS416-P _{PHOS} -GFP-2×PH ^{OSH2} -GFP GFP-P4M-SidM pRS424-P _{TEF1}	-
TNP1548	pRS416-P _{TDH3} -GFP-OSH2-P4M	GFP-Osh2-P4M	This study	TN27, pRS-F	pRS424-P _{TEF1} -GFP-OSH2-P4M	pRS416-P _{TDH3} -GFP-FYVE ^{EEA1}	Figure 5 B
TNP1304	mod_pRS306	SmaI site is created in <i>URA3</i>	This study	TN542, TN543	pRS306	-	-
TNP1547	mod_pRS306-P _{TDH3} -GFP-P4M-SidM	<i>GFP-OSH2-P4M::URA3</i>	This study	-	-	mod_pRS303-P _{TDH3} -GFP-P4M-SidM mod_pRS306	Sup. Fig. 4 D
TNP1546	mod_pRS303-P _{TDH3} -GFP-OSH2-P4M	<i>GFP-OSH2-P4M::HIS3</i>	This study	-	-	pRS416-P _{TDH3} -GFP-P4M-SidM mod_pRS303	Figure 5 C
TNP0352	pRS306-P _{4^{lexA}} -3×mK-SPO20 ⁵¹⁻⁹¹ -SAC1 ²⁻⁵¹⁷ -PD	<i>P_{4^{lexA}}-3×mK-SPO20⁵¹⁻⁹¹-SAC1²⁻⁵¹⁷-PD::URA3</i>	This study	-	-	pRS424-P _{SPR3} -mR-SPO20 ⁵¹⁻⁹¹ -SAC1 ²⁻⁵¹⁷ -PD pRS306-P _{4^{lexA}} -3×mK-SPO20 ⁵¹⁻⁹¹ -SAC1 ²⁻⁵¹⁷ pRS306-P _{4^{lexA}} -T _{CYC1}	Figure 5 C
TNP1523	pRS426-P _{PRC1} -GFP-2×PH ^{PLC8} O/P	GFP-2×PH ^{PLC8} O/P	Ref. 11	-	-	-	-
TNP1524	pRS416-P _{TDH3} -GFP-2×PH ^{PLC8}	GFP-2×PH ^{PLC8}	This study	-	-	pRS426-P _{PRC1} -GFP-2×PH ^{PLC8} pRS416-P _{TDH3} -GFP-FYVE ^{EEA1}	Figure 6 C
TNP1360	pRS314-P _{TEF1} -N-3×GFPEnvoy-T _{CYC1}	P _{TEF1} -N-3×GFPEnvoy-T _{CYC1}	This study	TN394, TN396 TN397, TN414 TN422	pRS314-P _{TEF1} -N-GFPEnvoy-T _{CYC1}	pRS314-P _{TEF1} -T _{CYC1}	-
TNP0140	pRS314-P _{MSS4} -3×GFPEnvoy-MSS4	3×GFPEnvoy-Mss4	This study	TN123, TN550 TN126, TN393	gDNA of AN120	pRS314-P _{TEF1} -N-3×GFPEnvoy-T _{CYC1}	Figure 6 D
TNP1004	pFA6a-kanMX6	Template of <i>kanMX6</i>	Ref. 6	-	-	-	-
TNP1920	pFA6a-spo71Δ-kanMX6-Long	Template of <i>spo71::kanMX6</i>	This study	TN804, TN805	TC581 genome	pFA6a-kanMX6	-
TNP1005	pFA6a-natNT2	Template of <i>natNT2</i>	Ref. 12	-	-	pFA6a-natNT2-P _{CLB2} -3HA	-
TNP1923	pFA6a-spo71Δ-natNT2-Long	Template of <i>spo71::natNT2</i>	This study	-	-	pFA6a-natNT2 pFA6a-spo71Δ-kanMX6-Long	Figure 7 A
TNP0449	pRS426-VPS13	Vps13 O/P	Ref. 13	-	-	-	Figure 7 B

S2 Table. Plasmids used for this study (continued).

Number	Name	Protein Expressed/Description	Source	Used Primer	PCR template	Used Plasmid	Figure
TNP1002	pFA6a-TRP1	Template of <i>TRP1</i>	Ref. 6	-	-	-	-
TNPP110	pRS424-VPS13-TRP1(1360)-frag	Frangemnt of <i>VPS13</i> containing <i>TRP1</i> insertion	This study	TN635, TN636	TNY475 genome	pRS424	-
TNPP109	pRS424-VPS13-GFPEnvy(1360)-frag	Frangemnt of <i>VPS13</i> containing <i>GFPEnvy</i> insertior	This study	-	-	pRS314-P _{TEF1} -N-GFPEnvy-T _{CYC1} pRS424-VPS13-TRP1(1360)-frag	-
TNP0448	pRS314-VPS13	Vps13	This study	-	-	pRS426-VPS13 pRS314	-
TNP0532	pRS314-VPS13-GFPEnvy(1360)	Vps13 ⁺ GFPEnvy	This study	TN701, TN702 TN633, TN634 TN703, TN704	gDNA of AN120 pRS424-VPS13-GFPEnvy(1360)-frag	pRS314-VPS13	-
TNP1930	pFA6a-VPS13-GFPEnvy(1360)-frag-Long	Frangemnt of <i>VPS13</i> containing <i>GFPEnvy</i> insertior	This study	TN801, TN802	pRS314-VPS13-GFPEnvy(1360)	pFA6a-kanMX6	-
TNP1014	pFA6a-loxP-hphNT1-loxP (pUG-hph)	Template of <i>loxP-hphNT1-loxP</i>	Ref. 14	-	-	-	-
TNP1016	pFA6a-loxP-HIS3MX6-loxP (pUG-His)	Template of <i>loxP-HIS3MX6-loxP</i>	This study	-	-	pFA6a-HIS3MX6 pUG-hph	-
TNP1931	pFA6a-VPS13-GFPEnvy(1360)-loxP-HIS3MX6-loxP-Long	Frangemnt of <i>VPS13</i> containing GFPEnvy::loxP-HIS3MX6-loxP insertion	This study	TN807, TN810	pUG-His	pFA6a-VPS13-GFPEnvy(1360)-frag-Long	Figure 7 C
TNP1955	pRS425-Cas9-SkHIS3-381	Cas9 and gRNA for <i>SkHIS3-381</i>	Ref. 15	-	-	-	-
TNP1956	pRS426-Cas9-SkHIS3-381	Cas9 and gRNA for <i>SkHIS3-381</i>	This study	YF17, YF18	pRS425-Cas9-SkHIS3-381	pRS426	Figure 7 C
TNP0437	pRS426-SPO71	Spo71 O/P	Ref. 13	-	-	-	-
TNP0436	pRS314-SPO71	Spo71	This study	-	-	pRS426-SPO71 pRS314	Figure 7 C
TNP1946	pRS314-P _{TEF1} -C-mKate2-SPO20 ⁵¹⁻⁹¹ -T _{ADH1}	P _{TEF1} -C-mKate2-Spo20 ⁵¹⁻⁹¹ -T _{ADH}	This study	YF12, YF13	pRS316-P _{TEF1} -mKate2-SPO20 ⁵¹⁻⁹¹	pRS314-P _{TEF1} -C-GFPEnvy-T _{ADH1}	-
TNP1947	pRS314-P _{TEF1} -SPO71 ³⁵⁹⁻⁴¹¹ -mK-SPO20 ⁵¹⁻⁹¹	Spo71 ³⁵⁹⁻⁴¹¹ -mK-Spo20 ⁵¹⁻⁹¹	This study	YF9, YF10	pRS314-SPO71	pRS314-P _{TEF1} -C-mKate2-SPO20 ⁵¹⁻⁹¹ -T _{ADH1} pRS314-P _{TEF1} -SPO71 ³⁵⁹⁻⁴¹¹ -mK-SPO20 ⁵¹⁻⁹¹	-
TNP1957	pRS424-P _{SPR3} -SPO71 ³⁵⁹⁻⁴¹¹ -mK-SPO20 ⁵¹⁻⁹¹	Spo71 ³⁵⁹⁻⁴¹¹ -mK-Spo20 ⁵¹⁻⁹¹ O/P	This study	-	-	pRS424-P _{SPR3} -T _{CYC1} pRS424-P _{SPR3} -SPO71 ³⁵⁹⁻⁴¹¹ -mK-SPO20 ⁵¹⁻⁹¹	Figure 7 D
TNP1958	pRS426-P _{SPR3} -SPO71 ³⁵⁹⁻⁴¹¹ -mK-SPO20 ⁵¹⁻⁹¹	Spo71 ³⁵⁹⁻⁴¹¹ -mK-Spo20 ⁵¹⁻⁹¹ O/P	This study	-	-	pRS426	Figure 7 F
TNP1954	pRS314-P _{TEF1} -VPS13 ¹⁻⁵⁷ -GFPEnvy-T _{ADH1}	Vps13 ¹⁻⁵⁷ -GFPEnvy	This study	YF3, YF63	pRS314-VPS13-GFPEnvy(1360)	pRS314-P _{TEF1} -C-GFPEnvy-T _{ADH1}	Figure 7 G
TNP1373	pRS316-P _{TEF1} -T _{CYC1}	P _{TEF1} -T _{CYC1}	This study	-	-	pRS424-P _{TEF1} -T _{CYC1} pRS316	-
TNP1377	pRS316-P _{TEF1} -N-mKate2-T _{CYC1}	P _{TEF1} -N-mKate2-T _{CYC1}	This study	TN357, TN358	pRS316-P _{TEF1} -mKate2-SPO20 ⁵¹⁻⁹¹	pRS316-P _{TEF1} -T _{CYC1}	-
TNP1857	pRS316-P _{TEF1} -mKate2-SEC61-T _{CYC1}	mKate2-Sec61	This study	TN466, TN467	gDNA of AN120	pRS316-P _{TEF1} -N-mKate2-T _{CYC1}	Figure 7 G
TNP0533	pRS426-VPS13-GFPEnvy(1360)	Vps13 ⁺ GFPEnvy O/P	This study	-	-	pRS314-VPS13-GFPEnvy(1360) pRS426-VPS13	Sup. Fig. 5 D
TNP1829	pRS314-IST2-GFP	Ist2-GFP	This study	TN317, TN318	gDNA of AN120	pRS314-C-GFP-T _{ADH1}	Figure 8 A
TNP1034	pFA6a-GFPEnvy-HIS3MX6	C-terminal tagging GFPEnvy-HIS3MX6	This study	-	-	pFA6a-HIS3MX6 pFA6a-link-GFPEnvy-SpHis5	-
TNP1350	pRS314-P _{TEF1} -C-GFP-T _{ADH1}	P _{TEF1} -C-GFP-T _{ADH1}	Ref. 2	-	-	-	-
TNP1358	pRS314-P _{TEF1} -C-GFPEnvy-T _{ADH1}	P _{TEF1} -C-GFPEnvy-T _{ADH1}	This study	TN394, TN395	pFA6a-GFPEnvy-HIS3MX6	pRS314-P _{TEF1} -C-GFP-T _{ADH1}	-
TNP1840	pRS314-P _{TEF1} -TCB3-GFPEnvy	Tcb3-GFPEnvy	This study	TN500, TN501	gDNA of AN120	pRS314-P _{TEF1} -C-GFPEnvy-T _{ADH1}	Figure 8 A
TNP1833	pRS314-SCS2-GFPEnvy	Scs2-GFPEnvy	This study	TN490, TN491	gDNA of AN120	pRS314-P _{TEF1} -C-GFPEnvy-T _{ADH1}	Figure 8 A
TNP1828	pRS306-IST2-GFP	<i>IST2-GFP::URA3</i>	This study	-	-	pRS314-IST2-GFP pRS306	Figure 8 B
TNP1835	pRS314-P _{TEF1} -SCS22-GFPEnvy	Scs22-GFPEnvy	This study	TN821, TN822	gDNA of AN120	pRS314-P _{TEF1} -C-GFPEnvy-T _{ADH1}	Sup. Fig. 6 A
TNP1837	pRS314-P _{TEF1} -TCB1-GFPEnvy	Tcb1-GFPEnvy	This study	TN817, TN818	gDNA of AN120	pRS314-P _{TEF1} -C-GFPEnvy-T _{ADH1}	Sup. Fig. 6 A
TNP1841	pRS314-P _{TEF1} -ICE2-GFPEnvy	Ice2-GFPEnvy	This study	TN823, TN824	gDNA of AN120	pRS314-P _{TEF1} -C-GFPEnvy-T _{ADH1}	Sup. Fig. 6 A
TNP1375	pRS316-P _{TEF1} -C-GFPEnvy-T _{ADH1}	C-GFPEnvy-T _{ADH1}	This study	-	-	pRS316 pRS314-P _{TEF1} -C-GFPEnvy-T _{ADH1}	-
TNP1937	pRS314-P _{TEF1} -C-GFP-β ₁₋₁₀ -T _{ADH1}	GFP-β ₁₋₁₀	This study	KM5, KM11	<i>superfolderGFP</i> -gBlocks	pRS314-P _{TEF1} -C-GFPEnvy-T _{ADH1}	-
TNP1938	pRS316-P _{TEF1} -C-GFP-β ₁₋₁₁ -T _{ADH1}	GFP-β ₁₋₁₁	This study	KM5, KM15	<i>superfolderGFP</i> -gBlocks	pRS316-P _{TEF1} -C-GFPEnvy-T _{ADH1}	-

S2 Table. Plasmids used for this study (continued).

Number	Name	Protein Expressed/Description	Source	Used Primer	PCR template	Used Plasmid	Figure
TNP1939	pRS316-P _{TEF1} -C-GFP-β ₁₁ -T _{ADH1}	GFP-β ₁₁	This study	KM14, pRS-R	pRS316-P _{TEF1} -C-GFP-β ₁₋₁₁ -T _{ADH1}	pRS316-P _{TEF1} -C-GFPEnvy-T _{ADH1}	-
TNP1942	pRS314-mK-SPO20 ^{S1-91} -GFP-β ₁₋₁₀ -T _{ADH1}	mK-Spo20 ^{S1-91} -GFP-β ₁₋₁₀	This study	HT673, HT689 HT669, HT678	pRS424-P _{SPR3} -mK-SPO20 ^{S1-91} -SAC1 ²⁻⁵¹⁷	pRS314-P _{TEF1} -C-GFP-β ₁₋₁₀ -T _{ADH1}	Sup. Fig. 6 B
TNP1941	pRS316-P _{TEF1} -TCB3-GFP-β ₁₁ -T _{ADH1}	Teb3-GFP-β ₁₁	This study	-	-	pRS316-P _{TEF1} -C-GFP-β ₁₁ -T _{ADH1} pRS314-P _{TEF1} -TCB3-GFPEnvy	Sup. Fig. 6 B
TNP1801	pRS314-P _{TEF1} -GFPEnvy-OSH1	GFPEnvy-Osh1	This study	TN511, TN512	gDNA of AN120	pRS314-P _{TEF1} -N-GFPEnvy-T _{CYC1}	Sup. Fig. 7
TNP1803	pRS314-P _{TEF1} -GFPEnvy-OSH2	GFPEnvy-Osh2	This study	TN468, TN469	gDNA of AN120	pRS314-P _{TEF1} -N-GFPEnvy-T _{CYC1}	Sup. Fig. 7
TNP1349	pRS314-C-GFPEnvy-T _{ADH1}	C-GFPEnvy-T _{ADH1}	This study	-	-	pRS314-P _{TEF1} -C-GFPEnvy-T _{ADH1} pRS314	-
TNP1805	pRS314-OSH3-GFPEnvy	Osh3-GFPEnvy	This study	TN436, TN437 TN394, TN395	gDNA of AN120	pRS314-C-GFPEnvy-T _{ADH1}	-
TNP1362	pRS314-P _{TEF1} -C-3×GFPEnvy-T _{ADH1}	P _{TEF1} -C-3×GFPEnvy-T _{ADH1}	This study	TN397, TN414 TN422	pRS314-P _{TEF1} -C-GFPEnvy-T _{CYC1}	pRS314-P _{TEF1} -T _{CYC1}	-
TNP1806	pRS314-OSH3-3×GFPEnvy	Osh3-3×GFPEnvy	This study	-	-	pRS314-OSH3-GFPEnvy pRS314-C-3×GFPEnvy-T _{ADH1}	Sup. Fig. 7
TNP1810	pRS314-OSH4-GFPEnvy	Osh4-GFPEnvy	This study	TN438, TN439	gDNA of AN120	pRS314-C-GFPEnvy-T _{ADH1}	Sup. Fig. 7
TNP1813	pRS314-OSH5-3×GFPEnvy	Osh5-3×GFPEnvy	This study	TN523, TN524	gDNA of AN120	pRS314-P _{TEF1} -C-3×GFPEnvy-T _{ADH1}	Sup. Fig. 7
TNP1814	pRS314-OSH6-GFPEnvy	Osh6-GFPEnvy	This study	TN440, TN441	gDNA of AN120	pRS314-C-GFPEnvy-T _{ADH1}	Sup. Fig. 7
TNP1817	pRS314-OSH7-3×GFPEnvy	Osh7-3×GFPEnvy	This study	TN483, TN484	gDNA of AN120	pRS314-P _{TEF1} -C-3×GFPEnvy-T _{ADH1}	Sup. Fig. 7

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