

Table S1

Frequency of 1/2, 1/4, and 1/8 red sectored colonies observed in this work

Parent Strain	Genotype	Time	# Trials	Total Colonies Screened	Mean Sector Frequency	Standard Deviation	Standard Error of the Mean
YJL6974	<i>MCM7-2NLS pGAL YDRCTy2-1 YDRCTy1-1</i>	0 hr	2	2881	0.04%	0.05%	0.04%
YJL6974	<i>MCM7-2NLS pGAL YDRCTy2-1 YDRCTy1-1</i>	3 hr	2	7411	0.20%	0.01%	0.01%
YJL6558	<i>MCM7-2NLS pGAL-ΔntCDC6-cdk2A YDRCTy2-1 YDRCTy1-1</i>	0 hr	2	3731	0.05%	0.08%	0.05%
YJL6558	<i>MCM7-2NLS pGAL-ΔntCDC6-cdk2A YDRCTy2-1 YDRCTy1-1</i>	3 hr	2	3608	3.51%	0.20%	0.14%
YJL7445	<i>rad1Δ MCM7-2NLS pGAL-ΔntCDC6-cdk2A YDRCTy2-1 YDRCTy1-1</i>	0 hr	2	3648	0.08%	0.11%	0.08%
YJL7445	<i>rad1Δ MCM7-2NLS pGAL-ΔntCDC6-cdk2A YDRCTy2-1 YDRCTy1-1</i>	3 hr	2	5462	0.68%	0.13%	0.09%
YJL7451	<i>rad51Δ MCM7-2NLS pGAL-ΔntCDC6-cdk2A YDRCTy2-1 YDRCTy1-1</i>	0 hr	2	2888	0.30%	0.30%	0.21%
YJL7451	<i>rad51Δ MCM7-2NLS pGAL-ΔntCDC6-cdk2A YDRCTy2-1 YDRCTy1-1</i>	3 hr	2	5756	2.44%	0.62%	0.44%
YJL8100/ 8101	<i>MCM7-2NLS pGAL-ΔntCDC6-cdk2A YDRCTy2-1 YDRCTy1-1</i>	0 hr	5	8989	0.03%	0.04%	0.02%
YJL8100/ 8101	<i>MCM7-2NLS pGAL-ΔntCDC6-cdk2A YDRCTy2-1 YDRCTy1-1</i>	3 hr	5	7373	2.53%	0.48%	0.21%
YJL8104	<i>MCM7-2NLS pGAL-ΔntCDC6-cdk2A ydrcty2-1::RA3(v1) YDRCTy1-1</i>	0 hr	2	2976	0.08%	0.11%	0.08%

Table S1 (continued)

Frequency of 1/2, 1/4, and 1/8 red sectored colonies observed in this work

Parent Strain	Genotype	Time	# Trials	Total Colonies Screened	Mean Sector Frequency	Standard Deviation	Standard Error of the Mean
YJL8104	<i>MCM7-2NLS pGAL-ΔntCDC6-cdk2A ydrcty2-1::RA3(v1) YDRCTy1-1</i>	3 hr	2	6310	0.56%	0.18%	0.13%
YJL8108	<i>MCM7-2NLS pGAL-ΔntCDC6-cdk2A YDRCTy2-1 ydrcty1-1::UR(v1)</i>	0 hr	2	2834	0.05%	0.07%	0.05%
YJL8108	<i>MCM7-2NLS pGAL-ΔntCDC6-cdk2A YDRCTy2-1 ydrcty1-1::UR(v1)</i>	3 hr	2	7269	0.53%	0.24%	0.17%
YJL8112	<i>MCM7-2NLS pGAL-ΔntCDC6-cdk2A ydrcty2-1::RA3(v1) ydrcty1-1::UR(v1)</i>	0 hr	2	2961	0.14%	0.05%	0.04%
YJL8112	<i>MCM7-2NLS pGAL-ΔntCDC6-cdk2A ydrcty2-1::RA3(v1) ydrcty1-1::UR(v1)</i>	3 hr	2	2301	3.12%	0.15%	0.11%
YJL8355/ 8356	<i>MCM7-2NLS pGAL-ΔntCDC6-cdk2A ydrcty2-1::RA3(v2) YDRCTy1-1</i>	0 hr	3	6059	0.04%	0.03%	0.02%
YJL8355/ 8356	<i>MCM7-2NLS pGAL-ΔntCDC6-cdk2A ydrcty2-1::RA3(v2) YDRCTy1-1</i>	3 hr	3	12571	0.27%	0.09%	0.05%
YJL8359/ 8360	<i>MCM7-2NLS pGAL-ΔntCDC6-cdk2A YDRCTy2-1 ydrcty1-1::UR(v2)</i>	0 hr	3	5887	0.03%	0.05%	0.03%
YJL8359/ 8360	<i>MCM7-2NLS pGAL-ΔntCDC6-cdk2A YDRCTy2-1 ydrcty1-1::UR(v2)</i>	3 hr	3	13076	0.55%	0.18%	0.10%
YJL8363/ 8364	<i>MCM7-2NLS pGAL-ΔntCDC6-cdk2A ydrcty2-1::RA3(v2) ydrcty1-1::UR(v2)</i>	0 hr	4	7948	0.04%	0.03%	0.01%
YJL8363/ 8364	<i>MCM7-2NLS pGAL-ΔntCDC6-cdk2A ydrcty2-1::RA3(v2) ydrcty1-1::UR(v2)</i>	3 hr	4	6298	3.13%	0.38%	0.19%