

Yoon et al., <http://www.jcb.org/cgi/content/full/jcb.200912019/DC1>

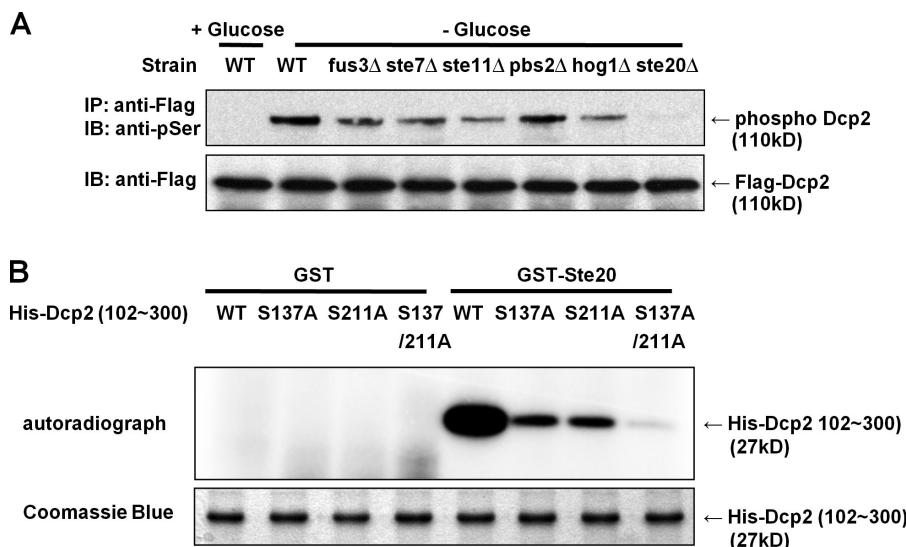


Figure S1. Dcp2 phosphorylation in vivo and in vitro. (A) Wild-type (WT), fus3Δ, ste7Δ, ste11Δ, pbs2Δ, hog1Δ, or ste20Δ strains in the BY4742 background were transformed with a plasmid expressing a Flag-tagged Dcp2. Cells were grown to reach OD of ~0.5–0.6 and resuspended in liquid media with or without glucose for 10 min. The resulting cell lysates were analyzed for the detection of Dcp2p phosphorylation as in Fig. 1. IP, immunoprecipitation; IB, immunoblot. (B) Recombinant wild-type or mutant Dcp2 was mixed with GST or GST-Ste20 purified from *E. coli* in the presence of radioactive ATP. The resulting reaction mixtures were separated in SDS-PAGE, and autoradiograph was acquired.

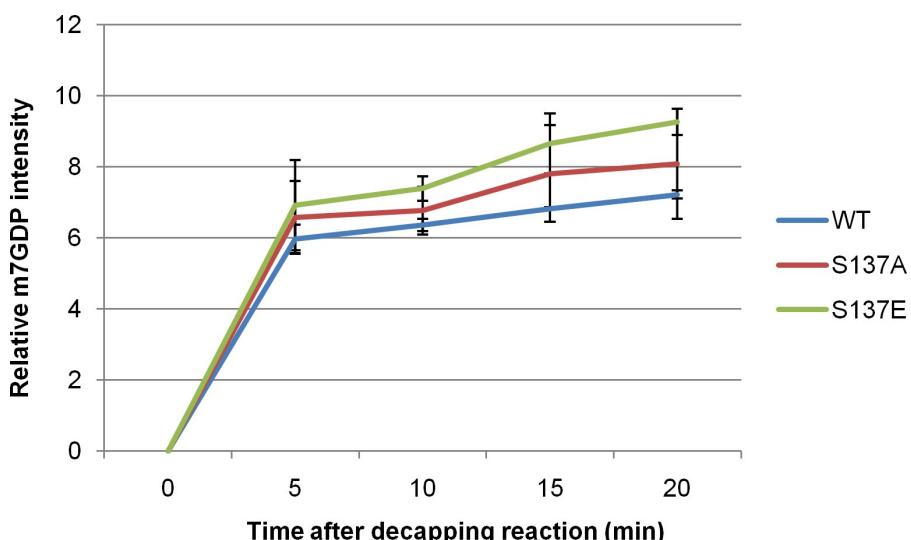


Figure S2. In vitro decapping assay. The assay was performed as described previously (She et al., 2006). Wild-type (WT), S137A, or S137E Dcp2 was purified from *E. coli*, and MFA2 mRNA fragment was capped/labeled in vitro. After reaction for indicated time, the mixture was run in thin layer chromatography, and the plate was exposed to detect autoradiograph. Error bars indicate SD.

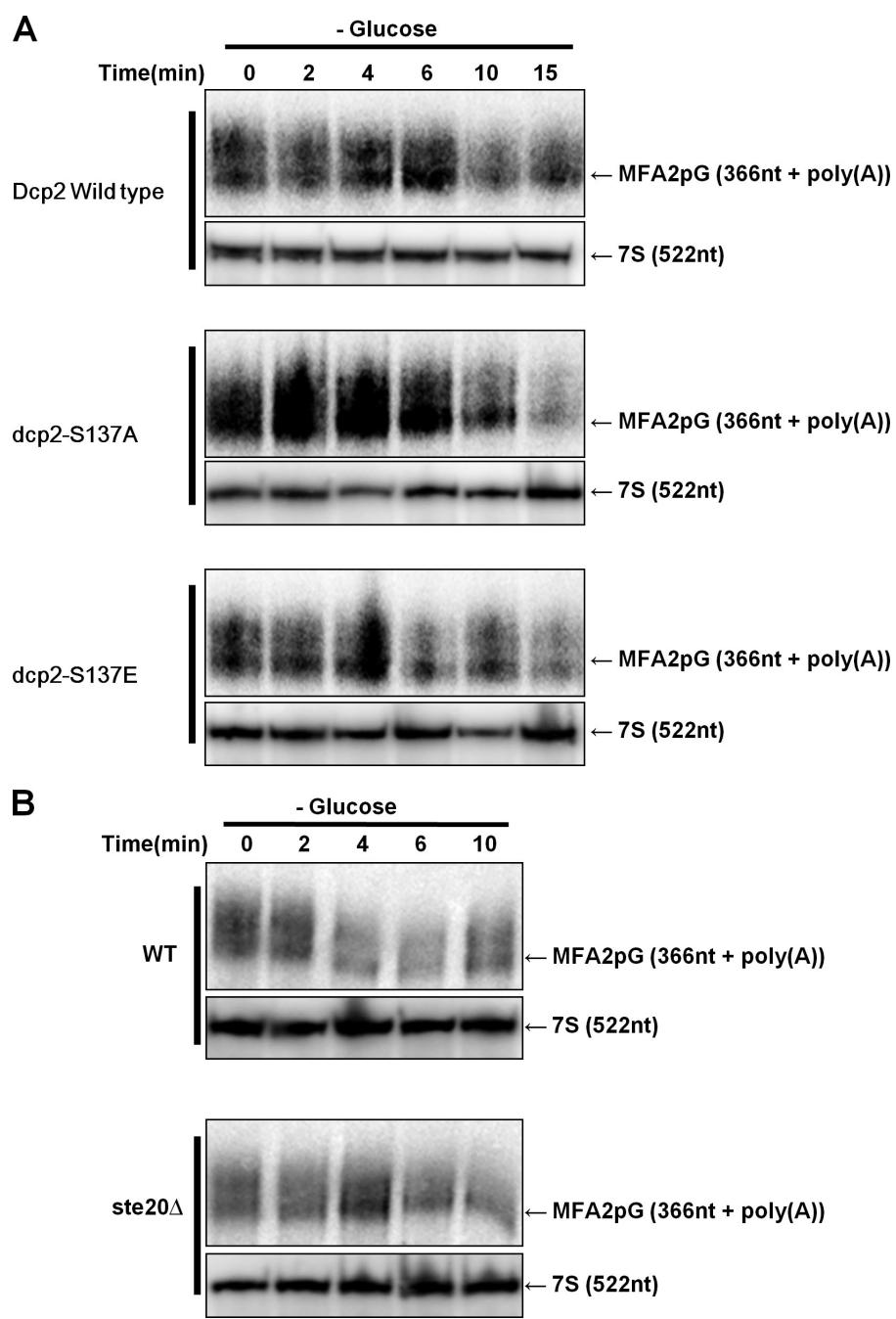


Figure S3. Tet-off-MFA2pG plasmid (pRP1192) was transformed in the indicated strains. The mRNA half-life was measured as described previously (Buchan et al., 2008). WT, wild type.

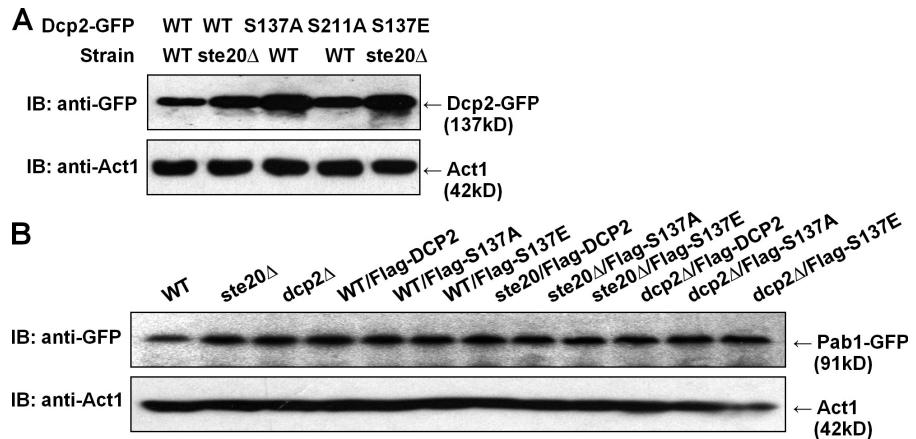


Figure S4. Yeast strains expressing Dcp2-GFP or Pab1-GFP were examined to analyze relative expression level with GFP antibody. Anti-actin antibody was used as loading control. WT, wild type; IB, immunoblot.

Table S1. Yeast strains

Name	Genotype	Plasmids	Reference
yRP2065	MAT α his3Δ1 leu2Δ0 met15Δ0 ura3Δ0	NA	Thermo Fisher Scientific
yRP2595	MAT α his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ste20::KANMX	NA	Thermo Fisher Scientific
yRP2543	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0	NA	Thermo Fisher Scientific
yRP2544	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0	Flag-Dcp2(WT)::LYS	This study
yRP2545	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0	Flag-Dcp2(S137A)::LYS	This study
yRP2546	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0	Flag-Dcp2(S211A)::LYS	This study
yRP2547	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0 ste20::KANMX	Flag-Dcp2(WT)::LYS	Thermo Fisher Scientific
yRP2548	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0 ste20::KANMX	Flag-Dcp2(WT)::LYS	This study
yRP2549	MAT α his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 His3MX6::PSTE20-GFP-STE20		Ahn et. al., 2005
yRP2550	MAT α his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 His3MX6::PSTE20-GFP-STE20-K649R		Ahn et. al., 2005
yRP2551	MAT α his3Δ1 leu2Δ0 met15Δ0 ura3Δ0	MFA2pG::LEU	This study
yRP2552	MAT α his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ste20Δ::KANMX	MFA2pG::LEU	This study
yRP1358	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1		Duncely and Parker, 1999
yRP2553	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1	Dcp2(WT)-GFP::URAMFA2pG::LEU	This study
yRP2554	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1	Dcp2(S137A)-GFP::URAMFA2pG::LEU	This study
yRP2555	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1	Dcp2(S137E)-GFP::URAMFA2pG::LEU	This study
yRP2556	MAT α his3Δ1 leu2Δ0 met15Δ0 ura3Δ0	Dcp2(WT)-GFP::URA	This study
yRP2557	MAT α his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ste20::KANMX	Dcp2(WT)-GFP::URA	This study
yRP2559	MAT α his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ste20::KANMX	Dcp2(S137E)-GFP::URA	This study
yRP2560	MAT α his3Δ1 leu2Δ0 met15Δ0 ura3Δ0	Dcp2(S137A)-GFP::URA	This study
yRP2561	MAT α his3Δ1 leu2Δ0 met15Δ0 ura3Δ0	Dcp2(S211A)-GFP::URA	This study
yRP2562	MAT α his3Δ1 leu2Δ0 met15Δ0 ura3Δ0	Dcp2(S137E)-GFP::URA	This study
yRP2563	MAT α his3Δ1 leu2Δ0 met15Δ0 ura3Δ0	Pab1-GFP/Edc3-mCherry::URA	This study
yRP2564	MAT α his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ste20::KANMX	Pab1-GFP/Edc3-mCherry::URA	This study
yRP2565	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1	Pab1-GFP/Edc3-mCherry::URA	This study
yRP2566	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0	Pab1-GFP/Edc3-mCherry::URA Flag-Dcp2(WT)::LYS	This study
yRP2567	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0	Pab1-GFP/EDC3-mCherry::URA Flag-DCP2(S137A)::LYS	This study
yRP2568	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0	Pab1-GFP/Edc3-mCherry::URA Flag-Dcp2(S137E)::LYS	This study
yRP2569	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0 ste20::KANMX	Pab1-GFP/Edc3-mCherry::URA Flag-Dcp2(WT)::LYS	This study
yRP2570	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0 ste20::KANMX	Pab1-GFP/Edc3-mCherry::URA Flag-Dcp2(S137E)::LYS	This study
yRP2571	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1	Pab1-GFP/Edc3-mCherry::URA Flag-Dcp2(WT)::LYS	This study
yRP2572	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1	Pab1-GFP/Edc3-mCherry::URA Flag-Dcp2(S137A)::LYS	This study
yRP2634	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0 fus3::KANMX	Flag-Dcp2(WT)::LYS	This study
yRP2635	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0 ste7::KANMX	Flag-Dcp2(WT)::LYS	This study
yRP2636	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0 ste11::KANMX	Flag-Dcp2(WT)::LYS	This study
yRP2637	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0 pbs2::KANMX	Flag-Dcp2(WT)::LYS	This study
yRP2638	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0 hog1::KANMX	Flag-Dcp2(WT)::LYS	This study
yRP2639	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0	Dhh1-GFP::Leu	This study
yRP2640	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0 ste20::KANMX	Dhh1-GFP::Leu	This study
yRP2641	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1	Dhh1-GFP::Leu	This study
yRP2642	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1	Dhh1-GFP::Leu Flag-Dcp2(WT)::LYS	This study
yRP2643	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1	Dhh1-GFP::Leu Flag-Dcp2(S137A)::LYS	This study
yRP2644	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1	Dhh1-GFP::Leu Flag-Dcp2(S137E)::LYS	This study
yRP2645	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0	Dhh1-GFP::Leu Flag-Dcp2(WT)::LYS	This study
yRP2646	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0	Dhh1-GFP::Leu Flag-Dcp2(S137A)::LYS	This study
yRP2647	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0	Dhh1-GFP::Leu Flag-Dcp2(S137E)::LYS	This study
yRP2648	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0 ste20::KANMX	Dhh1-GFP::Leu Flag-Dcp2(WT)::LYS	This study
yRP2649	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0 ste20::KANMX	Dhh1-GFP::Leu Flag-Dcp2(S137E)::LYS	This study
yRP2650	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0	Tet-off-MFA2pG::URA	This study

Table S1. Yeast strains (Continued)

Name	Genotype	Plasmids	Reference
yRP2651	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0 ste20::KANMX	Tet-off-MFA2pG::URA	This study
yRP2652	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1	Flag-Dcp2(WT)::LYS Tet-off-MFA2pG::URA	This study
yRP2653	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1	Flag-Dcp2(S137A)::LYS Tet-off-MFA2pG::URA	This study
yRP2654	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1	Flag-Dcp2(S137E)::LYS Tet-off-MFA2pG::URA	This study
yRP2670	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0	Pab1-GFP/Edc3-mCherry::URA Flag-Dcp2(S137E)::LYS	This study
yRP2671	MAT α his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0 ste20::KANMX	Pab1-GFP/Edc3-mCherry::URA Flag-Dcp2(S137A)::LYS	This study
yRP2672	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1	Pab1-GFP/Edc3-mCherry::URA Flag-Dcp2(S137E)::LYS	This study
yRP2675	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1	Empty vector with URA (pRP250)	This study
yRP2680	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1	Dcp2-GFP::URA	This study
yRP2681	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1	Dcp2(S137A)-GFP::URA	This study
yRP2682	MAT α his4Δ leu2Δ lys2Δ trp1Δ ura3Δ dcp2::TRP1	Dcp2(S137E)-GFP::URA	This study

Table S2. Plasmids used in this study

Name	Properties	Description	Reference
pRP983	FlagDcp2(Fl)	Plasmid to express full-length Dcp2, which is Flag tagged at the N terminus in yeast	Dunckley and Parker, 1999
pRP1275	Dcp2-GFP	Plasmid to express full-length Dcp2, which is GFP tagged at the C terminus in yeast	Coller and Parker, 2005
pRP1211	FlagDcp2(102–300)His	Plasmid to express amino acids 102–300 of Dcp2, which is Flag tagged at the N terminus and His tagged at the C terminus in <i>E. Coli</i>	She et al., 2006
pRP1676	FlagDcp2(Fl) (S137A)	S137A mutation in pRP983	This study
pRP1677	Dcp2-GFP (S137A)	S137A mutation in pRP1275	This study
pRP1678	FlagDcp2(102–300)His(S137A)	S137A mutation in pRP1211	This study
pRP1679	FlagDcp2(Fl) (S137E)	S137E mutation in pRP983	This study
pRP1680	Dcp2-GFP (S137E)	S137E mutation in pRP1275	This study
pRP1681	FlagDcp2(102–300)His(S137E)	S137E mutation in pRP1211	This study
pRP1682	FlagDcp2(Fl) (211A)	S211A mutation in pRP983	This study
pRP1683	Dcp2-GFP (211A)	S211A mutation in pRP1275	This study
pRP1684	FlagDcp2(102–300)His(211A)	S211A mutation in pRP1211	This study
pRP1685	FlagDcp2(102–300)His (S137/211A)	S137/211A mutations in pRP1211	This study
pRP488	pGAL-MFA2pG	Plasmid to express galactose-inducible MFA2pG	Muhlrad et al., 1994
pRP1658	Pab1-GFP/Edc3-mCherry	Plasmid to express full-length Pab1, which is GFP tagged at the C terminus, and Edc3, which is mCherry tagged at the C terminus	Buchan et al., 2008
pRP1151	Dhh1-GFP	Plasmid to express full-length Dhh11, which is GFP tagged at the C terminus	Coller et al., 2001
pRP1192	pTet-off-MFA2pG	Plasmid to shut off MFA2pG transcription by tetracycline	Brengues et al., 2005
pRP2135	pDEST15-Ste20	Plasmid to GST-Ste20 in <i>E. coli</i>	Ahn et al., 2005

Table S3. Oligonucleotides used in this study

Name	Properties	Description	Reference
oRP1416	5'-CATTCCAAGGGGAAGATAGCTAAAGATGAAAATGACATAG-3'	Mutate S137 to A137	This study
oRP1417	5'-CTATGTCATTTCATCTTAGCTATCTCCCCCTGGGAATG-3'	Mutate S137 to A137	This study
oRP1418	5'-CAAGGGGGAAAGATAGAAAAAGATGAAAATG-3'	Mutate S137 to E137	This study
oRP1419	5'-CATTTCATCTTTCTATCTCCCCCTG-3'	Mutate S137 to E137	This study
oRP1420	5'-GGTCGATTTAAGAAAATTGCTAAAACAATGTACAAATC-3'	Mutate S211 to A211	This study
oRP1421	5'-GATTGTACATTGTTAGCAATTCTAAATCGAAC-3'	Mutate S211 to A211	This study
oRP140	5'-ATATTGATTAGATCAGGAATTCC-3'	Probe for MFA2pG	Caponigro and Parker, 1995
oRP100	5'-GTCTAGCCGCGAGGAAGG-3'	Probe for 7S	Caponigro et al., 1993
oRP1479	5'-TTTCGAGGAAGTTTCAGGG-3'	Probe for Rpl26a	This study
oRP1480	5'-CGTTGCAGAAAAATGACTTCC-3'	Probe for Rpp1b	This study

Table S4. Quantification details

Strain	Plasmid	Cond.	Cells	SD	Average foci/ cell	SD	Average foci size	SD	Average foci intensity	SD
1 + foci %			μm^2							
Dcp2-GFP dataset										
BY4741	Dcp2-GFP WT	+Glu	3.333333	7.071068	0.222222	0.440959	0.011	0.009899	1,616.125	12.55115
BY4741	Dcp2-GFP WT	-Glu	74.24242	9.255436	2.285714	0.35873	0.073188	0.043007	2,874.165	878.1324
BY4741	Dcp2-GFP WT	High OD	74.60664	10.77584	1.827778	0.219961	0.095854	0.049747	3,152.241	847.1036
BY4741	Dcp2-GFP S137A	+Glu	0	0	0	0	0	0	0	0
BY4741	Dcp2-GFP S137A	-Glu	0	0	0	0	0	0	0	0
BY4741	Dcp2-GFP S137A	High OD	0	0	0	0	0	0	0	0
BY4741	Dcp2-GFP S211A	+Glu	1.666667	3.333333	0.25	0.5	0.04	0	2,516.556	0
BY4741	Dcp2-GFP S211A	-Glu	86.42857	9.091373	1.717949	0.072524	0.128721	0.055617	3,708.817	961.4444
BY4741	Dcp2-GFP S211A	High OD	89.375	6.187184	1.711765	0.158059	0.109655	0.063724	3,441.783	1,043.415
BY4741	Dcp2-GFP S137E	+Glu	5	11.18034	0.2	0.5	0.011	0.009899	1,573.875	19.62221
BY4741	Dcp2-GFP S137E	-Glu	83.1891	14.33094	1.842641	0.236436	0.127089	0.066813	3,540.196	980.6367
BY4741	Dcp2-GFP S137E	High OD	92.85714	7.142857	3.240482	0.392022	0.05722	0.047332	2,450.187	901.5983
ste20Δ	Dcp2-GFP WT	+Glu	5.37518	9.025611	0.333333	0.5	0.005667	0.002887	1,676	159.3769
ste20Δ	Dcp2-GFP WT	-Glu	18.91511	13.19549	1.388889	0.800463	0.030529	0.015816	2,088.087	451.9152
ste20Δ	Dcp2-GFP WT	High OD	17.99058	17.63975	0.714286	0.48795	0.034214	0.034805	1,870.908	932.8741
ste20Δ	Dcp2-GFP S137E	+Glu	3.645833	6.842002	0.25	0.46291	0.005667	0.002887	1,609.667	38.99145
ste20Δ	Dcp2-GFP S137E	-Glu	66.11111	22.99356	1.872222	0.773939	0.140268	0.153857	2,908.244	966.2142
ste20Δ	Dcp2-GFP S137E	High OD	75.03053	15.50443	2.255051	1.043596	0.087797	0.108033	2,503.849	721.2107
Pab1-GFP dataset										
BY4742	NA	+Glu	0	0	0	0	0	0	0	0
BY4742	NA	-Glu	78.67965	9.493014	3.647619	0.23952	0.179462	0.21138	3,149.708	1,084.023
dcp2Δ	NA	+Glu	0	0	0	0	0	0	0	0
dcp2Δ	NA	-Glu	1.515152	2.624319	0.333333	0.57735	0.025	0.043301	304.8237	527.9701
dcp2Δ	Flag-Dcp2 WT	+Glu	0	0	0	0	0	0	0	0
dcp2Δ	Flag-Dcp2 WT	-Glu	83.337	12.55027	1.717143	0.37422	0.248234	0.256477	912.5611	118.83
dcp2Δ	Flag-Dcp2 S137A	+Glu	0	0	0	0	0	0	0	0
dcp2Δ	Flag-Dcp2 S137A	-Glu	5.747126	9.954315	0.333333	0.57735	0.159571	0.144221	794.6051	569.5714
ste20Δ	Flag-Dcp2 S137A	+Glu	0	0	0	0	0	0	0	0
ste20Δ	Flag-Dcp2 S137A	-Glu	16.50864	9.127115	1.933333	1.611073	0.126409	0.119179	1,804.952	350.4564
ste20Δ	Flag-Dcp2 WT	+Glu	0	0	0	0	0	0	0	0
ste20Δ	Flag-Dcp2 WT	-Glu	13.13725	4.004035	1	0	0.120571	0.120845	991.252	230.9851
ste20Δ	Flag-Dcp2 S137E	+Glu	0	0	0	0	0	0	0	0
ste20Δ	Flag-Dcp2 S137E	-Glu	55.08564	11.73501	1.369444	0.258736	0.224629	0.19742	1,126.372	382.6451
Edc3-mCherry dataset										
BY4742	NA	+Glu	4.105263	4.374283	0.6	0.547723	0.0615	0.057599	2,439.264	1,087.186
BY4742	NA	-Glu	89.28571	14.72538	4.025801	1.092812	0.118558	0.179699	3,056.009	1,134.535
dcp2Δ	NA	+Glu	39.34524	2.544947	5.545833	1.51788	0.069363	0.061567	2,090.976	584.2353
dcp2Δ	NA	-Glu	94.07407	5.59247	2.291667	0.360844	0.15425	0.104315	3,121.627	1,005.303
dcp2Δ	Flag-Dcp2 WT	+Glu	4.125874	5.715473	0.466667	0.649786	0.04075	0.043414	1,453.41	1,320.025
dcp2Δ	Flag-Dcp2 WT	-Glu	63.2967	29.91146	1.2	0.3937	0.079061	0.063821	2,564.849	906.1692
dcp2Δ	Flag-Dcp2 S137A	+Glu	36.20915	3.426233	1.652778	0.283619	0.033977	0.028691	1,953.987	546.1781
dcp2Δ	Flag-Dcp2 S137A	-Glu	87.29246	8.580864	2.146197	0.256392	0.08954	0.066375	2,723.192	936.3739
ste20Δ	Flag-Dcp2 S137A	+Glu	37.50052	22.00387	1.336735	0.676574	0.05834	0.04697	2,353.633	871.9594
ste20Δ	Flag-Dcp2 S137A	-Glu	87.36842	18.90834	3.242647	1.110093	0.082845	0.065485	2,995.096	1,037.377
ste20Δ	Flag-Dcp2 WT	+Glu	5.039683	5.27121	0.6	0.547723	0.0546	0.066782	1,993.075	1,871.392
ste20Δ	Flag-Dcp2 WT	-Glu	92.45098	3.677451	2.623026	0.181401	0.07674	0.059872	2,370.854	781.2243
ste20Δ	Flag-Dcp2 S137E	+Glu	27.76386	5.927829	1.584921	0.280817	0.036971	0.032593	2,120.025	634.4777
ste20Δ	Flag-Dcp2 S137E	-Glu	93.98551	8.20986	3.098137	0.476679	0.087593	0.082724	2,651.273	883.3612

Cond, condition; av, average; NA, not applicable.

Table S5. Microarray results details (Continued)

Gene name	S137E vs. WT Dcp2				S137A vs. WT Dcp2				
	Array1	Array2	Average	SD	Array1	Array2	Average	SD	
YKL152C	GPM1 YKL152C 1329246	3.458	3.864	3.661	0.287	3.095	2.809	2.952	0.202
YGL008C	PMA1 YGL008C 1330437	3.364	3.434	3.399	0.050	2.445	2.282	2.363	0.116
YOR247W	SRL1 YOR247W 1332896	2.235	2.014	2.124	0.156	1.717	1.866	1.792	0.105
YJR009C	TDH2 YJR009C 1330504	4.170	3.364	3.767	0.570	4.141	3.160	3.651	0.694
YDR155C	CPR1 YDR155C 1330996	3.117	2.621	2.869	0.351	2.990	2.603	2.796	0.274
YDR077W	SED1 YDR077W 1330604	4.170	3.655	3.913	0.364	3.706	3.074	3.390	0.447
YGR192C	TDH3 YGR192C 1332544	6.543	4.790	5.667	1.240	5.063	4.317	4.690	0.528
YEL034W	HYP2 YEL034W 1334719	2.445	2.297	2.371	0.105	2.144	2.114	2.129	0.021
YOR387C	YOR387C 1332030	2.099	1.932	2.016	0.118	1.972	1.972	1.972	ND
YDR276C	PMP3 YDR276C 1333861	2.235	1.892	2.063	0.242	2.028	2.042	2.035	0.010
YLR110C	CCW12 YLR110C 1334399	6.498	4.19	5.348	1.626	4.228	3.972	4.100	0.181
YDR134C	YDR134C 1332557	2.028	2.014	2.021	0.010	2.250	2.000	2.125	0.177
YDR342C	HXT7 YDR342C 1334271	2.313	2.282	2.297	0.023	2.603	2.099	2.351	0.356
YML028W	TSA1 YML028W 1334498	2.462	2.395	2.429	0.048	2.549	2.479	2.514	0.049
YGL258W	VEL1 YGL258W 1334932	2.639	2.567	2.603	0.051	3.053	2.908	2.980	0.102
YDL229W	SSB1 YDL229W 1329938	1.853	2.042	1.948	0.134	1.000	1.206	1.103	0.146
YNL209W	SSB2 YNL209W 1333590	1.636	2.042	1.839	0.287	1.149	1.197	1.173	0.034
YPL131W	RPL5 YPL131W 1329602	2.395	1.932	2.163	0.327	1.206	1.094	1.150	0.079
YCR031C	RPS14A YCR031C 1330698	2.567	2.445	2.506	0.086	1.310	1.240	1.275	0.050
YJR145C	RPS4A YJR145C 1332194	2.071	1.741	1.906	0.233	1.141	1.181	1.161	0.028
YHR055C	CUP1-2 YHR055C 1334661	2.462	2.173	2.318	0.204	1.110	1.248	1.179	0.098
YHR053C	CUP1-1 YHR053C 1334756	2.445	2.189	2.317	0.182	1.079	1.042	1.061	0.026
YLR044C	PDC1 YLR044C 1330786	1.705	2.099	1.902	0.279	1.357	1.385	1.371	0.020
YDR012W	RPL4B YDR012W 1331010	2.189	2.412	2.300	0.158	1.729	1.424	1.577	0.216
YOR167C	RPS28A YOR167C 1330008	2.085	2.014	2.049	0.050	1.301	1.301	1.301	ND
YOL040C	RPS15 YOL040C 1331734	2.532	2.219	2.375	0.221	1.395	1.516	1.455	0.086
YDL130W	RPP1B YDL130W 1333149	2.297	1.945	2.121	0.249	1.376	1.444	1.410	0.048
YGL076C	RPL7A YGL076C 1331686	2.676	2.412	2.544	0.187	1.485	1.424	1.454	0.043
YLR340W	RPP0 YLR340W 1332087	3.182	2.694	2.938	0.345	1.636	1.495	1.565	0.100
YKL180W	RPL17A YKL180W 1334259	2.329	1.986	2.158	0.243	1.414	1.376	1.395	0.027
YPL249C-A	RPL36B YPL249C-A 1331498	2.770	2.346	2.558	0.300	1.753	1.591	1.672	0.115
YLR344W	RPL26A YLR344W 1334500	2.158	1.682	1.920	0.337	1.424	1.329	1.376	0.067
YBL072C	RPS8A YBL072C 1333011	3.204	2.497	2.850	0.500	1.753	1.986	1.870	0.165
YKR042W	UTH1 YKR042W 1334103	2.042	2.000	2.021	0.030	1.495	1.625	1.560	0.092
YMR307W	GAS1 YMR307W 1333178	1.866	2.173	2.020	0.217	1.526	1.741	1.634	0.152
YER011W	TIR1 YER011W 1331068	0.702	0.655	0.679	0.033	0.486	0.398	0.442	0.063
YHL035C	VMR1 YHL035C 1330470	0.722	0.737	0.730	0.011	0.432	0.463	0.448	0.022
YKL220C	FRE2 YKL220C 1331824	0.586	0.702	0.644	0.082	0.356	0.387	0.371	0.022
YOR381W	FRE3 YOR381W 1331554	0.779	0.763	0.771	0.011	0.374	0.356	0.365	0.013
YMR251W	GTO3 YMR251W 1331585	0.796	0.841	0.818	0.032	0.514	0.457	0.485	0.040
YOL158C	ENB1 YOL158C 1333371	0.768	0.807	0.788	0.027	0.476	0.295	0.386	0.128
YNR060W	FRE4 YNR060W 1329834	1.021	0.979	1.000	0.029	0.250	0.266	0.258	0.011
YLR214W	FRE1 YLR214W 1332657	0.993	1.000	0.997	0.005	0.490	0.518	0.504	0.020
YEL065W	SIT1 YEL065W 1332942	0.927	1.000	0.963	0.052	0.460	0.486	0.473	0.019
YDL037C	BSC1 YDL037C 1333866	1.042	1.094	1.068	0.037	0.384	0.426	0.405	0.030
YLR136C	TIS11 YLR136C 1332658	0.973	0.946	0.959	0.019	0.525	0.454	0.489	0.050
YHL040C	ARN1 YHL040C 1333960	0.973	0.933	0.953	0.028	0.398	0.369	0.383	0.021
YMR057C	YMR057C 1334448	0.920	0.946	0.933	0.018	0.480	0.590	0.535	0.078
YOR382W	FIT2 YOR382W 1332226	1.385	1.495	1.440	0.078	0.182	0.232	0.207	0.035
YOL014W	YOL014W 1333773	1.042	1.157	1.100	0.081	0.507	0.490	0.498	0.012
YOR383C	FIT3 YOR383C 1332303	2.412	2.346	2.379	0.047	0.369	0.420	0.395	0.037
YMR058W	FET3 YMR058W 1332706	1.464	1.395	1.429	0.049	0.473	0.493	0.483	0.014

WT, wild type.

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