

Table S1. Strains and plasmids used in this study.

Strains	Genotypes	Reference
DCY538	<i>MATa</i> ; <i>ura3-52</i> ; <i>his3Δ200</i> ; <i>leu2Δ1</i> ; <i>trp1Δ63</i> ; <i>lys2Δ202</i> ; <i>FZO1::HIS3</i> ; <i>leu2::GPD-mitoGFP-LEU2</i> ; <i>pRS416-FZO1</i>	(Griffin and Chan, 2006)
DCY538 <i>mdm30Δ</i>	<i>MATa</i> ; <i>ura3-52</i> ; <i>his3Δ200</i> ; <i>leu2Δ1</i> ; <i>trp1Δ63</i> ; <i>lys2Δ202</i> ; <i>FZO1::HIS3</i> ; <i>MDM30::kanMX6</i> ; <i>leu2::GPD-mitoGFP-LEU2</i> ; <i>pRS416-FZO1</i>	This study
JSY2294	<i>MATα</i> ; <i>ade2-1</i> ; <i>leu2-3</i> ; <i>his3-11,15</i> ; <i>trp1-1</i> ; <i>ura3-1</i> ; <i>can1-100</i> ; <i>FZO1::HIS3</i> ; <i>pRS416-FZO1</i>	J. Shaw
JSY2294 <i>mdm30Δ</i>	<i>MATα</i> ; <i>ade2-1</i> ; <i>leu2-3</i> ; <i>his3-11,15</i> ; <i>trp1-1</i> ; <i>ura3-1</i> ; <i>can1-100</i> ; <i>FZO1::HIS3</i> ; <i>MDM30::kanMX6</i> ; <i>pRS416-FZO1</i>	This study
JSY2293	<i>MATa</i> ; <i>ade2-1</i> ; <i>leu2-3</i> ; <i>his3-11,15</i> ; <i>trp1-1</i> ; <i>ura3-1</i> ; <i>can1-100</i> ; <i>FZO1::HIS3</i> ; <i>pRS416-FZO1</i>	J. Shaw
JSY2293 <i>mdm30Δ</i>	<i>MATa</i> ; <i>ade2-1</i> ; <i>leu2-3</i> ; <i>his3-11,15</i> ; <i>trp1-1</i> ; <i>ura3-1</i> ; <i>can1-100</i> ; <i>FZO1::HIS3</i> ; <i>MDM30::kanMX6</i> ; <i>pRS416-FZO1</i>	This study
Plasmids		Reference
pUb70 (empty vector)	2 micron, <i>CUP1</i> promoter, <i>LYS2</i> , Amp	D. Finley
pRS-414(empty vector)	CEN, <i>TRP1</i> , Amp	(Mumberg et al., 1995)
pFZO1	CEN, <i>FZO1</i> promoter- <i>FZO1</i> , <i>TRP1</i> , Amp	This study
pFZO1-S201N	CEN, <i>FZO1</i> promoter- <i>FZO1 S201N</i> , <i>TRP1</i> , Amp	This study
pUb-M-FZO1	CEN, <i>FZO1</i> promoter- <i>Ub-M-FZO1</i> , <i>TRP1</i> , Amp	This study
pUb-Y-FZO1	CEN, <i>FZO1</i> promoter- <i>Ub-Y-FZO1</i> , <i>TRP1</i> , Amp	This study
pUb-R-FZO1	CEN, <i>FZO1</i> promoter- <i>Ub-R-FZO1</i> , <i>TRP1</i> , Amp	This study
pUb-Y-FZO1-S201N	CEN, <i>FZO1</i> promoter- <i>Ub-Y-FZO1 S201N</i> , <i>TRP1</i> , Amp	This study
pUb-R-FZO1-S201N	CEN, <i>FZO1</i> promoter- <i>Ub-R-FZO1 S201N</i> , <i>TRP1</i> , Amp	This study
pFZO1-HA	CEN, <i>FZO1</i> promoter- <i>FZO1-3HA</i> , <i>TRP1</i> , Amp	This study
pFZO1- K200A-HA	CEN, <i>FZO1</i> promoter- <i>FZO1-3HA K200A</i> , <i>TRP1</i> , Amp	This study
pFZO1- S201N-HA	CEN, <i>FZO1</i> promoter- <i>FZO1-3HA S201N</i> , <i>TRP1</i> , Amp	This study
pFZO1- T221S-HA	CEN, <i>FZO1</i> promoter- <i>FZO1-3HA T221S</i> , <i>TRP1</i> , Amp	This study
pFZO1- L518P-HA	CEN, <i>FZO1</i> promoter- <i>FZO1-3HA L518P</i> , <i>TRP1</i> , Amp	This study
pFZO1- L819P-HA	CEN, <i>FZO1</i> promoter- <i>FZO1-3HA L819P</i> , <i>TRP1</i> , Amp	This study
pFZO1 - S201N- L518P-HA	CEN, <i>FZO1</i> promoter- <i>FZO1-3HA S201N, L518P</i> , <i>TRP1</i> , Amp	This study
pUb-M-FZO1-HA	CEN, <i>FZO1</i> promoter- <i>Ub-M-FZO1-3HA</i> , <i>TRP1</i> , Amp	This study
pUb-Y-FZO1-HA	CEN, <i>FZO1</i> promoter- <i>Ub-Y-FZO1-3HA</i> , <i>TRP1</i> , Amp	This study
pUb-R-FZO1-HA	CEN, <i>FZO1</i> promoter- <i>Ub-R-FZO1-3HA</i> , <i>TRP1</i> , Amp	This study
pHA-FZO1	CEN, <i>FZO1</i> promoter- <i>6HA-FZO1</i> , <i>TRP1</i> , Amp	(Griffin and Chan, 2006)
pHA-HR1/HR2	CEN, <i>FZO1</i> promoter- <i>6HA- HR1/HR2</i> , <i>LYS2</i> , Amp	(Griffin and Chan, 2006)
pMYC-FZO1	CEN, <i>FZO1</i> promoter- <i>6MYC-FZO1</i> , <i>TRP1</i> , Amp	(Griffin and Chan, 2006)
pMYC-HRN/GTPase	CEN, <i>FZO1</i> promoter- <i>6MYC-HRN/GTPase</i> , <i>TRP1</i> , Amp	(Griffin and Chan, 2006)
p6MYC-HRN/GTPase S201N	CEN, <i>FZO1</i> promoter- <i>6MYC-HRN/GTPase S201N</i> , <i>TRP1</i> , Amp	This study
pTEF-MDM30-MYC	2 micron, <i>TEF</i> promoter- <i>MDM30-MYC</i> , <i>URA3</i> , Amp	This study
pTEF-fbox-MYC	2 micron, <i>TEF</i> promoter- <i>mdm30-MYC fbox</i> , <i>URA3</i> , Amp	This study
pTEF-fbox-HA	2 micron, <i>TEF</i> promoter- <i>mdm30-HA fbox</i> , <i>URA3</i> , Amp	(Cohen et al., 2008)
pTEF-mito-DsRed T4	2 micron, <i>TEF</i> promoter- <i>Su9-DsRed T4</i> , <i>URA3</i> , Amp	This study
pMito-Red	2 micron, <i>TEF</i> promoter- <i>CoxIV-DsRed</i> , <i>LEU2</i> , Amp	J. Shaw