# Supplementary file 2: Lists of strains and plasmids in this study

#### Yeast strain list

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| --- | --- | --- |
| Name | Genotype | Source or reference |
| W303-1A | *MATa leu2-3/112 ura3-1 trp161 his3-11/15 ade2-1 can1-100 GAL SUC2 mal0* | EUROSARF (Jansen et al. 2005) |
| JAU01 | W303-1A *cdc28-as1* | (Bishop et al. 2000) |
| W303-1A ADE2+ | W303-1A *ADE2* | This study |
| YCT2001 | W303-1A ADE2+ *WHI5-tdTomato* | This study |
| YCT2002 | W303-1A ADE2+ *WHI5-tdTomato cln3::NAT-MX6 bck2::KAN-MX6 STE5pr-LAC12-GPDpr-LacI-GlacSpr-CLN3::HIS3* | This study |
| YCT2003 | W303-1A ADE2+ *WHI5-tdTomato cln3::NAT-MX6 bck2::KAN-MX6 STE5pr-LAC12-GPDpr-LacI-GlacSpr-GFP-GFP-CLN3R108A::HIS3* | This study |
| YCT2004 | W303-1A ADE2+ *WHI5-tdTomato cln3::NAT-MX6 bck2::KAN-MX6 STE5pr-LAC12-GPDpr-LacI-GlacSpr-GFP-GFP-CLN3D166A::HIS3* | This study |
| YCT2005 | W303-1A ADE2+ *WHI5-tdTomato cln3::NAT-MX6 bck2::KAN-MX6 STE5pr-LAC12-GPDpr-LacI-GlacSpr-Venus-Venus-Venus-CLN3R108A::HIS3 ADH1pr-HTB2-CFP::URA3* | This study |
| YCT2006 | W303-1A ADE2+ *WHI5-tdTomato ADH1pr-MCM-GFP::URA3* | This study |
| YCT2007 | W303-1A ADE2+ *WHI5-tdTomato cln3::NAT-MX6 bck2::KAN-MX6 STE5pr-LAC12-GPDpr-LacI-GlacSpr-GFP-GFP-CLN3R108A::HIS3 WHI5pr-WHI5-tdTomato::URA3* | This study |
| YCT2008 | W303-1A ADE2+ *cln3::NAT-MX6 bck2::KAN-MX6* *whi5::LEU2 STE5pr-LAC12-GPDpr-LacI-GlacSpr-GFP-GFP-CLN3R108A::HIS3* *ADH1pr-MCM-mCherry::URA3* | This study |
| YCT2009 | W303-1A ADE2+ *WHI5-tdTomato cln3::NAT-MX6 bck2::KAN-MX6 STE5pr-LAC12-GPDpr-LacI-ADHSpr-GFP-GFP-CLN3R108A::HIS3 GPDpr-CDC14::URA3* | This study |
| YCT2010 | W303-1A ADE2+ *cln3::NAT-MX6 bck2::KAN-MX6* *STE5pr-LAC12-GPDpr-LacI-GlacSpr-GFP-GFP-CLN3R108A::HIS3* *ADH1pr-MCM-mCherry::URA3* | This study |
| YCT2011 | W303-1A ADE2+ *cln3::NAT-MX6* | This study |
| YCT2013 | W303-1A ADE2+ *WHI5-tdTomato cln3::NAT-MX6 bck2::KAN-MX6 STE5pr-LAC12-GPDpr-LacI-GlacSpr-GFP-GFP-CLN3R108A::HIS3 cln1::LEU2* | This study |
| YCT2014 | W303-1A ADE2+ *WHI5-tdTomato cln3::NAT-MX6 bck2::KAN-MX6 STE5pr-LAC12-GPDpr-LacI-GlacSpr-GFP-GFP-CLN3R108A::HIS3 cln2::LEU2* | This study |
| YCT2015 | W303-1A ADE2+ *WHI5-tdTomato cln3::NAT-MX6 STE5pr-LAC12-GPDpr-LacI-GlacSpr-GFP-GFP-CLN3R108A::HIS3* | This study |
| YCT2016 | JAU01 *WHI5-tdTomato* | This study |

***B. Plasmid list***

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| --- | --- | --- |
| Name | Description | Source or reference |
| pFA6-KAN-MX6 |  | (Longtine et al. 1998) |
| pFA6-NAT-MX6 |  | (Goldstein and McCusker 1999) |
| pRS304 |  | (Sikorski and Hieter 1989) |
| pRS305 |  | (Sikorski and Hieter 1989) |
| pRS306 |  | (Sikorski and Hieter 1989) |
| pGREG506 |  | EUROSARF (<http://web.uni-frankfurt.de/fb15/mikro/euroscarf/>) |
| pNH603 |  | Wendell A. Lim (unpublished) |
| pNT8 |  | Jonathan Weissman (unpublished) |
| pNT10 |  | Jonathan Weissman (unpublished) |
| pVenus-N1-NPY |  | (Kubota, Mikoshiba, and Miyawaki 2002) |
| pKR1B-LAC4-1 |  | (Sreekrishna and Dickson 1985) |
| pRS424-GPD |  | (Mumberg, Müller, and Funk 1995) |
| pRS304-tdToamto |  | Wendell A. Lim (unpublished) |
| pML103 |  | (Liku et al. 2005) |
| [BBa\_E0020](http://partsregistry.org/wiki/index.php?title=Part:BBa_E0020) |  | iGEM part |
| pCT2001 | pNI8-WHI5-tdTomato-CaURA3 | This study |
| pCT2002 | pNH603-STE5pr-LAC12-GPDpr-LacI-GlacSpr -CLN3 | This study |
| pCT2003 | pNH603-STE5pr-LAC12-GPDpr-LacI-GlacSpr –GFP-GFP-CLN3R108A | This study |
| pCT2004 | pNH603-STE5pr-LAC12-GPDpr-LacI-GlacSpr –GFP-GFP-CLN3D166A | This study |
| pCT2005 | pNH603-STE5pr-LAC12-GPDpr-LacI-GlacSpr –Venus-Venus-Venus-CLN3R108A | This study |
| pCT2006 | pRS304-ADH1pr-HTB2-CFP | This study |
| pCT2007 | pRS306-ADH1pr-MCM-mCherry | This study |
| pCT2008 | pRS306-ADH1pr-MCM-GFP | This study |
| pCT2009 | pRS306-WHI5pr-WHI5-tdTomato | This study |
| pCT2010 | pRS306-GPDpr-CDC14 | This study |

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