***Saccharomyces cerevisiae* strains used in this study**

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| **Yeast strain** | **Genotype** | **Experiment** |
| LGY 620 | *MATa, ura3-52, leu2-3,112, his3-Δ200, lys2-801, ade2-101, cyh2r, cin8::HIS3, kip1::HIS3, (pMA1208: CIN8, CYH2, LEU2, CEN)* | Cell viability and doubling time |
| LGY 727 | *MATa, ura3-52, leu2-3,112, his3-Δ200, lys2-801, ade2-101. cin8::LEU2* | Doubling time in the presence of Kip1 |
| LGY 1694 | *MATα, ura3-52, leu2-3,112, pep4-3, prb1-1122, reg1-501, gal1* | Overexpression of Cin8 NL variants for motility assays |
| LGY 3989 | *MATa, ura3-52, leu2-3,112, his3-Δ200, lys2-801, ade2-101. cin8::LEU2, SPC42::Spc42-tdTomato, kanMX* | Live cell imaging |