

Lis1 relieves cytoplasmic dynein-1 autoinhibition by acting as a molecular wedge

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Supplementary Table 1. *S. cerevisiae* strains used in this study.

DHA and *SNAP* refer to the HaloTag (Promega) and SNAP-tag (NEB), respectively. TEV indicates a Tev protease cleavage site. P_{GAL1} denotes the galactose promoter, which was used for inducing strong expression of Lis1 and dynein motor domain constructs. Amino acid spacers are indicated by g (glycine) and gs (glycine-serine).

Strain	Genotype	Source
RPY1	W303a (<i>MATa</i> ; <i>his3-11,15</i> ; <i>ura3-1</i> ; <i>leu2-3,112</i> ; <i>ade2-1</i> ; <i>trp1-1</i>)	(Eshel et al., 1993)
RPY816	W303a; <i>pep4Δ::HIS5</i> ; <i>prb1Δ</i> ; <i>GAL1-8HIS-ZZ-Tev-PAC1</i> ; <i>dyn1Δ::CgLEU2</i> ; <i>ndl1Δ::HPH</i>	(Huang et al., 2012)
RPY1654	W303a; <i>pep4Δ::HIS5</i> ; <i>prb1Δ</i> ; <i>PAC11-13xMYC-TRP1</i> ; <i>PGAL1-ZZTev-DYN1(331kDa) E2488Q</i> ; <i>pac1Δ::HygroR</i>	(DeSantis et al., 2017)
RPY1385	<i>MATa lys2-801 leu2-Δ1 his3-Δ200 trp1-Δ63 DYN1-3XGFP::TRP1, ura3-52::CFP-TUB1::URA3, SPC110-tdTomato::SpHIS5, ura3Δ::KanMX</i>	(DeSantis et al., 2017)
RPY1717	<i>MATa lys2-801; leu2- Δ 1; his3-Δ200; trp1-Δ63; DYN1-3XGFP::TRP1; ura3-52::CFP-TUB1::URA3; SPC110-tdTomato::SpHIS5; ura3Δ::KanMX; pac1Δ::KIURA3</i>	(DeSantis et al., 2017)
RPY1811	<i>MATa lys2-801; leu2- Δ 1; his3-Δ200; trp1-Δ63; ura3-52::CFP-TUB1::URA3; SPC110-tdTomato::SpHIS5; ura3Δ::KanMX; dyn1Δ::KIURA3</i>	(Gillies et al., 2022)
RPY1795	<i>MATa lys2-801; leu2-Δ1; his3-Δ200; trp1-Δ63; DYN1-3XGFP::TRP1; ura3-52::CFP-TUB1::URA3; SPC110-tdTomato::SpHIS5; ura3Δ::KanMX; Flag-PAC1</i>	(Gillies et al., 2022)
RPY1814	<i>MATa lys2-801; leu2-Δ1; his3-Δ200; trp1-Δ63; DYN1-3XGFP::TRP1; ura3-52::CFP-TUB1::URA3; SPC110-tdTomato::SpHIS5; ura3Δ::KanMX; Flag-pac1(W288D)</i>	This work
RPY1831	<i>MATa lys2-801; leu2-Δ1; his3-Δ200; trp1-Δ63; DYN1-3XGFP::TRP1; ura3-52::CFP-TUB1::URA3; SPC110-tdTomato::SpHIS5; ura3Δ::KanMX; Flag-pac1(N213A)</i>	This work
RPY1834	<i>MATa lys2-801; leu2-Δ1; his3-Δ200; trp1-Δ63; DYN1-3XGFP::TRP1; ura3-52::CFP-TUB1::URA3; SPC110-tdTomato::SpHIS5; ura3Δ::KanMX; Flag-pac1(N213A-W288D)</i>	This work
RPY1854	<i>MATa lys2-801; leu2- Δ 1; his3-Δ200; trp1-Δ63; DYN1(D2868K)-3XGFP::TRP1; ura3-52::CFP-TUB1::URA3; SPC110-tdTomato::SpHIS5; ura3Δ::KanMX; pac1Δ::KIURA3</i>	This work
RPY1861	<i>MATa lys2-801; leu2-Δ1; his3-Δ200; trp1-Δ63; DYN1 (D2868K)-3XGFP::TRP1; ura3-52::CFP-TUB1::URA3; SPC110-tdTomato::SpHIS5; ura3Δ::KanMX; Flag-pac1(N213A)</i>	This work
RPY1862	<i>MATa lys2-801; leu2-Δ1; his3-Δ200; trp1-Δ63; DYN1(D2868K)-3XGFP::TRP1; ura3-52::CFP-TUB1::URA3; SPC110-tdTomato::SpHIS5; ura3Δ::KanMX; Flag-pac1(W288D)</i>	This work
RPY1863	<i>MATa lys2-801; leu2-Δ1; his3-Δ200; trp1-Δ63; DYN1(D2868K)-3XGFP::TRP1; ura3-52::CFP-TUB1::URA3; SPC110-tdTomato::SpHIS5; ura3Δ::KanMX; Flag-pac1(N213A-W288D)</i>	This work

RPY1841	MATa <i>lys2-801 leu2-Δ1 his3-Δ200 trp1-Δ63 DYN1(F3446A-E3867A)-3XGFP::TRP1, ura3-52::CFP-TUB1::URA3, SPC110-tdTomato::SpHIS5, ura3Δ::KanMX</i>	This work
RPY1858	MATa <i>lys2-801 leu2-Δ1 his3-Δ200 trp1-Δ63 DYN1(D2868K-F3446A-E3867A)-3XGFP::TRP1, ura3-52::CFP-TUB1::URA3, SPC110-tdTomato::SpHIS5, ura3Δ::KanMX</i>	This work