

Supplemental Table S2. Yeast strains used in this study.

Name	Genotype	Description
46α ¹	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2</i>	Used to generate Hsh155 shuffle strain (kind gift of Dave Brow).
yAAH0465 ²	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS416-HSH155</i>	Derived from 46α. Copper sensitive strain used to generate Hsh155 mutant strains for <i>ACT1-CUP1</i> by plasmid shuffle. Hsh155 was deleted using a KanMX cassette.
yAAH1568 ²	<i>MAT a prc1 prb1 pep4 leu2 trp1 ura3 PRP5V5 hsh155::kanMX pRS416-HSH155^{wt}</i>	Derived from ySSC026 (kind gift of Soo-Chen Cheng). Protease deficient strain with Prp5 V5-tagged at the C-terminus. The genomic copy of Hsh155 was deleted using a KanMX cassette and Hsh155 is expressed from pRS416. This strain was used to generate Hsh155 mutant strains by plasmid shuffle.
yAAH0648 ²	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{WT}</i>	Copper sensitive strain expressing Hsh155 ^{WT} . Used for <i>ACT1-CUP1</i> assays after transformation with reporter plasmids.
yTJC0472	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{N4A}</i>	Copper sensitive strain expressing Hsh155 T178A R181A R182A R186A. Transformed with <i>ACT1-CUP1</i> reporters.
yTJC0298	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{K740A}</i>	Copper sensitive strain expressing Hsh155 K740A. Transformed with <i>ACT1-CUP1</i> reporters.
yTJC0300	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{N747A}</i>	Copper sensitive strain expressing Hsh155 N747A. Transformed with <i>ACT1-CUP1</i> reporters.
yTJC0301	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{V783A}</i>	Copper sensitive strain expressing Hsh155 V783A. Transformed with <i>ACT1-CUP1</i> reporters.
yTJC0483	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{K740R}</i>	Copper sensitive strain expressing Hsh155 K740R. Transformed with <i>ACT1-CUP1</i> reporters.
yTJC0485	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{N747Q}</i>	Copper sensitive strain expressing Hsh155 N747Q. Transformed with <i>ACT1-CUP1</i> reporters.
yTJC0486	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{V783L}</i>	Copper sensitive strain expressing Hsh155 V783L. Transformed with <i>ACT1-CUP1</i> reporters.
yTJC0487	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{K818R}</i>	Copper sensitive strain expressing Hsh155 K818R. Transformed with <i>ACT1-CUP1</i> reporters.
yTJC0842	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{WT,3xFLAG}</i>	Copper sensitive strain expressing Hsh155 WT with C-terminal 3xFLAG tag. Transformed with <i>ACT1-CUP1</i> reporters.
yTJC0843	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{Hs1-12,3xFLAG}</i>	Copper sensitive strain expressing Hsh155 Hs 1-12 with C-terminal 3xFLAG tag. Transformed with <i>ACT1-CUP1</i> reporters.
yTJC0844	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{Hs1-12 K666E,3xFLAG}</i>	Copper sensitive strain expressing Hsh155 Hs 1-12 K700E with C-terminal 3xFLAG tag. Transformed with <i>ACT1-CUP1</i> reporters.
yTJC0845	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{Hs1-12 K700E,3xFLAG}</i>	Copper sensitive strain expressing Hsh155 Hs 1-12 K700E with C-terminal 3xFLAG tag. Transformed with <i>ACT1-CUP1</i> reporters.
yTJC0864	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{Hs5-16,3xFLAG}</i>	Copper sensitive strain expressing Hsh155 Hs 5-16 with C-terminal 3xFLAG tag. Transformed with <i>ACT1-CUP1</i> reporters.
yTJC0865	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{Hs5-16 R1074H,3xFLAG}</i>	Copper sensitive strain expressing Hsh155 Hs 5-16 R1074H with C-terminal 3xFLAG tag. Transformed with <i>ACT1-CUP1</i> reporters.
yTJC0866	<i>MAT a prc1 prb1 pep4 leu2 trp1 ura3 PRP5V5 hsh155::kanMX pRS414-HSH155^{wt,3xFLAG}</i>	Derived from yAAH1568. Used to generate <i>in vitro</i> splicing extracts containing Hsh155 WT with 3 copies of the FLAG tag.
yTJC0867	<i>MAT a prc1 prb1 pep4 leu2 trp1 ura3 PRP5V5 hsh155::kanMX pRS414-HSH155^{Hs1-12,3xFLAG}</i>	Derived from yAAH1568. Used to generate <i>in vitro</i> splicing extracts containing Hsh155 Hs 1-12 with 3 copies of the FLAG tag.
yTJC0868	<i>MAT a prc1 prb1 pep4 leu2 trp1 ura3 PRP5V5 hsh155::kanMX pRS414-HSH155^{Hs5-16,3xFLAG}</i>	Derived from yAAH1568. Used to generate <i>in vitro</i> splicing extracts containing Hsh155 Hs 5-16 with 3 copies of the FLAG tag.
yTJC0869	<i>MAT a prc1 prb1 pep4 leu2 trp1 ura3 PRP5V5 hsh155::kanMX pRS414-HSH155^{Hs5-16 R1074H,3xFLAG}</i>	Derived from yAAH1568. Used to generate <i>in vitro</i> splicing extracts containing Hsh155 Hs 5-16 R1074H with 3 copies of the FLAG tag.
yAAH1950	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 pRS414-HSH155^{WT,3xFLAG}</i>	Merodiploid strain expressing Hsh155 WT with C-terminal 3 copies of the FLAG tag.
yAAH1951	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 pRS414-HSH155^{N4A,3xFLAG}</i>	Merodiploid strain expressing Hsh155 N4A (T178A, R181A, R182A, R186A) with C-terminal 3 copies of the FLAG tag.
yAAH1952	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 pRS414-HSH155^{R775A,3xFLAG}</i>	Merodiploid strain expressing Hsh155 R775A with 3 copies of the FLAG tag.
yAAH1953	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 pRS414-HSH155^{R778A,3xFLAG}</i>	Merodiploid strain expressing Hsh155 R778A with 3 copies of the FLAG tag.
yAAH1954	<i>MAT a cup1Δ ura3 his3 trp1 lys2 ade2 leu2 pRS414-HSH155^{K818A,3xFLAG}</i>	Merodiploid strain expressing Hsh155 K818A with 3 copies of the FLAG tag.

yAAH1955	<i>MAT α cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{N4A} prp2::hphMX pRS415-PRP2^{WT}</i>	Strain expressing Hsh155 N4A (T178A, R181A, R182A, R186A) and Prp2 WT from plasmids
yAAH1956	<i>MAT α cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{N4A} prp2::hphMX pRS415-PRP2^{Q548N}</i>	Strain expressing Hsh155 N4A (T178A, R181A, R182A, R186A) and Prp2 Q548N from plasmids
yAAH1957	<i>MAT α cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155²⁷⁵⁻⁹⁷² prp2::hphMX pRS415-PRP2^{WT}</i>	Strain expressing Hsh155 275-972 and Prp2 WT from plasmids
yAAH1958	<i>MAT α cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155²⁷⁵⁻⁹⁷² prp2::hphMX pRS415-PRP2^{Q548N}</i>	Strain expressing Hsh155 275-972 and Prp2 Q548N from plasmids
yAAH1959	<i>MAT α cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{V783A} prp2::hphMX pRS415-PRP2^{WT}</i>	Strain expressing Hsh155 V783A and Prp2 WT from plasmids
yAAH1960	<i>MAT α cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{V783A} prp2::hphMX pRS415-PRP2^{Q548N}</i>	Strain expressing Hsh155 V783A and Prp2 Q548N from plasmids
yAAH1961	<i>MAT α cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{V783L} prp2::hphMX pRS415-PRP2^{WT}</i>	Strain expressing Hsh155 V783L and Prp2 WT from plasmids
yAAH1962	<i>MAT α cup1Δ ura3 his3 trp1 lys2 ade2 leu2 hsh155::kanMX pRS414-HSH155^{V783L} prp2::hphMX pRS415-PRP2^{Q548N}</i>	Strain expressing Hsh155 V783L and Prp2 Q548N from plasmids

¹Originally described in Lesser and Guthrie 1993.

²Originally described in Carrocci et al. 2017.