Supplemental Data

Domain requirements and genetic interactions of the Mud1 subunit of the *Saccharomyces cerevisiae* U1 snRNP

Radhika Agarwal, Beate Schwer, and Stewart Shuman

Supplemental Figure S1 and S2

Supplemental Table S1
Figure S1. **mud1Δ is synthetically lethal with msl1Δ**. Exponentially growing wild-type MSL1 and msl1Δ cells were tested for growth in parallel with mud1Δ msl1Δ cells recovered after FOA selection and transfer to liquid medium. The cultures were adjusted to $A_{600}$ of 0.1 and aliquots (3 µl) of serial 10-fold dilutions were spotted on YPD agar plates. The plates were photographed after incubation at the indicated temperatures.
Figure S2. **Complementation of mud1Δ nam8Δ.** Wild-type and truncated MUD1 alleles encoding the indicated Mud1 polypeptides were tested by plasmid shuffle for mud1Δ nam8Δ complementation. The viable FOA-resistant strains expressing the indicated Mud1 proteins were spot-tested for growth on YPD agar at the temperatures specified.
Table S1: Yeast strains used in this study

| Strain   | Genotype                                                                 | Reference/Source      |
|----------|--------------------------------------------------------------------------|-----------------------|
| yRJX7    | \( \text{MATa his3}^\Delta1 \text{ leu}^2 \Delta0 \text{ lys}^2 \Delta0 \text{ ura}3 \Delta0 \text{ mud}2::\text{natMX} \text{ mud}1::\text{kanMX} \text{ p360-MUD1} \) [\text{CEN URA3 MUD1}] | Chang et al. 2012     |
| yRJBB42  | \( \text{MATa his3}^\Delta1 \text{ leu}^2 \Delta0 \text{ lys}^2 \Delta0 \text{ ura}3 \Delta0 \text{ nam8}^\Delta::\text{natR} \text{ mud1}^\Delta::\text{kanMX} \text{ p360-NAM8} \) [\text{CEN URA3 NAM8}] | Qiu et al. 2011       |
| yRJMM23  | \( \text{MATa his3}^\Delta1 \text{ leu}^2 \Delta0 \text{ lys}^2 \Delta0 \text{ ura}3 \Delta0 \text{ msl1}::\text{natMX} \text{ mud1}::\text{kanMX} \text{ p360-MUD1} \) [\text{CEN URA3 MUD1}] | This study            |
| yRJGG8   | \( \text{MATa his3}^\Delta1 \text{ leu}^2 \Delta0 \text{ lys}^2 \Delta0 \text{ ura}3 \Delta0 \text{ msl5}::\text{natMX} \text{ mud1}::\text{kanMX} \text{ p360-MSL5} \) [\text{CEN URA3 MSL5}] | Schwer et al. 2013    |
| W303a    | \( \text{MATa leu}^2-3,112 \text{ trp}1-1 \text{ can}1-100 \text{ ura}3-1 \text{ ade2-1} \text{ his}3-11,15 \) | Rothstein 1983        |