

**Table S1**

**Plasmids used in this study**

<b>Plasmid Name</b>	<b>Description</b>	<b>Source</b>
p01	pGEX- <i>SHE2</i>	[1]
p06	pGEX- <i>SHE2-ΔC</i>	this study
p11	pGEX- <i>SHE2-ΔhE</i>	this study
RHP 118	pGEX- <i>SHE2(E183A D184A G185A)</i>	this study
RHP 119	pGEX- <i>SHE2(T191A D192A)</i>	this study
RHP 138	pGEX- <i>SHE2(F195A L196A)</i>	this study
RHP 139	pGEX- <i>SHE2(Q197A E198A I199A)</i>	this study
RHP 18	pGEX- <i>PUF6</i>	this study
RHP 27	pFastBacDual- <i>SHE2-SHE3His6</i>	this study
RHP 113	pFastBacDual- <i>SHE2-SHE3(S348E)His6</i>	this study
RHP 114	pFastBacDual- <i>SHE2-SHE3(S343E S361E)His6</i>	this study
RHP 129	pFastBacDual- <i>SHE2-SHE3(L364A V367A)His6</i>	this study
RHP 130	pFastBacDual- <i>SHE2-SHE3(R341E)His6</i>	this study
RHP 73	pGEX- <i>SHE3(354-425)His6</i>	this study
RHP 85	pGEX- <i>SHE3(334-425)His6</i>	this study
RHP 137	petM40- <i>SHE3(354-425)His6</i>	this study
RHP 136	petM40- <i>SHE3(334-425)His6</i>	this study
RHP 65	pBSMrna- <i>ASH1-E3-33</i>	this study
RHP 60	pBSMrna- <i>ASH1-E3-77</i>	this study
RHP 89	pBSMrna- <i>ASH1-E3-118</i>	this study
p15	YCplac22- <i>SHE2-fl-myc3</i>	[2]
p17	YCplac22- <i>SHE2-ΔhE-myc3</i>	this study
p18	YCplac22- <i>SHE2-ΔC-myc3</i>	this study
p20	YCplac111- <i>SHE2-ΔhE</i>	this study
p21	YCplac111- <i>SHE2-ΔC</i>	this study
RJP 132	YEplac195- <i>ASH1</i>	[3]
RJP 138	YCplac22	[4]
RJP 145	YCplac111	[4]

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RJP 1565	YCplac22- <i>SHE2-myc3</i>	[2]
RJP 916	YCplac111- <i>SHE2</i>	[5]

### References:

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2. Müller M, Richter K, Heuck A, Kremmer E, Buchner J, et al. (2009) Formation of She2p tetramers is required for mRNA binding, mRNP assembly, and localization. *RNA* 15: 2002-2012.
3. Long RM, Singer RH, Meng X, Gonzalez I, Nasmyth K, et al. (1997) Mating type switching in yeast controlled by asymmetric localization of *ASH1* mRNA. *Science* 277: 383-387.
4. Gietz RD, Sugino A (1988) New yeast-Escherichia coli shuttle vectors constructed with in vitro mutagenized yeast genes lacking six-base pair restriction sites. *Gene* 74: 527-534.
5. Du TG, Jellbauer S, Müller M, Schmid M, Niessing D, et al. (2008) Nuclear transit of the RNA-binding protein She2p is required for translational control of localized *ASH1* mRNA. *EMBO Rep* 9: 781-787.