

## Supplemental Figures

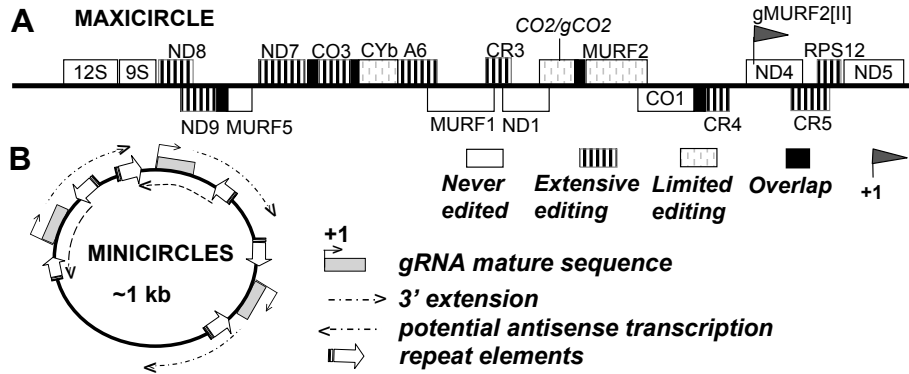


Figure S1

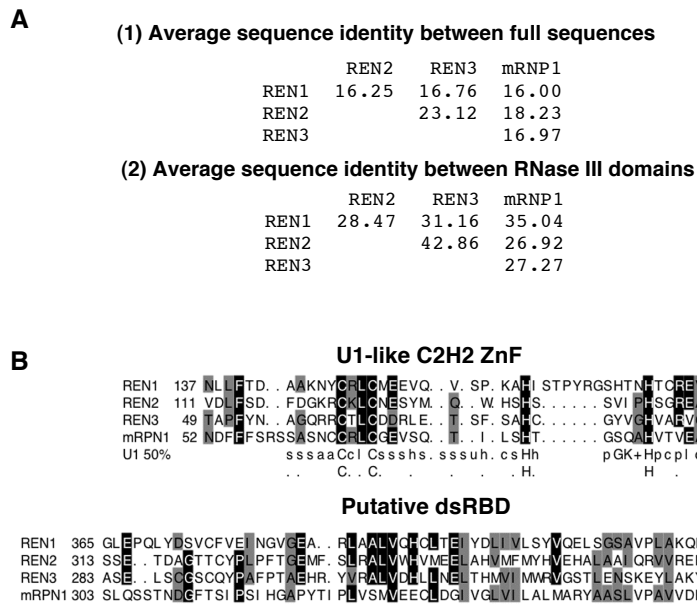


Figure S2

**Gel filtration analysis indicates recombinant mRPN1 forms a dimer**

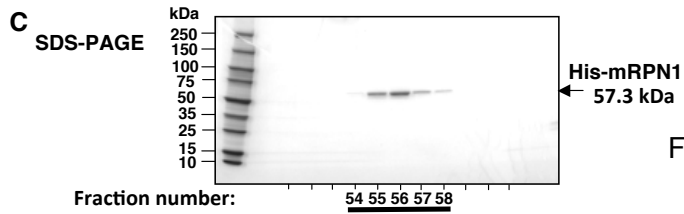
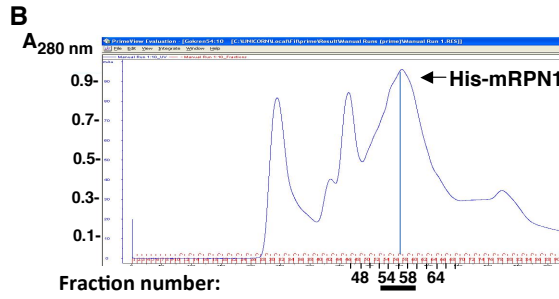
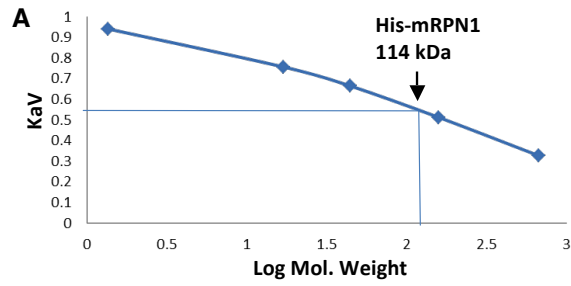


Figure S3

**REH2 downregulation does not affect the level of pre-gRNAs**

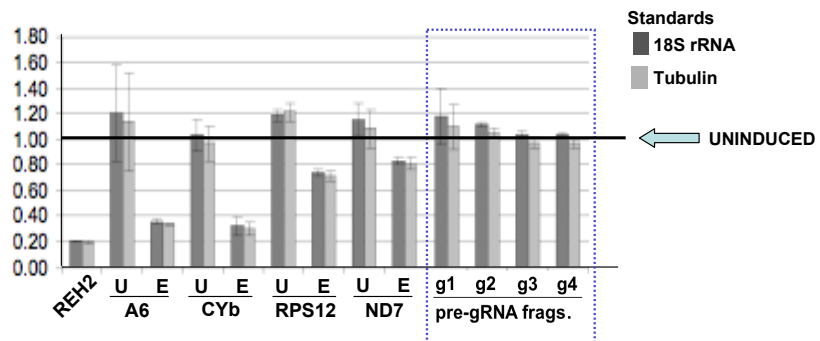


Figure S4

Direct interaction of mRPN1 and TbRGG2 in yeast two-hybrids

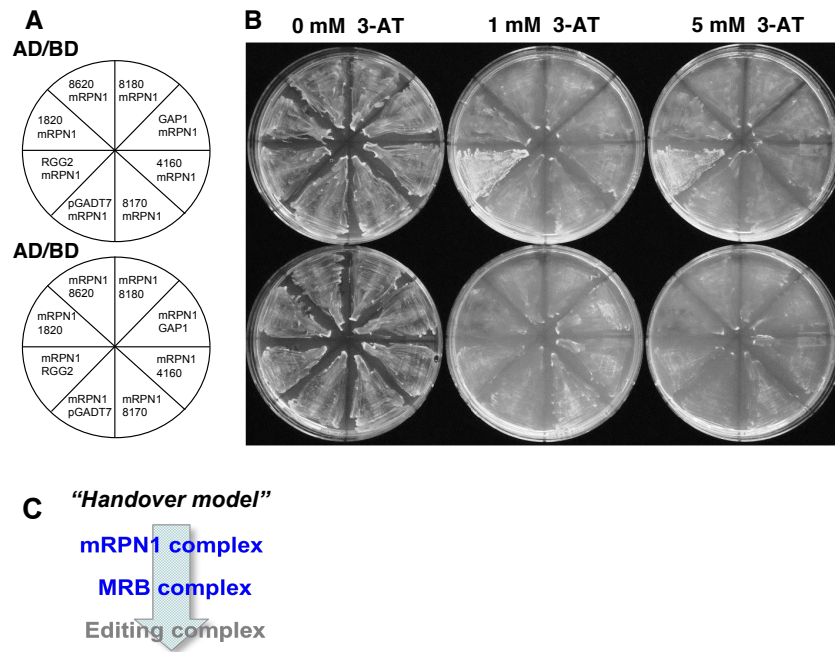


Figure S5

Table S1

The mRPN1 associated proteins TbRGG2, 8170 and 4160 are also found in MRP-related complexes

Protein ID <i>T. brucei</i>	mRPN1		REH2		MRB1	TbRGG1	GRBC1/2		Name/motif
	TAP	NUase	IP	NUase			TAP	TAP	
Tb11.01.0150	6	4	n.d	n.d	n.d	n.d	n.d	n.d	mRPN1 RNaseIII
Tb10.406.0050	6	4	5	2	+	+	+	+	TbRGG2 RRM
Tb927.8.8170	5	5	14	4	+	+	n.d	n.d	none
Tb927.4.4160	5	3	12	3	+	+	+	+/-	none