

## SUPPLEMENTARY DATA

### Supplementary methods: Pol I minigene construction

The promoter-containing fragment was produced by PCR on genomic DNA with the oligos “NotI-prom-fw” and “XhoI-prom-rev”, the human  $\beta$ -globin fragment from a plasmid containing the human  $\beta$ -globin gene with the oligos “HBfragm-XhoI-fw” and “HBfragm-SalI-rev”, the terminator fragment from genomic DNA with the oligos “XhoI-term-fw” and “KpnI-term-rev”.  $\beta$ -globin and terminator fragments were first digested with XhoI+SalI and XhoI+KpnI, respectively, then ligated between them, amplified by PCR and cloned into pBluescript SK(+) at the XhoI and KpnI sites. The promoter fragment was inserted in the vector pRS426 (NotI/XhoI). The  $\beta$ -globin + terminator fragment was then subcloned from pBluescript into this construct (XhoI/KpnI) to obtain the full WT minigene. All the terminator mutants were first prepared in pBluescript SK(+) then subcloned in the promoter-containing pRS426. Deletion of the Rnt1 cleavage site was obtained by PCR and re-ligation of the product using the oligos “TF-noRnt1-fw” and “TF-noRnt1-rev”, deletion of T1 with the oligos “TF-noT1-fw” and “TF-noT1-rev”. Ribozyme and mutant ribozyme were obtained by PCR on a plasmid template with the oligos “RZ-fw” and “RZ-rev” then cloned in place of Rnt1 cleavage site and T1 site respectively. Point Mutagenesis of the Reb1 binding site was performed using the mutagenic primers “MutReb1BS” and “MutReb1BS-anti”. The double mutant  $\Delta$ T1/mutReb1BS was obtained from the mutReb1BS construct by deletion of T1 with the oligos “TF-noT1mut-fw” and “TF-noT1-rev”. Deletion of the termination fragment was obtained from the WT construct in pRS426 by PCR and re-ligation with the oligos “noTF-fw” and “noTF-rev”. The sequence of the oligos employed is reported in Supplementary Table 2.

### Supplementary Table S1: Yeast strains

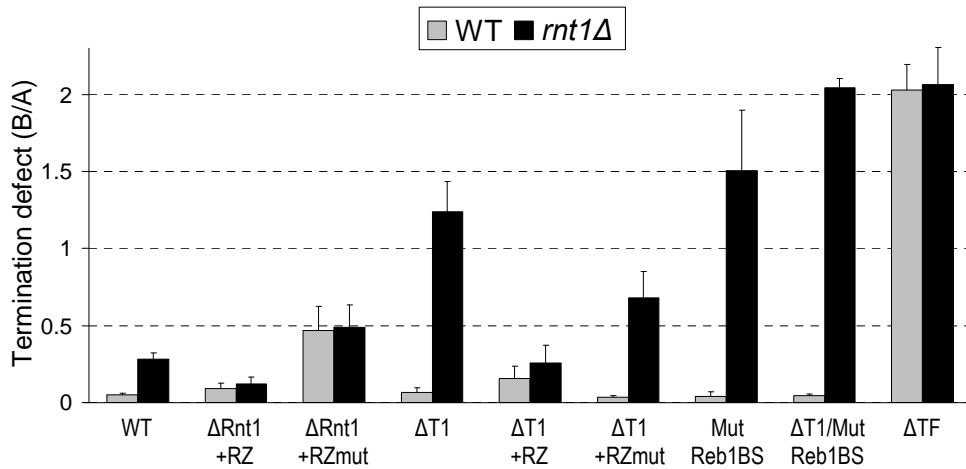
Strain	Genotype
BY4742 ( <i>RPA12</i> )	Mat-a <i>his3<math>\Delta</math>1 leu2<math>\Delta</math>0 lys2<math>\Delta</math>0 ura3<math>\Delta</math>0</i>
<i>rpa12<math>\Delta</math></i>	Mat-a <i>his3<math>\Delta</math>1 leu2<math>\Delta</math>0 lys2<math>\Delta</math>0 ura3<math>\Delta</math>0 rpa12::kanMX6</i>
BMA64 ( <i>RNT1</i> )	Mat-a <i>ura3-1 trp1 ade2-1 leu2-3,112 his3-11,15</i>
<i>rnt1<math>\Delta</math></i>	Mat-a <i>ura3-1 trp1 ade2-1 leu2-3,112 his3-11,15 rnt1::TRP1</i>
J342 ( <i>pGAL-REB1</i> )	Mat-a <i>ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 reb1<math>\Delta</math>::LEU2 pBM272-41 (P<sub>GAL</sub> REB1, HIS3)</i>
FD4D ( <i>RAT1 SEN1</i> )	Mat-a <i>leu2 trp1<math>\Delta</math>63 ura3</i>
<i>rat1-1 sen1-1</i>	Mat-a <i>leu2 trp1<math>\Delta</math>63 ura3 rat1-1 sen1-1</i>

**Supplementary Table S2: Primer sequences**

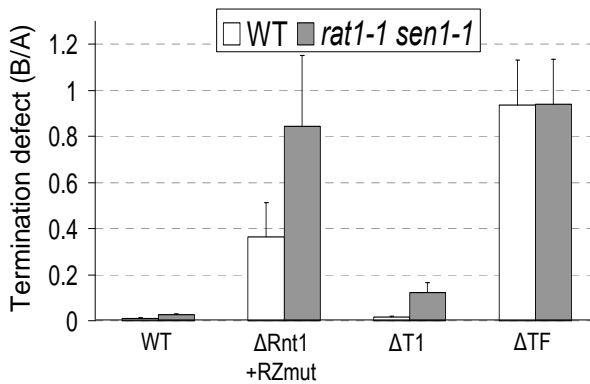
<b>Name</b>	<b>Sequence (5'-3')</b>
RNaseH	CCAGTACCCACTTAGAAAGA
R-fw	AAGTAGACTGAACAAGTCTCTA
R-rev	TCTCTAAACTAGGCCCCCGGC
Ext-rev	CATCAGGGGCTGTTGCCAATG
NotI-prom-fw	GGTTACGCGGCCGCAACGGTGCACCTGGCGGAAAG
XhoI-prom-rev	GTCAGTCTCGAGTCGAACTTGTCTTCAACTGCTTTCG
HBfragm-XhoI-fw	CGAGTACTCGAGGCAATGATGTATTTAAATTATTTCTG
HBfragm-Sall-rev	ATGGTTGTCGACGAATCCTTTTCTGAGGGATGAATAAG
XhoI-term-fw	GATGATCTCGAGGTTTTTTATTTCTTTCTAAGTGGGTAC
KpnI-term-rev	CTAGAAGGTACCCAATACATGTTTTTACCCGGATC
TF-noRnt1-fw	GAGAGAAGTAGACTGAACAAGTCTC
TF-noRnt1-rev	CTCGACGAATCCTTTTCTGAGG
TF-noT1-fw	GAATTCTATGATCCGGGTAAAAAC
TF-noT1mut-fw	GAATTCTATGATCCTTGTA AAAACATG
TF-noT1-rev	GAGACTTGTTTCAGTCTACTTCTC
RZ-fw	CCTGTCACCGGATGTGTTTTTC
RZ-rev	CCTGTTTCGTCCTCACGGAC
MutReb1BS	TTTATTTGTCTTAAGAATTCTATGATCCTTGTA AAAACA TGTATTGGGTACCCAATTC
MutReb1BS-anti	GAATTGGGTACCCAATACATGTTTTTACAAGGATCATA GAATTCTTAAGACAAATAAA
noTF-fw	GGTACCCAATTCGCCCTATAG
noTF-rev	CTCGACGAATCCTTTTCTGAGG
A-fw	CTTAAACTCCATGAAAGAAGG
A-rev	CTCGACGAATCCTTTTCTGAGG
B-fw	CAACTTAATCGCCTTGCAGCAC
B-rev	CATTCAGGCTGCGCAACTGTTG
3C-1	GGCACCTGTCACTTTGGAA
3C-2	GTCATGGAGTACAAGTGTGAGG
3C-3	GAAAGCAGTTGAAGACAAGTTCG
3C-4	GGGAATGTGGGAGGTCAGTGC
4A-1	GAAGAGCTAGTTCAAACCTTGG
4A-2	GACTTGTTTCAGTCTACTTCTC
4A-3	GAGAAGTAGACTGAACAAGTC
4A-4	CTGCGCAACTGTTGGGAAGGGC

**Supplementary Figure S1: Raw data for the graphs normalized towards  $\Delta$ TF in Figure 4B, 4C and 4D**

**Termination efficiency**



**Rat1/Sen1 effect**



**Reb1p depletion**

