

Figure s1. Growth properties of *NAB3-FRB*, *RPB2-HTB*. **(A)** *NAB3-FRB* protein expression. **(B)** *NAB3-FRB* and control strain grown with or without rapamycin. **(C)** Growth curves of FRB tagged *Nrd1* and *Nab3* compared to WT. **(D)** Growth curve of *Nab3-FRB* grown in the presence or absence of rapamycin. Arrows indicate the timing of labelling, irradiation and harvesting.

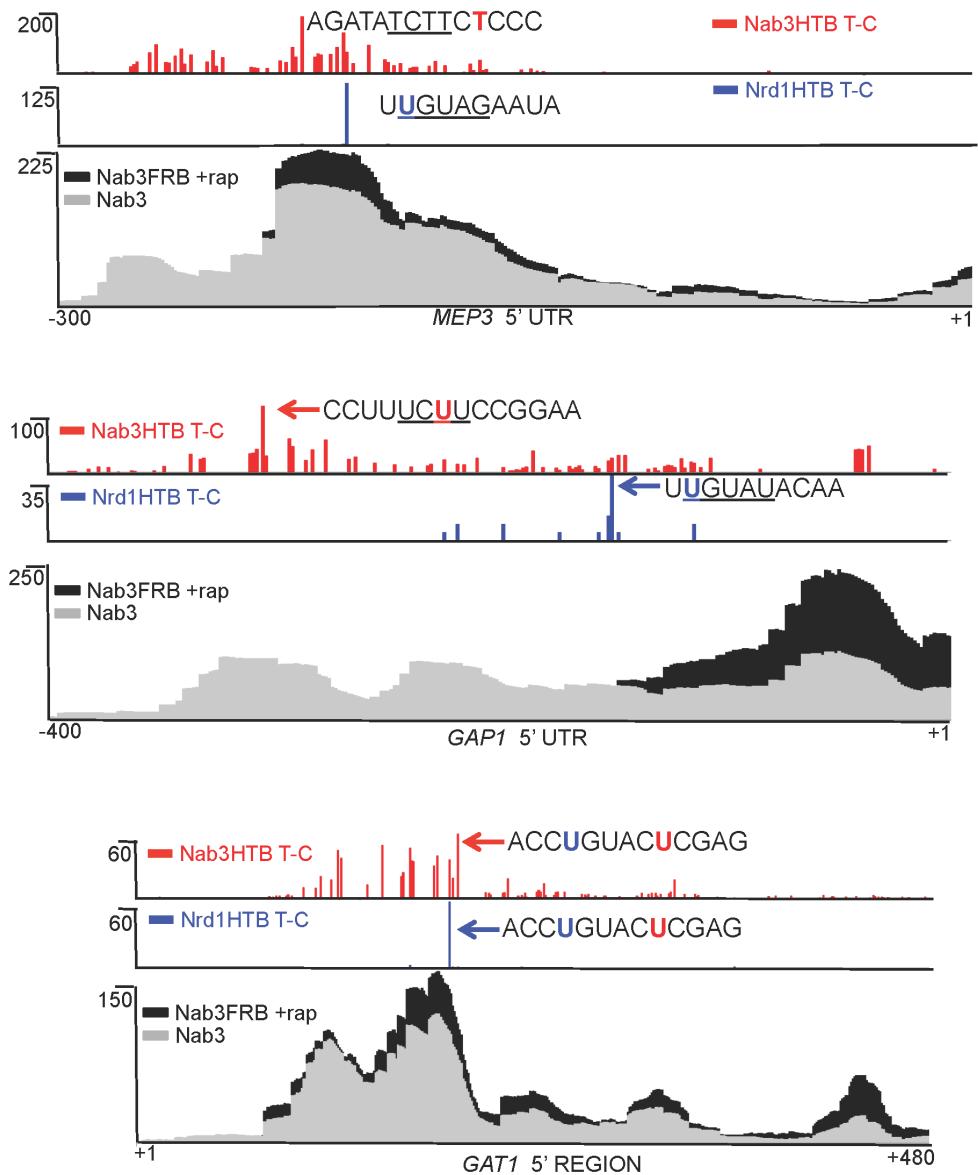


Figure S2. Increased expression of nitrogen catabolite repressed genes. Pol II and Nab3 binding maps showing examples of Nab3 regulated NCR genes.

Table S1. DNA sequences from Nab3 cross-linked sites used to determine binding motifs.

Nab3 Only	Nrd1 Only	Both
BAG7	ARO4	AGP3
DAK2	BIO5	ATG19
DAL1	BUD9	CRF1
FLO5	CTS1	DAL80
MEP3	DIP5	DSE4
MET13	EGT2	DUR1,2
MET3	HRP1	FRE4
MET6	OPT1	GAP1
NRK1	PBI1	GLT1
OLE1	PCL9	HEM25
OPT2	PRY3	HMS1
PHD1	SCW11	IMD2
RGT1	SEN1	IMD3
SAM2	SET6	IZH4
STE23	SVL3	MEP2
TOS2	TIR4	MKK2
YCR101C	YDL183C	MTO1
YDR124W	YHL026C	NRD1
YGK3	YKL183C-A	PTR2
YJL213W	YKR015C	REF2
YLR053C		SPO23
YNR066C		SUL2
		TDA4
		UGA4
		URA10
		URA8

Table S2. List of genes upregulated in Nab3 nuclear depletion only, Nrd1 nuclear depletion only, and in both. The genes selected were upregulated in all cases by at least 2 fold with p values < 0.05. This list was used to generate the venn-diagram in Figure 3B.