Table S3: List of putative TFBS affected in the deletions shown in Figure 4.

Colour code, Deletion Δ	Position	Matrix Family	Detailed Family Information	Matrix	Detailed Matrix Information
1	-785 to -777	F$YADR	Yeast metabolic regulator	F$ADR1.01	Alcohol Dehydrogenase Regulator, carbon source-responsive zinc-finger transcription factor
		F$PHD1	Pseudoh yphal determinant 1	F$PHD1.03	Transcription factor involved in regulation of filamentous growth
2	-628 to -612	F$MGCM	Monomeric Gal4-class motifs	F$RGT1.02	Glucose-responsive transcription factor involved in regulation of glucose transporters
		F$CSRE	Carbon source-responsive elements	F$CSRE.01	Carbon source-responsive element (yeast)
		F$RDNA	RDNA binding factor	F$REB1.02	rDNA enhancer binding protein 1, termination factor for RNA polymerase I and transcription factor for RNA polymerase II
3	-586 to -568	F$YMIG	Yeast GC-Box Proteins	F$MIG1.02	MIG1, zinc finger protein mediates glucose repression
		F$YSTR	Yeast stress response elements	F$MSN2.01	Transcriptional activator for genes in multistress response
		F$BZIP	Fungal basic leucine zipper family	F$YAP1.02	Yeast activator protein of the basic leucine zipper (bZIP) family
		F$TALE	Fungal TALE homeodomain class	F$TOS8.01	Homeodomain-containing transcription factor
4	-553 to -535	F$YMIG	Yeast GC-Box Proteins	F$MIG1.01	MIG1, zinc finger protein mediates glucose repression
		F$YRAP	Yeast activator of glycolyse genes / repressor of mating type I	F$RAP1.06	RAP1 (TUF1), activator or repressor depending on context
		F$IRTF	Iron-responsive transcriptional activators	F$AFT2.01	Activator of Fe (iron) transcription 2, iron-regulated transcriptional activator
5	-442 to -426	F$MGCM	Monomeric Gal4-class motifs	F$RGT1.02	Glucose-responsive transcription factor involved in regulation of glucose transporters
		F$GATA	Fungal GATA binding factors	F$GZF3.01	GATA zinc finger protein Gzf3
		F$PHD1	Pseudoh yphal determinant 1	F$PHD1.01	Transcription factor involved in regulation of filamentous growth
		F$ASG1	Activator of stress genes	F$ASG1.01	Fungal zinc cluster transcription factor Asg1
6	-337 to -316	F$MGCM	Monomeric Gal4-class motifs	F$RGT1.02	Glucose-responsive transcription factor involved in regulation of glucose transporters
		F$MGCM	Monomeric Gal4-class motifs	F$RGT1.02	Glucose-responsive transcription factor involved in regulation of glucose transporters
		F$RDR1	Repressor of Drug Resistance 1	F$RDR1.01	Repressor of Drug Resistance 1 (transcriptional repressor involved in the control of multidrug resistance
		F$GATA	Fungal GATA binding factors	F$GATA.01	GATA binding factor (yeast)
		F$PRES	Pheromone response elements	F$STE12.01	Transcription factor activated by a MAP kinase signaling cascade, activates genes involved in mating or pseudohyphal/invasive growth pathways
		F$GATA	Fungal GATA binding factors	F$GAT1.01	GATA-type Zn finger protein Gat1
7	-310 to -299	F$MGCM	Monomeric Gal4-class motifs	F$RGT1.02	Glucose-responsive transcription factor involved in regulation of glucose transporters
		O$MTEN	Core promoter motif ten elements	O$DMTE.01	Drosophila motif ten element
		F$YORE	Yeast oleate response elements	F$OAF1.01	Oleate-activated transcription factor, acts alone and as a heterodimer with Pip2p
		F$MGCM	Monomeric Gal4-class motifs	F$RGT1.02	Glucose-responsive transcription factor involved in regulation of glucose transporters
		F$YGAL	Yeast GAL4 factor	F$GAL4.01	GAL4 transcriptional activator in response to galactose induction
8	-293 to -285	F$CSRE	Carbon source-responsive elements	F$SIP4.01	Zinc cluster transcriptional activator, binds to the carbon source-responsive element (CSRE) of gluconeogenic genes
		F$RDR1	Repressor of Drug Resistance 1	F$RDR1.01	Repressor of Drug Resistance 1 (transcriptional repressor involved in the control of multidrug resistance
		F$YGAL	Yeast GAL4 factor	F$LAC9.01	LAC9 binding site, homologous to GAL4 of Saccharomyces cerevisiae
		F$FBAS	Fungi branched amino acid biosynthesis	F$LEU3.02	LEU3, S. cerevisiae, zinc cluster protein
9	-275 to -261	F$CSRE	Carbon source-responsive elements	F$CSRE.01	Carbon source-responsive element (yeast)
		F$MGCM	Monomeric Gal4-class motifs	F$RGT1.01	Glucose-responsive transcription factor involved in regulation of glucose transporters
		F$ICGG	Inverted CGG triplets spaced preferentially by 10 bp	F$TEA1.01	Ty1 enhancer activator, zinc cluster DNA-binding protein
		F$RDNA	RDNA binding factor	F$REB1.02	rDNA enhancer binding protein 1, termination factor for RNA polymerase I and transcription factor for RNA polymerase II
		F$YMCM	Yeast cell cycle and metabolic regulator	F$MCM1.02	Yeast factor MCM1 cooperating with MATalpha factors
10	-258 to -242	F$YMIG	Yeast GC-Box Proteins	F$MIG1.01	MIG1, zinc finger protein mediates glucose repression
		F$YADR	Yeast metabolic regulator	F$ADR1.01	Alcohol Dehydrogenase Regulator, carbon source-responsive zinc-finger transcription factor
11	-239 to -221	F$MGCM	Monomeric Gal4-class motifs	F$RGT1.02	Glucose-responsive transcription factor involved in regulation of glucose transporters
		F$YMIG	Yeast GC-Box Proteins	F$MIG1.01	MIG1, zinc finger protein mediates glucose repression
		F$ICGG	Inverted CGG triplets spaced preferentially by 10 bp	F$TEA1.01	Ty1 enhancer activator, zinc cluster DNA-binding protein
		F$ARPU	Regulator of pyrimidine and purine utilization pathway	F$PPR1.01	Pyrimidine pathway regulator 1
		F$PDRE	Pleiotropic drug resistance responsive elements	F$PDRE.01	Pleiotropic drug resistance responsive element (yeast)

		F$ARPU	Regulator of pyrimidine and purine utilization pathway	F$PPR1.01	Pyrimidine pathway regulator 1
		F$PDRE	Pleiotropic drug resistance responsive elements	F$PDRE.01	Pleiotropic drug resistance responsive element (yeast)
		F$CYTO	Activator of cytochrome C	F$HAP1.01	HAP1, S. cerevisiae member of GAL family, regulates heme dependent cytochrome expression
		F$YQA1	Neurospora crassa QA1 gene activator	F$QA1F.01	qa-1F, required for quinic acid induction of transcription in the qa gene cluster
12	**-220 to -209**	**F$MGCM**	**Monomeric Gal4-class motifs**	**F$RGT1.02**	**Glucose-responsive transcription factor involved in regulation of glucose transporters**
		F$CYTO	Activator of cytochrome C	F$HAP1.01	HAP1, S. cerevisiae member of GAL family, regulates heme dependent cytochrome expression