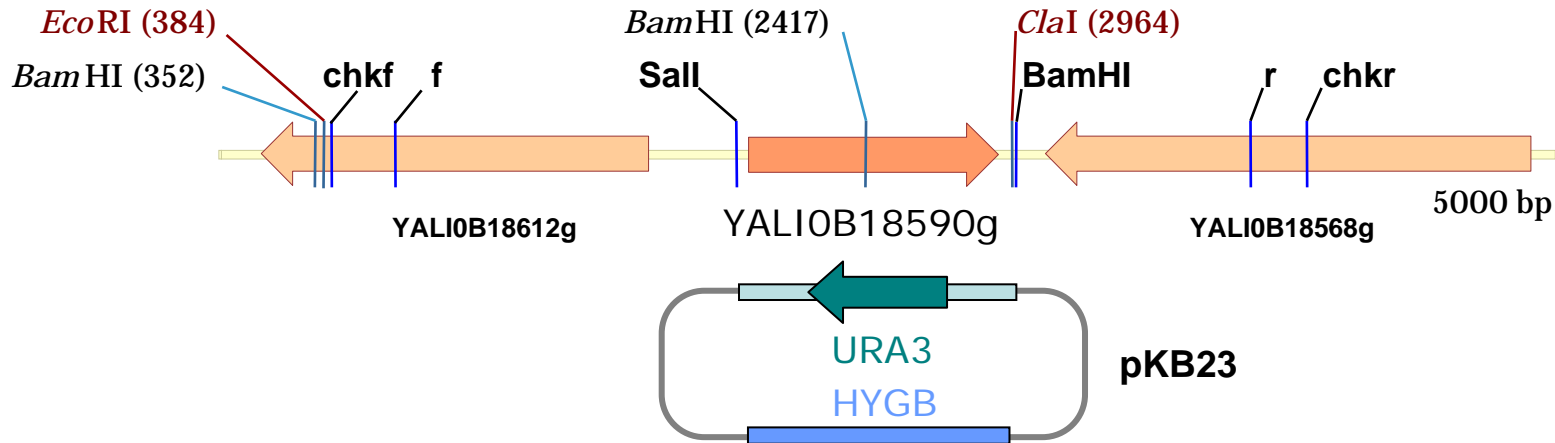


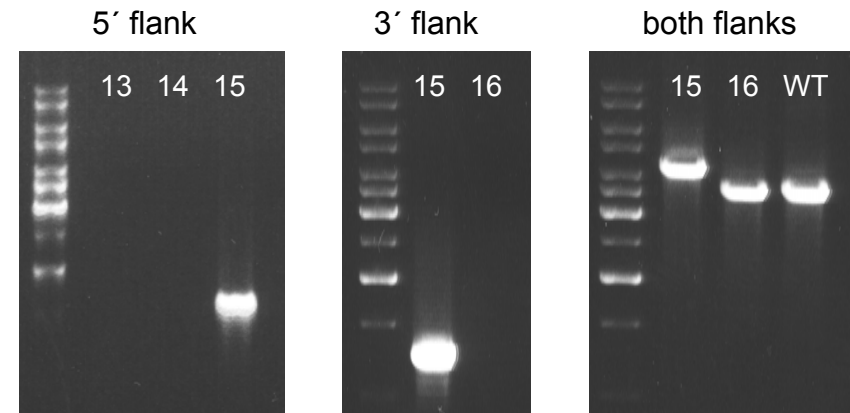
Supplementary Figure S3 - Genomic deletion of YALI0B18590g (*IND1*)



Transformation of *Y. lipolytica* GB10

(1n, *ura3*, *leu2*, *lys*, MatB, *NDH2i*, NUGM-HT2)

Round	URA3+	HygB sensitive	positive in PCR
1	160	15	0
2	187	20	0
3	96	19	1



The haploid *Yarrowia lipolytica* GB10 strain was used to generate an *IND1* deletion mutant, *ind1*Δ. The *IND1* gene (systematic name YALI0B18590g) is intron-less. Its open reading frame plus 27 bp upstream and 60 pb downstream were replaced by the *URA3* marker gene using homologous recombination with the plasmid pKB23. More than 440 transformants were screened and the correct gene replacement was confirmed by PCR in one *URA3*⁺ transformant (#15).