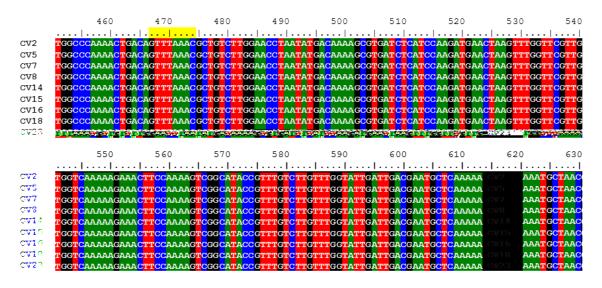
Applied Microbiology and Biotechnology

Pichia pastoris		

Supplementary Materials

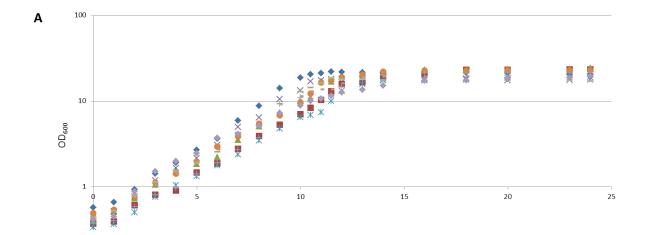


Supplementary Fig. S1

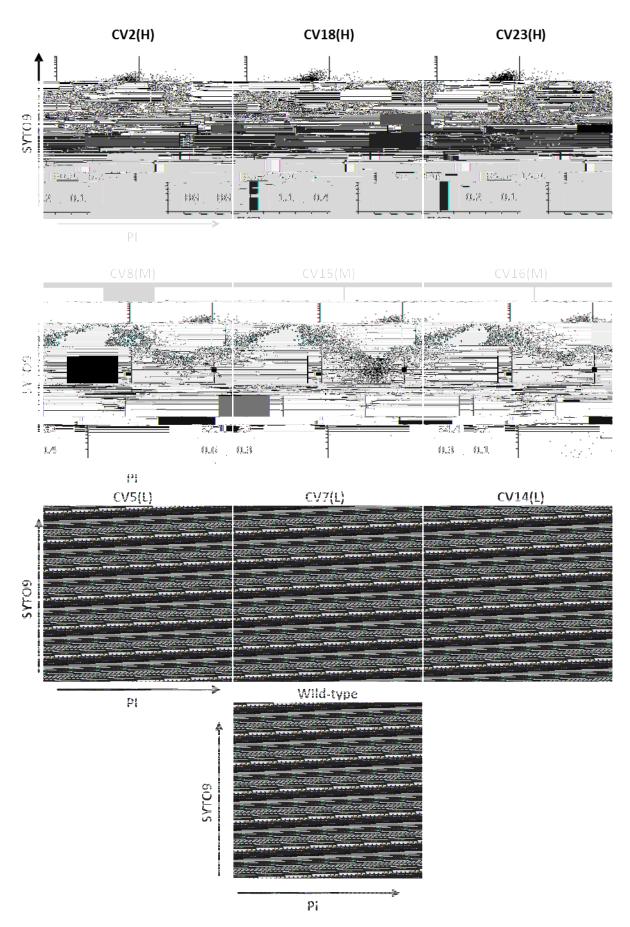
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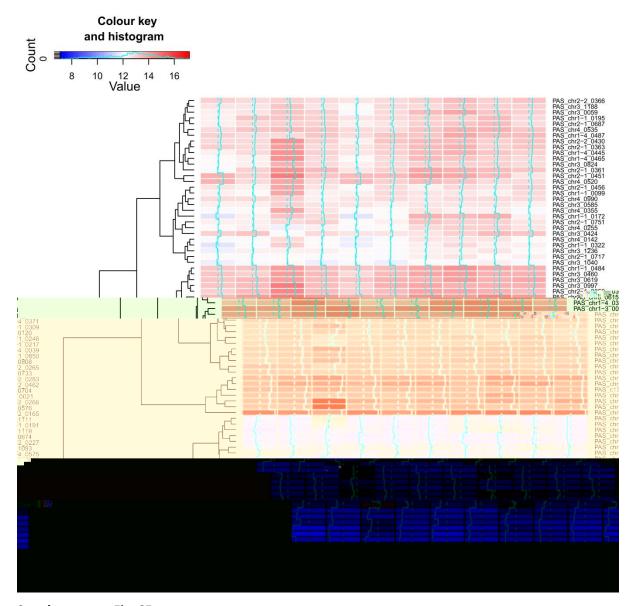
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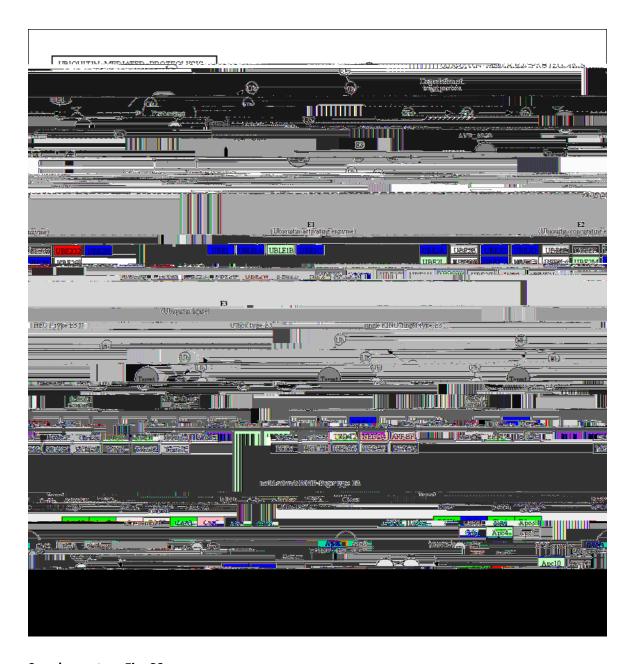


Supplementary Fig. S2





Supplementary Fig. S5



Supplementary Fig. S6

Supplementary Table S1.

CV5 (L		(L) CV14 (L		CV15 (M)	CV16 (M)	CV2 (H)	CV18 (H)	CV23 (H)
Fatty acid metabolism	Alanine, aspartate		d Alanine, aspartate and	100		Glycerophosph	Basal transcription	Cell cycle -
metabolism	Ci ivic	in the second se						
kisome	Sphingoli metabolis	pathways mRNA	Pyrimidine metabolism	Pentose and glucuronate interconversion s	Peroxisome Porphyrin and	Ribosome Ribosome	Ribosome biogenesis in eukaryotes	RNA degradation
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system Ribosome bjodenesis in eukaryotes		Oxidat phosp	Ribosom horylation biogenes	e sis in otes		RNA polymera	Steroid	Sulfur relay
JKNA			HNA polyn	nerase Pheny metab	lalanine bioge	nesis in	ansport metab	
me	poligid etabolism		Phenylalanine Phenylalanine, tyrosine and tryptophan biosynthesis		rphyrin and Icniorophyli metabolism	RNA transport Sulfur metabolism		
oth	iquinone and ner terpenoid- inone		Ribosome		Ribosome biogenesis in euk	Ubiquinone and other terpenoid-quinone		

Supplementary Table S2

	CV5 (L)	CV7 (L)	CV14 (L)	CV8 (M)	CV15 (M)	CV16 (M)	CV2 (H)	CV18 (H)	CV23 (H)
	Aminoacyl- tRNA biosynthesis	Basal transcription factors	Amino sugar and nucleotide sugar metabolism	Cell cycle - yeast	Basal transcription factors	Aminoacyl- tRNA biosynthesis	Alanine, aspartate and glutamate metabolism	Alanine, aspartate and glutamate metabolism	Basal transcription factors
	Fatty acid biosynthesis	Base excision repair	Basal transcription factors	MAPK signaling pathway - yeast		Cyanoamino acid metabolism	Cell cycle - yeast	Amino sugar and nucleotide sugar metabolism Aminoacyl-	Endocytosis
	Glutathione	Cell cycle -	Cell cycle -	Micmatch renair	One carbon	Endocutorio	Fatty acid	tRNA	
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