

**Additional Table S1. Strains and plasmids**

Strains	Genotype or other relevant characteristics	Source or reference
<b><i>E. coli</i></b>		
DH5 $\alpha$	$\Phi 80dlacZ\Delta m15$ , <i>recA1</i> , <i>endA1</i> , <i>gyrA96</i> , <i>thi-1</i> , <i>hsdR17</i> ( <i>r<sub>k</sub><sup>-</sup></i> , <i>m<sub>k</sub><sup>+</sup></i> ), <i>supE44</i> , <i>relA1</i> , <i>deoR</i> , $\Delta(lacZYA-argF)U169$	Thermo Fisher Scientific, Asnières, France
DB3.1	<i>gyrA462</i> , <i>endA1</i> , $\Delta(sr1-recA)$ , <i>mcrB</i> , <i>mrr</i> , <i>hsdS20</i> , <i>glnV44</i> (=supE44), <i>ara14</i> , <i>galK2</i> , <i>lacY1</i> , <i>proA2</i> , <i>rpsL20</i> , <i>xyl5</i> , <i>leuB6</i> , <i>mil1</i>	Thermo Fisher Scientific, Asnières, France
<b><i>Y. lipolytica</i></b>		
W29	<i>MATA</i> , wild-type	(1)
Po1d	<i>MATA ura3-302 leu2-270 xpr2-322</i>	(1)
JMY330	Po1d Ura+ Leu-	(2)
JMY2101	Po1d Ura- Leu+	This study
JMY2900	Po1d Ura+ Leu+	(3)
JMY5083	JMY330 <i>LEU2ex-pTEF-Glucoamylase</i>	(4)
JMY5310	JMY330 <i>LEU2ex-2UAS1-pTEF-XlnC</i>	This study
JMY5312	JMY330 <i>LEU2ex-3UAS1-pTEF-XlnC</i>	This study
JMY5314	JMY330 <i>LEU2ex-4UAS1-pTEF-XlnC</i>	This study
JMY5316	JMY330 <i>LEU2ex-8UAS1-pTEF-XlnC</i>	This study
JMY5318	JMY330 <i>LEU2ex-hp4d-XlnC</i>	This study
JMY5320	JMY330 <i>LEU2ex-hp8d-XlnC</i>	This study
JMY5771	JMY330 <i>LEU2ex-2UAS1-pTEF-GA</i>	This study
JMY5774	JMY330 <i>LEU2ex-3UAS1-pTEF-GA</i>	This study
JMY5777	JMY330 <i>LEU2ex-4UAS1-pTEF-GA</i>	This study
JMY5780	JMY330 <i>LEU2ex-8UAS1-pTEF-GA</i>	This study
JMY5783	JMY330 <i>LEU2ex-hp4d-GA</i>	This study
JMY5785	JMY330 <i>LEU2ex-hp8d-GA</i>	This study
JMY6313	JMY784 <i>URA3ex-pTEF-XlnC</i>	This study
JMY6386	JMY330 <i>LEU2-pTEF-Redstar2</i>	This study
JMY6387	JMY330 <i>LEU2-2UAS1-pTEF-Redstar2</i>	This study
JMY6388	JMY330 <i>LEU2-3UAS1-pTEF-Redstar2</i>	This study
JMY6388	JMY330 <i>LEU2-4UAS1-pTEF-Redstar2</i>	This study
JMY6389	JMY330 <i>LEU2 8UAS1-pTEF-Redstar2</i>	This study
JMY6390	JMY330 <i>LEU2-hp4d-Redstar2</i>	This study
JMY6391	JMY330 <i>LEU2-hp8d-Redstar2</i>	This study
<b>Plasmides</b>		
pCR4Blunt-TOPO®	Cloning vector	Thermo Fisher Scientific, Asnières, France
pENTR™/D-TOPO®	Cloning vector	Thermo Fisher Scientific, Asnières, France
JMP1047	JMP62 <i>URA3ex-pTEF</i>	(5)
JMP1394	JMP62 <i>LEU2ex pTEF-RedStar2</i>	(6)
JMP1521	JMP62 <i>pTEF URA3ex AmpR</i> and ORI from PBR322	(7)
JMP1524	JMP62 <i>URA3ex-hp4d</i>	Verbeke J. unpublished
JMP1529	JMP1521-cassette <i>ccdB</i> (Gateway)	(7)
JMP2416	pCR4Blunt-TOPO - <i>Clal-2UAS1-BstBI</i>	This study
JMP2418	pCR4Blunt-TOPO - <i>Clal-3UAS1-BstBI</i>	This study
JMP2027	pCR4Blunt-TOPO - <i>Clal-4UAS1-BstBI</i>	This study
JMP2397	JMP62 <i>LEU2ex-4UAS1-pTEF-RedStar2</i>	This study
JMP2471	JMP62 <i>LEU2ex-hp4d -RedStar2</i>	This study
JMP2473	JMP62 <i>LEU2ex-hp8d -RedStar2</i>	This study
JMP2482	JMP62 <i>LEU2ex-2UAS1-pTEF-RedStar2</i>	This study
JMP2484	JMP62 <i>LEU2ex-3UAS1-pTEF-RedStar2</i>	This study
JMP2563	JMP62 <i>LEU2ex-pTEF</i>	Crutz-Le Coq A.M., Fouchard F., unpublished

JMP2603	JMP62 <i>URA3ex-pTEF-XlnC</i>	This study
JMP2607	JMP62 <i>LEU2ex-8UAS1-pTEF-RedStar2</i>	This study
JMP2928	JMP62 <i>URA3ex-pTEF-Glucoamylase</i>	(4)
JMP3030	p1529 + <i>ClaI/BamHI pTEF</i>	This study
JMP3048	p3030 8UAS1- <i>pTEF</i>	This study
JMP3050	p3030 hp8d clone 7	This study
JMP3052	p3030 4UAS1- <i>pTEF</i>	This study
JMP3096	JMP62 <i>LEU2ex-2UAS1-pTEF-XlnC</i>	This study
JMP3097	JMP62 <i>LEU2ex-3UAS1-pTEF-XlnC</i>	This study
JMP3098	JMP62 <i>LEU2ex-4UAS1-pTEF-XlnC</i>	This study
JMP3099	JMP62 <i>LEU2ex-8UAS1-pTEF-XlnC</i>	This study
JMP3100	JMP62 <i>LEU2ex-hp4d-XlnC</i>	This study
JMP3101	JMP62 <i>LEU2ex-hp8d-XlnC</i>	This study
JMP3258	p3030 2UAS1- <i>pTEF</i>	This study
JMP3273	p3030 3UAS1- <i>pTEF</i>	This study
JMP3274	p3030 3UAS1- <i>pTEF</i>	This study
JMP3275	p3030 hp4d	This study
JMP3276	p3030 hp4d	This study
JMP3781	JMP62 <i>LEU2ex-2UAS1-pTEF-Glucoamylase</i>	This study
JMP3782	JMP62 <i>LEU2ex-3UAS1-pTEF-Glucoamylase</i>	This study
JMP3783	JMP62 <i>LEU2ex-4UAS1-pTEF-Glucoamylase</i>	This study
JMP3784	JMP62 <i>LEU2ex-8UAS1-pTEF-Glucoamylase</i>	This study
JMP3785	JMP62 <i>LEU2ex-hp4d-Glucoamylase</i>	This study
JMP3786	JMP62 <i>LEU2ex-hp8d-Glucoamylase</i>	This study

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