

Supplementary Table S4. Nucleotide sequence comparison of genes on lager brewing yeast mtDNA with *S. cerevisiae* and *S. bayanus*.

Lager brewing yeast	<i>S. cerevisiae</i>		<i>S. bayanus</i>		
	Identity (%)	Strain	Identity (%)	Strain	Accession no.
<i>COX2</i>	93	S288C	96	NRRL Y-12624 <sup>a</sup>	AF442211.1
<i>COX3</i>	94	S288C	96	CLIB 533 <sup>a</sup>	AL400791.1
<i>COB</i>	93	S288C	-	-	-
<i>AI2</i>	95	S288C	-	-	-
<i>COX1</i>	94	S288C	-	-	-
<i>ATP8</i>	97	S288C	98	CBS395 <sup>a</sup>	AF114929.1
<i>ATP6</i>	93	S288C	96	CLIB 533 <sup>a</sup>	AL401695.1
<i>OLI1 (ATP9)</i>	97	S288C	100	CBS395 <sup>a</sup>	AF114930.1
<i>15S rRNA</i>	95	S288C	98	CBS380	AF114901.1
<i>21S rRNA</i>	95	S288C	96	CLIB 533 <sup>a</sup>	AL401386.1

<sup>a</sup> these strains are classified in *S. bayanus* var. *uvarum*.