

Table S2. List of the 47 genomes of *Saccharomyces cerevisiae* strains extracted from the SGD.

Strain	No. of scaffolds	No. of ORFs	Description
<b>AWRI1631</b>	<b>2484</b>	4747	Haploid derivative of South African commercial wine strain N96
<b>AWRI796</b>	<b>105</b>	4747	South African red wine strain
<b>BC187</b>	<b>614</b>	5254	Derivative of California wine barrel isolate
<b>BY4741 (Stanford)</b>	<b>864</b>	6682	S288C-derivative laboratory strain
<b>BY4742 (Stanford)</b>	<b>868</b>	5391	S288C-derivative laboratory strain
<b>CBS7960</b>	<b>2367</b>	5333	Brazilian bioethanol factory isolate
<b>CEN.PK113-7D</b>	<b>589</b>	6269	Lab strain constructed by Michael Ciriacy and K.D. Entian
<b>CLIB215</b>	<b>1566</b>	5051	New Zealand bakery isolate
<b>CLIB324</b>	<b>3528</b>	3733	Vietnamese bakery isolate
<b>D273-10B</b>	<b>203</b>	5367	Lab strain for mitochondrial studies constructed in the Sherman lab
<b>DBVPG6044</b>	<b>624</b>	5297	West African isolate
<b>EC1118</b>	<b>31</b>	6352	Commercial wine strain
<b>EC9-8</b>	<b>1088</b>	5490	Haploid derivative of Israeli canyon isolate
<b>FL100 (SGD)</b>	<b>174</b>	5364	lab strain constructed by Francis Lacroute
<b>FostersB</b>	<b>142</b>	6240	Commercial ale strain
<b>FostersO</b>	<b>222</b>	6239	Commercial ale strain
<b>FY1679</b>	<b>388</b>	5370	S288C-derivative laboratory strain
<b>JAY291</b>	<b>453</b>	6143	Haploid derivative of Brazilian industrial bioethanol strain PE-2
<b>JK9-3d</b>	<b>197</b>	5358	Lab strain constructed by J. Kunz and J. Heitman while in the Hall lab
<b>K11</b>	<b>480</b>	5267	Sake strain
<b>Kyokai7</b>	<b>705</b>	6285	Japanese sake yeast
<b>L1528</b>	<b>538</b>	5361	Chilean wine strain
<b>LalvinQA23</b>	<b>185</b>	6293	Portuguese Vinho Verde white wine strain
<b>M22</b>	<b>6145</b>	2548	Italian vineyard isolate
<b>PW5</b>	<b>1608</b>	5523	Nigerian Raphia palm wine isolate
<b>RedStar</b>	<b>577</b>	5440	Commercial baking strain
<b>RM11-1A (SGD)</b>	<b>115</b>	5310	Natural isolate collected by Robert Mortimer from a Calif vineyard

<b>S288C</b>	<b>17</b>	6716	Reference Genome
<b>SEY6210</b>	<b>183</b>	5383	Lab strain synonymous with SEY6211, Mata haploid, diploid SEY6210.1
<b>Sigma1278b-10560-6B (SGD)</b>	<b>214</b>	5343	Used to study pseudohyphal growth isolated in Grenson lab in 1960s
<b>SK1</b>	<b>106</b>	5960	High sporulating diploid lab strain used to study sporulation, meiosis
<b>T7</b>	<b>360</b>	6293	Missouri oak tree exudate isolate
<b>T73</b>	<b>5882</b>	3324	Spanish red wine strain
<b>UC5</b>	<b>1527</b>	5599	Japanese sake yeast
<b>UWOPS05-217-3</b>	<b>1348</b>	4788	Environmental isolate
<b>Vin13</b>	<b>158</b>	6321	South African white wine strain
<b>VL3</b>	<b>125</b>	6322	French white wine strain
<b>W303 (SGD)</b>	<b>236</b>	5357	Lab strain constructed by Rodney Rothstein
<b>X2180-1A</b>	<b>212</b>	5370	Lab strain constructed from Robert Mortimer
<b>Y10</b>	<b>4118</b>	2656	Philippine coconut isolate
<b>Y55</b>	<b>198</b>	5330	Lab strain originally isolated from wine grapes in France by O. Winge
<b>YJM269</b>	<b>1179</b>	5396	Austrian Blauer Portugieser wine grape isolate
<b>YJM339</b>	<b>554</b>	5317	Clinical isolate
<b>YJM789</b>	<b>258</b>	6378	Haploid derivative of opportunistic human pathogen
<b>YPS128</b>	<b>670</b>	5241	Pennsylvania woodland isolate
<b>YPS163 (Stanford)</b>	<b>607</b>	5263	Pennsylvania woodland isolate
<b>YS9</b>	<b>851</b>	5271	Singapore baking strain
<b>ZTW1</b>	<b>33</b>	6306	Chinese corn mash bioethanol isolate