

Strain	Genotype	Source	Ploidy	Doubling time (h)	Volume (fL)	Relative Volume
BY4741 (n)	<i>MAT a, leu2Δ0, his3Δ1, met15Δ0, ura3Δ0</i>	Euroscarf	n	1.7	50 ± 4	1
PY4993 (2n)	<i>MAT a/α; ura3Δ0/ura3Δ0, leu2Δ0/leu2Δ0, his3Δ1/his3Δ1, met15Δ0/MET15, LYS2/lys2Δ0</i>	Pellman Lab	2n	1.7	78 ± 5	1.57
PY4997 (3n)	<i>MAT a/a/α; ura3Δ0/ura3Δ0/ura3Δ0, leu2Δ0/leu2Δ0/leu2Δ0, his3Δ1/his3Δ1/his3Δ1, met15Δ0/MET15/MET15/, lys2Δ0/lys2Δ0/LYS2</i>	Pellman Lab	3n	1.7	112 ± 8	2.26
PY4996 (4n)	<i>MAT a/a/α/α;;ura3Δ0/ura3Δ0/ura3Δ0/ura3Δ0, leu2Δ0/leu2Δ0/leu2Δ0/leu2Δ0, his3Δ1/his3Δ1/his3Δ1/his3Δ1, met15Δ0/met15Δ0/MET15/MET15/, lys2Δ0/lys2Δ0/LYS2/LYS2</i>	Pellman Lab	4n	1.7	140 ± 10	2.83
JCY0704	BY4741 <i>whi5::LEU2</i>	JC Igual Lab	n	1.9	38 ± 3	0.76
BQS2006 (Euroscarf <i>cln3Δ</i>)	Haploid strain derived from Y30366 diploid (Euroscarf). <i>MAT?</i> ; <i>ura3Δ, leu2Δ, HIS3, MET15, lys2Δ, cln3::KanMX4</i>	our lab	n	1.9	83 ± 10	1.68
BQS278	BY4741 <i>sir2::KanMX4</i>	our lab	n	nd	nd	nd
NOY408-1b	<i>MAT a ade2-1 ura3-1 his3-11 trp1-1 leu2-3, 112 can1-100 pNOY102</i>	Kobayasi Lab	n	2	43.7 ± 9	1.02*

*Relative volume values were obtained by considering BY4741 volume when growing in YPGal. Rest of volumes obtained from growth in YPD exponential phase. n.d. not determined

Supplementary Table 1