

TABLE 2. *Amino-acid pools in S. cerevisiae*

Ploidy	Unlimited growth			Carbon-limited growth		
	Tryptophan (mmol/10 <sup>8</sup> cells, ± SEM)	Arginine (mmol/10 <sup>8</sup> cells, ± SEM)	Mean cell volume (μm <sup>3</sup> )	Tryptophan (mmol/10 <sup>8</sup> cells, ± SEM)	Arginine (mmol/10 <sup>8</sup> cells, ± SEM)	Mean cell volume (μm <sup>3</sup> )
Haploid	1.138 ± 0.046	182 ± 6	66.9 ± 1.8	0.994 ± 0.037	12.44 ± 0.54	43.96 ± 2.44*
Diploid	1.594 ± 0.077	258 ± 12	105.0 ± 2.4	0.961 ± 0.046	12.45 ± 1.20	41.56 ± 2.53†
Diploid/haploid	1.40	1.43	1.57	0.97	1.00	0.95

\* XC500B only.

† SCD3-1 only.