

Table 4. Summary of average macromolecular composition, based on mass fraction of dry biomass, for *E. coli*, *Synechococcus* 7002, and *A. acidocaldarius*; standard deviations are included in parentheses. Column *N* contains the scaled biomass composition, normalized to the sum of the measurements.

Macromolecule	<i>E. coli</i>	N	<i>Synechococcus</i> 7002	N	<i>A. acidocaldarius</i>	N
Carbohydrate	4.2 (0.2)	6.5	16.9 (0.1)	27.2	6.2 (0.6)	9.5
DNA	1.0 (0.1)	1.6	0.4 (0.0)	0.6	0.7 (0.1)	1.1
Lipid	6.7 (0.6)	10.4	9.0 (0.6)	14.5	3.4 (0.3)	5.2
Protein	35.2 (1.3)	54.7	27.2 (1.5)	43.7	38.5 (2.2)	59.0
RNA	17.2 (0.5)	26.7	8.7 (0.6)	14.0	16.4 (0.5)	25.2
Total	64.3	99.9	62.2	100	65.2	100