

Table 6. Species-specific biomass reactions for *E. coli*, *Synechococcus* 7002, and *A. acidocaldarius*, without consideration of maintenance energy. Molar coefficients represent 100 kg dry biomass.

| Species | Biomass Reaction |
|---------------------------|---|
| <i>E. coli</i> | 5.05 DNA + 8.40 RNA + 5.02 Protein + 13.9 Lipid + 4.03 Glycogen = 1 Biomass |
| <i>Synechococcus</i> 7002 | 2.09 DNA + 4.40 RNA + 4.05 Protein + 18.5 Lipid + 16.8 Glycogen = 1 Biomass |
| <i>A. acidocaldarius</i> | 3.49 DNA + 7.91 RNA + 5.46 Protein + 6.67 Lipid + 5.86 Glycogen = 1 Biomass |