Table S2. Cell composition values used in simulations. The fractional (w/w) dry content values are derived from literature and the fractional water content values are derived from experiments in this paper.

Species name	***Dry content***				***Water*** (v/v total)	***Ref.***
	Protein (w/w dry)	***Lipid*** (w/w dry)	***Carbohydrate*** (w/w dry)	***Other*** (w/w dry)		
Dunaliella tertiolecta	49%	17%	17%	18%	52.6%	[1–3]
Chaetoceros calcitrans	29%	13%	18%	40%	80.9%	[4,5]
Phaeodactylum tricornutum	45%	9%	18%	29%	67.1%	[6,7]
Generic	45%	15%	20%	20%	66.7%	

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