

TABLE I

EFFECT OF GROWTH IRRADIANCE LEVEL ON THE STOICHIOMETRY OF PHOTOSYNTHETIC ELECTRON-TRANSPORT COMPONENTS IN *DUNALIELLA TERTIOLECTA*

Cyt, cytochrome.

Growth irradiance ($\mu\text{mol quanta per m}^2 \text{ per s}$)	Cellular concentration ($\times 10^{-19}$ mol or $6 \cdot 10^5$ molecules)					Molar ratio				
	RC II	PQ	Cyt <i>f</i>	RC I	Rubisco	RC II:PQ:Cyt <i>f</i> :RC I:Rubisco				
80	29.0	915	48.7	40.0	34.0	1:	32:	1.7:	1.4:	1.2
200	19.2	670	34.4	33.3	33.8	1:	35:	1.8:	1.7:	1.8
700	13.4	540	17.6	17.5	34.6	1:	40:	1.3:	1.3:	2.6
1200	10.2	—	16.9	12.0	29.0	1:	—:	1.7:	1.2:	2.8
1900	6.9	233	12.1	9.2	31.6	1:	34:	1.8:	1.3:	4.6