Electronic Supplementary Material (ESI) for Photochemical & Photobiological Sciences. This journal is © The Royal Society of Chemistry and Owner Societies 2014

**Table-1S.** Measured pH values and partial pressure of  $CO_2$  (pCO<sub>2</sub>, ppmv) of *Dunaliella tertiolecta* cultures under the different PAR+UVR and  $CO_2$  treatments. LC: low  $CO_2$  (390 ppmv in the air bubbling system); HC: high  $CO_2$  (1000 ppmv in the air bubbling system). Data are means of two independent cylinders  $\pm$  standard deviation). See text for details.

	рН		pCO <sub>2</sub>	
	LC	НС	LC	нс
T <sub>ini</sub>	8.11 ± 0.00	7.70 ± 0.00	325 ± 7	956 ± 17
I1100	8.02 ± 0.13	7.83 ± 0.01	432 ± 146	687 ± 13
1800	8.33 ± 0.00	7.92 ± 0.04	175 ± 7	551 ± 61
1400	8.39 ± 0.04	8.12 ± 0.05	146 ± 6	318 ± 44
1200	8.30 ± 0.01	8.10 ± 0.06	189 ± 4	337 ± 59