

Table S1. Growth rate and doubling time in control and in sodium bicarbonate enriched cultures. Values are means (n=3) $\pm$ standard deviation. The superscript letters indicate the statistical significance: identical letters identify means that are not significantly different; different letters identify statistically different means ($P \leq 0.05$).

	Control	1 g L ⁻¹	2 g L ⁻¹	3 g L ⁻¹
Growth Rate (d⁻¹)	0.23 $\pm$ 0.04 ^A	0.12 $\pm$ 0.06 ^{AB}	0.18 $\pm$ 0.08 ^A	0.32 $\pm$ 0.03 ^{AC}
Doubling Time (d)	0.30 $\pm$ 0.04 ^A	0.16 $\pm$ 0.08 ^{ABD}	0.24 $\pm$ 0.09 ^{AC}	0.40 $\pm$ 0.03 ^{AE}

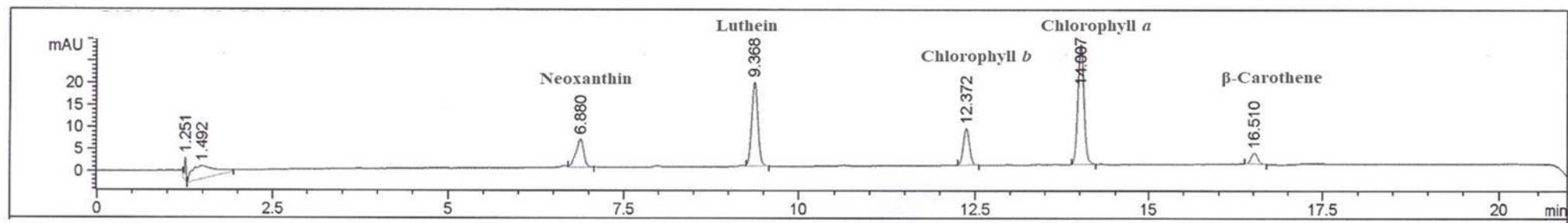


Figure S1. Pigment composition of *Chlorella sorokiniana*. Chromatogram in absorbance of eluted pigments.

Table S2. Time course of changes in pigments:chlorophyll *a* ratio in control and in sodium bicarbonate enriched cultures.

	Neoxanthin:Chl- <i>a</i>	Lutein:Chl- <i>a</i>	Chl- <i>b</i> :Chl- <i>a</i>	β-carotene:Chl- <i>a</i>
Control				
0 h	0.081	0.180	0.436	0.034
24	0.074	0.171	0.430	0.038
72 h	0.108	0.226	0,479	0.045
1 g L⁻¹				
0 h	0.081	0.180	0.436	0.034
24	0.078	0.162	0.421	0.049
72 h	0.101	0.224	0.505	0.035
2 g L⁻¹				
0 h	0.081	0.180	0.436	0.034
24	0.084	0.182	0.410	0.057
72 h	0.088	0.220	0.445	0.034
3 g L⁻¹				
0 h	0.081	0.180	0.436	0.034
24	0.072	0.193	0.433	0.043
72 h	0.095	0.246	0.450	0.038