

Organism	Strain	0 S _A			30 S _A		
		Sorbitol	Sucrose	Total	Sorbitol	Sucrose	Total
<i>Desmococcus olivaceus</i>	SAG 1.92	322	28	349	48	-	48*
<i>Deuterostichococcus marinus</i>	J1303	116	106	222	93	135	228
<i>Deuterostichococcus tetrallantoideus</i>	ASIB-IB-37	28	44	72	89	45	134
<i>Diplosphaera epiphytica</i>	SAG 11.88	376	69	445	200	57	257*
<i>Protostichococcus edaphicus</i>	SAG 2481	230	74	303	331	34	365
<i>Pseudostichococcus monallantoides</i>	SAG 380-1	89	9	97	240	18	258
<i>Stichococcus sequoieti</i>	LB 1820	242	111	353	120	74	362
<i>Stichococcus undulatus</i>	CALU-1142	295	126	421	311	57	285*
<i>Stichococcus bacillaris</i>	CCAP 379/1A	151	121	273	288	33	153*
<i>Stichococcus bacillaris</i>	SAG 56.91	200	127	327	228	56	367
<i>Tetrastichococcus jenerensis</i>	J1302	74	17	91	129	34	163
<i>Tritostichococcus solitus</i>	SAG 2406	81	18	99	215	12	227

Tab. S1. Absolute concentrations of sorbitol and sucrose measured in cellular extracts of the strains after growth in 0 S_A and 30 S_A via HPLC

analysis. Totals_{30 S_A} marked with a “*” indicate a net decrease in osmolyte concentration compared to Totals_{0 S_A}. Values are expressed in $\mu\text{mol} \cdot \text{g}^{-1}$

¹ algal dry weight.