

Table S3. Statistical analysis of the effects of temperature on the metabolic rates of seagrass meadows in the Red Sea (presented in Fig. 3). GPP, R, and NCP indicate gross primary production, respiration and net community production while GPP/R indicates the tendency of the meadows towards being more autotrophic/heterotrophic (in terms of carbon fluxes).

~temperature	<i>Halodule uninervis</i>			<i>Halophila ovalis</i>			<i>Halophila stipulacea</i>		<i>Thalassia hemprichii</i>	
	R^2	<i>p</i> -value	T_{opt}	R^2	<i>p</i> -value	T_{opt}	R^2	T_{opt}	R^2	T_{opt}
GPP	0.816	0.013	>31.5	0.867	0.021	>32	0.374	30.59	0.119	30.89
R	0.607	0.067		0.656	0.096		0.583	29.71	0.099	29.78
NCP	0.8	0.016	>31.5	0.813	0.036	>32	0.439	29.88	0.06	30.78
GPP/R	0.046	0.677		0.001	0.956		0.305		0.001	