

Parameter	Definition	Value
m_i	Body mass of species i	1 for algae, median biomass of species in the cluster otherwise (see values in the text above the table)
r_i	intrinsic growth rate of primary producer i ($r_i > 0$ for primary producers only)	$m_i^{-0.25}$ for plants, 0 otherwise
K_i	carrying capacity of species i	1 [6,9]
e	conversion efficiency	0.85 [9]
x_i	metabolic rate of species i	0.138 for primary producers [6] otherwise : $x_0 * m_i^{-0.25}$ with $x_0 = 0.2227$ [5] for Fig. 3 and x_0 varies between 0.1 and 0.5 for Fig. S8 [2,5,6].
w_i	relative consumption rate of species i	$1/(\text{number of resources of species } i)$
b_{ij}	attack rate of predator i on prey j	$x_i * y / B_0$ with x_i the metabolic rate, y the maximum consumption rate ($y=10$ for Fig. 3 [10] and y varies between 5 and 14 for Fig. S8 [2,3,5,6]), $B_0=0.5$ [6,7,9,10] the half-saturation density
h_i	handling time of predator i	$1/(y * x_i)$ with $y = 10$ [10] and x_i the metabolic rate
$1+q$	Hill exponent	2 (type III functional response)
q	Hill coefficient	1
INTPOS	intensity of positive non-trophic interactions	1 in Fig. 3, varies between 0 and 1 in Fig. S8
INTNEG	intensity of negative non-trophic interactions	0.2 in Fig. 3, varies between 0 and 1 in Fig. S8
c_{ij}	intensity of competition from i to j	INTNEG
d_{ij}	interference from predator i on predator j	INTNEG
$r_{\max i}$	maximum growth rate of spe-	$(1+\text{INTPOS}) * r_i$

	cies i reached in the presence of facilitators	
\mathbf{b}_{minij}	Minimum attack rate of predator i on prey j reached in the presence of facilitators of the prey j	$b_{ij}/(1+INTPOS)$
\mathbf{x}_{mini}	minimum mortality reached in the presence of facilitators	$X_{ij}/(1+INTPOS)$
\mathbf{x}_{maxi}	maximum mortality reached in the presence of competitors.	$(1+INTNEG)*x_i$