

Competition	Run name	Description
1	GROWTH	Set $\mu_{\max}^C$ to $\mu_{\max}^D$
2	ALPHA <sub>PI</sub>	Set $\alpha_{PI}^C$ to $\alpha_{PI}^D$
3	Q10	Set $Q_{10}^C$ to $Q_{10}^D$
4	GRAZING	Set $\gamma_{\max}^C$ and $z_{grz}^C$ to $\gamma_{\max}^D$ and $z_{grz}^D$
5	IRON	Set $k_{Fe}^C$ to $k_{Fe}^D$
6	SILICATE	Limit coccolithophore growth by silicic acid by using $k_{SiO_3}^D$
7	NITRATE	Set $k_{NO_3}^C$ and $k_{NH_4}^C$ to $k_{NO_3}^D$ and $k_{NH_4}^D$
8	PHOSPHATE	Set $k_{PO_4}^C$ and $k_{DOP}^C$ to $k_{PO_4}^D$ and $k_{DOP}^D$
9	NUTRIENTS	Set all $k_{Nutrient}^C$ to $k_{Nutrient}^D$
Biases	Run name	Description
10	TEMP	Reduce temperature in BEC subroutine by 1 ° C everywhere
11	MLD	Reduce incoming PAR in BEC subroutine by -20 % everywhere
Grazing	Run name	Description
12	HOLLING_III	Instead of Eq. (5), use $\gamma_g^i = \gamma_{\max}^i \cdot f^Z(T) \cdot Z \cdot \frac{P^{i,i} \cdot P^{i,i}}{z_{grz}^i \cdot z_{grz}^i + P^{i,i} \cdot P^{i,i}}$
13	ACTIVE_SWITCHING	Instead of Eq. (5), use $\gamma_g^i = \gamma_{\max}^i \cdot f^Z(T) \cdot Z \cdot \frac{P^{i,i}}{\sum_{j=1}^4 P^{i,j}} \cdot \frac{P^{i,i}}{z_{grz}^i + P^{i,i}}$
14	HOLLINGII_SUM_P	Instead of Eq. (5), use $\gamma_g^i = \gamma_{\max}^i \cdot f^Z(T) \cdot Z \cdot \frac{P^{i,i}}{z_{grz}^i + \sum_{j=1}^4 P^{i,j}}$