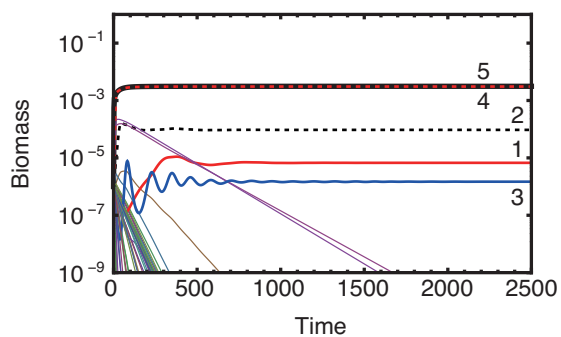


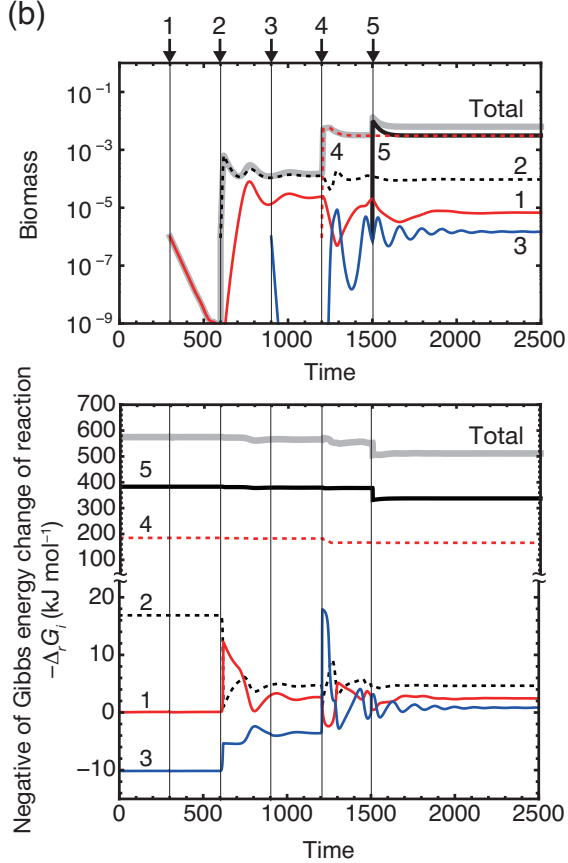
Extended Data Figure 1

(a)

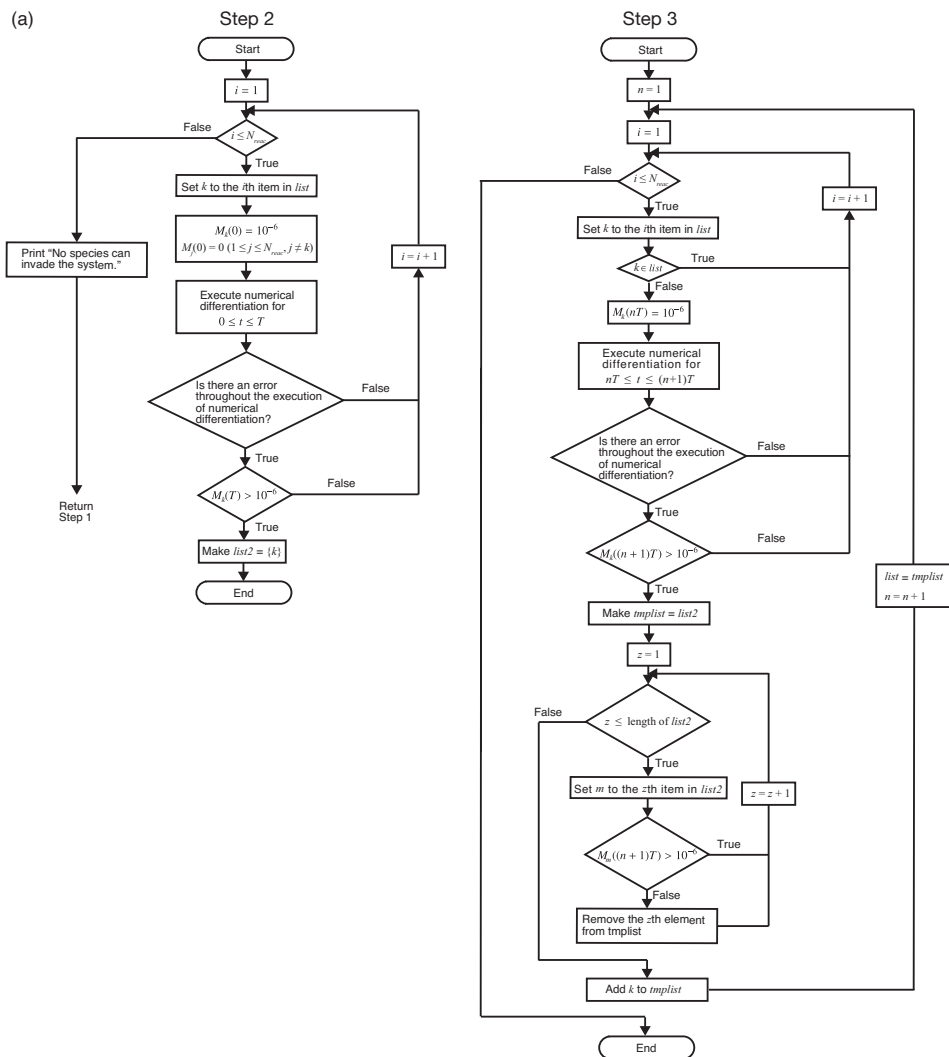


1. $A_3 + C_2 \rightarrow A_2 + C_3$	$-\Delta_r G_1^\circ = 0.11$	$\rightarrow$
2. $A_2 + 0.5C_1 \rightarrow A_1 + 0.5C_3$	$-\Delta_r G_2^\circ = 16.87$	$\rightarrow$
3. $A_1 + 2C_2 \rightarrow A_3 + 2C_1$	$-\Delta_r G_3^\circ = -10.14$	$\rightarrow$
4. $B_3 + 0.5C_1 \rightarrow B_2 + 0.5C_3$	$-\Delta_r G_4^\circ = 184.97$	$\rightarrow$
5. $A_3 + 2B_1 \rightarrow A_1 + 2B_2$	$-\Delta_r G_5^\circ = 382.97$	$\rightarrow$

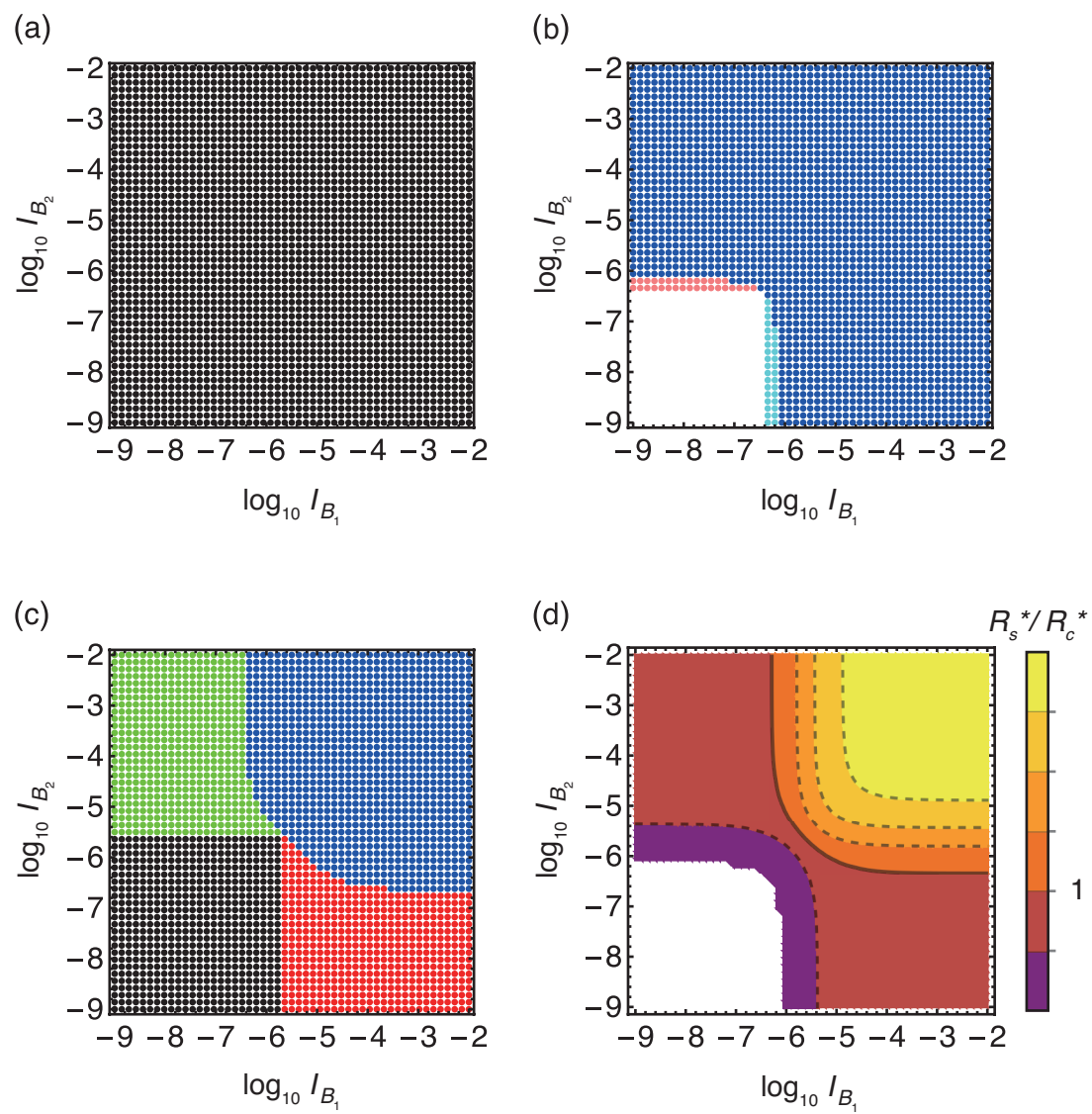
(b)



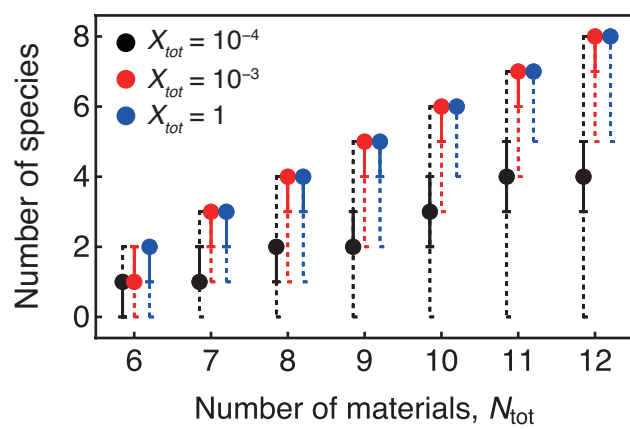
Extended Data Figure 2



Extended Data Figure 3



Extended Data Figure 4



Extended Data Figure 5

