S1_Table Settings of the ComGen package used to generate virtual community structures

for the analysis

Setting ID	Community type 1	Community type 2	Community type 3
	(Figs 2a,b and Fig. 3)	(Fig2 c,d and Fig. 4)	(Figs 2e,f and Fig. 5)
Number of grid	1000	1000	1000
cells			
Number of species	1000	1000	1000
Type of rank-	log-linear (maximal	log-normal	extracted from
abundance	abundance = 100,	(mean = 3.0, SD =	actual distribution
pattern	slope = 0.005)	0.8)	data (freshwater
			mollusks)
Type of richness	log-linear (slope	log-linear (slope	extracted from
pattern	determined such	was determined	actual distribution
	that the ratio of	such that the ratio	data (freshwater
	maximum and	of maximum and	mollusks)
	minimum richness	minimum richness	
	was 2)	was 2)	