

Table S3. Bray-Curtis similarities for intestine samples calculated on R with Vegan Package.

	FW	10PSU-GSC	20PSU-GSC	32PSU-GSC	32PSU-SS
10PSU-GSC	0.9122202				
20PSU-GSC	0.8767837	0.6564537			
32PSU-GSC	0.6864566	0.9405967	0.8746218		
32PSU-SS	0.8784126	0.9771927	0.9612655	0.6726891	
32PSU-FD	0.8491341	0.9768470	0.9432824	0.7866374	0.7323160

FW: Freshwater previous treatment group, GSC: gradual salinity change at 10 PSU, 20 PSU, and 32 PSU groups; 32PSU-SS Salinity shock at 32-PSU group; 32PSU-FD: Salinity shock at 32 PSU group previously feeding with a functional diet.