

Table S1. Sequencing data report

PycoQC sequencing report					
Run	Reads	Pass reads	Bases	N50 length	Med Read Quality
Run1	1.057.010	572.635	233.406.176	477	8,15
Run2	3.687.103	2.513.372	1.100.488.945	434	8,76
Run3	4.077.332	2.781.903	1.220.612.486	444	8,99
Total	8.821.445	5.867.910	2.554.507.607		
Classification report by treatment					
	Pass Porechop	Pass NanoCLUST	Pass NanoCLUST classification		
Mock	723.496	13.162	11.527		
FW	406.455	5.139	4.920		
10 PSU-GSC	198.492	38.488	30.835		
20 PSU-GSC	150.384	49.368	35.524		
32 PSU-GSC	393.174	8.163	5.594		
32 PSU-FD	553.295	2.180	2.051		
32 PSUSS	285.080	3.047	2.709		
Total	2.710.376	119.547	93.160		

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.