

Supplementary Materials: The following are available online at www.mdpi.com/xxx/s1, Figure S1: Heatmap clustered by rows showing the DESeq2 normalized abundance of the top twenty most abundant bacterial genus for both high and low (based on mean values) *C. irritans* abundance (eDNA) between January and August 2020 from a marine sea cage fish farm from Hong Kong, Table S1: Synthetic sequence of the positive control targeting 18S SSU-rDNA gene from *C. irritans* for quantitative PCR and droplet digital PCR.

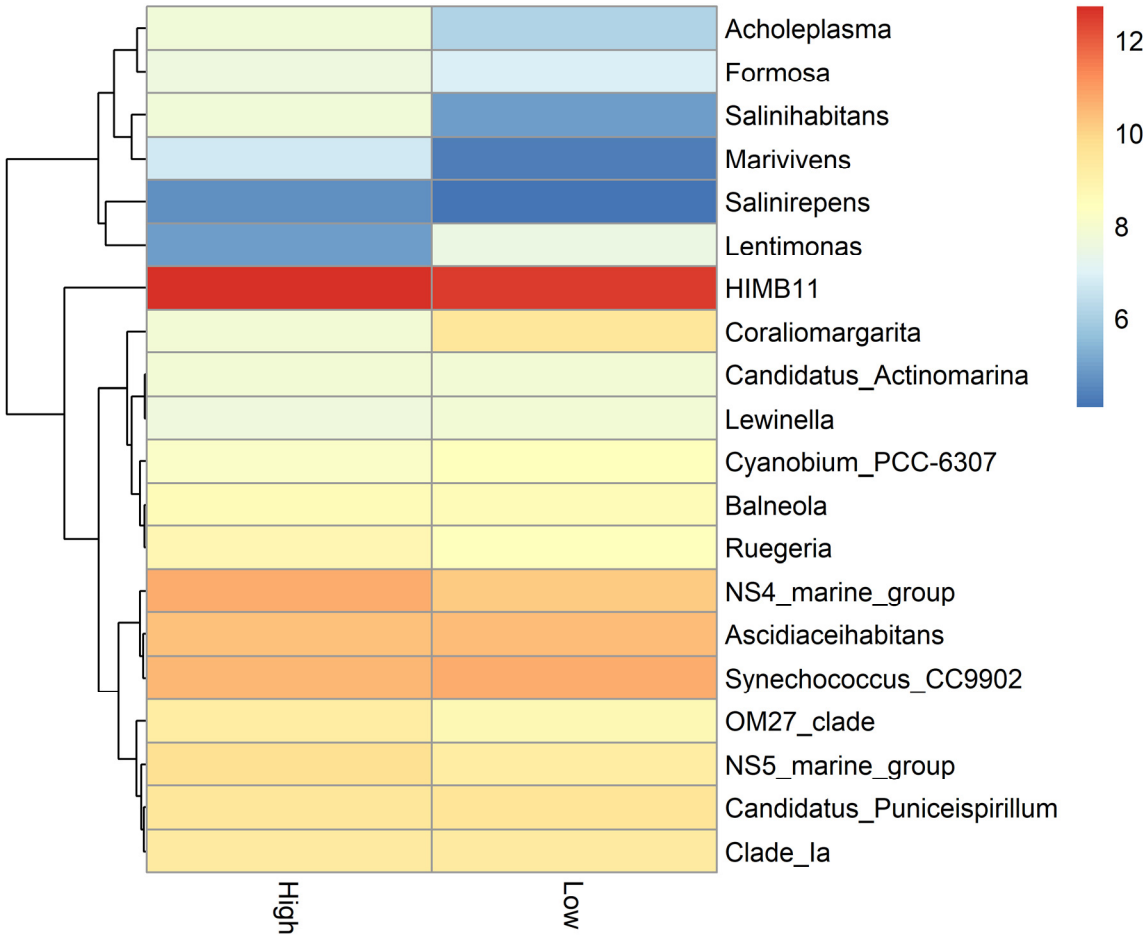


Figure S1. Heatmap clustered by rows showing the DESeq2 normalized abundance of the top twenty most abundant bacterial genus for both high and low (based on mean values) *Cryptocaryon irritans* abundance (eDNA) between January and August 2020 from a marine sea cage fish farm from Hong Kong.

Table S1. Synthetic sequence of the positive control targeting 18S SSU-rDNA gene from *Cryptocaryon irritans* for quantitative PCR and droplet digital PCR.

Positive control	Synthetic sequence 5' → 3'	Length (bp)	Mass (mg)	Copy number/μL
Pos_control <i>C. irritans</i>	GCTTGTA	111	0.06	5.85 x 10 ¹³
	CTGATTACGTC			
	CCCTTTGTACACACCGCCCGTC			
	GCTCCTACCGATTTCGAGTGAT			
	CCGGTGAACCTTCTGGACTGCG			
	CTAACACTAGTTAGTGC			
	CGGGAAG			