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Supplementary files

Figure S1. Increase of microalgae addition for water quality control: (a) pH value; (b) DO content. (Stocking densities in Aquaculture 1, 2 and 3 are 0.0050, 0.0025, and 0.0010 g/fish, respectively)

Figure S2. Evolutionary tree of dominant bacteria in samples collected from aquaculture systems

Table S1. Numerical values for the parameters of aquaculture (6-day culture)

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	fish/100	COD		TN		TAN		DO content	
_	mL	T a	A ^b	Т	Α	Т	Α	Т	Α
	2	个85	个34	个22.6	个5.8	个15.8	个2.1	个0.04	个2.40
	4	个121	个51	个30.0	↑6.1	个20.5	↑4.2	↓1.13	1.41
	6	个147	个91	个35.3	个17.9	个28.6	个9.9	↓2.69	个0.41
	8	个221	个99	个47.0	个22.8	个37.8	个11.5	↓ 4.80	↓1.06
	10	个342	个109	个68.1	个26.0	个45.8	个13.8	↓ 5.10	↓2.28

^a "T" refers to the aquaculture added with traditional fish feed (Figure 1)

Table S2. Number of sequences and OTU in samples

	Number of sequences	Number of OTU			
Sample 1	64125	354			
Sample 2	10680	325			
Total	74805	679			

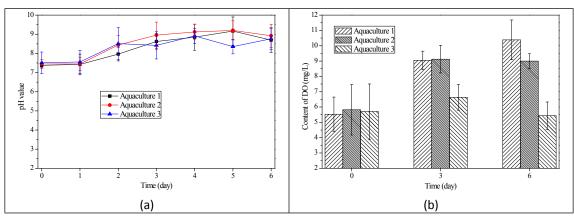


Figure S1

^b "A" refers to the aquaculture added with algae (Figure 2)

Tree Count

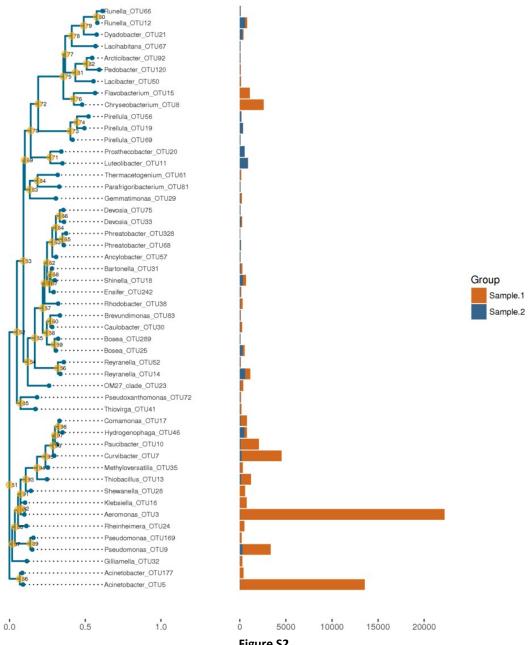


Figure S2