Supplementary Material

Table S1 Multiple comparison of treatments by means of Student-Newman-Keuls post-hoc testing. In each column, different characters indicate significant difference at 0.05 level.

treatment	MOP		*pmoA* abundance		transcript abundance	
	Day 1	Day 14	Day 7	Day 14	Day 1	Day 7
A	a	b	b	ab	d	b
B	a	ab	b	b	c	b
C	a	b	b	b	a	b
D	a	b	b	b	b	b
E	a	ab	b	b	b	b
F	b	a	a	a	b	a

Fig. S1. Change of ammonium concentration of pore water in the microcosms with different treatments
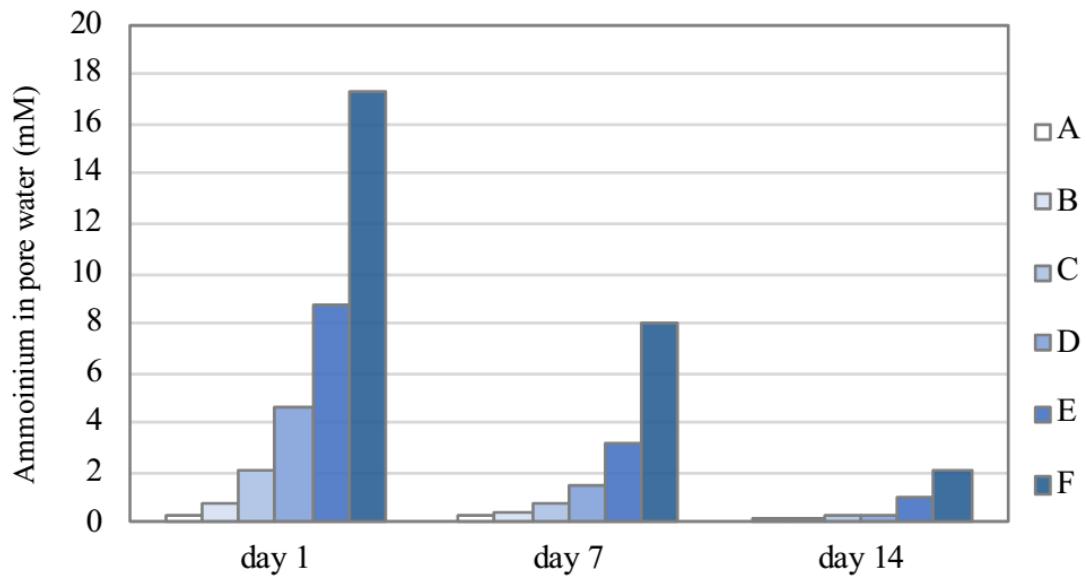
Fig. S2. The ratio of transcripts to *pmoA* gene in the microcosms with different

treatments