

Supplemental Materials

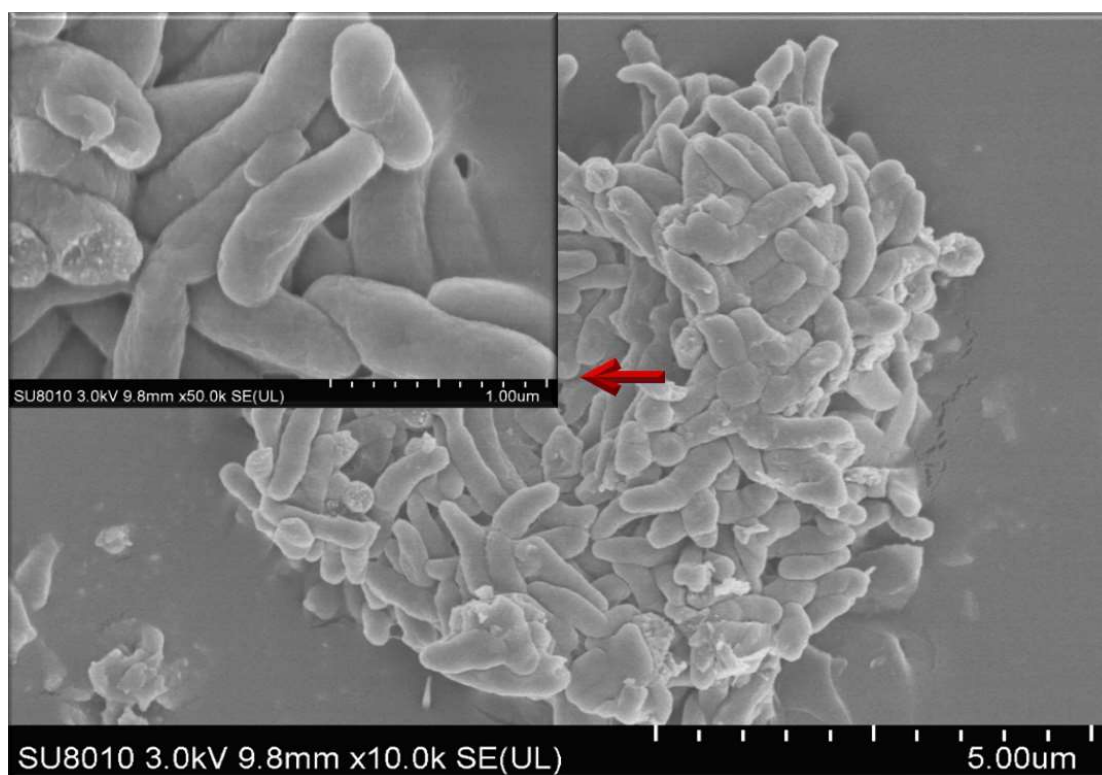


Figure S1. Scanning electron microscope micrograph of *Marinobacter hydrocarbonoclasticus* strain RAD-2

Table S1 PCR primers used of *16s rRNA*, *napA*, *nirS*, *norB* and *nosZ* for strain RAD-2

Gene	Primer	Primer sequences (5'-3')	References
V3 region of 16s rRNA	F341	CCTACGGGAGGCAGCAG	(Muyzer et al., 1993)
	R518	ATTACCGCGGCTGCTGG	
napA	napA F2	AACTGCCATCTGGCTACTGG	This study
	napA R2	AACAGGTCCACCGCTTTATG	
nirS	nirS cd3aF	GTSAACGTSAAGGARACSGG	(Throback et al., 2004)
	nirS R3cd	GASTTCGGRTGSGTCTTGA	
norB	norB Z1F	CGTCGGTCAGATCCTCTTCG	(Zheng et al., 2014)
	norB Z1R	GCGATGATCACGTAGAGCCA	
nosZ	nosZ 1527F	CGCTGTTCHTCGACAGYCA	(Throback et al., 2004)
	nosZ 1773R	ATRTCGATCARCTGBTCGTT	