

Table S3. Estimates of 16S rRNA gene copies using bacterial-archaeal primers S-D-Arch-0519-a-S-15 and S-D-Bact-0785-b-A-18 (Klindworth et al., 2012). R1, R2: petro F76; R3, R4: FT-F76; R5, R6: 1:1 mix of petro- and FT-F76; R7, R8: no added fuel. “-ph1”: Water samples taken day 400 after inoculation, immediately prior the addition of sediment. “-ph2”: Water samples taken day 764 after inoculation. Coupon and Sediment samples were taken 764 days after inoculation. *: added sediment was not treated by autoclaving. NT: not tested. See materials and methods for more information.

Reactor	Water-ph1 (#/mL)		Water-ph2 (#/mL)		Coupon (#/g)		Sediment (#/g)	
	Avg	± 1 STD	Avg	± 1 STD	AVG	± 1 STD	Avg	± 1 STD
R1* petro-F76	2.09×10^3	7.82×10^2	2.75×10^4	2.45×10^3	1.50×10^6	8.79×10^4	8.13×10^5	3.25×10^5
R2 petro-F76	2.60×10^5	1.76×10^4	2.02×10^5	1.27×10^4	4.77×10^5	5.90×10^4	1.58×10^5	2.60×10^4
R3* FT-F76	6.78×10^4	6.24×10^3	9.82×10^4	5.23×10^3	2.61×10^6	2.15×10^5	2.18×10^6	1.11×10^6
R4 FT-F76	6.26×10^3	8.11×10^2	1.48×10^5	3.41×10^3	1.80×10^6	6.63×10^5	2.13×10^6	1.48×10^5
R5* fuel mix	1.59×10^4	7.00×10^3	2.23×10^5	1.69×10^4	3.09×10^6	1.99×10^5	2.38×10^6	7.03×10^5
R6 fuel mix	1.83×10^5	6.01×10^4	1.61×10^5	9.86×10^3	2.98×10^5	1.01×10^5	1.28×10^6	1.24×10^5
R7* no fuel	6.98×10^4	2.51×10^4	1.76×10^5	5.50×10^4	7.87×10^6	3.23×10^6	NT	NT
R8 no fuel	1.80×10^5	2.48×10^4	3.72×10^4	7.68×10^3	1.97×10^6	3.53×10^5	5.16×10^6	2.55×10^5