

Additional file 2

Table 1. Median of the COD utilization and methane production during Experiments 1 and 2.

Experiments	COD reduction [%]				Methane Production [dm ³ /g COD reduced]			
	M1	M2	M3	M4	M1	M2	M3	M4
Experiment 1	75.5	68.1	69.3	74.5	0.44	0.59	0.43	0.45
Experiment 2	80.3	62.9	69.1	82.1	0.50	0.45	0.43	0.37

Table 2. The level of statistical significance for differences in median (MWt) and distributions (KSt) between the bioreactors performance over time during Experiments 1 and 2.

test	COD reduction [%]						Methane Production [dm ³ /g COD reduced]					
	M1/M2 p	M1/M3 p	M1/M4 p	M2/M3 p	M2/M4 p	M3/M4 p	M1/M2 p	M1/M3 p	M1/M4 p	M2/M3 p	M2/M4 p	M3/M4 p
Experiment 1												
MWt	0.119	0.167	0.799	0.221	0.005	0.013	0.026	0.699	0.589	0.015	0.002	0.310
KSt	0.139	0.139	0.893	0.441	0.005	0.031	0.031	0.893	0.893	0.031	0.005	0.441
Experiment 2												
MWt	0.000	0.000	0.570	0.025	0.000	0.001	0.157	0.057	0.009	0.448	0.064	0.336
KSt	0.000	0.000	1.00	0.015	0.001	0.001	0.291	0.125	0.015	0.570	0.046	0.125

MWt – Mann-Whitney test, KSt – Kolmogorov-Smirnov test, p – level of statistical significance, bolded in read – statistically significant at ≤ 0.05