Table S2. Results of pairwise *post-hoc* comparisons by Tukey's HSD tests for bacterial abundance, individual cell size (ICS), biovolume (BV), bacterial productivity (BP) and specific bacterial productivity (SBP) and by the multivariate version of the *t*-statistic for active bacterial community composition (ABCC).

Bacterial abundance (BA)

Experiment 1

Q\p		F		S	
		f	S	f	s
F	f		0.0448	0.0017	0.006
-	s	4.612		0.0001	0.0001
s	f	13.018	17.63		0.0536
3	s	9.763	14.375	3.255	

Experiment 2

Q\p		F-s		S	
		f	S	f	S
F-s	f		0.0003	0.0001	0.0008
Г-5	s	21.161		0.0001	0.0001
S-f	f	22.477	43.638		0.0004
3- 1	s	11.499	32.660	10.977	

Individual cell size (ICS)

Experiment 1

F		S	
f	S	f	s
	0.1865	0.083	0.0024
1.760		0.3399	0.003
2.843	1.073		0.0056
11.861	10.091	9.018	
	2.843	0.1865 1.760 2.843 1.073	0.1865 0.083 1.760 0.3399 2.843 1.073

Experiment 2

Q\p		F-s		S	
		f	S	f	s
F-s	f		0.5704	0.0011	0.0001
Г-5	s	0.480		0.0016	0.0001
C t	f	8.986	9.465		0.0011
S-f	s	24.434	24.913	15.448	

Biovolume (BV)

Experiment 1

Q\p		F		S	
		f	S	f	s
F	f		0.0439	0.1536	0.0712
Г	s	3.266		0.0034	0.519
s	f	2.020	5.296		0.0175
3	s	4.420	1.153	6.450	

Experiment 2

Q\p		F-s		S	
		f	S	f	S
F-s	f		0.0372	0.0682	0.057
Γ-5	s	6.095		0.0002	0.0402
S-f	f	4.916	1.179		0.2123
3-1	s	5.293	0.802	0.377	

Bacterial production (BP)

Experiment 1

Q\p		F		S	
		f	s	f	s
F	f		0.0372	0.0682	0.057
-	s	6.095		0.0002	0.0402
s	f	4.916	1.179		0.2123
3	s	5.293	0.802	0.377	

Experiment 2

Oln		F-s		S	
Q\p		f	s	f	s
E o	f		0.85	0.0201	0.0454
F-s	s	0.081		0.0133	0.0429
S-f	f	1.891	1.972		0.1323
3-1	s	5.587	5.668	3.696	

Specific bacterial production (SBP)

Experiment 1

Q\p		F		S	
		f	S	f	S
F	f		0.009	0.0679	0.0124
Г	s	8.776		0.005	0.1166
s	f	4.900	3.876		0.0138
3	s	8.114	0.662	3.214	

Experiment 2

Q\p		F-s		S	
		f	S	f	s
F-s	f		0.1418	0.0008	0.0518
Г-5	s	1.482		0.0002	0.0185
c ŧ	f	9.689	11.171		0.0625
S-f	s	5.005	6.487	4.684	

Active bacterial community composition (ABCC)

Experiment 1

	*	F	F		S	
t\p		f	s	f	s	
F	f		0.0232	0.0025		
-	s	2.151			0.0007	
s	f	3.797			0.0308	
3	s		6.698	2.143		

Experiment 2

t\p [*]		F-s		S-f	
		f	s	f	s
F-s	f		0.0416	0.0033	
Г-5	S	2.141			0.0514
S-f	f	3.485			0.1879
	s		1.821	1.389	

^{*} *p*-values stand for Monte Carlo corrected *p*-values.