

Table S10. Significant correlation values. Correlation values (Spearman's rho) corresponding to the correlation maps in Figure 5 with only the significant (*P*-value after Benjamini-Hochberg correction <0.05) correlations shown for each parameter and time point. A moving window approach was used for the analysis with 20 time points as the window size. Phases (P1: day 1-180, P2: day 183-232, P3: day 234-281, P4: day 284-414, P5: day 416-470, P6: day 472-526) can be differentiated by the alternating grey/white background coloring.

Time range	Biogas amount							Biogas productivity							Acetate							Propionate							Glyoxylate						
	G3	G6	G2	G1	G26	G8	G25	G3	G6	G2	G1	G26	G8	G25	G3	G6	G2	G1	G26	G8	G25	G3	G6	G2	G1	G26	G8	G25	G3	G6	G2	G1	G26	G8	G25
1 - 74																				-0.64							-0.60						0.45	0.50	
2 - 79																				-0.60							-0.60								
3 - 80																				-0.54							-0.54								
4 - 81																											-0.46								
5 - 82																																			
29 - 87				0.48							0.48																								
30 - 89						0.49							0.49																						
31 - 92				0.49		0.60					0.49		0.60																						
32 - 93				0.53		0.60					0.53		0.60																						
33 - 94				0.51		0.58					0.51		0.58																						
38 - 96				0.64							0.64																								
45 - 113				0.53							0.53																								
57 - 115				0.50							0.50																								
59 - 120				0.54							0.54																								
61 - 122				0.52							0.52																								
64 - 129																																			
66 - 131																																			
68 - 134				0.47																									-0.53	-0.56					
71 - 136							0.47																0.50						-0.55	-0.65	-0.57				
74 - 138							0.59							0.52								0.52	0.58	0.50					-0.53	-0.61	-0.62				-0.61
79 - 143							0.49															0.57	0.63							-0.54	-0.51				
80 - 145																						0.63	0.68					-0.56	-0.56	-0.55			0.53		
81 - 152																						0.62	0.69						-0.51	-0.51	-0.67				-0.50

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