

Table S1. Nearest sequenced taxon index (NSTI) scores from samples obtained during the sludge granulation process in a sequencing batch reactor against the KEGG database.

Day	Sample	NSTI value	Phase
0	T0.1	0.1337	Seed sludge
	T0.2	0.1333	
	T0.3	0.1295	
4	T1.1	0.0670	Acclimation
	T1.2	0.0645	
	T1.3	0.0554	
6	T2.1	0.1259	
	T2.2	0.1224	
	T2.3	0.1250	
8	T3.1	0.1584	
	T3.2	0.1457	
	T3.3	0.1518	
12	T4.1	0.0598	
	T4.2	0.0615	
	T4.3	0.0610	
13	T5.1	0.0621	Start of granulation
	T5.2	0.0646	
	T5.3	0.0505	
15	T6.1	0.0572	
	T6.2	0.0598	
	T6.3	0.0557	
18	T7.1	0.0509	
	T7.2	0.0556	
	T7.3	0.0584	
20	T8.1	0.0654	
	T8.2	0.0733	
	T8.3	0.0812	
22	T9.1	0.1072	
	T9.2	0.1094	
	T9.3	0.1051	
25	T10.1	0.0973	Mature granules
	T10.2	0.1000	
	T10.3	0.1051	
27	T11.1	0.1009	
	T11.2	0.1107	
	T11.3	0.1143	
29	T12.1	0.1106	
	T12.2	0.0959	
	T12.3	0.0894	

Table S1. Continued.

32	T13.1	0.0981		
	T13.2	0.0882		
	T13.3	0.0825		
34	T14.1	0.0930		
	T14.2	0.0975		
	T14.3	0.1045		
36	T15.1	0.0817		Fluffy granules
	T15.2	0.0861		
	T15.3	0.0950		
39	T16.1	0.0844		
	T16.2	0.0891		
	T16.3	0.0956		
41	T17.1	0.0847		
	T17.2	0.0863		
	T17.3	0.0837		
43	T18.1	0.0753		
	T18.2	0.0772		
	T18.3	0.0687		
46	T19.1	0.0789	Destabilization	
	T19.2	0.0787		
	T19.3	0.0782		
50	T20.1	0.0748		
	T20.2	0.0606		
	T20.3	0.0650		