



Supplementary Materials: Improvement of Atopic Dermatitis by Synbiotic Baths

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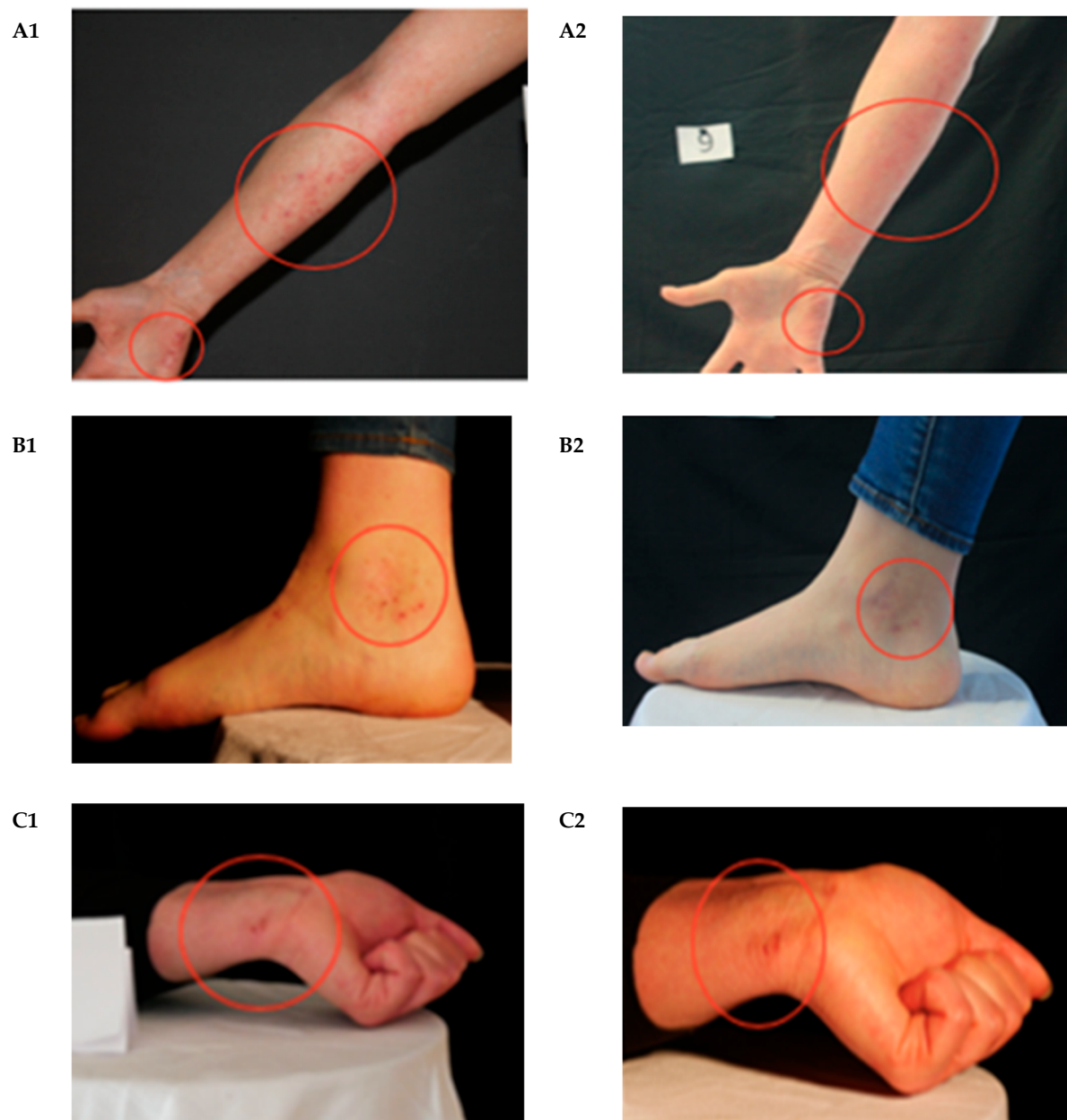
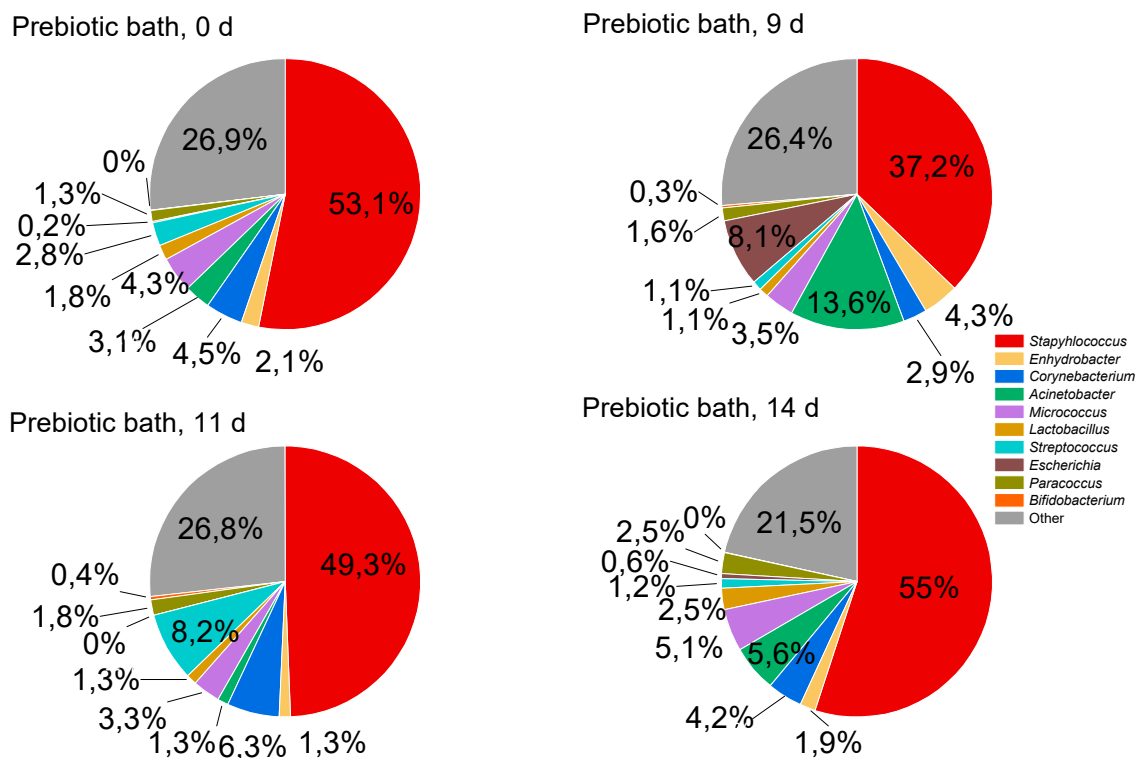
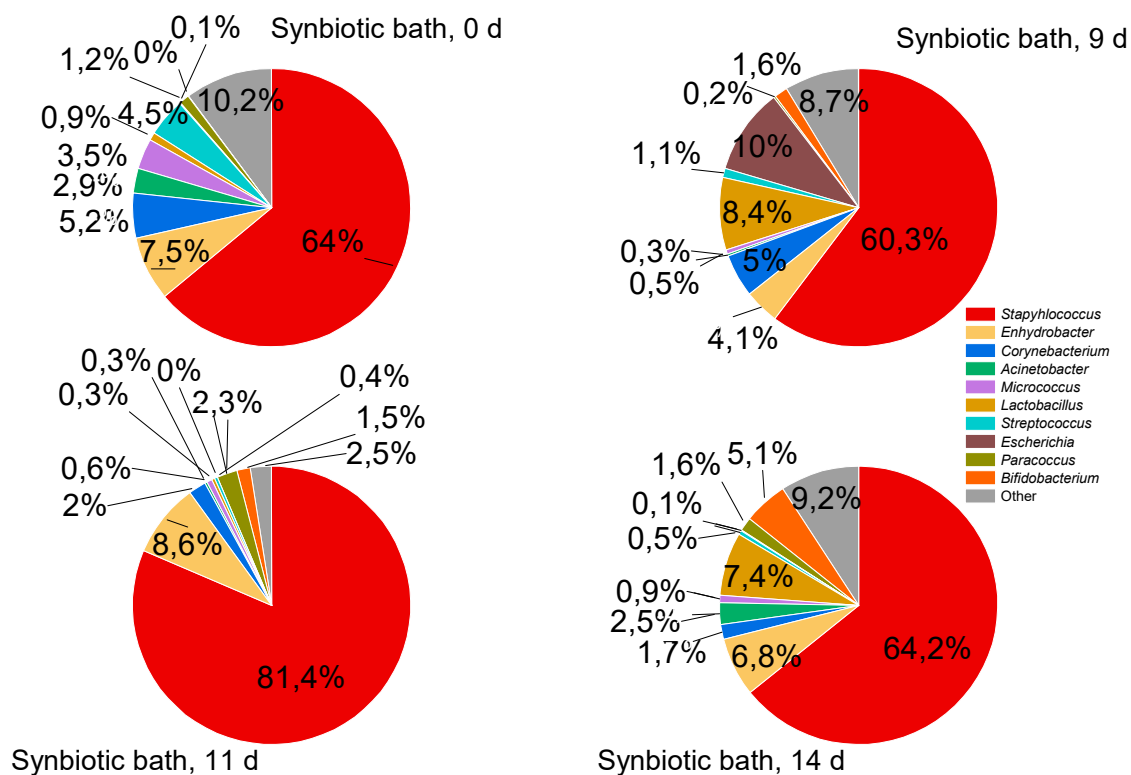
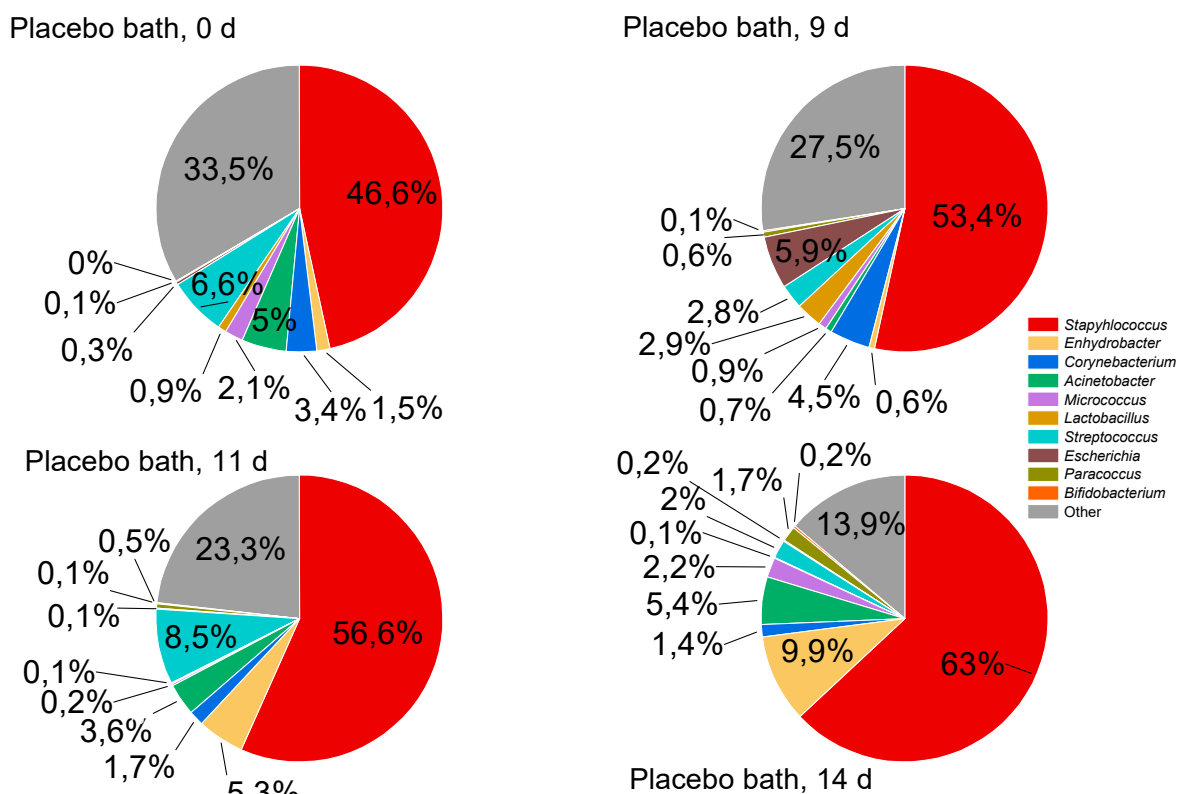


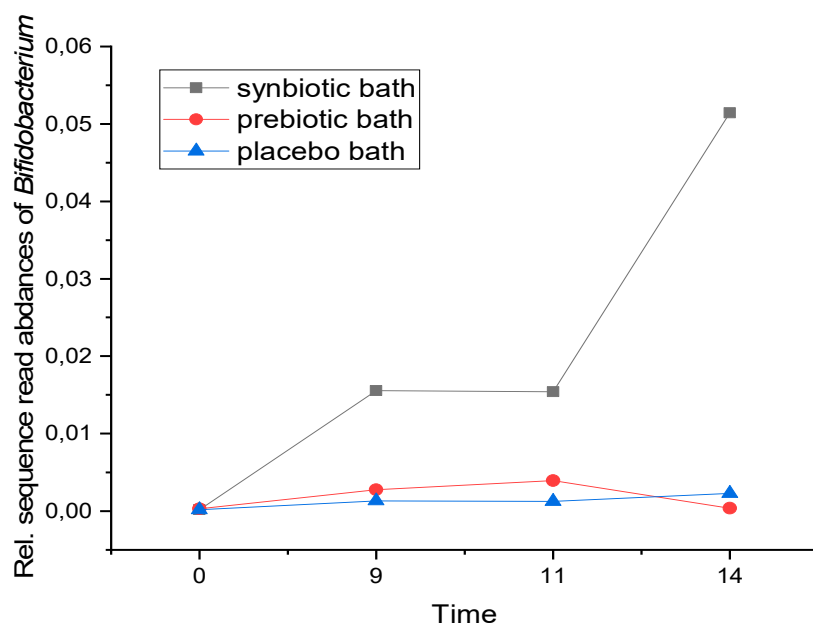
Figure S1. Changes in skin appearance from AD patients after daily synbiotic baths (A), prebiotic baths (B) or placebo baths (C) over time (start of incubation = 1; after 14 days of bath treatment = 2).



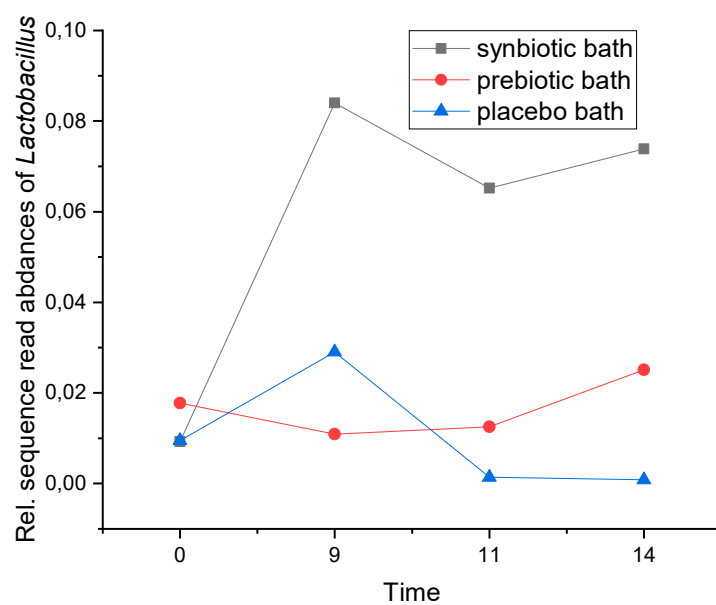


C

Figure S2. Relative sequence read abundances of the bacterial skin microbiome retrieved from AD patients after daily synbiotic baths (A), prebiotic baths (B) or placebo baths (C) over time.

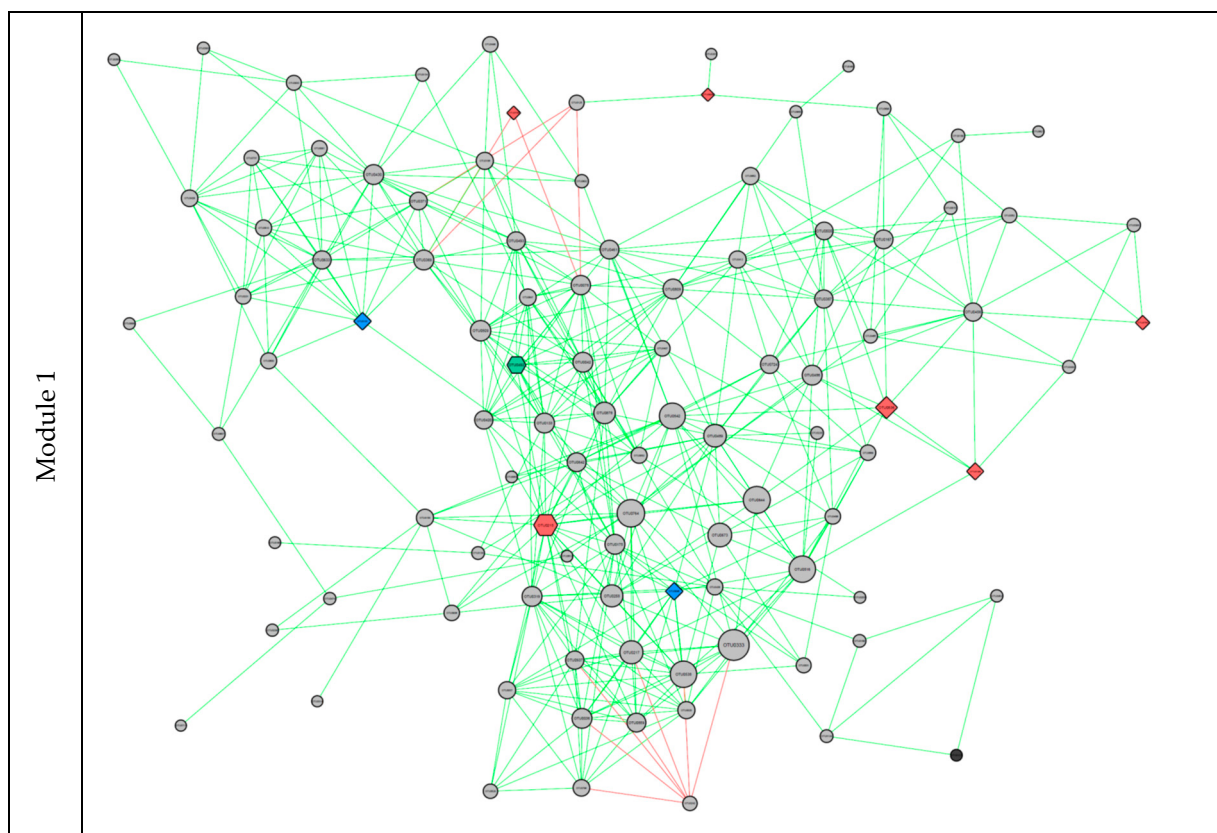


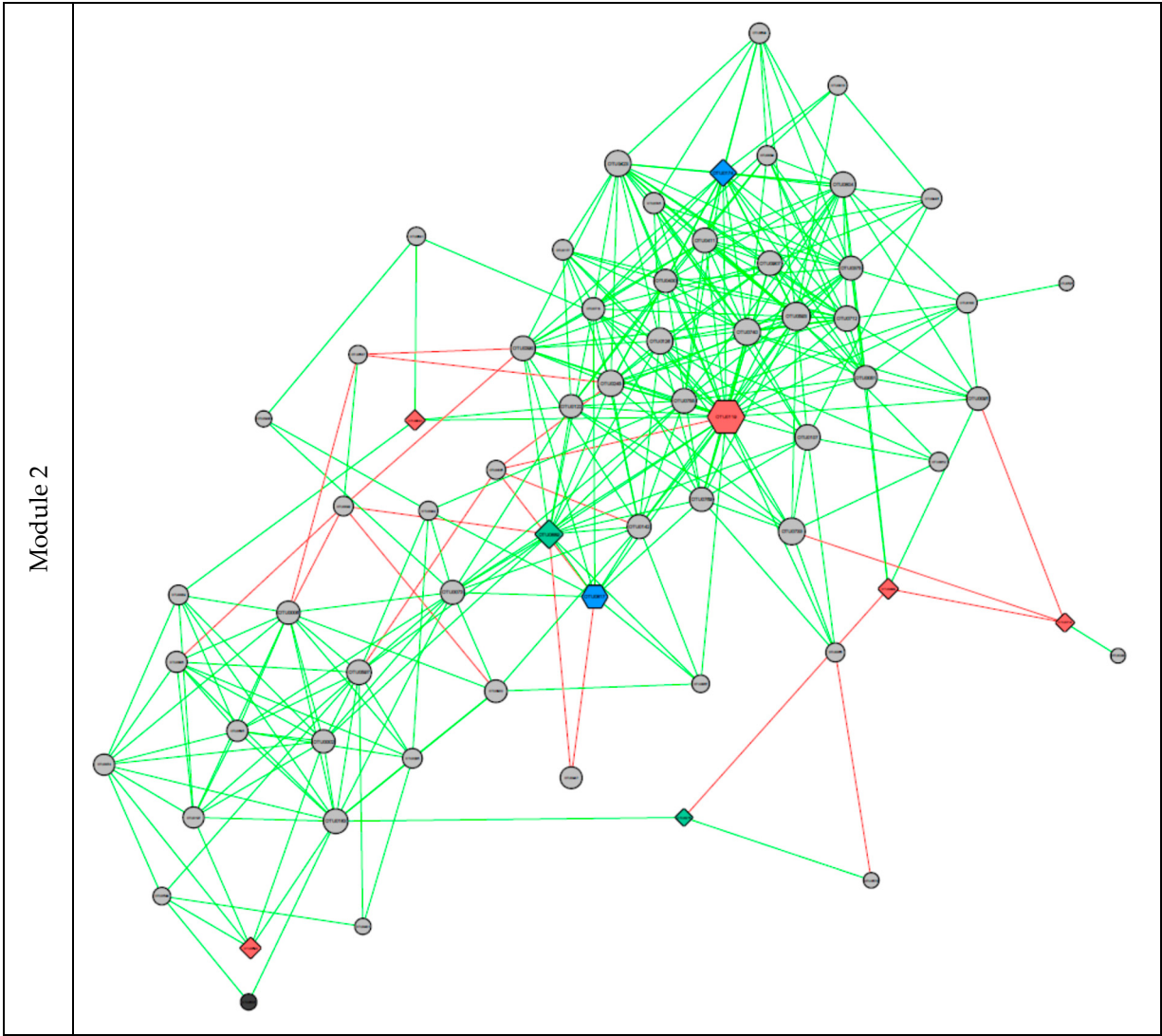
A

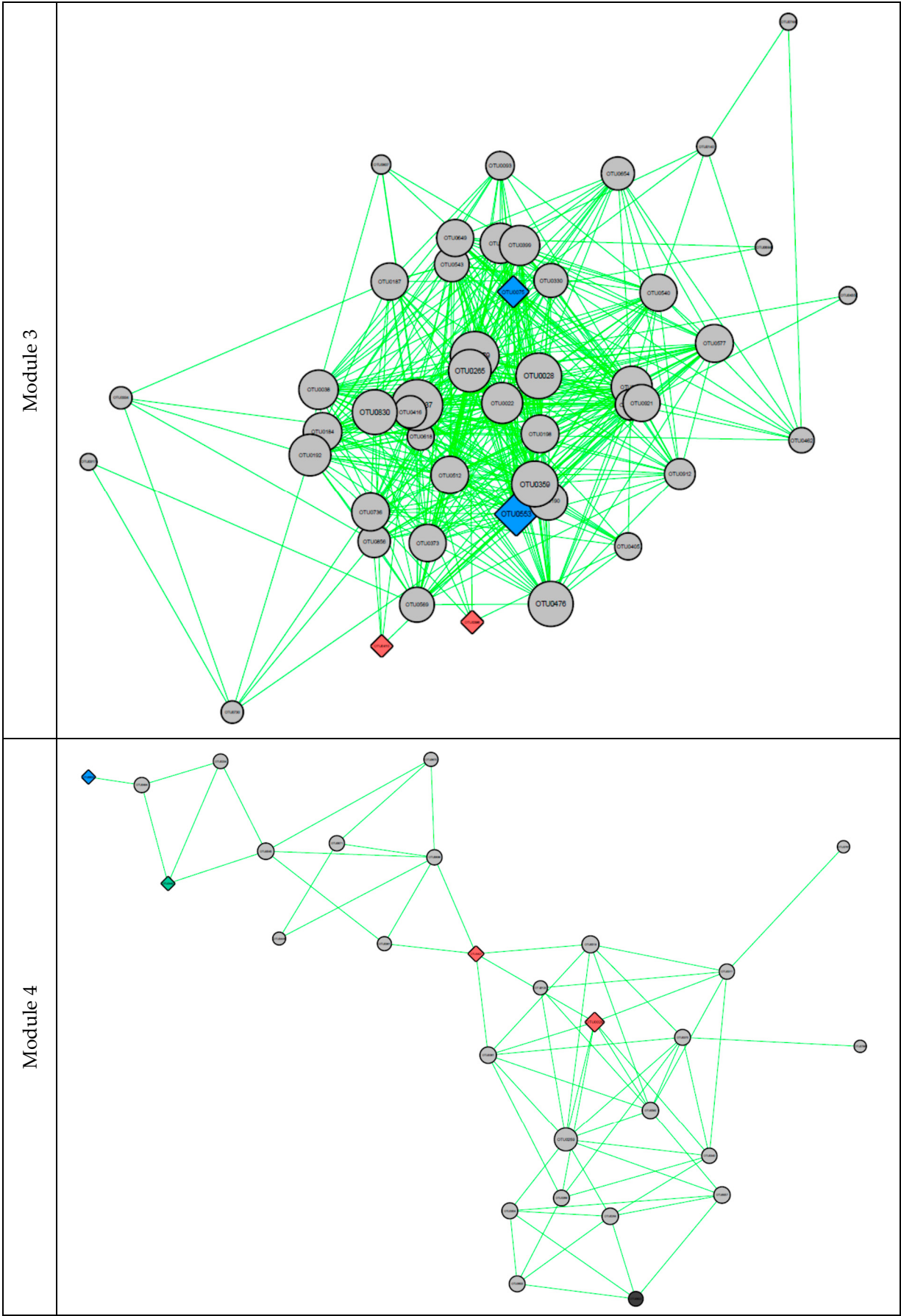


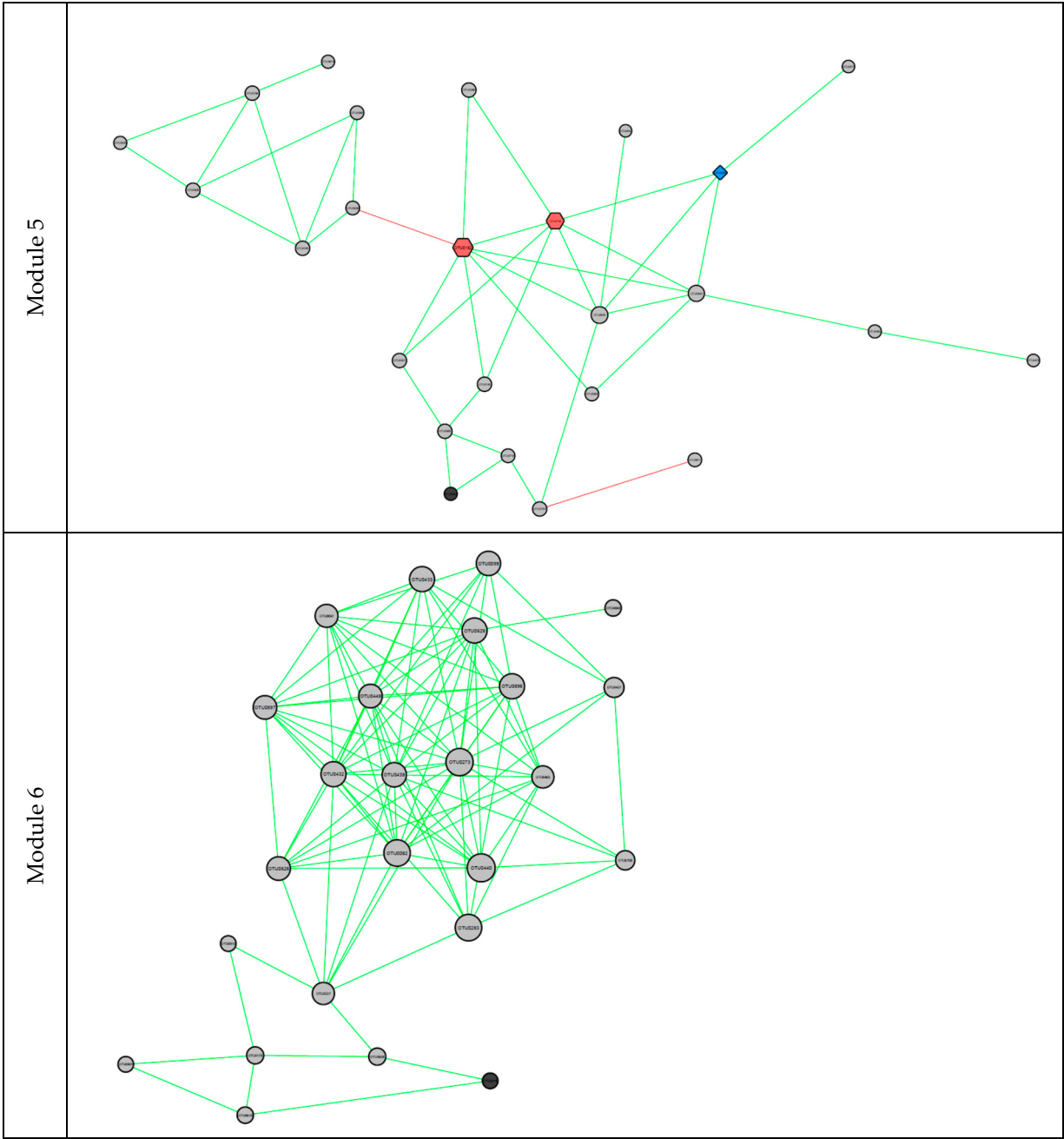
B

Figure S3. Relative sequence read abundances of members of the genera *Bifidobacterium* (A) and *Lactobacillus* (B) as part of the bacterial skin microbiome retrieved from AD patients after daily synbiotic, prebiotic or placebo baths over time.









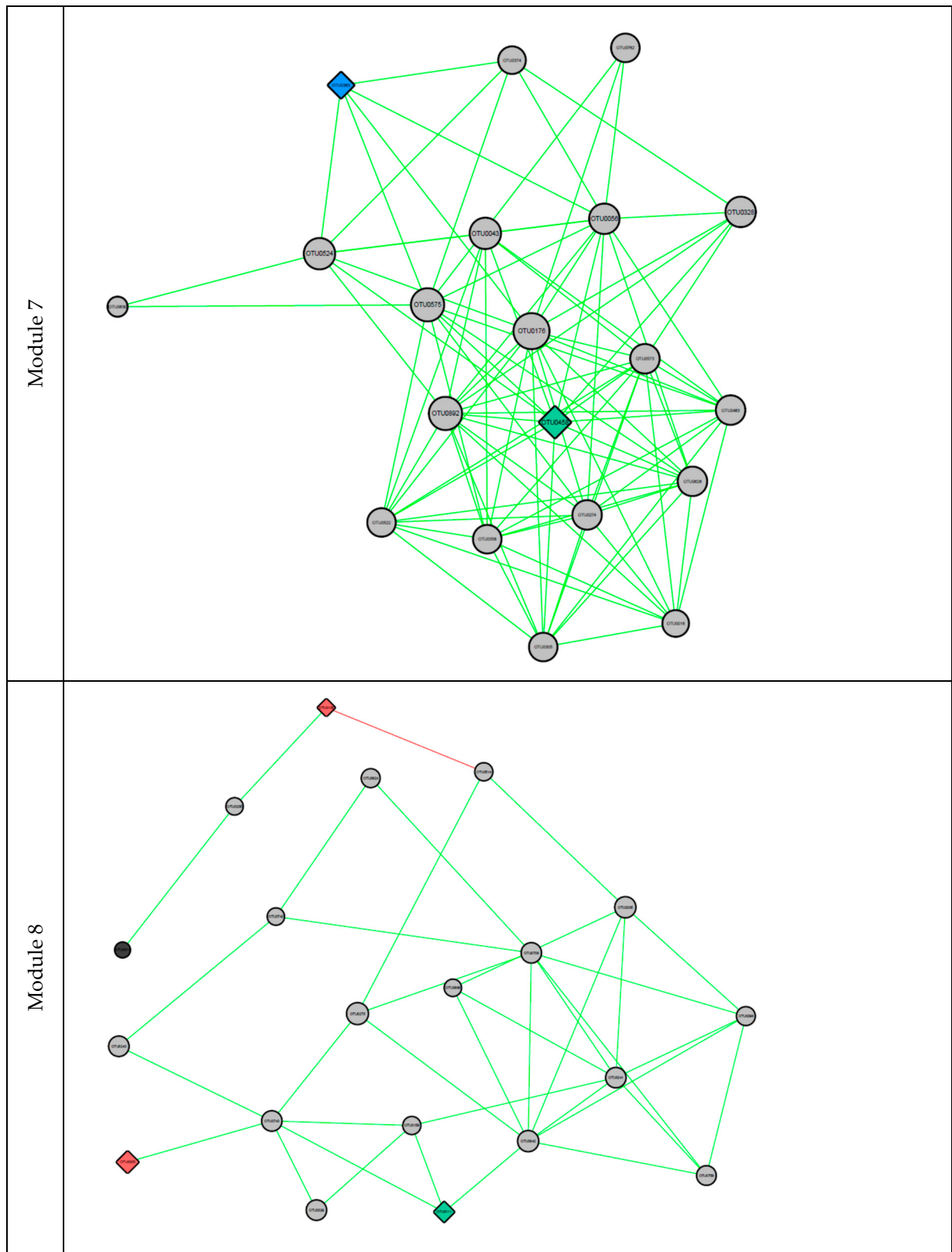




Figure S4. Co-occurrence network from the differences of the bacterial skin microbiome networks retrieved from AD patients after daily synbiotic, prebiotic or placebo baths. In total, ten different module were found. Further details can be found in the material and methods section in the main document.

Table S1. Two way analysis of variance (ANOVA) of diversity indices from the bacterial skin microbiome derived from AD patients that attended synbiotic, prebiotic or placebo baths over time. Significance of bath treatment, time or the interaction of bath treatment and time is highlighted in **bold** ($p < 0.05$). DF, degree of freedom.

Parameter	DF	Sum of Squares	Mean Square	F Value	P Value
<i>Chao1 richness estimator</i>					
Time	3	942,634,121	314,211,374	0,98478	0,40542
Bath treatment	2	1,162,547,775	581,273,888	182,179	0,16978
Bath treatment x Time	6	813,839,017	135,639,836	0,42511	0,8597
<i>Shannon diversity index</i>					
Time	3	451,465	150,488	164,409	0,18766
Bath treatment	2	1,096,197	548,098	598,802	0,00408
Bath treatment x Time	6	245,948	0,40991	0,44783	0,84397
<i>Simpson diversity index</i>					
Time	3	0,19093	0,06364	0,71964	0,5438
Bath treatment	2	0,71126	0,35563	402,137	0,02249

Table S2. Topological role of OTUs in co-occurrence networks derived from AD patients that attended synbiotic (A), prebiotic (B) or placebo baths and a merged network with the differences in the topological role between all three bath treatments (D).

A Synbiotic bath treatment:

Node	Module	Edges			Zi (within)	pi(outside)	Role
		All	Module	Module			
OTU0896	2	6	6	0	-0,18544571	0	Peripherals
OTU0124	2	7	6	1	-0,18544571	0,24489796	Peripherals
OTU0575	3	34	33	1	0,28510912	0,05709343	Peripherals
OTU0093	3	52	51	1	1,3331102	0,03772189	Peripherals
OTU0519	1	40	11	29	0,53080423	0,4675	Peripherals
OTU0091	1	17	13	4	0,88467372	0,38062284	Peripherals
OTU0126	5	22	21	1	0,81155763	0,08677686	Peripherals
OTU0220	5	20	20	0	0,67923845	0	Peripherals
OTU0795	3	55	53	2	1,44955476	0,0707438	Peripherals
OTU0061	3	54	40	14	0,69266509	0,40672154	Peripherals
OTU0684	3	48	48	0	1,15844335	0	Peripherals
OTU0807	3	35	34	1	0,3433314	0,0555102	Peripherals
OTU0730	3	60	57	3	1,68244389	0,09611111	Peripherals
OTU0022	3	59	52	7	1,39133248	0,21488078	Peripherals
OTU0176	6	7	5	2	0,07233642	0,40816327	Peripherals
OTU0050	6	6	6	0	0,38579426	0	Peripherals
OTU0383	3	56	53	3	1,44955476	0,10267857	Peripherals
OTU0122	1	45	14	31	1,06160846	0,4582716	Peripherals
OTU0150	3	43	30	13	0,11044227	0,43482964	Peripherals
OTU0381	3	44	43	1	0,86733194	0,04442149	Peripherals
OTU0729	1	24	9	15	0,17693474	0,66319444	Connector
OTU0074	5	19	16	3	0,14996174	0,28254848	Peripherals

OTU0830	3	26	24	2	-0,23889143	0,14201183	Peripherals
OTU0736	1	26	11	15	0,53080423	0,59467456	Peripherals
OTU0399	3	53	51	2	1,3331102	0,07333571	Peripherals
OTU0822	3	35	32	3	0,22688683	0,16	Peripherals
OTU0733	5	19	19	0	0,54691927	0	Peripherals
OTU0659	5	17	17	0	0,28228092	0	Peripherals
OTU0201	5	18	18	0	0,41460009	0	Peripherals
OTU0761	5	20	20	0	0,67923845	0	Peripherals
OTU0148	5	21	20	1	0,67923845	0,09070295	Peripherals
OTU0491	2	15	9	6	0,68383107	0,52444444	Peripherals
OTU0458	1	5	2	3	-1,06160846	0,64	Connector
OTU0748	3	42	41	1	0,75088737	0,04648526	Peripherals
OTU0588	3	34	34	0	0,3433314	0	Peripherals
OTU0516	3	50	43	7	0,86733194	0,2496	Peripherals
OTU0014	2	15	13	2	1,84286678	0,24	Peripherals
OTU0295	2	11	11	0	1,26334893	0	Peripherals
OTU0294	2	8	8	0	0,39407214	0	Peripherals
OTU0513	3	38	38	0	0,57622053	0	Peripherals
OTU0274	3	49	49	0	1,21666563	0	Peripherals
OTU0192	3	59	53	6	1,44955476	0,18557886	Peripherals
OTU0484	3	33	33	0	0,28510912	0	Peripherals
OTU0190	3	51	50	1	1,27488792	0,03844675	Peripherals
OTU0817	5	22	21	1	0,81155763	0,08677686	Peripherals
OTU0933	5	8	7	1	-1,04091087	0,21875	Peripherals
OTU0667	2	14	14	0	2,13262571	0	Peripherals
OTU0932	2	15	11	4	1,26334893	0,39111111	Peripherals
OTU0051	3	46	41	5	0,75088737	0,19754253	Peripherals
OTU0572	5	16	16	0	0,14996174	0	Peripherals
OTU0573	2	2	1	1	-1,63424035	0,5	Peripherals
OTU0669	3	36	35	1	0,40155368	0,05401235	Peripherals
OTU0039	5	25	20	5	0,67923845	0,3424	Peripherals
OTU0856	3	39	39	0	0,63444281	0	Peripherals
OTU0142	3	53	49	4	1,21666563	0,14168743	Peripherals
OTU0149	3	45	36	9	0,45977596	0,32790123	Peripherals
OTU0198	1	32	17	15	1,59241269	0,52539063	Peripherals
OTU0895	3	9	7	2	-1,22867023	0,34567901	Peripherals
OTU0762	3	9	7	2	-1,22867023	0,37037037	Peripherals
OTU0892	3	7	4	3	-1,40333708	0,48979592	Peripherals
OTU0043	3	10	8	2	-1,17044795	0,34	Peripherals
OTU0728	3	14	13	1	-0,87933653	0,13265306	Peripherals
OTU0423	3	57	53	4	1,44955476	0,13357956	Peripherals
OTU0002	3	9	7	2	-1,22867023	0,37037037	Peripherals

OTU0889	3	21	10	11	-1,05400338	0,67120181	Connector
OTU0203	3	40	40	0	0,69266509	0	Peripherals
OTU0069	3	41	36	5	0,45977596	0,21891731	Peripherals
OTU0525	3	13	13	0	-0,87933653	0	Peripherals
OTU0049	3	20	17	3	-0,6464474	0,27	Peripherals
OTU0714	6	5	1	4	-1,18149491	0,32	Peripherals
OTU0330	5	2	2	0	-1,70250677	0	Peripherals
OTU0624	5	16	15	1	0,01764256	0,1171875	Peripherals
OTU0387	3	39	36	3	0,45977596	0,14464168	Peripherals
OTU0412	3	40	40	0	0,69266509	0	Peripherals
OTU0258	3	59	53	6	1,44955476	0,18557886	Peripherals
OTU0737	1	4	3	1	-0,88467372	0,375	Peripherals
OTU0712	1	3	2	1	-1,06160846	0,44444444	Peripherals
OTU0007	3	27	23	4	-0,29711371	0,260631	Peripherals
OTU0217	3	52	48	4	1,15844335	0,14423077	Peripherals
OTU0183	3	51	49	2	1,21666563	0,07612457	Peripherals
OTU0365	1	4	4	0	-0,70773897	0	Peripherals
OTU0483	2	11	9	2	0,68383107	0,29752066	Peripherals
OTU0019	2	8	8	0	0,39407214	0	Peripherals
OTU0486	3	48	41	7	0,75088737	0,25954861	Peripherals
OTU0675	3	19	17	2	-0,6464474	0,18836565	Peripherals
OTU0182	3	38	37	1	0,51799824	0,05124654	Peripherals
OTU0455	2	11	11	0	1,26334893	0	Peripherals
OTU0181	3	29	26	3	-0,12244686	0,1902497	Peripherals
OTU0125	3	18	18	0	-0,58822512	0	Peripherals
OTU0644	3	51	50	1	1,27488792	0,03844675	Peripherals
OTU0100	3	61	57	4	1,68244389	0,12416017	Peripherals
OTU0276	2	21	4	17	-0,76496357	0,6893424	Connector
OTU0564	3	56	48	8	1,15844335	0,24936224	Peripherals
OTU0107	5	22	22	0	0,94387681	0	Peripherals
OTU0570	3	62	58	4	1,74066618	0,12330905	Peripherals
OTU0373	5	21	21	0	0,81155763	0	Peripherals
OTU0410	3	48	42	6	0,80910966	0,21875	Peripherals
OTU0240	6	4	4	0	-0,24112141	0	Peripherals
OTU0328	6	6	5	1	0,07233642	0,27777778	Peripherals
OTU0379	2	43	5	38	-0,47520464	0,52677123	Peripherals
OTU0333	3	49	48	1	1,15844335	0,03998334	Peripherals
OTU0543	3	29	20	9	-0,47178056	0,49940547	Peripherals
OTU0424	1	12	12	0	0,70773897	0	Peripherals
OTU0086	1	14	12	2	0,70773897	0,25510204	Peripherals
OTU0108	5	20	20	0	0,67923845	0	Peripherals
OTU0175	1	25	14	11	1,06160846	0,5248	Peripherals

OTU0755	1	9	9	0	0,17693474	0	Peripherals
OTU0540	1	15	15	0	1,2385432	0	Peripherals
OTU0184	5	19	19	0	0,54691927	0	Peripherals
OTU0041	1	26	18	8	1,76934743	0,44674556	Peripherals
OTU0535	3	25	19	6	-0,53000284	0,3648	Peripherals
OTU0314	2	8	6	2	-0,18544571	0,375	Peripherals
OTU0930	3	10	9	1	-1,11222566	0,18	Peripherals
OTU0597	3	27	26	1	-0,12244686	0,07133059	Peripherals
OTU0592	3	25	25	0	-0,18066914	0	Peripherals
OTU0836	3	19	17	2	-0,6464474	0,19390582	Peripherals
OTU0893	2	5	5	0	-0,47520464	0	Peripherals
OTU0082	2	10	10	0	0,97359	0	Peripherals
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OTU0593	6	2	1	1	-1,18149491	0,5	Peripherals
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OTU0903	2	9	9	0	0,68383107	0	Peripherals
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OTU0242	5	21	21	0	0,81155763	0	Peripherals
OTU0626	2	6	6	0	-0,18544571	0	Peripherals
OTU0489	3	40	35	5	0,40155368	0,2275	Peripherals
OTU0745	3	32	27	5	-0,06422458	0,26367188	Peripherals
OTU0509	2	8	5	3	-0,47520464	0,53125	Peripherals
OTU0494	5	6	4	2	-1,43786841	0,44444444	Peripherals
OTU0665	3	27	20	7	-0,47178056	0,41152263	Peripherals
OTU0663	3	24	20	4	-0,47178056	0,29166667	Peripherals
OTU0825	3	14	11	3	-0,9957811	0,35714286	Peripherals
OTU0457	3	17	15	2	-0,76289197	0,20761246	Peripherals
OTU0099	2	9	5	4	-0,47520464	0,56790123	Peripherals
OTU0584	2	6	6	0	-0,18544571	0	Peripherals
OTU0907	6	9	9	0	1,32616776	0	Peripherals

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OTU0655	3	6	5	1	-1,34511479	0,27777778	Peripherals
OTU0764	3	25	23	2	-0,29711371	0,1504	Peripherals
OTU0296	5	8	8	0	-0,9085917	0	Peripherals
OTU0390	5	21	21	0	0,81155763	0	Peripherals
OTU0416	3	42	34	8	0,3433314	0,32312925	Peripherals
OTU0311	2	5	5	0	-0,47520464	0	Peripherals
OTU0134	3	17	16	1	-0,70466969	0,11072664	Peripherals
OTU0359	2	11	9	2	0,68383107	0,31404959	Peripherals
OTU0476	3	46	33	13	0,28510912	0,4168242	Peripherals
OTU0433	3	6	5	1	-1,34511479	0,27777778	Peripherals
OTU0119	3	13	13	0	-0,87933653	0	Peripherals
OTU0769	5	21	21	0	0,81155763	0	Peripherals
OTU0366	2	13	13	0	1,84286678	0	Peripherals
OTU0633	1	29	17	12	1,59241269	0,51129608	Peripherals
OTU0461	2	6	6	0	-0,18544571	0	Peripherals
OTU0720	1	8	4	4	-0,70773897	0,59375	Peripherals
OTU0897	2	6	6	0	-0,18544571	0	Peripherals
OTU0440	2	13	13	0	1,84286678	0	Peripherals
OTU0199	3	19	18	1	-0,58822512	0,09972299	Peripherals
OTU0285	3	2	2	0	-1,51978164	0	Peripherals
OTU0812	6	3	1	2	-1,18149491	0,44444444	Peripherals
OTU0641	6	4	4	0	-0,24112141	0	Peripherals
OTU0056	6	12	11	1	1,95308343	0,15277778	Peripherals
OTU0756	1	4	4	0	-0,70773897	0	Peripherals
OTU0499	1	12	12	0	0,70773897	0	Peripherals
OTU0524	6	3	2	1	-0,86803708	0,44444444	Peripherals
OTU0154	1	4	4	0	-0,70773897	0	Peripherals
OTU0511	2	10	9	1	0,68383107	0,18	Peripherals
OTU0277	2	17	10	7	0,97359	0,52595156	Peripherals
OTU0713	2	7	7	0	0,10431321	0	Peripherals
OTU0052	6	12	7	5	0,69925209	0,56944444	Peripherals
OTU0671	1	6	4	2	-0,70773897	0,5	Peripherals
OTU0630	6	17	4	13	-0,24112141	0,51903114	Peripherals
OTU0156	6	8	7	1	0,69925209	0,21875	Peripherals
OTU0245	6	7	4	3	-0,24112141	0,57142857	Peripherals
OTU0742	2	9	9	0	0,68383107	0	Peripherals
OTU0931	2	7	4	3	-0,76496357	0,48979592	Peripherals
OTU0367	1	3	3	0	-0,88467372	0	Peripherals
OTU0936	6	7	6	1	0,38579426	0,24489796	Peripherals
OTU0446	3	18	17	1	-0,6464474	0,10493827	Peripherals
OTU0760	3	34	32	2	0,22688683	0,11072664	Peripherals

OTU0510	2	8	6	2	-0,18544571	0,40625	Peripherals
OTU0427	1	3	3	0	-0,88467372	0	Peripherals
OTU0279	2	2	1	1	-1,63424035	0,5	Peripherals
OTU0442	6	5	2	3	-0,86803708	0,64	Connector
OTU0334	4	2	1	1	-0,70710678	0,5	Peripherals
OTU0374	4	2	2	0	1,41421356	0	Peripherals
OTU0514	3	4	3	1	-1,46155936	0,375	Peripherals
OTU0352	2	6	5	1	-0,47520464	0,27777778	Peripherals
OTU0670	2	9	4	5	-0,76496357	0,59259259	Peripherals
OTU0512	3	30	30	0	0,11044227	0	Peripherals
OTU0102	3	1	1	0	-1,57800392	0	Peripherals
OTU0259	3	42	30	12	0,11044227	0,44104308	Peripherals
OTU0891	6	6	5	1	0,07233642	0,27777778	Peripherals
OTU0269	6	3	2	1	-0,86803708	0,44444444	Peripherals
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OTU0414	1	2	1	1	-1,2385432	0,5	Peripherals
OTU0743	5	2	2	0	-1,70250677	0	Peripherals
OTU0168	5	3	2	1	-1,70250677	0,44444444	Peripherals
OTU0265	3	13	11	2	-0,9957811	0,26035503	Peripherals
OTU0305	1	2	2	0	-1,06160846	0	Peripherals
OTU0801	6	6	1	5	-1,18149491	0,5	Peripherals
OTU0585	3	3	3	0	-1,46155936	0	Peripherals
OTU0084	3	4	4	0	-1,40333708	0	Peripherals
OTU0299	2	4	4	0	-0,76496357	0	Peripherals
OTU0298	2	3	3	0	-1,0547225	0	Peripherals
OTU0654	2	8	5	3	-0,47520464	0,46875	Peripherals
OTU0187	3	3	3	0	-1,46155936	0	Peripherals
OTU0137	1	20	15	5	1,2385432	0,395	Peripherals
OTU0129	2	9	8	1	0,39407214	0,19753086	Peripherals
OTU0123	1	1	1	0	-1,2385432	0	Peripherals
OTU0092	1	5	3	2	-0,88467372	0,48	Peripherals
OTU0335	6	2	1	1	-1,18149491	0,5	Peripherals
OTU0618	2	1	1	0	-1,63424035	0	Peripherals
OTU0197	3	9	9	0	-1,11222566	0	Peripherals
OTU0537	6	2	2	0	-0,86803708	0	Peripherals
OTU0902	6	5	5	0	0,07233642	0	Peripherals
OTU0738	1	10	10	0	0,35386949	0	Peripherals
OTU0900	3	1	1	0	-1,57800392	0	Peripherals
OTU0635	5	3	2	1	-1,70250677	0,44444444	Peripherals
OTU0138	1	2	2	0	-1,06160846	0	Peripherals
OTU0053	2	3	1	2	-1,63424035	0,44444444	Peripherals
OTU0806	2	1	1	0	-1,63424035	0	Peripherals

OTU0852	3	3	3	0	-1,46155936	0	Peripherals
OTU0799	2	3	3	0	-1,0547225	0	Peripherals
OTU0329	5	2	2	0	-1,70250677	0	Peripherals
OTU0628	4	1	1	0	-0,70710678	0	Peripherals
OTU0842	3	1	1	0	-1,57800392	0	Peripherals
OTU0358	3	3	3	0	-1,46155936	0	Peripherals
OTU0300	1	2	2	0	-1,06160846	0	Peripherals
OTU0364	2	2	2	0	-1,34448143	0	Peripherals
OTU0850	1	1	1	0	-1,2385432	0	Peripherals

B Prebiotic bath treatment:

Node	Module	Edges			Zi (within)	pi(outside)	Role
		All	Inside Module	Outside Module			
OTU0519	1	29	26	3	1,20356361	0,18549346	Peripherals
OTU0093	8	15	9	6	-0,22976102	0,48	Peripherals
OTU0187	1	30	29	1	1,53056957	0,06444444	Peripherals
OTU0193	8	15	6	9	-0,70137575	0,48	Peripherals
OTU0583	8	19	18	1	1,18508316	0,09972299	Peripherals
OTU0749	8	17	16	1	0,87067334	0,11072664	Peripherals
OTU0091	1	26	25	1	1,09456162	0,0739645	Peripherals
OTU0684	1	26	25	1	1,09456162	0,0739645	Peripherals
OTU0805	1	15	14	1	-0,10446024	0,12444444	Peripherals
OTU0084	8	13	13	0	0,39905861	0	Peripherals
OTU0437	8	22	21	1	1,65669788	0,08677686	Peripherals
OTU0553	7	6	3	3	-0,26388991	0,66666667	Connector
OTU0176	11	14	12	2	-0,32585274	0,25510204	Peripherals
OTU0062	8	17	16	1	0,87067334	0,11072664	Peripherals
OTU0331	11	22	21	1	0,77390026	0,08677686	Peripherals
OTU0342	11	21	21	0	0,77390026	0	Peripherals
OTU0654	1	11	8	3	-0,75847216	0,39669421	Peripherals
OTU0597	3	13	11	2	1,93313844	0,26035503	Peripherals
OTU0007	1	28	24	4	0,98555963	0,25255102	Peripherals
OTU0586	1	25	13	12	-0,21346222	0,5344	Peripherals
OTU0642	1	24	24	0	0,98555963	0	Peripherals
OTU0748	1	23	22	1	0,76755566	0,0831758	Peripherals
OTU0137	1	23	20	3	0,54955169	0,23818526	Peripherals
OTU0351	1	23	22	1	0,76755566	0,0831758	Peripherals
OTU0237	11	23	23	0	1,01828981	0	Peripherals
OTU0706	11	5	4	1	-1,30341096	0,32	Peripherals
OTU0520	4	15	8	7	-0,09950372	0,59555556	Peripherals
OTU0392	4	23	13	10	0,89553347	0,57844991	Peripherals

OTU0787	4	14	9	5	0,09950372	0,45918367	Peripherals
OTU0639	4	22	15	7	1,29354835	0,49173554	Peripherals
OTU0817	3	15	14	1	2,89970766	0,12444444	Module Hub
OTU0933	3	11	8	3	0,96656922	0,42975207	Peripherals
OTU0373	1	37	29	8	1,53056957	0,35646457	Peripherals
OTU0836	1	26	14	12	-0,10446024	0,49704142	Peripherals
OTU0241	11	2	2	0	-1,54780052	0	Peripherals
OTU0053	11	10	9	1	-0,69243707	0,18	Peripherals
OTU0667	8	14	13	1	0,39905861	0,13265306	Peripherals
OTU0930	8	5	5	0	-0,85858065	0	Peripherals
OTU0043	11	21	21	0	0,77390026	0	Peripherals
OTU0111	11	26	26	0	1,38487415	0	Peripherals
OTU0338	11	25	23	2	1,01828981	0,1472	Peripherals
OTU0856	1	29	28	1	1,42156758	0,0665874	Peripherals
OTU0168	11	25	25	0	1,26267937	0	Peripherals
OTU0624	11	27	27	0	1,50706892	0	Peripherals
OTU0002	3	11	11	0	1,93313844	0	Peripherals
OTU0528	3	11	10	1	1,6109487	0,16528926	Peripherals
OTU0892	11	8	8	0	-0,81463185	0	Peripherals
OTU0889	3	9	8	1	0,96656922	0,19753086	Peripherals
OTU0276	11	25	25	0	1,26267937	0	Peripherals
OTU0756	11	17	17	0	0,28512115	0	Peripherals
OTU0148	5	8	8	0	0,5	0	Peripherals
OTU0489	5	7	7	0	0	0	Peripherals
OTU0830	1	24	20	4	0,54955169	0,28819444	Peripherals
OTU0724	1	27	16	11	0,11354374	0,48285322	Peripherals
OTU0258	1	11	10	1	-0,54046819	0,16528926	Peripherals
OTU0909	3	3	1	2	-1,28875896	0,44444444	Peripherals
OTU0049	10	5	4	1	1,5	0,32	Peripherals
OTU0712	10	5	3	2	0,5	0,56	Peripherals
OTU0123	5	5	5	0	-1	0	Peripherals
OTU0387	4	12	8	4	-0,09950372	0,44444444	Peripherals
OTU0476	1	21	19	2	0,4405497	0,1723356	Peripherals
OTU0669	1	26	26	0	1,20356361	0	Peripherals
OTU0456	8	7	7	0	-0,54417084	0	Peripherals
OTU0082	8	17	17	0	1,02787825	0	Peripherals
OTU0411	1	16	10	6	-0,54046819	0,46875	Peripherals
OTU0543	1	35	28	7	1,42156758	0,34612245	Peripherals
OTU0272	4	29	19	10	2,0895781	0,48989298	Peripherals
OTU0405	4	12	7	5	-0,29851116	0,48611111	Peripherals
OTU0074	1	29	27	2	1,3125656	0,13079667	Peripherals
OTU0556	1	25	25	0	1,09456162	0	Peripherals

OTU0795	1	23	23	0	0,87655765	0	Peripherals
OTU0240	11	28	28	0	1,6292637	0	Peripherals
OTU0725	8	18	18	0	1,18508316	0	Peripherals
OTU0329	11	21	21	0	0,77390026	0	Peripherals
OTU0461	11	17	17	0	0,28512115	0	Peripherals
OTU0119	5	8	8	0	0,5	0	Peripherals
OTU0127	1	31	31	0	1,74857354	0	Peripherals
OTU0189	1	17	16	1	0,11354374	0,11072664	Peripherals
OTU0450	4	19	13	6	0,89553347	0,47645429	Peripherals
OTU0319	4	14	9	5	0,09950372	0,45918367	Peripherals
OTU0577	4	20	13	7	0,89553347	0,485	Peripherals
OTU0430	1	14	13	1	-0,21346222	0,13265306	Peripherals
OTU0809	3	6	3	3	-0,64437948	0,5	Peripherals
OTU0181	3	11	4	7	-0,32218974	0,7107438	Connector
OTU0561	1	19	19	0	0,4405497	0	Peripherals
OTU0046	11	21	21	0	0,77390026	0	Peripherals
OTU0081	4	25	13	12	0,89553347	0,592	Peripherals
OTU0183	3	8	8	0	0,96656922	0	Peripherals
OTU0182	3	9	9	0	1,28875896	0	Peripherals
OTU0564	1	32	22	10	0,76755566	0,46289063	Peripherals
OTU0733	3	4	2	2	-0,96656922	0,5	Peripherals
OTU0633	1	26	21	5	0,65855367	0,31065089	Peripherals
OTU0201	1	28	21	7	0,65855367	0,4005102	Peripherals
OTU0234	11	12	12	0	-0,32585274	0	Peripherals
OTU0612	1	16	15	1	0,00454175	0,1171875	Peripherals
OTU0427	1	20	20	0	0,54955169	0	Peripherals
OTU0719	11	9	7	2	-0,93682663	0,34567901	Peripherals
OTU0705	11	5	4	1	-1,30341096	0,32	Peripherals
OTU0714	1	4	3	1	-1,3034821	0,375	Peripherals
OTU0885	1	29	21	8	0,65855367	0,41617122	Peripherals
OTU0713	11	3	3	0	-1,42560574	0	Peripherals
OTU0896	8	16	16	0	0,87067334	0	Peripherals
OTU0452	8	15	15	0	0,71346843	0	Peripherals
OTU0600	4	17	11	6	0,4975186	0,49134948	Peripherals
OTU0655	1	11	8	3	-0,75847216	0,39669421	Peripherals
OTU0190	1	9	9	0	-0,64947017	0	Peripherals
OTU0448	11	21	21	0	0,77390026	0	Peripherals
OTU0730	1	17	14	3	-0,10446024	0,29065744	Peripherals
OTU0352	1	30	29	1	1,53056957	0,06444444	Peripherals
OTU0499	1	21	21	0	0,65855367	0	Peripherals
OTU0274	1	9	9	0	-0,64947017	0	Peripherals
OTU0107	5	8	8	0	0,5	0	Peripherals

OTU0277	8	11	11	0	0,0846488	0	Peripherals
OTU0440	8	20	20	0	1,49949297	0	Peripherals
OTU0086	1	12	12	0	-0,32246421	0	Peripherals
OTU0665	8	5	5	0	-0,85858065	0	Peripherals
OTU0340	8	5	4	1	-1,01578556	0,32	Peripherals
OTU0174	3	4	2	2	-0,96656922	0,625	Connector
OTU0433	8	15	14	1	0,55626352	0,12444444	Peripherals
OTU0702	1	6	5	1	-1,08547812	0,27777778	Peripherals
OTU0891	11	22	22	0	0,89609504	0	Peripherals
OTU0897	8	9	9	0	-0,22976102	0	Peripherals
OTU0153	8	21	21	0	1,65669788	0	Peripherals
OTU0807	1	19	19	0	0,4405497	0	Peripherals
OTU0902	3	11	11	0	1,93313844	0	Peripherals
OTU0742	7	2	2	0	-0,68611376	0	Peripherals
OTU0191	7	8	8	0	1,84722935	0	Peripherals
OTU0585	3	4	4	0	-0,32218974	0	Peripherals
OTU0120	3	7	7	0	0,64437948	0	Peripherals
OTU0383	1	9	9	0	-0,64947017	0	Peripherals
OTU0374	11	15	15	0	0,04073159	0	Peripherals
OTU0893	8	19	19	0	1,34228806	0	Peripherals
OTU0574	4	13	10	3	0,29851116	0,35502959	Peripherals
OTU0269	1	21	21	0	0,65855367	0	Peripherals
OTU0165	3	6	6	0	0,32218974	0	Peripherals
OTU0593	3	5	5	0	0	0	Peripherals
OTU0592	3	4	4	0	-0,32218974	0	Peripherals
OTU0265	1	31	30	1	1,63957156	0,06243496	Peripherals
OTU0762	11	9	9	0	-0,69243707	0	Peripherals
OTU0328	11	10	8	2	-0,81463185	0,34	Peripherals
OTU0014	1	29	28	1	1,42156758	0,0665874	Peripherals
OTU0256	1	13	13	0	-0,21346222	0	Peripherals
OTU0524	11	10	6	4	-1,05902141	0,56	Peripherals
OTU0420	8	11	10	1	-0,07255611	0,16528926	Peripherals
OTU0523	10	5	3	2	0,5	0,56	Peripherals
OTU0412	8	13	13	0	0,39905861	0	Peripherals
OTU0147	7	6	5	1	0,5805578	0,27777778	Peripherals
OTU0740	7	9	9	0	2,2694532	0	Peripherals
OTU0542	1	32	26	6	1,20356361	0,3203125	Peripherals
OTU0381	1	26	25	1	1,09456162	0,0739645	Peripherals
OTU0217	1	21	21	0	0,65855367	0	Peripherals
OTU0445	11	20	20	0	0,65170548	0	Peripherals
OTU0275	11	27	27	0	1,50706892	0	Peripherals
OTU0575	11	9	8	1	-0,81463185	0,19753086	Peripherals

OTU0400	1	4	4	0	-1,19448011	0	Peripherals
OTU0159	1	11	10	1	-0,54046819	0,16528926	Peripherals
OTU0026	8	17	17	0	1,02787825	0	Peripherals
OTU0099	8	16	16	0	0,87067334	0	Peripherals
OTU0262	8	21	6	15	-0,70137575	0,65306122	Connector
OTU0755	3	5	5	0	0	0	Peripherals
OTU0880	3	8	5	3	0	0,53125	Peripherals
OTU0423	1	14	12	2	-0,32246421	0,25510204	Peripherals
OTU0051	4	19	16	3	1,49255579	0,28254848	Peripherals
OTU0602	1	9	7	2	-0,86747415	0,34567901	Peripherals
OTU0663	1	33	33	0	1,96657752	0	Peripherals
OTU0300	1	9	7	2	-0,86747415	0,34567901	Peripherals
OTU0482	8	13	13	0	0,39905861	0	Peripherals
OTU0629	8	23	23	0	1,9711077	0	Peripherals
OTU0465	7	4	2	2	-0,68611376	0,5	Peripherals
OTU0761	11	7	6	1	-1,05902141	0,24489796	Peripherals
OTU0626	8	12	12	0	0,24185371	0	Peripherals
OTU0815	1	11	11	0	-0,4314662	0	Peripherals
OTU0075	3	12	5	7	0	0,625	Connector
OTU0294	3	5	3	2	-0,64437948	0,56	Peripherals
OTU0371	8	12	8	4	-0,38696593	0,51388889	Peripherals
OTU0492	8	14	14	0	0,55626352	0	Peripherals
OTU0764	4	13	10	3	0,29851116	0,37869822	Peripherals
OTU0198	8	13	11	2	0,0846488	0,26035503	Peripherals
OTU0745	1	20	18	2	0,33154771	0,18	Peripherals
OTU0335	11	23	22	1	0,89609504	0,0831758	Peripherals
OTU0644	1	13	12	1	-0,32246421	0,14201183	Peripherals
OTU0019	1	7	4	3	-1,19448011	0,57142857	Peripherals
OTU0407	3	3	3	0	-0,64437948	0	Peripherals
OTU0375	1	14	13	1	-0,21346222	0,13265306	Peripherals
OTU0673	4	16	9	7	0,09950372	0,5703125	Peripherals
OTU0140	8	5	5	0	-0,85858065	0	Peripherals
OTU0878	1	32	32	0	1,85757553	0	Peripherals
OTU0717	1	14	13	1	-0,21346222	0,13265306	Peripherals
OTU0516	1	14	11	3	-0,4314662	0,35714286	Peripherals
OTU0154	7	4	4	0	0,15833394	0	Peripherals
OTU0540	3	10	9	1	1,28875896	0,18	Peripherals
OTU0333	11	18	17	1	0,28512115	0,10493827	Peripherals
OTU0630	11	18	18	0	0,40731593	0	Peripherals
OTU0774	8	5	5	0	-0,85858065	0	Peripherals
OTU0416	1	8	8	0	-0,75847216	0	Peripherals
OTU0505	1	21	21	0	0,65855367	0	Peripherals

OTU0245	3	4	3	1	-0,64437948	0,375	Peripherals
OTU0769	3	3	1	2	-1,28875896	0,44444444	Peripherals
OTU0907	7	5	5	0	0,5805578	0	Peripherals
OTU0263	7	4	4	0	0,15833394	0	Peripherals
OTU0850	4	2	1	1	-1,49255579	0,5	Peripherals
OTU0366	3	10	3	7	-0,64437948	0,8	Connector
OTU0088	4	2	1	1	-1,49255579	0,5	Peripherals
OTU0480	8	8	8	0	-0,38696593	0	Peripherals
OTU0285	11	16	15	1	0,04073159	0,1171875	Peripherals
OTU0635	11	4	2	2	-1,54780052	0,625	Connector
OTU0697	8	3	2	1	-1,33019538	0,44444444	Peripherals
OTU0582	11	25	25	0	1,26267937	0	Peripherals
OTU0029	1	12	11	1	-0,4314662	0,15277778	Peripherals
OTU0446	8	21	21	0	1,65669788	0	Peripherals
OTU0283	8	18	18	0	1,18508316	0	Peripherals
OTU0298	8	8	8	0	-0,38696593	0	Peripherals
OTU0908	3	11	2	9	-0,96656922	0,52892562	Peripherals
OTU0868	1	5	3	2	-1,3034821	0,56	Peripherals
OTU0859	4	7	4	3	-0,89553347	0,57142857	Peripherals
OTU0056	8	4	3	1	-1,17299047	0,375	Peripherals
OTU0304	3	11	11	0	1,93313844	0	Peripherals
OTU0739	3	9	9	0	1,28875896	0	Peripherals
OTU0736	1	24	22	2	0,76755566	0,15277778	Peripherals
OTU0054	11	4	4	0	-1,30341096	0	Peripherals
OTU0323	11	22	22	0	0,89609504	0	Peripherals
OTU0128	8	10	10	0	-0,07255611	0	Peripherals
OTU0141	8	5	5	0	-0,85858065	0	Peripherals
OTU0525	1	9	7	2	-0,86747415	0,34567901	Peripherals
OTU0435	11	7	6	1	-1,05902141	0,24489796	Peripherals
OTU0118	1	5	4	1	-1,19448011	0,32	Peripherals
OTU0122	3	5	5	0	0	0	Peripherals
OTU0169	3	9	9	0	1,28875896	0	Peripherals
OTU0925	3	5	5	0	0	0	Peripherals
OTU0462	4	4	3	1	-1,09454091	0,375	Peripherals
OTU0486	1	12	11	1	-0,4314662	0,15277778	Peripherals
OTU0689	8	22	22	0	1,81390279	0	Peripherals
OTU0501	1	22	20	2	0,54955169	0,16528926	Peripherals
OTU0513	3	7	6	1	0,32218974	0,24489796	Peripherals
OTU0124	8	10	7	3	-0,54417084	0,46	Peripherals
OTU0334	11	11	6	5	-1,05902141	0,49586777	Peripherals
OTU0491	11	5	3	2	-1,42560574	0,48	Peripherals
OTU0754	1	6	5	1	-1,08547812	0,27777778	Peripherals

OTU0125	3	7	7	0	0,64437948	0	Peripherals
OTU0197	3	5	5	0	0	0	Peripherals
OTU0442	11	20	20	0	0,65170548	0	Peripherals
OTU0305	8	24	24	0	2,12831261	0	Peripherals
OTU0050	1	8	8	0	-0,75847216	0	Peripherals
OTU0359	1	3	3	0	-1,3034821	0	Peripherals
OTU0447	8	19	19	0	1,34228806	0	Peripherals
OTU0692	5	7	7	0	0	0	Peripherals
OTU0203	3	4	4	0	-0,32218974	0	Peripherals
OTU0618	3	1	1	0	-1,28875896	0	Peripherals
OTU0912	8	2	2	0	-1,33019538	0	Peripherals
OTU0399	3	7	5	2	0	0,40816327	Peripherals
OTU0458	11	17	13	4	-0,20365796	0,38062284	Peripherals
OTU0722	3	6	5	1	0	0,27777778	Peripherals
OTU0175	3	7	5	2	0	0,40816327	Peripherals
OTU0641	5	9	9	0	1	0	Peripherals
OTU0231	1	9	8	1	-0,75847216	0,19753086	Peripherals
OTU0220	3	7	4	3	-0,32218974	0,48979592	Peripherals
OTU0259	1	37	35	2	2,18458149	0,10372535	Peripherals
OTU0671	8	9	8	1	-0,38696593	0,19753086	Peripherals
OTU0016	3	5	3	2	-0,64437948	0,56	Peripherals
OTU0410	8	13	10	3	-0,07255611	0,39053254	Peripherals
OTU0932	7	6	6	0	1,00278165	0	Peripherals
OTU0377	4	7	6	1	-0,4975186	0,24489796	Peripherals
OTU0512	1	11	10	1	-0,54046819	0,16528926	Peripherals
OTU0073	3	3	2	1	-0,96656922	0,44444444	Peripherals
OTU0292	3	2	2	0	-0,96656922	0	Peripherals
OTU0603	1	7	7	0	-0,86747415	0	Peripherals
OTU0077	4	8	4	4	-0,89553347	0,59375	Peripherals
OTU0199	3	6	6	0	0,32218974	0	Peripherals
OTU0184	3	1	1	0	-1,28875896	0	Peripherals
OTU0432	8	1	1	0	-1,48740029	0	Peripherals
OTU0330	11	6	6	0	-1,05902141	0	Peripherals
OTU0743	5	9	9	0	1	0	Peripherals
OTU0390	8	9	9	0	-0,22976102	0	Peripherals
OTU0584	1	2	2	0	-1,41248408	0	Peripherals
OTU0428	3	6	4	2	-0,32218974	0,44444444	Peripherals
OTU0511	8	8	6	2	-0,70137575	0,40625	Peripherals
OTU0509	8	7	5	2	-0,85858065	0,44897959	Peripherals
OTU0895	10	4	1	3	-1,5	0,625	Connector
OTU0589	1	7	4	3	-1,19448011	0,57142857	Peripherals
OTU0573	10	5	3	2	0,5	0,56	Peripherals

OTU0065	3	8	8	0	0,96656922	0	Peripherals
OTU0303	3	5	5	0	0	0	Peripherals
OTU0365	3	3	1	2	-1,28875896	0,66666667	Connector
OTU0317	8	9	9	0	-0,22976102	0	Peripherals
OTU0903	8	7	7	0	-0,54417084	0	Peripherals
OTU0108	8	3	2	1	-1,33019538	0,44444444	Peripherals
OTU0899	1	2	2	0	-1,41248408	0	Peripherals
OTU0142	5	7	7	0	0	0	Peripherals
OTU0852	8	9	9	0	-0,22976102	0	Peripherals
OTU0738	8	6	3	3	-1,17299047	0,5	Peripherals
OTU0605	3	5	4	1	-0,32218974	0,32	Peripherals
OTU0570	1	7	4	3	-1,19448011	0,48979592	Peripherals
OTU0126	8	2	2	0	-1,33019538	0	Peripherals
OTU0057	3	7	4	3	-0,32218974	0,57142857	Peripherals
OTU0178	3	4	4	0	-0,32218974	0	Peripherals
OTU0572	7	2	1	1	-1,10833761	0,5	Peripherals
OTU0535	8	3	3	0	-1,17299047	0	Peripherals
OTU0069	1	5	3	2	-1,3034821	0,56	Peripherals
OTU0757	1	7	7	0	-0,86747415	0	Peripherals
OTU0737	3	2	2	0	-0,96656922	0	Peripherals
OTU0822	1	3	3	0	-1,3034821	0	Peripherals
OTU0018	7	2	2	0	-0,68611376	0	Peripherals
OTU0783	8	3	3	0	-1,17299047	0	Peripherals
OTU0192	8	6	3	3	-1,17299047	0,61111111	Peripherals
OTU0494	11	6	6	0	-1,05902141	0	Peripherals
OTU0825	3	1	1	0	-1,28875896	0	Peripherals
OTU0866	3	2	2	0	-0,96656922	0	Peripherals
OTU0484	1	5	5	0	-1,08547812	0	Peripherals
OTU0242	7	3	3	0	-0,26388991	0	Peripherals
OTU0594	4	1	1	0	-1,49255579	0	Peripherals
OTU0236	10	2	2	0	-0,5	0	Peripherals
OTU0439	8	4	2	2	-1,33019538	0,625	Connector
OTU0367	7	3	2	1	-0,68611376	0,44444444	Peripherals
OTU0443	10	4	3	1	0,5	0,375	Peripherals
OTU0042	10	2	1	1	-1,5	0,5	Peripherals
OTU0299	8	5	3	2	-1,17299047	0,56	Peripherals
OTU0172	7	3	1	2	-1,10833761	0,66666667	Connector
OTU0063	3	4	2	2	-0,96656922	0,5	Peripherals
OTU0171	1	3	3	0	-1,3034821	0	Peripherals
OTU0708	7	1	1	0	-1,10833761	0	Peripherals
OTU0173	1	2	1	1	-1,52148607	0,5	Peripherals
OTU0496	5	2	2	0	-2,5	0	Peripherals

OTU0522	1	2	2	0	-1,41248408	0	Peripherals
OTU0092	4	1	1	0	-1,49255579	0	Peripherals
OTU0801	3	1	1	0	-1,28875896	0	Peripherals
OTU0910	1	1	1	0	-1,52148607	0	Peripherals
OTU0112	1	1	1	0	-1,52148607	0	Peripherals

C Placebo bath treatment:

Node	Module	Edges			Zi (within)	pi(outside)	Role
		All	Inside Module	Outside Module			
OTU0446	5	9	4	5	-0,96164943	0,49382716	Peripherals
OTU0907	6	15	14	1	0,66011525	0,12444444	Peripherals
OTU0187	7	28	19	9	-0,01834612	0,45663265	Peripherals
OTU0192	7	34	26	8	0,68084479	0,35986159	Peripherals
OTU0243	5	1	1	0	-1,48938388	0	Peripherals
OTU0714	5	7	3	4	-1,13756092	0,65306122	Connector
OTU0190	7	30	24	6	0,48107596	0,32	Peripherals
OTU0892	10	16	16	0	1,32041575	0	Peripherals
OTU0056	10	13	13	0	0,55017323	0	Peripherals
OTU0462	7	13	9	4	-1,01719027	0,4260355	Peripherals
OTU0184	7	30	24	6	0,48107596	0,32	Peripherals
OTU0830	7	38	25	13	0,58096038	0,48199446	Peripherals
OTU0736	7	29	20	9	0,0815383	0,49702735	Peripherals
OTU0569	7	25	23	2	0,38119155	0,1472	Peripherals
OTU0174	6	18	16	2	1,01742534	0,19753086	Peripherals
OTU0713	6	12	11	1	0,12415012	0,15277778	Peripherals
OTU0712	6	16	15	1	0,83877029	0,1171875	Peripherals
OTU0852	3	10	10	0	0,14968576	0	Peripherals
OTU0647	3	11	11	0	0,33305081	0	Peripherals
OTU0593	6	20	18	2	1,37473543	0,18	Peripherals
OTU0804	6	16	15	1	0,83877029	0,1171875	Peripherals
OTU0182	2	14	10	4	3,12042672	0,43877551	Module Hub
OTU0371	3	13	12	1	0,51641586	0,14201183	Peripherals
OTU0181	3	12	12	0	0,51641586	0	Peripherals
OTU0176	10	19	18	1	1,83391077	0,09972299	Peripherals
OTU0043	10	14	13	1	0,55017323	0,13265306	Peripherals
OTU0573	10	12	12	0	0,29342572	0	Peripherals
OTU0305	10	11	10	1	-0,22006929	0,16528926	Peripherals
OTU0831	3	8	5	3	-0,7671395	0,46875	Peripherals
OTU0435	3	10	10	0	0,14968576	0	Peripherals
OTU0002	6	13	13	0	0,4814602	0	Peripherals
OTU0889	6	20	17	3	1,19608038	0,27	Peripherals

OTU0524	10	14	12	2	0,29342572	0,25510204	Peripherals
OTU0458	10	15	14	1	0,80692074	0,12444444	Peripherals
OTU0577	7	29	25	4	0,58096038	0,24494649	Peripherals
OTU0649	7	28	27	1	0,78072921	0,06887755	Peripherals
OTU0359	7	40	34	6	1,47992012	0,26125	Peripherals
OTU0093	7	17	15	2	-0,41788378	0,20761246	Peripherals
OTU0258	3	21	11	10	0,33305081	0,49886621	Peripherals
OTU0906	3	9	6	3	-0,58377445	0,44444444	Peripherals
OTU0007	3	12	12	0	0,51641586	0	Peripherals
OTU0217	3	23	16	7	1,24987606	0,42344045	Peripherals
OTU0744	2	10	9	1	2,64442943	0,18	Module Hub
OTU0421	2	4	3	1	-0,21155435	0,375	Peripherals
OTU0423	6	17	17	0	1,19608038	0	Peripherals
OTU0390	6	15	15	0	0,83877029	0	Peripherals
OTU0245	6	17	17	0	1,19608038	0	Peripherals
OTU0119	6	33	31	2	3,697251	0,11570248	Module Hub
OTU0652	3	12	7	5	-0,4004094	0,48611111	Peripherals
OTU0809	3	17	17	0	1,43324111	0	Peripherals
OTU0215	3	24	23	1	2,53343142	0,07986111	Module Hub
OTU0698	3	6	4	2	-0,95050455	0,5	Peripherals
OTU0052	3	8	7	1	-0,4004094	0,21875	Peripherals
OTU0400	6	13	12	1	0,30280516	0,14201183	Peripherals
OTU0769	6	14	14	0	0,66011525	0	Peripherals
OTU0644	3	30	11	19	0,33305081	0,50444444	Peripherals
OTU0069	7	20	14	6	-0,5177682	0,445	Peripherals
OTU0399	7	32	29	3	0,98049804	0,16992188	Peripherals
OTU0807	7	5	5	0	-1,41672794	0	Peripherals
OTU0028	7	39	27	12	0,78072921	0,44049967	Peripherals
OTU0416	7	22	17	5	-0,21811495	0,38429752	Peripherals
OTU0535	6	3	2	1	-1,48374528	0,44444444	Peripherals
OTU0584	6	5	5	0	-0,94778015	0	Peripherals
OTU0358	10	11	11	0	0,03667822	0	Peripherals
OTU0016	10	9	9	0	-0,4768168	0	Peripherals
OTU0654	7	23	18	5	-0,11823053	0,35538752	Peripherals
OTU0937	3	14	14	0	0,88314596	0	Peripherals
OTU0538	3	29	15	14	1,06651101	0,49940547	Peripherals
OTU0107	6	16	13	3	0,4814602	0,328125	Peripherals
OTU0137	7	46	35	11	1,57980453	0,37334594	Peripherals
OTU0333	3	37	11	26	0,33305081	0,41782323	Peripherals
OTU0330	7	24	14	10	-0,5177682	0,60763889	Peripherals
OTU0642	3	15	12	3	0,51641586	0,32	Peripherals
OTU0724	3	14	13	1	0,69978091	0,13265306	Peripherals

OTU0240	1	7	6	1	0,46551508	0,24489796	Peripherals
OTU0329	1	7	6	1	0,46551508	0,24489796	Peripherals
OTU0519	8	9	5	4	0,02103516	0,61728395	Peripherals
OTU0061	8	8	6	2	0,42070316	0,40625	Peripherals
OTU0585	2	8	5	3	0,74044024	0,46875	Peripherals
OTU0490	3	9	4	5	-0,95050455	0,49382716	Peripherals
OTU0175	3	17	17	0	1,43324111	0	Peripherals
OTU0319	3	17	17	0	1,43324111	0	Peripherals
OTU0433	5	15	15	0	0,97337687	0	Peripherals
OTU0449	5	13	13	0	0,6215539	0	Peripherals
OTU0499	6	9	4	5	-1,12643519	0,66666667	Connector
OTU0276	6	5	3	2	-1,30509024	0,56	Peripherals
OTU0930	3	8	7	1	-0,4004094	0,21875	Peripherals
OTU0186	3	12	10	2	0,14968576	0,27777778	Peripherals
OTU0159	1	4	4	0	-0,34913631	0	Peripherals
OTU0241	1	7	7	0	0,87284077	0	Peripherals
OTU0075	7	21	19	2	-0,01834612	0,1723356	Peripherals
OTU0764	3	31	18	13	1,61660616	0,53485952	Peripherals
OTU0553	7	36	33	3	1,3800357	0,15277778	Peripherals
OTU0145	7	32	25	7	0,58096038	0,34179688	Peripherals
OTU0375	6	14	14	0	0,66011525	0	Peripherals
OTU0440	5	19	19	0	1,67702279	0	Peripherals
OTU0528	3	7	6	1	-0,58377445	0,24489796	Peripherals
OTU0476	7	38	30	8	1,08038245	0,34210526	Peripherals
OTU0754	3	6	3	3	-1,1338696	0,66666667	Connector
OTU0911	2	3	1	2	-1,16354895	0,44444444	Peripherals
OTU0896	5	15	15	0	0,97337687	0	Peripherals
OTU0575	10	16	16	0	1,32041575	0	Peripherals
OTU0817	6	17	16	1	1,01742534	0,11072664	Peripherals
OTU0902	6	12	11	1	0,12415012	0,15277778	Peripherals
OTU0122	6	13	11	2	0,12415012	0,27218935	Peripherals
OTU0374	10	10	8	2	-0,73356431	0,32	Peripherals
OTU0740	6	18	17	1	1,19608038	0,10493827	Peripherals
OTU0438	5	14	14	0	0,79746538	0	Peripherals
OTU0745	6	10	9	1	-0,23315997	0,18	Peripherals
OTU0437	5	8	8	0	-0,25800351	0	Peripherals
OTU0921	7	28	26	2	0,68084479	0,13265306	Peripherals
OTU0369	3	17	15	2	1,06651101	0,21453287	Peripherals
OTU0133	3	17	17	0	1,43324111	0	Peripherals
OTU0140	7	5	5	0	-1,41672794	0	Peripherals
OTU0432	5	15	15	0	0,97337687	0	Peripherals
OTU0493	3	14	14	0	0,88314596	0	Peripherals

OTU0285	1	8	8	0	1,28016647	0	Peripherals
OTU0296	1	5	5	0	0,05818938	0	Peripherals
OTU0618	7	15	14	1	-0,5177682	0,12444444	Peripherals
OTU0762	10	11	9	2	-0,4768168	0,31404959	Peripherals
OTU0328	10	13	11	2	0,03667822	0,27218935	Peripherals
OTU0878	3	20	20	0	1,98333627	0	Peripherals
OTU0273	5	18	18	0	1,50111131	0	Peripherals
OTU0200	3	3	2	1	-1,31723465	0,44444444	Peripherals
OTU0456	3	14	14	0	0,88314596	0	Peripherals
OTU0108	6	9	7	2	-0,59047006	0,37037037	Peripherals
OTU0628	10	12	12	0	0,29342572	0	Peripherals
OTU0795	8	1	1	0	-1,57763686	0	Peripherals
OTU0370	8	7	7	0	0,82037117	0	Peripherals
OTU0038	7	31	28	3	0,88061362	0,1748179	Peripherals
OTU0755	6	15	15	0	0,83877029	0	Peripherals
OTU0730	7	9	7	2	-1,2169591	0,34567901	Peripherals
OTU0334	7	9	5	4	-1,41672794	0,61728395	Peripherals
OTU0111	1	8	8	0	1,28016647	0	Peripherals
OTU0125	6	8	4	4	-1,12643519	0,59375	Peripherals
OTU0910	7	33	30	3	1,08038245	0,16896235	Peripherals
OTU0629	5	15	15	0	0,97337687	0	Peripherals
OTU0903	5	11	10	1	0,09381946	0,16528926	Peripherals
OTU0790	3	11	10	1	0,14968576	0,16528926	Peripherals
OTU0091	7	13	5	8	-1,41672794	0,55621302	Peripherals
OTU0365	10	9	5	4	-1,50380683	0,56790123	Peripherals
OTU0387	3	14	14	0	0,88314596	0	Peripherals
OTU0073	6	14	14	0	0,66011525	0	Peripherals
OTU0605	6	10	10	0	-0,05450493	0	Peripherals
OTU0540	7	28	26	2	0,68084479	0,13520408	Peripherals
OTU0036	3	17	14	3	0,88314596	0,29065744	Peripherals
OTU0242	3	7	7	0	-0,4004094	0	Peripherals
OTU0733	6	18	10	8	-0,05450493	0,61111111	Peripherals
OTU0603	8	7	4	3	-0,37863285	0,57142857	Peripherals
OTU0895	3	12	12	0	0,51641586	0	Peripherals
OTU0126	6	17	17	0	1,19608038	0	Peripherals
OTU0706	1	7	7	0	0,87284077	0	Peripherals
OTU0756	1	6	6	0	0,46551508	0	Peripherals
OTU0279	7	43	33	10	1,3800357	0,3569497	Peripherals
OTU0198	7	29	26	3	0,68084479	0,18549346	Peripherals
OTU0336	2	2	2	0	-0,68755165	0	Peripherals
OTU0789	2	4	4	0	0,26444294	0	Peripherals
OTU0461	3	15	14	1	0,88314596	0,12444444	Peripherals

OTU0512	7	29	27	2	0,78072921	0,12841855	Peripherals
OTU0455	7	3	2	1	-1,71638118	0,44444444	Peripherals
OTU0692	6	10	5	5	-0,94778015	0,64	Connector
OTU0509	3	18	18	0	1,61660616	0	Peripherals
OTU0405	7	15	10	5	-0,91730586	0,48	Peripherals
OTU0673	3	24	10	14	0,14968576	0,48611111	Peripherals
OTU0022	7	33	24	9	0,48107596	0,39669421	Peripherals
OTU0396	7	10	5	5	-1,41672794	0,66	Connector
OTU0859	3	15	12	3	0,51641586	0,32	Peripherals
OTU0671	2	6	6	0	1,21643754	0	Peripherals
OTU0670	2	4	3	1	-0,21155435	0,375	Peripherals
OTU0398	3	5	4	1	-0,95050455	0,32	Peripherals
OTU0265	7	35	33	2	1,3800357	0,10938776	Peripherals
OTU0078	3	16	15	1	1,06651101	0,1171875	Peripherals
OTU0912	7	20	19	1	-0,01834612	0,095	Peripherals
OTU0317	7	2	2	0	-1,71638118	0	Peripherals
OTU0856	7	22	20	2	0,0815383	0,16528926	Peripherals
OTU0836	3	20	9	11	-0,0336793	0,67	Connector
OTU0427	2	7	2	5	-0,68755165	0,69387755	Connector
OTU0597	6	15	15	0	0,83877029	0	Peripherals
OTU0295	6	8	8	0	-0,41181502	0	Peripherals
OTU0492	3	15	15	0	1,06651101	0	Peripherals
OTU0633	3	14	14	0	0,88314596	0	Peripherals
OTU0231	3	9	9	0	-0,0336793	0	Peripherals
OTU0006	6	13	13	0	0,4814602	0	Peripherals
OTU0806	6	10	9	1	-0,23315997	0,18	Peripherals
OTU0274	10	12	11	1	0,03667822	0,15277778	Peripherals
OTU0483	10	12	12	0	0,29342572	0	Peripherals
OTU0842	1	8	8	0	1,28016647	0	Peripherals
OTU0866	1	3	3	0	-0,756462	0	Peripherals
OTU0029	8	13	6	7	0,42070316	0,69822485	Connector
OTU0134	3	5	3	2	-1,1338696	0,56	Peripherals
OTU0127	3	2	2	0	-1,31723465	0	Peripherals
OTU0124	3	4	4	0	-0,95050455	0	Peripherals
OTU0084	6	8	8	0	-0,41181502	0	Peripherals
OTU0311	8	6	6	0	0,42070316	0	Peripherals
OTU0123	8	4	3	1	-0,77830085	0,375	Peripherals
OTU0100	1	4	2	2	-1,1637877	0,625	Connector
OTU0514	1	4	3	1	-0,756462	0,375	Peripherals
OTU0429	3	11	11	0	0,33305081	0	Peripherals
OTU0081	3	9	9	0	-0,0336793	0	Peripherals
OTU0933	6	3	3	0	-1,30509024	0	Peripherals

OTU0641	6	6	3	3	-1,30509024	0,61111111	Peripherals
OTU0381	2	4	3	1	-0,21155435	0,375	Peripherals
OTU0899	2	6	6	0	1,21643754	0	Peripherals
OTU0169	3	4	3	1	-1,1338696	0,375	Peripherals
OTU0373	7	28	24	4	0,48107596	0,24489796	Peripherals
OTU0430	3	17	17	0	1,43324111	0	Peripherals
OTU0383	3	3	3	0	-1,1338696	0	Peripherals
OTU0697	5	12	12	0	0,44564242	0	Peripherals
OTU0635	10	4	3	1	-2,01730184	0,375	Peripherals
OTU0626	5	13	13	0	0,6215539	0	Peripherals
OTU0201	8	1	1	0	-1,57763686	0	Peripherals
OTU0925	8	4	2	2	-1,17796885	0,625	Connector
OTU0510	3	10	10	0	0,14968576	0	Peripherals
OTU0486	3	17	11	6	0,33305081	0,53979239	Peripherals
OTU0489	3	22	19	3	1,79997121	0,23553719	Peripherals
OTU0053	3	2	2	0	-1,31723465	0	Peripherals
OTU0197	6	10	9	1	-0,23315997	0,18	Peripherals
OTU0885	3	2	2	0	-1,31723465	0	Peripherals
OTU0607	3	4	4	0	-0,95050455	0	Peripherals
OTU0600	3	10	8	2	-0,21704435	0,34	Peripherals
OTU0304	8	7	5	2	0,02103516	0,40816327	Peripherals
OTU0897	5	13	13	0	0,6215539	0	Peripherals
OTU0183	6	15	15	0	0,83877029	0	Peripherals
OTU0142	6	14	14	0	0,66011525	0	Peripherals
OTU0922	8	5	4	1	-0,37863285	0,32	Peripherals
OTU0039	6	8	6	2	-0,76912511	0,40625	Peripherals
OTU0822	2	9	3	6	-0,21155435	0,64197531	Connector
OTU0452	3	3	3	0	-1,1338696	0	Peripherals
OTU0412	3	12	12	0	0,51641586	0	Peripherals
OTU0237	5	11	9	2	-0,08209202	0,29752066	Peripherals
OTU0082	5	17	17	0	1,32519983	0	Peripherals
OTU0411	6	15	14	1	0,66011525	0,12444444	Peripherals
OTU0269	8	7	6	1	0,42070316	0,24489796	Peripherals
OTU0484	3	4	4	0	-0,95050455	0	Peripherals
OTU0828	3	12	12	0	0,51641586	0	Peripherals
OTU0505	3	13	13	0	0,69978091	0	Peripherals
OTU0150	3	12	9	3	-0,0336793	0,375	Peripherals
OTU0737	3	8	8	0	-0,21704435	0	Peripherals
OTU0522	10	11	11	0	0,03667822	0	Peripherals
OTU0482	2	2	2	0	-0,68755165	0	Peripherals
OTU0900	2	7	6	1	1,21643754	0,24489796	Peripherals
OTU0049	6	7	6	1	-0,76912511	0,24489796	Peripherals

OTU0154	2	4	3	1	-0,21155435	0,375	Peripherals
OTU0719	2	3	3	0	-0,21155435	0	Peripherals
OTU0167	3	15	11	4	0,33305081	0,42666667	Peripherals
OTU0042	3	17	17	0	1,43324111	0	Peripherals
OTU0705	5	7	7	0	-0,43391499	0	Peripherals
OTU0624	1	5	2	3	-1,1637877	0,48	Peripherals
OTU0051	6	13	12	1	0,30280516	0,14201183	Peripherals
OTU0936	2	3	3	0	-0,21155435	0	Peripherals
OTU0099	5	14	13	1	0,6215539	0,13265306	Peripherals
OTU0748	7	2	2	0	-1,71638118	0	Peripherals
OTU0283	5	17	17	0	1,32519983	0	Peripherals
OTU0542	3	28	17	11	1,43324111	0,47704082	Peripherals
OTU0516	3	29	16	13	1,24987606	0,52318668	Peripherals
OTU0669	3	9	7	2	-0,4004094	0,34567901	Peripherals
OTU0604	6	9	8	1	-0,41181502	0,19753086	Peripherals
OTU0466	3	9	9	0	-0,0336793	0	Peripherals
OTU0761	8	1	1	0	-1,57763686	0	Peripherals
OTU0092	6	8	6	2	-0,76912511	0,375	Peripherals
OTU0825	6	7	5	2	-0,94778015	0,40816327	Peripherals
OTU0065	6	7	5	2	-0,94778015	0,40816327	Peripherals
OTU0220	3	4	4	0	-0,95050455	0	Peripherals
OTU0407	3	9	9	0	-0,0336793	0	Peripherals
OTU0335	1	10	5	5	0,05818938	0,66	Connector
OTU0026	5	4	4	0	-0,96164943	0	Peripherals
OTU0447	5	11	9	2	-0,08209202	0,29752066	Peripherals
OTU0630	10	2	2	0	-2,27404935	0	Peripherals
OTU0543	7	25	24	1	0,48107596	0,0768	Peripherals
OTU0537	6	6	4	2	-1,12643519	0,5	Peripherals
OTU0442	2	4	3	1	-0,21155435	0,375	Peripherals
OTU0494	2	6	2	4	-0,68755165	0,44444444	Peripherals
OTU0708	3	5	2	3	-1,31723465	0,64	Connector
OTU0340	8	6	6	0	0,42070316	0	Peripherals
OTU0259	8	19	11	8	2,41904318	0,59279778	Peripherals
OTU0264	8	8	6	2	0,42070316	0,375	Peripherals
OTU0602	3	5	4	1	-0,95050455	0,32	Peripherals
OTU0893	5	3	3	0	-1,13756092	0	Peripherals
OTU0275	1	9	9	0	1,68749216	0	Peripherals
OTU0420	3	14	14	0	0,88314596	0	Peripherals
OTU0074	6	10	9	1	-0,23315997	0,18	Peripherals
OTU0235	1	3	2	1	-1,1637877	0,44444444	Peripherals
OTU0743	1	7	6	1	0,46551508	0,24489796	Peripherals
OTU0592	8	8	8	0	1,22003917	0	Peripherals

OTU0909	2	4	4	0	0,26444294	0	Peripherals
OTU0165	2	4	4	0	0,26444294	0	Peripherals
OTU0199	3	11	5	6	-0,7671395	0,67768595	Connector
OTU0448	2	2	2	0	-0,68755165	0	Peripherals
OTU0742	1	3	3	0	-0,756462	0	Peripherals
OTU0352	6	7	4	3	-1,12643519	0,57142857	Peripherals
OTU0318	5	7	4	3	-0,96164943	0,48979592	Peripherals
OTU0177	6	9	9	0	-0,23315997	0	Peripherals
OTU0148	2	4	4	0	0,26444294	0	Peripherals
OTU0086	2	4	4	0	0,26444294	0	Peripherals
OTU0366	2	4	4	0	0,26444294	0	Peripherals
OTU0410	7	9	4	5	-1,51661235	0,69135802	Connector
OTU0057	8	8	6	2	0,42070316	0,375	Peripherals
OTU0189	3	5	5	0	-0,7671395	0	Peripherals
OTU0203	3	2	2	0	-1,31723465	0	Peripherals
OTU0525	6	1	1	0	-1,66240033	0	Peripherals
OTU0234	2	5	3	2	-0,21155435	0,48	Peripherals
OTU0014	3	1	1	0	-1,5005997	0	Peripherals
OTU0663	3	3	3	0	-1,1338696	0	Peripherals
OTU0814	2	2	1	1	-1,16354895	0,5	Peripherals
OTU0050	3	2	2	0	-1,31723465	0	Peripherals
OTU0298	2	3	3	0	-0,21155435	0	Peripherals
OTU0292	2	2	2	0	-0,68755165	0	Peripherals
OTU0536	2	8	7	1	1,69243483	0,21875	Peripherals
OTU0367	6	5	5	0	-0,94778015	0	Peripherals
OTU0570	3	4	4	0	-0,95050455	0	Peripherals
OTU0684	7	2	2	0	-1,71638118	0	Peripherals
OTU0088	2	3	2	1	-0,68755165	0,44444444	Peripherals
OTU0610	5	3	3	0	-1,13756092	0	Peripherals
OTU0801	5	2	2	0	-1,3134724	0	Peripherals
OTU0431	6	3	3	0	-1,30509024	0	Peripherals
OTU0478	2	1	1	0	-1,16354895	0	Peripherals
OTU0138	3	4	4	0	-0,95050455	0	Peripherals
OTU0299	2	4	2	2	-0,68755165	0,5	Peripherals
OTU0480	3	1	1	0	-1,5005997	0	Peripherals
OTU0168	3	2	1	1	-1,5005997	0,5	Peripherals
OTU0178	5	4	4	0	-0,96164943	0	Peripherals
OTU0891	1	1	1	0	-1,57111339	0	Peripherals
OTU0474	3	3	3	0	-1,1338696	0	Peripherals
OTU0717	3	1	1	0	-1,5005997	0	Peripherals
OTU0572	6	2	2	0	-1,48374528	0	Peripherals
OTU0465	3	6	6	0	-0,58377445	0	Peripherals

OTU0812	5	2	2	0	-1,3134724	0	Peripherals
OTU0315	5	2	2	0	-1,3134724	0	Peripherals
OTU0612	3	2	2	0	-1,31723465	0	Peripherals
OTU0511	2	1	1	0	-1,16354895	0	Peripherals
OTU0621	3	1	1	0	-1,5005997	0	Peripherals
OTU0932	2	1	1	0	-1,16354895	0	Peripherals
OTU0314	1	1	1	0	-1,57111339	0	Peripherals

D merged network with the differences in the topological role between all three bath treatments

Node	Module	Edges			Zi (within)	pi(outside)	Rolle
		Inside	Outside				
		All	Module	Module			
OTU0932	1	1	1	0	-1,17260394	0	Peripherals
OTU0511	1	1	1	0	-1,17260394	0	Peripherals
OTU0612	3	2	2	0	-1,26267274	0	Peripherals
OTU0717	3	1	1	0	-1,45077	0	Peripherals
OTU0801	4	2	2	0	-1,37919905	0	Peripherals
OTU0610	4	3	3	0	-1,1523571	0	Peripherals
OTU0088	1	3	2	1	-0,63960215	0,44444444	Peripherals
OTU0684	5	2	2	0	-1,74843654	0	Peripherals
OTU0367	6	5	5	0	-0,81843962	0	Peripherals
OTU0480	3	1	1	0	-1,45077	0	Peripherals
OTU0663	3	3	3	0	-1,07457547	0	Peripherals
OTU0014	3	1	1	0	-1,45077	0	Peripherals
OTU0234	7	5	3	2	-0,72140842	0,48	Peripherals
OTU0742	8	3	3	0	-0,34956332	0	Peripherals
OTU0298	1	3	3	0	-0,10660036	0	Peripherals
OTU0165	1	4	4	0	0,42640143	0	Peripherals
OTU0240	8	2	2	0	-0,84893949	0	Peripherals
OTU0743	8	7	6	1	1,14856519	0,24489796	Peripherals
OTU0893	4	1	1	0	-1,606041	0	Peripherals
OTU0442	7	4	3	1	-0,72140842	0,375	Peripherals
OTU0447	6	5	2	3	-1,35579897	0,48	Peripherals
OTU0178	4	4	4	0	-0,92551515	0	Peripherals
OTU0936	1	3	3	0	-0,10660036	0	Peripherals
OTU0292	1	2	2	0	-0,63960215	0	Peripherals
OTU0719	1	3	3	0	-0,10660036	0	Peripherals
OTU0482	1	2	2	0	-0,63960215	0	Peripherals
OTU0026	4	3	3	0	-1,1523571	0	Peripherals
OTU0412	3	12	12	0	0,61829992	0	Peripherals
OTU0897	4	11	11	0	0,66237849	0	Peripherals
OTU0057	7	6	5	1	0,19674775	0,27777778	Peripherals

OTU0304	7	7	5	2	0,19674775	0,40816327	Peripherals
OTU0220	3	3	3	0	-1,07457547	0	Peripherals
OTU0053	3	2	2	0	-1,26267274	0	Peripherals
OTU0201	3	1	1	0	-1,45077	0	Peripherals
OTU0761	7	1	1	0	-1,63956459	0	Peripherals
OTU0123	7	4	3	1	-0,72140842	0,375	Peripherals
OTU0452	3	3	3	0	-1,07457547	0	Peripherals
OTU0127	3	2	2	0	-1,26267274	0	Peripherals
OTU0592	7	8	8	0	1,57398201	0	Peripherals
OTU0269	7	6	5	1	0,19674775	0,27777778	Peripherals
OTU0340	7	6	6	0	0,65582584	0	Peripherals
OTU0039	6	8	7	1	-0,46020006	0,21875	Peripherals
OTU0029	7	12	7	5	1,11490392	0,58333333	Peripherals
OTU0275	8	4	4	0	0,14981285	0	Peripherals
OTU0600	3	8	6	2	-0,51028367	0,40625	Peripherals
OTU0885	3	2	2	0	-1,26267274	0	Peripherals
OTU0597	6	13	13	0	0,61451864	0	Peripherals
OTU0448	7	2	2	0	-1,1804865	0	Peripherals
OTU0909	1	4	4	0	0,42640143	0	Peripherals
OTU0352	6	6	4	2	-0,9975594	0,5	Peripherals
OTU0065	6	7	5	2	-0,81843962	0,40816327	Peripherals
OTU0126	6	17	16	1	1,15187799	0,11072664	Peripherals
OTU0259	7	17	10	7	2,49213818	0,58131488	Peripherals
OTU0603	7	6	4	2	-0,26233033	0,5	Peripherals
OTU0733	6	18	10	8	0,07715929	0,61111111	Peripherals
OTU0933	6	3	3	0	-1,17667919	0	Peripherals
OTU0317	5	2	2	0	-1,74843654	0	Peripherals
OTU0334	5	9	5	4	-1,42892529	0,61728395	Peripherals
OTU0049	6	7	6	1	-0,63931984	0,24489796	Peripherals
OTU0755	6	14	14	0	0,79363842	0	Peripherals
OTU0795	7	1	1	0	-1,63956459	0	Peripherals
OTU0525	6	1	1	0	-1,53491875	0	Peripherals
OTU0484	3	4	4	0	-0,8864782	0	Peripherals
OTU0189	3	4	4	0	-0,8864782	0	Peripherals
OTU0494	7	4	3	1	-0,72140842	0,375	Peripherals
OTU0641	6	5	3	2	-1,17667919	0,48	Peripherals
OTU0762	10	5	3	2	-1,85696145	0,56	Peripherals
OTU0231	3	9	9	0	0,05400813	0	Peripherals
OTU0633	3	14	14	0	0,99449446	0	Peripherals
OTU0708	3	5	2	3	-1,26267274	0,64	Connector
OTU0737	3	8	8	0	-0,13408914	0	Peripherals
OTU0125	3	7	4	3	-0,8864782	0,48979592	Peripherals

OTU0902	6	8	7	1	-0,46020006	0,21875	Peripherals
OTU0817	6	11	11	0	0,25627907	0	Peripherals
OTU0283	4	8	8	0	-0,01814736	0	Peripherals
OTU0697	4	11	11	0	0,66237849	0	Peripherals
OTU0099	4	8	7	1	-0,24498931	0,21875	Peripherals
OTU0896	4	11	11	0	0,66237849	0	Peripherals
OTU0456	3	14	14	0	0,99449446	0	Peripherals
OTU0754	3	6	3	3	-1,07457547	0,66666667	Connector
OTU0626	4	9	9	0	0,20869459	0	Peripherals
OTU0629	4	10	10	0	0,43553654	0	Peripherals
OTU0082	4	13	13	0	1,11606239	0	Peripherals
OTU0440	4	12	10	2	0,43553654	0,27777778	Peripherals
OTU0335	8	5	1	4	-1,34831566	0,72	Connector
OTU0706	8	7	7	0	1,64794136	0	Peripherals
OTU0756	8	4	4	0	0,14981285	0	Peripherals
OTU0866	8	3	3	0	-0,34956332	0	Peripherals
OTU0285	8	5	5	0	0,64918902	0	Peripherals
OTU0329	8	2	2	0	-0,84893949	0	Peripherals
OTU0111	8	3	3	0	-0,34956332	0	Peripherals
OTU0241	8	7	7	0	1,64794136	0	Peripherals
OTU0159	8	4	4	0	0,14981285	0	Peripherals
OTU0237	4	11	8	3	-0,01814736	0,42975207	Peripherals
OTU0383	3	3	3	0	-1,07457547	0	Peripherals
OTU0050	3	2	2	0	-1,26267274	0	Peripherals
OTU0430	3	17	17	0	1,55878625	0	Peripherals
OTU0930	3	8	7	1	-0,32218641	0,21875	Peripherals
OTU0100	8	4	2	2	-0,84893949	0,625	Connector
OTU0154	1	4	3	1	-0,10660036	0,375	Peripherals
OTU0572	6	2	2	0	-1,35579897	0	Peripherals
OTU0276	6	5	3	2	-1,17667919	0,56	Peripherals
OTU0903	4	11	10	1	0,43553654	0,16528926	Peripherals
OTU0432	4	15	14	1	1,34290434	0,12444444	Peripherals
OTU0437	4	6	5	1	-0,6986732	0,27777778	Peripherals
OTU0438	4	14	14	0	1,34290434	0	Peripherals
OTU0433	4	10	9	1	0,20869459	0,18	Peripherals
OTU0602	3	5	4	1	-0,8864782	0,32	Peripherals
OTU0899	7	6	6	0	0,65582584	0	Peripherals
OTU0381	7	4	3	1	-0,72140842	0,375	Peripherals
OTU0585	7	8	5	3	0,19674775	0,46875	Peripherals
OTU0427	7	6	5	1	0,19674775	0,27777778	Peripherals
OTU0061	7	8	7	1	1,11490392	0,21875	Peripherals
OTU0519	7	9	6	3	0,65582584	0,49382716	Peripherals

OTU0242	3	7	7	0	-0,32218641	0	Peripherals
OTU0016	10	9	9	0	-0,08842674	0	Peripherals
OTU0584	6	5	5	0	-0,81843962	0	Peripherals
OTU0535	6	3	2	1	-1,35579897	0,44444444	Peripherals
OTU0499	6	7	5	2	-0,81843962	0,40816327	Peripherals
OTU0654	5	19	15	4	-0,36388781	0,34903047	Peripherals
OTU0807	5	5	5	0	-1,42892529	0	Peripherals
OTU0122	6	12	11	1	0,25627907	0,15277778	Peripherals
OTU0730	5	8	6	2	-1,32242154	0,375	Peripherals
OTU0465	3	6	6	0	-0,51028367	0	Peripherals
OTU0570	3	4	4	0	-0,8864782	0	Peripherals
OTU0925	3	3	3	0	-1,07457547	0	Peripherals
OTU0764	3	28	15	13	1,18259172	0,55612245	Peripherals
OTU0420	3	13	13	0	0,80639719	0	Peripherals
OTU0489	3	22	19	3	1,93498078	0,23553719	Peripherals
OTU0724	3	11	10	1	0,24210539	0,16528926	Peripherals
OTU0492	3	13	13	0	0,80639719	0	Peripherals
OTU0505	3	12	12	0	0,61829992	0	Peripherals
OTU0387	3	14	14	0	0,99449446	0	Peripherals
OTU0461	3	15	14	1	0,99449446	0,12444444	Peripherals
OTU0167	3	15	11	4	0,43020266	0,42666667	Peripherals
OTU0809	3	17	17	0	1,55878625	0	Peripherals
OTU0740	6	17	17	0	1,33099777	0	Peripherals
OTU0400	6	13	12	1	0,43539886	0,14201183	Peripherals
OTU0245	6	16	16	0	1,15187799	0	Peripherals
OTU0375	6	14	14	0	0,79363842	0	Peripherals
OTU0423	6	17	17	0	1,33099777	0	Peripherals
OTU0086	1	4	4	0	0,42640143	0	Peripherals
OTU0148	1	4	3	1	-0,10660036	0,375	Peripherals
OTU0299	1	4	2	2	-0,63960215	0,5	Peripherals
OTU0671	7	6	3	3	-0,72140842	0,5	Peripherals
OTU0366	1	4	4	0	0,42640143	0	Peripherals
OTU0859	3	15	12	3	0,61829992	0,32	Peripherals
OTU0528	3	7	6	1	-0,51028367	0,24489796	Peripherals
OTU0895	3	12	12	0	0,61829992	0	Peripherals
OTU0007	3	12	12	0	0,61829992	0	Peripherals
OTU0642	3	13	10	3	0,24210539	0,35502959	Peripherals
OTU0258	3	21	11	10	0,43020266	0,49886621	Peripherals
OTU0825	6	7	5	2	-0,81843962	0,40816327	Peripherals
OTU0512	5	28	26	2	0,80765343	0,13265306	Peripherals
OTU0543	5	21	20	1	0,16863094	0,09070295	Peripherals
OTU0644	3	24	9	15	0,05400813	0,46875	Peripherals

OTU0359	5	37	31	6	1,34017217	0,27903579	Peripherals
OTU0399	5	32	29	3	1,12716467	0,16992188	Peripherals
OTU0137	5	39	29	10	1,12716467	0,39316239	Peripherals
OTU0168	3	2	1	1	-1,45077	0,5	Peripherals
OTU0540	5	27	25	2	0,70114968	0,1399177	Peripherals
OTU0618	5	15	14	1	-0,47039156	0,12444444	Peripherals
OTU0522	10	11	11	0	0,50108484	0	Peripherals
OTU0575	10	11	11	0	0,50108484	0	Peripherals
OTU0577	5	29	25	4	0,70114968	0,24494649	Peripherals
OTU0630	10	2	2	0	-2,15171723	0	Peripherals
OTU0635	7	2	1	1	-1,63956459	0,5	Peripherals
OTU0365	10	9	5	4	-1,26744988	0,56790123	Peripherals
OTU0458	10	12	11	1	0,50108484	0,15277778	Peripherals
OTU0524	10	10	8	2	-0,38318252	0,34	Peripherals
OTU0092	6	8	6	2	-0,63931984	0,375	Peripherals
OTU0605	6	10	10	0	0,07715929	0	Peripherals
OTU0692	6	10	5	5	-0,81843962	0,64	Connector
OTU0073	6	14	14	0	0,79363842	0	Peripherals
OTU0074	6	10	9	1	-0,10196049	0,18	Peripherals
OTU0183	6	14	14	0	0,79363842	0	Peripherals
OTU0197	6	10	9	1	-0,10196049	0,18	Peripherals
OTU0889	6	19	17	2	1,33099777	0,19390582	Peripherals
OTU0002	6	11	11	0	0,25627907	0	Peripherals
OTU0319	3	17	17	0	1,55878625	0	Peripherals
OTU0124	3	4	4	0	-0,8864782	0	Peripherals
OTU0169	3	4	3	1	-1,07457547	0,375	Peripherals
OTU0175	3	17	17	0	1,55878625	0	Peripherals
OTU0673	3	22	9	13	0,05400813	0,48347107	Peripherals
OTU0435	3	10	10	0	0,24210539	0	Peripherals
OTU0537	6	6	4	2	-0,9975594	0,5	Peripherals
OTU0624	8	5	2	3	-0,84893949	0,48	Peripherals
OTU0081	3	8	8	0	-0,13408914	0	Peripherals
OTU0181	3	11	11	0	0,43020266	0	Peripherals
OTU0371	3	12	12	0	0,61829992	0	Peripherals
OTU0822	6	9	4	5	-0,9975594	0,64197531	Connector
OTU0084	6	8	8	0	-0,28108027	0	Peripherals
OTU0108	6	9	8	1	-0,28108027	0,19753086	Peripherals
OTU0745	6	9	8	1	-0,28108027	0,19753086	Peripherals
OTU0142	6	13	13	0	0,61451864	0	Peripherals
OTU0878	3	18	18	0	1,74688352	0	Peripherals
OTU0042	3	16	16	0	1,37068899	0	Peripherals
OTU0407	3	9	9	0	0,05400813	0	Peripherals

OTU0509	3	16	16	0	1,37068899	0	Peripherals
OTU0203	3	2	2	0	-1,26267274	0	Peripherals
OTU0852	3	8	8	0	-0,13408914	0	Peripherals
OTU0410	5	9	4	5	-1,53542904	0,69135802	Connector
OTU0476	5	34	27	7	0,91415717	0,33737024	Peripherals
OTU0486	3	17	11	6	0,43020266	0,53979239	Peripherals
OTU0198	5	27	24	3	0,59464593	0,20301783	Peripherals
OTU0199	3	10	5	5	-0,69838094	0,66	Connector
OTU0542	3	24	17	7	1,55878625	0,41319444	Peripherals
OTU0553	5	36	32	4	1,44667592	0,20216049	Peripherals
OTU0265	5	32	30	2	1,23366842	0,11914063	Peripherals
OTU0279	5	43	33	10	1,55317967	0,3569497	Peripherals
OTU0333	3	37	11	26	0,43020266	0,41782323	Peripherals
OTU0069	5	20	14	6	-0,47039156	0,445	Peripherals
OTU0830	5	34	22	12	0,38163843	0,49307958	Peripherals
OTU0516	3	27	15	12	1,18259172	0,52400549	Peripherals
OTU0405	5	15	10	5	-0,89640655	0,48	Peripherals
OTU0669	3	9	7	2	-0,32218641	0,34567901	Peripherals
OTU0075	5	20	18	2	-0,04437656	0,18	Peripherals
OTU0748	5	2	2	0	-1,74843654	0	Peripherals
OTU0140	5	5	5	0	-1,42892529	0	Peripherals
OTU0184	5	30	24	6	0,59464593	0,32	Peripherals
OTU0462	5	13	9	4	-1,0029103	0,4260355	Peripherals
OTU0374	10	7	5	2	-1,26744988	0,40816327	Peripherals
OTU0483	10	11	11	0	0,50108484	0	Peripherals
OTU0176	10	15	14	1	1,38535219	0,12444444	Peripherals
OTU0573	10	12	12	0	0,79584062	0	Peripherals
OTU0274	10	12	11	1	0,50108484	0,15277778	Peripherals
OTU0628	10	11	11	0	0,50108484	0	Peripherals
OTU0305	10	11	10	1	0,20632905	0,16528926	Peripherals
OTU0328	10	7	6	1	-0,97269409	0,24489796	Peripherals
OTU0043	10	9	8	1	-0,38318252	0,19753086	Peripherals
OTU0056	10	13	13	0	1,09059641	0	Peripherals
OTU0892	10	14	14	0	1,38535219	0	Peripherals
OTU0091	6	12	8	4	-0,28108027	0,44444444	Peripherals
OTU0714	6	7	4	3	-0,9975594	0,57142857	Peripherals
OTU0217	3	22	15	7	1,18259172	0,4338843	Peripherals
OTU0910	5	33	30	3	1,23366842	0,16896235	Peripherals
OTU0912	5	20	19	1	0,06212719	0,095	Peripherals
OTU0736	5	27	19	8	0,06212719	0,46364883	Peripherals
OTU0836	3	17	8	9	-0,13408914	0,62283737	Connector
OTU0856	5	19	17	2	-0,15088031	0,18836565	Peripherals

OTU0330	5	21	14	7	-0,47039156	0,51247166	Peripherals
OTU0373	5	20	19	1	0,06212719	0,095	Peripherals
OTU0093	5	15	13	2	-0,5768953	0,23111111	Peripherals
OTU0416	5	20	15	5	-0,36388781	0,395	Peripherals
OTU0182	1	14	8	6	2,5584086	0,6122449	Module Hub
OTU0190	5	28	22	6	0,38163843	0,33673469	Peripherals
OTU0192	5	33	25	8	0,70114968	0,36730946	Peripherals
OTU0187	5	24	16	8	-0,25738406	0,46875	Peripherals
OTU0390	6	15	15	0	0,9727582	0	Peripherals
OTU0051	6	13	13	0	0,61451864	0	Peripherals
OTU0712	6	16	16	0	1,15187799	0	Peripherals
OTU0713	6	12	12	0	0,43539886	0	Peripherals
OTU0769	6	13	13	0	0,61451864	0	Peripherals
OTU0119	6	31	31	0	3,83867473	0	Module Hub
OTU0705	4	7	5	2	-0,6986732	0,40816327	Peripherals
OTU0411	6	15	15	0	0,9727582	0	Peripherals
OTU0107	6	14	11	3	0,25627907	0,36734694	Peripherals
OTU0174	6	18	18	0	1,51011755	0	Peripherals
OTU0593	6	19	19	0	1,68923733	0	Peripherals
OTU0907	6	14	14	0	0,79363842	0	Peripherals
OTU0446	6	7	6	1	-0,63931984	0,24489796	Peripherals
OTU0314	8	1	1	0	-1,34831566	0	Peripherals
OTU0621	3	1	1	0	-1,45077	0	Peripherals
OTU0315	4	2	2	0	-1,37919905	0	Peripherals
OTU0812	4	2	2	0	-1,37919905	0	Peripherals
OTU0474	3	3	3	0	-1,07457547	0	Peripherals
OTU0138	3	4	4	0	-0,8864782	0	Peripherals
OTU0478	1	1	1	0	-1,17260394	0	Peripherals
OTU0431	6	3	3	0	-1,17667919	0	Peripherals
OTU0536	1	8	6	2	1,49240501	0,40625	Peripherals
OTU0814	1	2	1	1	-1,17260394	0,5	Peripherals
OTU0177	6	9	9	0	-0,10196049	0	Peripherals
OTU0318	6	7	4	3	-0,9975594	0,48979592	Peripherals
OTU0235	8	3	2	1	-0,84893949	0,44444444	Peripherals
OTU0264	7	8	6	2	0,65582584	0,375	Peripherals
OTU0466	3	9	9	0	0,05400813	0	Peripherals
OTU0604	6	9	8	1	-0,28108027	0,19753086	Peripherals
OTU0900	1	7	6	1	1,49240501	0,24489796	Peripherals
OTU0150	3	12	9	3	0,05400813	0,375	Peripherals
OTU0828	3	12	12	0	0,61829992	0	Peripherals
OTU0922	7	5	4	1	-0,26233033	0,32	Peripherals
OTU0607	3	4	4	0	-0,8864782	0	Peripherals

OTU0510	3	10	10	0	0,24210539	0	Peripherals
OTU0429	3	11	11	0	0,43020266	0	Peripherals
OTU0514	8	4	3	1	-0,34956332	0,375	Peripherals
OTU0311	7	6	6	0	0,65582584	0	Peripherals
OTU0134	3	5	3	2	-1,07457547	0,56	Peripherals
OTU0842	8	8	8	0	2,14731753	0	Peripherals
OTU0806	6	10	9	1	-0,10196049	0,18	Peripherals
OTU0006	6	13	13	0	0,61451864	0	Peripherals
OTU0295	6	8	8	0	-0,28108027	0	Peripherals
OTU0078	3	16	16	0	1,37068899	0	Peripherals
OTU0398	3	5	4	1	-0,8864782	0,32	Peripherals
OTU0670	7	4	3	1	-0,72140842	0,375	Peripherals
OTU0396	5	10	5	5	-1,42892529	0,66	Connector
OTU0022	5	33	24	9	0,59464593	0,39669421	Peripherals
OTU0455	5	3	2	1	-1,74843654	0,44444444	Peripherals
OTU0789	1	4	4	0	0,42640143	0	Peripherals
OTU0336	1	2	2	0	-0,63960215	0	Peripherals
OTU0036	3	17	14	3	0,99449446	0,29065744	Peripherals
OTU0790	3	11	10	1	0,24210539	0,16528926	Peripherals
OTU0038	5	31	28	3	1,02066092	0,1748179	Peripherals
OTU0370	7	7	7	0	1,11490392	0	Peripherals
OTU0200	3	3	2	1	-1,26267274	0,44444444	Peripherals
OTU0273	4	18	17	1	2,02343019	0,10493827	Peripherals
OTU0296	8	5	5	0	0,64918902	0	Peripherals
OTU0493	3	14	14	0	0,99449446	0	Peripherals
OTU0133	3	17	17	0	1,55878625	0	Peripherals
OTU0369	3	17	16	1	1,37068899	0,11072664	Peripherals
OTU0921	5	28	26	2	0,80765343	0,13265306	Peripherals
OTU0911	1	3	1	2	-1,17260394	0,44444444	Peripherals
OTU0145	5	32	25	7	0,70114968	0,34179688	Peripherals
OTU0186	3	12	10	2	0,24210539	0,27777778	Peripherals
OTU0449	4	13	13	0	1,11606239	0	Peripherals
OTU0490	3	9	4	5	-0,8864782	0,49382716	Peripherals
OTU0538	3	29	15	14	1,18259172	0,49940547	Peripherals
OTU0937	3	14	14	0	0,99449446	0	Peripherals
OTU0358	10	11	11	0	0,50108484	0	Peripherals
OTU0028	5	39	27	12	0,91415717	0,44049967	Peripherals
OTU0052	3	8	7	1	-0,32218641	0,21875	Peripherals
OTU0698	3	6	5	1	-0,69838094	0,27777778	Peripherals
OTU0215	3	24	23	1	2,68736985	0,07986111	Module Hub
OTU0652	3	12	7	5	-0,32218641	0,48611111	Peripherals
OTU0421	1	4	3	1	-0,10660036	0,375	Peripherals

OTU0744	1	10	7	3	2,02540681	0,48	Peripherals
OTU0906	3	9	6	3	-0,51028367	0,44444444	Peripherals
OTU0649	5	28	27	1	0,91415717	0,06887755	Peripherals
OTU0831	3	8	5	3	-0,69838094	0,46875	Peripherals
OTU0804	6	16	16	0	1,15187799	0	Peripherals
OTU0647	3	11	11	0	0,43020266	0	Peripherals
OTU0569	5	25	23	2	0,48814218	0,1472	Peripherals
OTU0243	6	1	1	0	-1,53491875	0	Peripherals

Table S3. Overview of the bacterial community composition derived from AD patients that attended synbiotic, prebiotic or placebo baths. All OTUs are summarized up to genus level.

#OTU ID	Domain	Phylum	Class	Order	Family	Genus
OTU0001	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	0319-6A21	Unclassified
OTU0002	Bacteria	Proteobacteria	Deltaproteobacteria	Oligoflexales	0319-6G20	Unclassified
OTU0003	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales	0319-6M6	Unclassified
OTU0004	Bacteria	Acidobacteria	Acidobacteria	Subgroup_4	11-24	Unclassified
OTU0005	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales	288-2	Unclassified
OTU0006	Bacteria	Bacteroidetes	Bacteroidia	Chitinophagales	37-13	Unclassified
OTU0007	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales	480-2	Unclassified
OTU0008	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales	67-14	Unclassified
OTU0009	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	A0839	Unclassified
OTU0010	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	A21b	Unclassified
OTU0011	Bacteria	Acidobacteria	Holophagae	Subgroup_10	ABS-19	Unclassified
OTU0012	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Acetobacter
OTU0013	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Acidicaldus
OTU0014	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Acidiphilium
OTU0015	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Acidisoma
OTU0016	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Asaia
OTU0017	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Belnapia
OTU0018	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Craurococcus
OTU0019	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Roseomonas
OTU0020	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Rubritepida
OTU0021	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Unclassified
OTU0022	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	uncultured
OTU0023	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Endobacter
OTU0024	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Rhodovastum
OTU0025	Bacteria	Firmicutes	Negativicutes	Selenomonadales	Acidaminococcaceae	Acidaminococcus

OTU0026	Bacteria	Firmicutes	Negativicutes	Selenomonadales	Acidaminococcaceae	Phascolarctobacterium
OTU0027	Bacteria	Firmicutes	Negativicutes	Selenomonadales	Acidaminococcaceae	Succiniclasticum
OTU0028	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Acidimicrobiaceae	CL500-29_marine_group
OTU0029	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Acidimicrobiaceae	Ilumatobacter
OTU0030	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Acidimicrobiaceae	Unclassified
OTU0031	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Acidimicrobiales_Incertae_Sedis	Candidatus_Microthrix
OTU0032	Bacteria	Proteobacteria	Gammaproteobacteria	Acidithiobacillales	Acidithiobacillaceae	KCM-B-112
OTU0033	Bacteria	Acidobacteria	Acidobacteria	Acidobacteriales	Acidobacteriaceae_(Subgroup_1)	Acidicapsa
OTU0034	Bacteria	Acidobacteria	Acidobacteria	Acidobacteriales	Acidobacteriaceae_(Subgroup_1)	Bryocella
OTU0035	Bacteria	Acidobacteria	Acidobacteria	Acidobacteriales	Acidobacteriaceae_(Subgroup_1)	Edaphobacter
OTU0036	Bacteria	Acidobacteria	Acidobacteria	Acidobacteriales	Acidobacteriaceae_(Subgroup_1)	Granulicella
OTU0037	Bacteria	Acidobacteria	Acidobacteria	Acidobacteriales	Acidobacteriaceae_(Subgroup_1)	Telmatobacter
OTU0038	Bacteria	Acidobacteria	Acidobacteria	Acidobacteriales	Acidobacteriaceae_(Subgroup_1)	Terriglobus
OTU0039	Bacteria	Acidobacteria	Acidobacteria	Acidobacteriales	Acidobacteriaceae_(Subgroup_1)	Unclassified
OTU0040	Bacteria	Acidobacteria	Acidobacteria	Acidobacteriales	Acidobacteriaceae_(Subgroup_1)	Candidatus_Koribacter
OTU0041	Bacteria	Actinobacteria	Actinobacteria	Frankiales	Acidothermaceae	Acidothermus
OTU0042	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetaceae	Actinobaculum
OTU0043	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetaceae	Actinomyces
OTU0044	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetaceae	Arcanobacterium
OTU0045	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetaceae	Flaviflexus
OTU0046	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetaceae	Mobiluncus
OTU0047	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetaceae	Trueperella
OTU0048	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetaceae	Unclassified
OTU0049	Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetaceae	Varibaculum
OTU0050	Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Abiotrophia
OTU0051	Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Aerococcus
OTU0052	Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Eremococcus
OTU0053	Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Facklamia

OTU0054	Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Unclassified
OTU0055	Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Ignavigranum
OTU0056	Bacteria	Proteobacteria	Gammaproteobacteria	Aeromonadales	Aeromonadaceae	Aeromonas
OTU0057	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	AKIW1012	Unclassified
OTU0058	Bacteria	Chloroflexi	Chloroflexia	Kallotenuales	AKIW781	Unclassified
OTU0059	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	AKYH767	Unclassified
OTU0060	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	Achromobacter
OTU0061	Bacteria	Firmicutes	Bacilli	Bacillales	Alicyclobacillaceae	Tumebacillus
OTU0062	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alishewanella
OTU0063	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Rheinheimera
OTU0064	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Marinobacter
OTU0065	Bacteria	Chloroflexi	Anaerolineae	Anaerolineales	Anaerolineaceae	Unclassified
OTU0066	Bacteria	Chloroflexi	Anaerolineae	Anaerolineales	Anaerolineaceae	Anaerolinea
OTU0067	Bacteria	Chloroflexi	Anaerolineae	Anaerolineales	Anaerolineaceae	Leptolinea
OTU0068	Bacteria	Chloroflexi	Ardenticatenia	Ardenticatenales	Ardenticatenaceae	uncultured
OTU0069	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Aurantimonadaceae	Aureimonas
OTU0070	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Aurantimonadaceae	Unclassified
OTU0071	Bacteria	Proteobacteria	Alphaproteobacteria	Azospirillales	Azospirillaceae	Niveispirillum
OTU0072	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Aeribacillus
OTU0073	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Anoxybacillus
OTU0074	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus
OTU0075	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Geobacillus
OTU0076	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Lentibacillus
OTU0077	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Oceanobacillus
OTU0078	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Sinobaca
OTU0079	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Unclassified
OTU0080	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Ureibacillus
OTU0081	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bacteriovoracaceae	Peredibacter

OTU0082	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides
OTU0083	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidales UCG-001	Unclassified
OTU0084	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	Bdellovibrio
OTU0085	Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	OM27_clade
OTU0086	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	1174-901-12
OTU0087	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	alphaI cluster
OTU0088	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Bosea
OTU0089	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	uncultured
OTU0090	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Chelatococcus
OTU0091	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Unclassified
OTU0092	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Methylobacterium
OTU0093	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Microvirga
OTU0094	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Rhodoblastus
OTU0095	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Roseiarcus
OTU0096	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Methylorosula
OTU0097	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Beutenbergiaceae	Salana
OTU0098	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Beutenbergiaceae	Unclassified
OTU0099	Bacteria	Actinobacteria	Actinobacteria	Bifidobacteriales	Bifidobacteriaceae	Bifidobacterium
OTU0100	Bacteria	Actinobacteria	Actinobacteria	Bifidobacteriales	Bifidobacteriaceae	Gardnerella
OTU0101	Bacteria	Actinobacteria	Actinobacteria	Bifidobacteriales	Bifidobacteriaceae	Scardovia
OTU0102	Bacteria	Actinobacteria	Actinobacteria	Bifidobacteriales	Bifidobacteriaceae	Unclassified
OTU0103	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Blrii41	Unclassified
OTU0104	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Blfdi19	Unclassified
OTU0105	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Bogoriellaceae	Georgenia
OTU0106	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Bogoriellaceae	Unclassified
OTU0107	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	Unclassified
OTU0108	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	Bradyrhizobium
OTU0109	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	Rhodopseudomonas

OTU0110	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	Tardiphaga
OTU0111	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Brevibacteriaceae	Brevibacterium
OTU0112	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Brucellaceae	Ochrobactrum
OTU0113	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Brucellaceae	Pseudochrobactrum
OTU0114	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Brucellaceae	Unclassified
OTU0115	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Brucellaceae	Daeguia
OTU0116	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	AAP99
OTU0117	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Advenella
OTU0118	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Alcaligenes
OTU0119	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Aquabacterium
OTU0120	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	uncultured
OTU0121	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Azohydromonas
OTU0122	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Unclassified
OTU0123	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Burkholderia-Caballeronia-Paraburkholderia
OTU0124	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Comamonas
OTU0125	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Cupriavidus
OTU0126	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Curvibacter
OTU0127	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Delftia
OTU0128	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Diaphorobacter
OTU0129	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Duganella
OTU0130	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	GKS98 freshwater group
OTU0131	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Hydrogenophaga
OTU0132	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Ideonella
OTU0133	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Janthinobacterium
OTU0134	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Lautropia
OTU0135	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Leptothrix
OTU0136	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Limnobacter

OTU0137	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Massilia
OTU0138	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Noviherbaspirillum
OTU0139	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Oligella
OTU0140	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Ottowia
OTU0141	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Parasutterella
OTU0142	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Pelomonas
OTU0143	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Pigmentiphaga
OTU0144	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Piscinibacter
OTU0145	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Polaromonas
OTU0146	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Pseudacidovorax
OTU0147	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Pseudorhodoferax
OTU0148	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Ralstonia
OTU0149	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Ramlibacter
OTU0150	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Rhizobacter
OTU0151	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Schlegelella
OTU0152	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Sphaerotilus
OTU0153	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Sutterella
OTU0154	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Tepidimonas
OTU0155	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Thiomonas
OTU0156	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Achromobacter
OTU0157	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Verticia
OTU0158	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Bordetella
OTU0159	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Variovorax
OTU0160	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Limnohabitans
OTU0161	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Rhodoferax
OTU0162	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Acidovorax
OTU0163	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Caenimonas
OTU0164	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Burkholderiaceae	Xenophilus

OTU0165	Bacteria	Firmicutes	Clostridia	Clostridiales	Caldicoprobacteraceae	Caldicoprobacter
OTU0166	Bacteria	Chloroflexi	Caldilineae	Caldilineales	Caldilineaceae	Unclassified
OTU0167	Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Campylobacteraceae	Arcobacter
OTU0168	Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Campylobacteraceae	Campylobacter
OTU0169	Bacteria	Proteobacteria	Gammaproteobacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium
OTU0170	Bacteria	Proteobacteria	Gammaproteobacteria	Cardiobacteriales	Cardiobacteriaceae	Unclassified
OTU0171	Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Alkalibacterium
OTU0172	Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Alloiococcus
OTU0173	Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Atopostipes
OTU0174	Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Carnobacterium
OTU0175	Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Dolosigranulum
OTU0176	Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Granulicatella
OTU0177	Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Trichococcus
OTU0178	Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Unclassified
OTU0179	Bacteria	Actinobacteria	Actinobacteria	Catenulisporales	Catenulisporaceae	Catenulispora
OTU0180	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Asticcacaulis
OTU0181	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Brevundimonas
OTU0182	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Caulobacter
OTU0183	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Phenylobacterium
OTU0184	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Unclassified
OTU0185	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	PMMR1
OTU0186	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Cellulomonadaceae	Actinotalea
OTU0187	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Cellulomonadaceae	Cellulomonas
OTU0188	Bacteria	Proteobacteria	Gammaproteobacteria	Cellvibrionales	Cellvibrionaceae	uncultured
OTU0189	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Chitinophaga
OTU0190	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Ferruginibacter
OTU0191	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Filimonas
OTU0192	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Flavisolibacter

OTU0193	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Flavitalea
OTU0194	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Hydrotalea
OTU0195	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Niabella
OTU0196	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Parasegetibacter
OTU0197	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Sediminibacterium
OTU0198	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Segetibacter
OTU0199	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Taibaiella
OTU0200	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Terrimonas
OTU0201	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	uncultured
OTU0202	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Heliimonas
OTU0203	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Unclassified
OTU0204	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Parafilimonas
OTU0205	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Dinghuibacter
OTU0206	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Cnuella
OTU0207	Bacteria	Chlamydiae	Chlamydiae	Chlamydiales	Chlamydiales_Incertae_Sedis	Criblamydia
OTU0208	Bacteria	Chloroflexi	Chloroflexia	Chloroflexales	Chloroflexaceae	Chloroflexus
OTU0209	Bacteria	Chloroflexi	Chloroflexia	Chloroflexales	Chloroflexaceae	FFCH7168
OTU0210	Bacteria	Chloroflexi	Chloroflexia	Chloroflexales	Chloroflexaceae	Chloronema
OTU0211	Bacteria	Firmicutes	Clostridia	Clostridiales	Christensenellaceae	Christensenellaceae R-7 group
OTU0212	Bacteria	Firmicutes	Clostridia	Clostridiales	Christensenellaceae	Unclassified
OTU0213	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Chromobacteriaceae	Unclassified
OTU0214	Bacteria	Cyanobacteria	Cyanobacteria	Nostocales	Chroococcidiopsaceae	uncultured
OTU0215	Bacteria	Verrucomicrobia	Spartobacteria	Chthoniobacterales	Chthoniobacteraceae	Chthoniobacter
OTU0216	Bacteria	Verrucomicrobia	Spartobacteria	Chthoniobacterales	Chthoniobacteraceae	LD29
OTU0217	Bacteria	Verrucomicrobia	Verrucomicrobiae	Chthoniobacterales	Chthoniobacteraceae	Candidatus Udaeobacter
OTU0218	Bacteria	Cloacimonetes	Cloacimonadia	Cloacimonadales	Cloacimonadaceae	W5
OTU0219	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae_1	Candidatus_Arthromitus
OTU0220	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae_1	Clostridium_sensu_stricto_1

OTU0221	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae_1	Clostridium_sensu_stricto_10
OTU0222	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae_1	Clostridium_sensu_stricto_12
OTU0223	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae_1	Clostridium_sensu_stricto_13
OTU0224	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae_1	Clostridium_sensu_stricto_7
OTU0225	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae_1	Clostridium_sensu_stricto_9
OTU0226	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae_1	Fonticella
OTU0227	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae_1	Sarcina
OTU0228	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales vadinBB60 group	Unclassified
OTU0229	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_Incertae_Sedis	Proteiniborus
OTU0230	Bacteria	Cyanobacteria	Oxyphotobacteria	Nostocales	Coleofasciculaceae	Microcoleus PCC-7113
OTU0231	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Acidovorax
OTU0232	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Unclassified
OTU0233	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales	Conexibacteraceae	Conexibacter
OTU0234	Bacteria	Actinobacteria	Coriobacteriia	Coriobacteriales	Coriobacteriaceae	Atopobium
OTU0235	Bacteria	Actinobacteria	Coriobacteriia	Coriobacteriales	Coriobacteriaceae	Olsenella
OTU0236	Bacteria	Actinobacteria	Coriobacteriia	Coriobacteriales	Coriobacteriaceae	Unclassified
OTU0237	Bacteria	Actinobacteria	Coriobacteriia	Coriobacteriales	Coriobacteriaceae	Collinsella
OTU0238	Bacteria	Actinobacteria	Coriobacteriia	Coriobacteriales	Coriobacteriaceae	Gordonibacter
OTU0239	Bacteria	Actinobacteria	Coriobacteriia	Coriobacteriales	Coriobacteriaceae	Phoenicibacter
OTU0240	Bacteria	Actinobacteria	Actinobacteria	Corynebacteriales	Corynebacteriaceae	Corynebacterium
OTU0241	Bacteria	Actinobacteria	Actinobacteria	Corynebacteriales	Corynebacteriaceae	Corynebacterium 1
OTU0242	Bacteria	Actinobacteria	Actinobacteria	Corynebacteriales	Corynebacteriaceae	Lawsonella
OTU0243	Bacteria	Actinobacteria	Actinobacteria	Corynebacteriales	Corynebacteriaceae	Turicella
OTU0244	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Coxiellaceae	Coxiella
OTU0245	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Coxiellaceae	Aquicella
OTU0246	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Coxiellaceae	Rickettsiella
OTU0247	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola
OTU0248	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Owenweeksia

OTU0249	Bacteria	Actinobacteria	Actinobacteria	Frankiales	Cryptosporangiaceae	Fodinicola
OTU0250	Bacteria	Chlamydiae	Chlamydiae	Chlamydiales	cvE6	Unclassified
OTU0251	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cyclobacteriaceae	uncultured
OTU0252	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Cystobacteraceae	Anaeromyxobacter
OTU0253	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Cystobacteraceae	Cystobacter
OTU0254	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Cystobacteraceae	Unclassified
OTU0255	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Cystobacteraceae	Hyalangium
OTU0256	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Rhodocytophaga
OTU0257	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Sporocytophaga
OTU0258	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Adhaeribacter
OTU0259	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Hymenobacter
OTU0260	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Pontibacter
OTU0261	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Chryseolinea
OTU0262	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Ohtaekwangia
OTU0263	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Siphonobacter
OTU0264	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Unclassified
OTU0265	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Dyadobacter
OTU0266	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Emticicia
OTU0267	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Fibrella
OTU0268	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Larkinella
OTU0269	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Spirosoma
OTU0270	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Fibrisoma
OTU0271	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	DA111	Unclassified
OTU0272	Bacteria	Firmicutes	Clostridia	Clostridiales	Defluviitaleaceae	Defluviitaleaceae UCG-011
OTU0273	Bacteria	Firmicutes	Clostridia	Clostridiales	Defluviitaleaceae	Incertae_Sedis
OTU0274	Bacteria	Deinococcus-Thermus	Deinococci	Deinococcales	Deinococcaceae	Deinococcus
OTU0275	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Dermabacteraceae	Brachybacterium
OTU0276	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Dermabacteraceae	Dermabacter

OTU0277	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Dermacoccaceae	Dermacoccus
OTU0278	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Dermacoccaceae	Flexivirga
OTU0279	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Dermacoccaceae	Kytococcus
OTU0280	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Dermacoccaceae	Unclassified
OTU0281	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Dermatophilaceae	Mobilicoccus
OTU0282	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Dermatophilaceae	Unclassified
OTU0283	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfovibrionales	Desulfovibrionaceae	Bilophila
OTU0284	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfovibrionales	Desulfovibrionaceae	Desulfovibrio
OTU0285	Bacteria	Actinobacteria	Actinobacteria	Corynebacteriales	Dietziaceae	Dietzia
OTU0286	Bacteria	Proteobacteria	Gammaproteobacteria	Diplorickettsiales	Diplorickettsiaceae	uncultured
OTU0287	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales	Elev-16S-1332	Unclassified
OTU0288	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Ellin6055	Unclassified
OTU0289	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Arsenophonus
OTU0290	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Buchnera
OTU0291	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Candidatus_Hamiltonella
OTU0292	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Citrobacter
OTU0293	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Cronobacter
OTU0294	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Enterobacter
OTU0295	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Erwinia
OTU0296	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Escherichia-Shigella
OTU0297	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Ewingella
OTU0298	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Klebsiella
OTU0299	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Unclassified
OTU0300	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Pantoea
OTU0301	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Pectobacterium
OTU0302	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Proteus
OTU0303	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Providencia
OTU0304	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Rahnella

OTU0305	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Serratia
OTU0306	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Tatumella
OTU0307	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Raoultella
OTU0308	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Hafnia-Obesumbacterium
OTU0309	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Leminorella
OTU0310	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Trabulsiella
OTU0311	Bacteria	Firmicutes	Bacilli	Lactobacillales	Enterococcaceae	Enterococcus
OTU0312	Bacteria	Firmicutes	Bacilli	Lactobacillales	Enterococcaceae	Vagococcus
OTU0313	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	env.OPS_17	Unclassified
OTU0314	Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	Allobaculum
OTU0315	Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	Incertae_Sedis
OTU0316	Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	Solobacterium
OTU0317	Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	Turicibacter
OTU0318	Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	Erysipelotrichaceae UCG-003
OTU0319	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Erythrobacteraceae	Altererythrobacter
OTU0320	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Erythrobacteraceae	Unclassified
OTU0321	Bacteria	Actinobacteria	Nitriliruptoria	Euzebyales	Euzebyaceae	Euzebya
OTU0322	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	F0723	Unclassified
OTU0323	Bacteria	Firmicutes	Clostridia	Clostridiales	Family XI	W5053
OTU0324	Bacteria	Firmicutes	Clostridia	Clostridiales	Family XIII	Mogibacterium
OTU0325	Bacteria	Firmicutes	Clostridia	Thermoanaerobacterales	Family_III	Caldicellulosiruptor
OTU0326	Bacteria	Firmicutes	Clostridia	Thermoanaerobacterales	Family_III	Thermoanaerobacterium
OTU0327	Bacteria	Firmicutes	Bacilli	Bacillales	Family_X	Thermicanus
OTU0328	Bacteria	Firmicutes	Bacilli	Bacillales	Family_XI	Gemella
OTU0329	Bacteria	Firmicutes	Clostridia	Clostridiales	Family_XI	Anaerococcus
OTU0330	Bacteria	Firmicutes	Clostridia	Clostridiales	Family_XI	Finegoldia
OTU0331	Bacteria	Firmicutes	Clostridia	Clostridiales	Family_XI	Gallicola
OTU0332	Bacteria	Firmicutes	Clostridia	Clostridiales	Family_XI	Helcococcus

OTU0333	Bacteria	Firmicutes	Clostridia	Clostridiales	Family_XI	Murdochiella
OTU0334	Bacteria	Firmicutes	Clostridia	Clostridiales	Family_XI	Parvimonas
OTU0335	Bacteria	Firmicutes	Clostridia	Clostridiales	Family_XI	Peptoniphilus
OTU0336	Bacteria	Firmicutes	Clostridia	Clostridiales	Family_XI	Tepidimicrobium
OTU0337	Bacteria	Firmicutes	Clostridia	Clostridiales	Family_XI	Tissierella
OTU0338	Bacteria	Firmicutes	Clostridia	Clostridiales	Family_XI	W5053
OTU0339	Bacteria	Firmicutes	Clostridia	Clostridiales	Family_XI	Unclassified
OTU0340	Bacteria	Firmicutes	Bacilli	Bacillales	Family_XII	Exiguobacterium
OTU0341	Bacteria	Firmicutes	Clostridia	Clostridiales	Family_XII	Fusibacter
OTU0342	Bacteria	Firmicutes	Clostridia	Clostridiales	Family_XIII	Incertae_Sedis
OTU0343	Bacteria	Firmicutes	Clostridia	Clostridiales	Family_XIII	Mogibacterium
OTU0344	Bacteria	Firmicutes	Clostridia	Clostridiales	Family_XIII	Family XIII AD3011 group
OTU0345	Bacteria	Firmicutes	Clostridia	Clostridiales	Family_XVIII	Unclassified
OTU0346	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIV	FamilyI	Aphanizomenon
OTU0347	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Phormidium
OTU0348	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Leptolyngbya
OTU0349	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionI	FamilyI	Gloeocalita
OTU0350	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIV	FamilyI	Nostoc
OTU0351	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIII	FamilyI	Microcoleus
OTU0352	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionII	FamilyII	Chroococciopsis
OTU0353	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionIV	FamilyII	Calothrix
OTU0354	Bacteria	Cyanobacteria	Cyanobacteria	SubsectionII	FamilyII	Pleurocapsa
OTU0355	Bacteria	Armatimonadetes	Fimbriimonadia	Fimbriimonadales	Fimbriimonadaceae	Unclassified
OTU0356	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	Marivirga
OTU0357	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	Porifericola
OTU0358	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Capnocytophaga
OTU0359	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Flavobacterium
OTU0360	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Gillisia

OTU0361	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Myroides
OTU0362	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Pricia
OTU0363	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Psychroflexus
OTU0364	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Unclassified
OTU0365	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Bergeyella
OTU0366	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Chryseobacterium
OTU0367	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Cloacibacterium
OTU0368	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Elizabethkingia
OTU0369	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Empedobacter
OTU0370	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Epilithonimonas
OTU0371	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Wautersiella
OTU0372	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Weeksella
OTU0373	Bacteria	Actinobacteria	Actinobacteria	Frankiales	Frankiaceae	Jatrophilhabitans
OTU0374	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium
OTU0375	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales	Gaiellaceae	Gaiella
OTU0376	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Gallionellaceae	Gallionella
OTU0377	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales	Gemmatimonadaceae	Gemmatimonas
OTU0378	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales	Gemmatimonadaceae	uncultured
OTU0379	Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales	Gemmatimonadaceae	Gemmatirosa
OTU0380	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Geobacteraceae	Geobacter
OTU0381	Bacteria	Actinobacteria	Actinobacteria	Frankiales	Geodermatophilaceae	Blastococcus
OTU0382	Bacteria	Actinobacteria	Actinobacteria	Frankiales	Geodermatophilaceae	Geodermatophilus
OTU0383	Bacteria	Actinobacteria	Actinobacteria	Frankiales	Geodermatophilaceae	Modestobacter
OTU0384	Bacteria	Actinobacteria	Actinobacteria	Frankiales	Geodermatophilaceae	Unclassified
OTU0385	Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	GR-WP33-58	Unclassified
OTU0386	Bacteria	Firmicutes	Clostridia	Clostridiales	Gracilibacteraceae	Gracilibacter
OTU0387	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Haliangiaceae	Haliangium
OTU0388	Bacteria	Proteobacteria	Gammaproteobacteria	Cellvibrionales	Halieaceae	OM60(NOR5) clade

OTU0389	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Chromohalobacter
OTU0390	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Halomonas
OTU0391	Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Helicobacteraceae	Sulfuricurvum
OTU0392	Bacteria	Firmicutes	Clostridia	Clostridiales	Heliobacteriaceae	Hydrogenispora
OTU0393	Bacteria	Chloroflexi	Chloroflexia	Herpetosiphonales	Herpetosiphonaceae	Herpetosiphon
OTU0394	Bacteria	Acidobacteria	Holophagae	Holophagales	Holophagaceae	Unclassified
OTU0395	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Holosporaceae	Unclassified
OTU0396	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Hydrogenophilaceae	Hydrogenophilus
OTU0397	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Hydrogenophilaceae	Tepidiphilus
OTU0398	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Hydrogenophilaceae	uncultured
OTU0399	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Devosia
OTU0400	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Hyphomicrobium
OTU0401	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Pedomicrobium
OTU0402	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Unclassified
OTU0403	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Rhodomicrobium
OTU0404	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Prosthecomicrobium
OTU0405	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Rhodoplanes
OTU0406	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	Woodsholea
OTU0407	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Iamiaceae	Iamia
OTU0408	Bacteria	Actinobacteria	Acidimicrobiia	Microtrichales	Ilumatobacteraceae	Unclassified
OTU0409	Bacteria	Actinobacteria	Acidimicrobiia	Microtrichales	Ilumatobacteraceae	uncultured
OTU0410	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Intrasporangiaceae	Janibacter
OTU0411	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Intrasporangiaceae	Ornithinibacter
OTU0412	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Intrasporangiaceae	Ornithinimicrobium
OTU0413	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Intrasporangiaceae	Phycococcus
OTU0414	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Intrasporangiaceae	Terrabacter
OTU0415	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Intrasporangiaceae	Tetrasphaera
OTU0416	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Intrasporangiaceae	Unclassified

OTU0417	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Intrasporangiaceae	Ornithinicoccus
OTU0418	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Intrasporangiaceae	Knoellia
OTU0419	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Intrasporangiaceae	Serinicoccus
OTU0420	Bacteria	Planctomycetes	Planctomycetacia	Isosphaerales	Isosphaeraceae	uncultured
OTU0421	Bacteria	Planctomycetes	Planctomycetacia	Isosphaerales	Isosphaeraceae	Singulisphaera
OTU0422	Bacteria	Planctomycetes	Planctomycetacia	Isosphaerales	Isosphaeraceae	Aquisphaera
OTU0423	Bacteria	Chloroflexi	Chloroflexia	Thermomicrobiales	JG30-KF-CM45	Unclassified
OTU0424	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	JG34-KF-161	Unclassified
OTU0425	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	JG34-KF-361	Unclassified
OTU0426	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	JG37-AG-20	Unclassified
OTU0427	Bacteria	Actinobacteria	Actinobacteria	Kineosporiales	Kineosporiaceae	Kineococcus
OTU0428	Bacteria	Actinobacteria	Actinobacteria	Kineosporiales	Kineosporiaceae	Kineosporia
OTU0429	Bacteria	Actinobacteria	Actinobacteria	Kineosporiales	Kineosporiaceae	Quadrisphaera
OTU0430	Bacteria	Actinobacteria	Actinobacteria	Kineosporiales	Kineosporiaceae	Unclassified
OTU0431	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Anaerosporeobacter
OTU0432	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Anaerostipes
OTU0433	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Blautia
OTU0434	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Butyrivibrio
OTU0435	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Catonella
OTU0436	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Cellulosilyticum
OTU0437	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Coprococcus
OTU0438	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Dorea
OTU0439	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Howardella
OTU0440	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Incertae_Sedis
OTU0441	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Johnsonella
OTU0442	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Lachnoanaerobaculum
OTU0443	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Lachnospira
OTU0444	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Marvinbryantia

OTU0445	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Oribacterium
OTU0446	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Pseudobutyrvibrio
OTU0447	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Roseburia
OTU0448	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Stomatobaculum
OTU0449	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	[Ruminococcus] torques group
OTU0450	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	uncultured
OTU0451	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Tyzzerella 4
OTU0452	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Unclassified
OTU0453	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	[Eubacterium] hallii group
OTU0454	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	CAG-56
OTU0455	Bacteria	Firmicutes	Bacilli	Lactobacillales	Lactobacillaceae	Lactobacillus
OTU0456	Bacteria	Firmicutes	Bacilli	Lactobacillales	Lactobacillaceae	Pediococcus
OTU0457	Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Legionellaceae	Legionella
OTU0458	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Leptotrichiaceae	Leptotrichia
OTU0459	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Leptotrichiaceae	Streptobacillus
OTU0460	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Leptotrichiaceae	Unclassified
OTU0461	Bacteria	Firmicutes	Bacilli	Lactobacillales	Leuconostocaceae	Leuconostoc
OTU0462	Bacteria	Firmicutes	Bacilli	Lactobacillales	Leuconostocaceae	Weissella
OTU0463	Bacteria	Firmicutes	Limnochordia	Limnochordales	Limnochordaceae	Unclassified
OTU0464	Bacteria	Cyanobacteria	Oxyphotobacteria	Limnotrichales	Limnotrichaceae	Limnothrix
OTU0465	Bacteria	Firmicutes	Bacilli	Bacillales	Listeriaceae	Brochothrix
OTU0466	Bacteria	Gemmatimonadetes	Longimicrobia	Longimicrobiales	Longimicrobiaceae	Unclassified
OTU0467	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Marinilabiliaceae	Ruminofilibacter
OTU0468	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Marinobacteraceae	Marinobacter
OTU0469	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylocystaceae	Hanschlegelia
OTU0470	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylocystaceae	Pleomorphomonas
OTU0471	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Methylophilaceae	Methylophilus
OTU0472	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Methylophilaceae	Unclassified

OTU0473	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Agrococcus
OTU0474	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Agromyces
OTU0475	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Amnibacterium
OTU0476	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Curtobacterium
OTU0477	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Fronidhabitans
OTU0478	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Herbiconiux
OTU0479	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Humibacter
OTU0480	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Leucobacter
OTU0481	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Lysinimonas
OTU0482	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Microbacterium
OTU0483	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Pseudoclavibacter
OTU0484	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Rathayibacter
OTU0485	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Subtercola
OTU0486	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Unclassified
OTU0487	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Parafrigoribacterium
OTU0488	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Microbacteriaceae	Marisediminicola
OTU0489	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Micrococcaceae	Arthrobacter
OTU0490	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Micrococcaceae	Citricoccus
OTU0491	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Micrococcaceae	Kocuria
OTU0492	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Micrococcaceae	Micrococcus
OTU0493	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Micrococcaceae	Nesterenkonia
OTU0494	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Micrococcaceae	Rothia
OTU0495	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Micrococcaceae	Pseudoglutamicibacter
OTU0496	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Micrococcaceae	Unclassified
OTU0497	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Micrococcaceae	Tersicoccus
OTU0498	Bacteria	Actinobacteria	Actinobacteria	Micromonosporales	Micromonosporaceae	Plantactinospora
OTU0499	Bacteria	Actinobacteria	Actinobacteria	Micromonosporales	Micromonosporaceae	Actinoplanes
OTU0500	Bacteria	Actinobacteria	Actinobacteria	Micromonosporales	Micromonosporaceae	Luedemannella

OTU0501	Bacteria	Actinobacteria	Actinobacteria	Micromonosporales	Micromonosporaceae	Micromonospora
OTU0502	Bacteria	Actinobacteria	Actinobacteria	Micromonosporales	Micromonosporaceae	Phytohabitans
OTU0503	Bacteria	Actinobacteria	Actinobacteria	Micromonosporales	Micromonosporaceae	Pilimelia
OTU0504	Bacteria	Actinobacteria	Actinobacteria	Micromonosporales	Micromonosporaceae	Stackebrandtia
OTU0505	Bacteria	Actinobacteria	Actinobacteria	Micromonosporales	Micromonosporaceae	Unclassified
OTU0506	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Microscillaceae	Siphonobacter
OTU0507	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Microscillaceae	uncultured
OTU0508	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	mle1-27	Unclassified
OTU0509	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter
OTU0510	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Alkanindiges
OTU0511	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Enhydrobacter
OTU0512	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Moraxella
OTU0513	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Perlucidibaca
OTU0514	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Psychrobacter
OTU0515	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Unclassified
OTU0516	Bacteria	Actinobacteria	Actinobacteria	Corynebacteriales	Mycobacteriaceae	Mycobacterium
OTU0517	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Myxococcaceae	Coralloccoccus
OTU0518	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Myxococcaceae	Myxococcus
OTU0519	Bacteria	Actinobacteria	Actinobacteria	Frankiales	Nakamurellaceae	Nakamurella
OTU0520	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Neisseriaceae	Conchiformibius
OTU0521	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Neisseriaceae	Eikenella
OTU0522	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Neisseriaceae	Kingella
OTU0523	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Neisseriaceae	Unclassified
OTU0524	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Neisseriaceae	Neisseria
OTU0525	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Neisseriaceae	uncultured
OTU0526	Bacteria	Proteobacteria	Betaproteobacteria	Neisseriales	Neisseriaceae	Unclassified
OTU0527	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Nevskiaceae	Alkanibacter
OTU0528	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Nitrosomonadaceae	DSSD61

OTU0529	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Nitrosomonadaceae	Ellin6067
OTU0530	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Nitrosomonadaceae	IS-44
OTU0531	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Nitrosomonadaceae	MND1
OTU0532	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Nitrosomonadaceae	Nitrosospira
OTU0533	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Nitrosomonadaceae	Unclassified
OTU0534	Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	Nitrospira
OTU0535	Bacteria	Actinobacteria	Actinobacteria	Corynebacteriales	Nocardiaceae	Gordonia
OTU0536	Bacteria	Actinobacteria	Actinobacteria	Corynebacteriales	Nocardiaceae	Nocardia
OTU0537	Bacteria	Actinobacteria	Actinobacteria	Corynebacteriales	Nocardiaceae	Rhodococcus
OTU0538	Bacteria	Actinobacteria	Actinobacteria	Corynebacteriales	Nocardiaceae	Williamsia
OTU0539	Bacteria	Actinobacteria	Actinobacteria	Corynebacteriales	Nocardiaceae	Smaragdicoccus
OTU0540	Bacteria	Actinobacteria	Actinobacteria	Propionibacteriales	Nocardiodaceae	Aeromicrobium
OTU0541	Bacteria	Actinobacteria	Actinobacteria	Propionibacteriales	Nocardiodaceae	Kribbella
OTU0542	Bacteria	Actinobacteria	Actinobacteria	Propionibacteriales	Nocardiodaceae	Marmoricola
OTU0543	Bacteria	Actinobacteria	Actinobacteria	Propionibacteriales	Nocardiodaceae	Nocardiodes
OTU0544	Bacteria	Actinobacteria	Actinobacteria	Propionibacteriales	Nocardiodaceae	Unclassified
OTU0545	Bacteria	Actinobacteria	Actinobacteria	Streptosporangiales	Nocardiopsaceae	Nocardiopsis
OTU0546	Bacteria	Cyanobacteria	Cyanobacteria	Nostocales	Nostocaceae	Nostoc PCC-7524
OTU0547	Bacteria	Cyanobacteria	Cyanobacteria	Nostocales	Nostocaceae	Scytonema UTEX 2349
OTU0548	Bacteria	Cyanobacteria	Oxyphotobacteria	Nostocales	Nostocaceae	Nostoc PCC-7524
OTU0549	Bacteria	Cyanobacteria	Oxyphotobacteria	Nostocales	Nostocaceae	Scytonema UTEX 2349
OTU0550	Bacteria	Cyanobacteria	Oxyphotobacteria	Nostocales	Nostocaceae	Unclassified
OTU0551	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	NS9_marine_group	Unclassified
OTU0552	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oceanospirillaceae	Marinospirillum
OTU0553	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oceanospirillaceae	Marinomonas
OTU0554	Bacteria	Proteobacteria	Deltaproteobacteria	Oligoflexales	Oligoflexaceae	Oligoflexus
OTU0555	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	OM1_clade	Unclassified
OTU0556	Bacteria	Chlorobi	Chlorobia	Chlorobiales	OPB56	Unclassified

OTU0557	Bacteria	Verrucomicrobia	Opitutae	Opitutales	Opitutaceae	Opitutus
OTU0558	Bacteria	Firmicutes	Bacilli	Bacillales	p-251-o5	Unclassified
OTU0559	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	P3OB-42	Unclassified
OTU0560	Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae	Aneurinibacillus
OTU0561	Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae	Brevibacillus
OTU0562	Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae	Cohnella
OTU0563	Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae	Oxalophagus
OTU0564	Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae	Paenibacillus
OTU0565	Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae	Saccharibacillus
OTU0566	Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae	Thermobacillus
OTU0567	Bacteria	Chlamydiae	Chlamydiae	Chlamydiales	Parachlamydiaceae	Candidatus_Proteochlamydia
OTU0568	Bacteria	Chlamydiae	Chlamydiae	Chlamydiales	Parachlamydiaceae	Parachlamydia
OTU0569	Bacteria	Chlamydiae	Chlamydiae	Chlamydiales	Parachlamydiaceae	uncultured
OTU0570	Bacteria	Chlamydiae	Chlamydiae	Chlamydiales	Parachlamydiaceae	Unclassified
OTU0571	Bacteria	Chlamydiae	Chlamydiae	Chlamydiales	Parachlamydiaceae	Neochlamydia
OTU0572	Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Actinobacillus
OTU0573	Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Aggregatibacter
OTU0574	Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Bibersteinia
OTU0575	Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Haemophilus
OTU0576	Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Pasteurella
OTU0577	Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	uncultured
OTU0578	Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Unclassified
OTU0579	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales	Patulibacteraceae	Patulibacter
OTU0580	Bacteria	Verrucomicrobia	Verrucomicrobiae	Pedosphaerales	Pedosphaeraceae	Unclassified
OTU0581	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptococcaceae	Desulfosporosinus
OTU0582	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptococcaceae	Peptococcus
OTU0583	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	Filifactor
OTU0584	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	Incertae_Sedis

OTU0585	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	Peptostreptococcus
OTU0586	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	Unclassified
OTU0587	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	uncultured
OTU0588	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Phaselicystidaceae	Phaselicystis
OTU0589	Bacteria	Planctomycetes	Phycisphaerae	Phycisphaerales	Phycisphaeraceae	SM1A02
OTU0590	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Aliihoeflea
OTU0591	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Aquamicrobium
OTU0592	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Mesorhizobium
OTU0593	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Phyllobacterium
OTU0594	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Unclassified
OTU0595	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Aminobacter
OTU0596	Bacteria	Planctomycetes	Planctomycetacia	Pirellulales	Pirellulaceae	uncultured
OTU0597	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Gemmata
OTU0598	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Zavarzinella
OTU0599	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Isosphaera
OTU0600	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Singulisphaera
OTU0601	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Blastopirellula
OTU0602	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Pir4_lineage
OTU0603	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Pirellula
OTU0604	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Planctomyces
OTU0605	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Schlesneria
OTU0606	Bacteria	Planctomycetes	Planctomycetacia	Planctomycetales	Planctomycetaceae	Unclassified
OTU0607	Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Lysinibacillus
OTU0608	Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Paenisporosarcina
OTU0609	Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Planococcus
OTU0610	Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Planomicrobium
OTU0611	Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Rummeliibacillus
OTU0612	Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Solibacillus

OTU0613	Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Sporosarcina
OTU0614	Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Psychrobacillus
OTU0615	Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Unclassified
OTU0616	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Pleomorphomonadaceae	Chthonobacter
OTU0617	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Polyangiaceae	Byssovorax
OTU0618	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Polyangiaceae	Sorangium
OTU0619	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Barnesiella
OTU0620	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Petrimonas
OTU0621	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Proteiniphilum
OTU0622	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	uncultured
OTU0623	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Paludibacter
OTU0624	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas
OTU0625	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Macelibacteroides
OTU0626	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Parabacteroides
OTU0627	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Tannerella
OTU0628	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella
OTU0629	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella
OTU0630	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella
OTU0631	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Promicromonosporaceae	Cellulosimicrobium
OTU0632	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Promicromonosporaceae	Unclassified
OTU0633	Bacteria	Actinobacteria	Actinobacteria	Propionibacteriales	Propionibacteriaceae	Friedmanniella
OTU0634	Bacteria	Actinobacteria	Actinobacteria	Propionibacteriales	Propionibacteriaceae	Microlunatus
OTU0635	Bacteria	Actinobacteria	Actinobacteria	Propionibacteriales	Propionibacteriaceae	Propionibacterium
OTU0636	Bacteria	Actinobacteria	Actinobacteria	Propionibacteriales	Propionibacteriaceae	Propionicimonas
OTU0637	Bacteria	Actinobacteria	Actinobacteria	Propionibacteriales	Propionibacteriaceae	Tessaracoccus
OTU0638	Bacteria	Actinobacteria	Actinobacteria	Propionibacteriales	Propionibacteriaceae	uncultured
OTU0639	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	Pseudoalteromonas
OTU0640	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Cellvibrio

OTU0641	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas
OTU0642	Bacteria	Actinobacteria	Actinobacteria	Pseudonocardiales	Pseudonocardiaceae	Actinomycetospora
OTU0643	Bacteria	Actinobacteria	Actinobacteria	Pseudonocardiales	Pseudonocardiaceae	Lentzea
OTU0644	Bacteria	Actinobacteria	Actinobacteria	Pseudonocardiales	Pseudonocardiaceae	Pseudonocardia
OTU0645	Bacteria	Actinobacteria	Actinobacteria	Pseudonocardiales	Pseudonocardiaceae	Saccharomonospora
OTU0646	Bacteria	Actinobacteria	Actinobacteria	Pseudonocardiales	Pseudonocardiaceae	Saccharopolyspora
OTU0647	Bacteria	Actinobacteria	Actinobacteria	Pseudonocardiales	Pseudonocardiaceae	Unclassified
OTU0648	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Psychromonadaceae	Psychromonas
OTU0649	Bacteria	Acidobacteria	Blastocatellia (Subgroup 4)	Pyrinomonadales	Pyrinomonadaceae	RB41
OTU0650	Bacteria	Acidobacteria	Acidobacteria	Subgroup_4	RB41	Unclassified
OTU0651	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	RF16	Unclassified
OTU0652	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Kaistia
OTU0653	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Allorhizobium-Neorhizobium- Pararhizobium-Rhizobium
OTU0654	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Rhizobium
OTU0655	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Shinella
OTU0656	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Unclassified
OTU0657	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	uncultured
OTU0658	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiales Incertae Sedis	Unclassified
OTU0659	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiales_Incertae_Sedis	Rhizomicrobium
OTU0660	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiales_Incertae_Sedis	Nordella
OTU0661	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Rhodanobacteraceae	Unclassified
OTU0662	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Rhodanobacteraceae	uncultured
OTU0663	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Amaricoccus
OTU0664	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Defluviimonas
OTU0665	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Haematobacter
OTU0666	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Jannaschia

OTU0667	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Paracoccus
OTU0668	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacter
OTU0669	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rubellimicrobium
OTU0670	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Tabrizicola
OTU0671	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Unclassified
OTU0672	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Pannonibacter
OTU0673	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhodobiaceae	Rhodobium
OTU0674	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhodobiaceae	Parvibaculum
OTU0675	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Rhodocyclaceae	Azospira
OTU0676	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Rhodocyclaceae	Dechloromonas
OTU0677	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Rhodocyclaceae	Methyloversatilis
OTU0678	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Rhodocyclaceae	Thauera
OTU0679	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Rhodocyclaceae	Uliginosibacterium
OTU0680	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Rhodocyclaceae	Unclassified
OTU0681	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Rhodocyclaceae	uncultured
OTU0682	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Rhodocyclaceae	Zoogloea
OTU0683	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Azospirillum
OTU0684	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Skermanella
OTU0685	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Dongia
OTU0686	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Inquilinus
OTU0687	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Defluviicoccus
OTU0688	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Novispirillum
OTU0689	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Thalassospira
OTU0690	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillales_Incertae_Sedis	Candidatus_Alysiosphaera
OTU0691	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillales_Incertae_Sedis	Geminicoccus
OTU0692	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillales_Incertae_Sedis	Reyranelia
OTU0693	Bacteria	Bacteroidetes	Cytophagia	Order_II	Rhodothermaceae	Rubrivirga
OTU0694	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Rickettsiaceae	Rickettsia

OTU0695	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Rickettsiales_Incertae_Sedis	Candidatus_Odyssella
OTU0696	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Rickettsiales_Incertae_Sedis	Unclassified
OTU0697	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Rikenellaceae	Alistipes
OTU0698	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Rikenellaceae	RC9_gut_group
OTU0699	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Rikenellaceae	vadinBC27_wastewater-sludge_group
OTU0700	Bacteria	Chloroflexi	Chloroflexia	Chloroflexales	Roseiflexaceae	Roseiflexus
OTU0701	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Rubritaleaceae	Luteolibacter
OTU0702	Bacteria	Actinobacteria	Rubrobacteria	Rubrobacterales	Rubrobacteriaceae	Rubrobacter
OTU0703	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Acetivibrio
OTU0704	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Butyricoccus
OTU0705	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Faecalibacterium
OTU0706	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Fastidiosipila
OTU0707	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Hydrogenoanaerobacterium
OTU0708	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Incertae_Sedis
OTU0709	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Oscillospira
OTU0710	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Ruminococcaceae UCG-010
OTU0711	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Ruminococcaceae UCG-013
OTU0712	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Ruminococcaceae UCG-014
OTU0713	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Ruminococcus
OTU0714	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Subdoligranulum
OTU0715	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Ruminiclostridium 1
OTU0716	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Unclassified
OTU0717	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	[Eubacterium] coprostanoligenes group
OTU0718	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Ruminococcaceae UCG-005
OTU0719	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	S24-7	Unclassified
OTU0720	Bacteria	Patescibacteria	Saccharimonadia	Saccharimonadales	Saccharimonadaceae	Unclassified

OTU0721	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Sandaracinaceae	Unclassified
OTU0722	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Sanguibacteraceae	Sanguibacter
OTU0723	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Saprospiraceae	Unclassified
OTU0724	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	SC-I-84	Unclassified
OTU0725	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Shewanellaceae	Shewanella
OTU0726	Bacteria	Chlorobi	Chlorobia	Chlorobiales	SJA-28	Unclassified
OTU0727	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	SM2D12	Unclassified
OTU0728	Bacteria	Acidobacteria	Acidobacteria	Acidobacteriia	Solibacterales	Solibacteraceae (Subgroup 3)
OTU0729	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales	Solirubrobacteraceae	Conexibacter
OTU0730	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales	Solirubrobacteraceae	Solirubrobacter
OTU0731	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales	Solirubrobacteraceae	Unclassified
OTU0732	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Sphingobacteriaceae	Arcticibacter
OTU0733	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Sphingobacteriaceae	Mucilaginibacter
OTU0734	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Sphingobacteriaceae	Nubsella
OTU0735	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Sphingobacteriaceae	Olivibacter
OTU0736	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Sphingobacteriaceae	Pedobacter
OTU0737	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Sphingobacteriaceae	Sphingobacterium
OTU0738	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Sphingobacteriaceae	Unclassified
OTU0739	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Blastomonas
OTU0740	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Novosphingobium
OTU0741	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sandarakinorhabdus
OTU0742	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingobium
OTU0743	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas
OTU0744	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingopyxis
OTU0745	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Unclassified
OTU0746	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingorhabdus
OTU0747	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Rhizorhapis
OTU0748	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	uncultured

OTU0749	Bacteria	Spirochaetae	Spirochaetes	Spirochaetales	Spirochaetaceae	Treponema
OTU0750	Bacteria	Actinobacteria	Actinobacteria	Frankiales	Sporichthyaceae	Sporichthya
OTU0751	Bacteria	Actinobacteria	Actinobacteria	Frankiales	Sporichthyaceae	uncultured
OTU0752	Bacteria	Firmicutes	Bacilli	Bacillales	Sporolactobacillaceae	Sporolactobacillus
OTU0753	Bacteria	Firmicutes	Bacilli	Bacillales	Sporolactobacillaceae	Tuberibacillus
OTU0754	Bacteria	Firmicutes	Bacilli	Bacillales	Staphylococcaceae	Jeotgalicoccus
OTU0755	Bacteria	Firmicutes	Bacilli	Bacillales	Staphylococcaceae	Macrococcus
OTU0756	Bacteria	Firmicutes	Bacilli	Bacillales	Staphylococcaceae	Nosocomiicoccus
OTU0757	Bacteria	Firmicutes	Bacilli	Bacillales	Staphylococcaceae	Salinicoccus
OTU0758	Bacteria	Firmicutes	Bacilli	Bacillales	Staphylococcaceae	Staphylococcus
OTU0759	Bacteria	Firmicutes	Bacilli	Bacillales	Staphylococcaceae	Unclassified
OTU0760	Bacteria	Proteobacteria	Gammaproteobacteria	Steroidobacterales	Steroidobacteraceae	uncultured
OTU0761	Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Lactococcus
OTU0762	Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus
OTU0763	Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Unclassified
OTU0764	Bacteria	Actinobacteria	Actinobacteria	Streptomycetales	Streptomycetaceae	Streptomyces
OTU0765	Bacteria	Actinobacteria	Actinobacteria	Streptomycetales	Streptomycetaceae	Unclassified
OTU0766	Bacteria	Actinobacteria	Actinobacteria	Streptosporangiales	Streptosporangiaceae	Microbispora
OTU0767	Bacteria	Actinobacteria	Actinobacteria	Streptosporangiales	Streptosporangiaceae	Nonomuraea
OTU0768	Bacteria	Actinobacteria	Actinobacteria	Streptosporangiales	Streptosporangiaceae	Streptosporangium
OTU0769	Bacteria	Acidobacteria	Acidobacteria	Acidobacteriia	Subgroup 2	Unclassified
OTU0770	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Sva0996_marine_group	Unclassified
OTU0771	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistaceae	Anaerobaculum
OTU0772	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistaceae	Cloacibacillus
OTU0773	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistaceae	Fretibacterium
OTU0774	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistaceae	Jonquetella
OTU0775	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistaceae	uncultured
OTU0776	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistaceae	Thermovirga

OTU0777	Bacteria	Proteobacteria	Deltaproteobacteria	Syntrophobacterales	Syntrophaceae	uncultured
OTU0778	Bacteria	Firmicutes	Clostridia	Clostridiales	Syntrophomonadaceae	Syntrophomonas
OTU0779	Bacteria	Firmicutes	Clostridia	Clostridiales	Syntrophomonadaceae	Unclassified
OTU0780	Bacteria	Planctomycetes	Phycisphaerae	Tepidisphaerales	Tepidisphaeraceae	Unclassified
OTU0781	Bacteria	Verrucomicrobia	Verrucomicrobiae	Chthoniobacterales	Terrimicrobiaceae	Terrimicrobium
OTU0782	Bacteria	Deinococcus-Thermus	Deinococci	Thermales	Thermaceae	Meiothermus
OTU0783	Bacteria	Deinococcus-Thermus	Deinococci	Thermales	Thermaceae	Thermus
OTU0784	Bacteria	Firmicutes	Bacilli	Bacillales	Thermoactinomycetaceae	Laceyella
OTU0785	Bacteria	Firmicutes	Bacilli	Bacillales	Thermoactinomycetaceae	Planifilum
OTU0786	Bacteria	Firmicutes	Bacilli	Bacillales	Thermoactinomycetaceae	Shimazuella
OTU0787	Bacteria	Firmicutes	Bacilli	Bacillales	Thermoactinomycetaceae	Thermoactinomyces
OTU0788	Bacteria	Firmicutes	Bacilli	Bacillales	Thermoactinomycetaceae	Unclassified
OTU0789	Bacteria	Firmicutes	Clostridia	Thermoanaerobacterales	Thermoanaerobacteraceae	Syntrophaceticus
OTU0790	Bacteria	Firmicutes	Clostridia	Thermoanaerobacterales	Thermoanaerobacteraceae	Gelria
OTU0791	Bacteria	Actinobacteria	Actinobacteria	Streptosporangiales	Thermomonosporaceae	Actinomadura
OTU0792	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	TK34	Unclassified
OTU0793	Bacteria	Actinobacteria	Thermoleophilia	Solirubrobacterales	TM146	Unclassified
OTU0794	Bacteria	Proteobacteria	Gammaproteobacteria	Betaproteobacterales	TRA3-20	Unclassified
OTU0795	Bacteria	Deinococcus-Thermus	Deinococci	Deinococcales	Trueperaceae	Truepera
OTU0796	Bacteria	Actinobacteria	Actinobacteria	Corynebacterales	Tsukamurellaceae	Tsukamurella
OTU0797	Bacteria	Proteobacteria	Deltaproteobacteria	GR-WP33-30	Unclassified	Unclassified
OTU0798	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Unclassified	Unclassified
OTU0799	Bacteria	Patescibacteria	Gracilibacteria	Absconditabacterales (SR1)	Unclassified	Unclassified
OTU0800	Bacteria	Armatimonadetes	Armatimonadia	Armatimonadales	Unclassified	Unclassified
OTU0801	Bacteria	Firmicutes	Bacilli	Bacillales	Unclassified	Unclassified
OTU0802	Bacteria	Patescibacteria	Parcubacteria	Candidatus Adlerbacteria	Unclassified	Unclassified
OTU0803	Bacteria	Patescibacteria	Parcubacteria	Candidatus Kaiserbacteria	Unclassified	Unclassified
OTU0804	Bacteria	Proteobacteria	Gammaproteobacteria	CCD24	Unclassified	Unclassified

OTU0805	Bacteria	Cyanobacteria	Oxyphotobacteria	Chloroplast	Unclassified	Unclassified
OTU0806	Bacteria	Proteobacteria	Gammaproteobacteria	Unclassified	Unclassified	Unclassified
OTU0807	Bacteria	Actinobacteria	Actinobacteria	Frankiales	Unclassified	Unclassified
OTU0808	Bacteria	Cyanobacteria	Melainabacteria	Gastranaerophilales	Unclassified	Unclassified
OTU0809	Bacteria	Actinobacteria	Acidimicrobiia	Acidimicrobiales	Unclassified	Unclassified
OTU0810	Bacteria	Actinobacteria	Acidimicrobiia	IMCC26256	Unclassified	Unclassified
OTU0811	Bacteria	BD1-5	Gracilibacteria	JGI 0000069-P22	Unclassified	Unclassified
OTU0812	Bacteria	Firmicutes	Bacilli	Lactobacillales	Unclassified	Unclassified
OTU0813	Bacteria	Verrucomicrobia	Verrucomicrobiae	LD1-PB3	Unclassified	Unclassified
OTU0814	Bacteria	Firmicutes	Clostridia	MBA03	Unclassified	Unclassified
OTU0815	Bacteria	Actinobacteria	Actinobacteria	Micrococcales	Unclassified	Unclassified
OTU0816	Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Unclassified	Unclassified
OTU0817	Bacteria	Cyanobacteria	Melainabacteria	Obscuribacterales	Unclassified	Unclassified
OTU0818	Bacteria	Actinobacteria	Actinobacteria	PeM15	Unclassified	Unclassified
OTU0819	Bacteria	Proteobacteria	Gammaproteobacteria	PLTA13	Unclassified	Unclassified
OTU0820	Bacteria	Proteobacteria	Gammaproteobacteria	R7C24	Unclassified	Unclassified
OTU0821	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Unclassified	Unclassified
OTU0822	Bacteria	Patescibacteria	Saccharimonadia	Saccharimonadales	Unclassified	Unclassified
OTU0823	Bacteria	Acidobacteria	Holophagae	Subgroup_7	Unclassified	Unclassified
OTU0824	Bacteria	Chloroflexi	JG37-AG-4	Unclassified	Unclassified	Unclassified
OTU0825	Bacteria	Firmicutes	Bacilli	Unclassified	Unclassified	Unclassified
OTU0826	Bacteria	Planctomycetes	BD7-11	Unclassified	Unclassified	Unclassified
OTU0827	Bacteria	Firmicutes	BRH-c20a	Unclassified	Unclassified	Unclassified
OTU0828	Bacteria	Chloroflexi	Gitt-GS-136	Unclassified	Unclassified	Unclassified
OTU0829	Bacteria	BD1-5	Gracilibacteria	Unclassified	Unclassified	Unclassified
OTU0830	Bacteria	Chloroflexi	KD4-96	Unclassified	Unclassified	Unclassified
OTU0831	Bacteria	Actinobacteria	MB-A2-108	Unclassified	Unclassified	Unclassified
OTU0832	Bacteria	Patescibacteria	Parcubacteria	Unclassified	Unclassified	Unclassified

OTU0833	Bacteria	Gemmatimonadetes	Gemmatimonadetes	S0134_terrestrial_group	Unclassified	Unclassified
OTU0834	Bacteria	Cyanobacteria	ML635J-21	Unclassified	Unclassified	Unclassified
OTU0835	Bacteria	Acidobacteria	Acidobacteria	Subgroup_17	Unclassified	Unclassified
OTU0836	Bacteria	Acidobacteria	Acidobacteria	Subgroup_6	Unclassified	Unclassified
OTU0837	Bacteria	Chloroflexi	TK10	Unclassified	Unclassified	Unclassified
OTU0838	Bacteria	Chloroflexi	Ktedonobacteria	C0119	Unclassified	Unclassified
OTU0839	Bacteria	Chlamydiae	Chlamydiae	Chlamydiales	Unclassified	Unclassified
OTU0840	Bacteria	Chloroflexi	Chloroflexia	Chloroflexales	Unclassified	Unclassified
OTU0841	Bacteria	Firmicutes	Clostridia	Clostridiales	Unclassified	Unclassified
OTU0842	Bacteria	Actinobacteria	Actinobacteria	Corynebacteriales	Unclassified	Unclassified
OTU0843	Bacteria	Planctomycetes	Phycisphaerae	CPla-3_termite_group	Unclassified	Unclassified
OTU0844	Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Unclassified	Unclassified
OTU0845	Bacteria	Chloroflexi	Thermomicrobia	JG30-KF-CM45	Unclassified	Unclassified
OTU0846	Bacteria	Proteobacteria	Gammaproteobacteria	KI89A_clade	Unclassified	Unclassified
OTU0847	Bacteria	Tenericutes	Mollicutes	NB1-n	Unclassified	Unclassified
OTU0848	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Unclassified	Unclassified
OTU0849	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Unclassified	Unclassified
OTU0850	Bacteria	Actinobacteria	Actinobacteria	Unclassified	Unclassified	Unclassified
OTU0851	Bacteria	Proteobacteria	Alphaproteobacteria	Unclassified	Unclassified	Unclassified
OTU0852	Bacteria	Unclassified	Unclassified	Unclassified	Unclassified	Unclassified
OTU0853	Bacteria	Bacteroidetes	Cytophagia	Unclassified	Unclassified	Unclassified
OTU0854	Bacteria	Planctomycetes	OM190	Unclassified	Unclassified	Unclassified
OTU0855	Bacteria	Firmicutes	OPB54	Unclassified	Unclassified	Unclassified
OTU0856	Bacteria	Armatimonadetes	Unclassified	Unclassified	Unclassified	Unclassified
OTU0857	Bacteria	Bacteroidetes	Unclassified	Unclassified	Unclassified	Unclassified
OTU0858	Bacteria	Candidate_division_BRC1	Unclassified	Unclassified	Unclassified	Unclassified
OTU0859	Bacteria	Candidate_division_OD1	Unclassified	Unclassified	Unclassified	Unclassified
OTU0860	Bacteria	Candidate_division_OP11	Unclassified	Unclassified	Unclassified	Unclassified

OTU0861	Bacteria	Candidate_division_OP3	Unclassified	Unclassified	Unclassified	Unclassified
OTU0862	Bacteria	Candidate_division_TM7	Unclassified	Unclassified	Unclassified	Unclassified
OTU0863	Bacteria	Latescibacteria	Unclassified	Unclassified	Unclassified	Unclassified
OTU0864	Bacteria	Chloroflexi	Unclassified	Unclassified	Unclassified	Unclassified
OTU0865	Bacteria	Cyanobacteria	Unclassified	Unclassified	Unclassified	Unclassified
OTU0866	Bacteria	Firmicutes	Unclassified	Unclassified	Unclassified	Unclassified
OTU0867	Bacteria	Proteobacteria	Unclassified	Unclassified	Unclassified	Unclassified
OTU0868	Bacteria	SHA-109	Unclassified	Unclassified	Unclassified	Unclassified
OTU0869	Bacteria	FBP	Unclassified	Unclassified	Unclassified	Unclassified
OTU0870	Bacteria	Cyanobacteria	Melainabacteria	Vamprovibrionales	Unclassified	Unclassified
OTU0871	Bacteria	Planctomycetes	Phycisphaerae	WD2101_soil_group	Unclassified	Unclassified
OTU0872	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Unclassified	Unclassified
OTU0873	Bacteria	Patescibacteria	uncultured	Unclassified	Unclassified	Unclassified
OTU0874	Bacteria	Actinobacteria	OPB41	Unclassified	Unclassified	Unclassified
OTU0875	Bacteria	Planctomycetes	Planctomycetacia	uncultured	Unclassified	Unclassified
OTU0876	Bacteria	Kiritimatiellaeota	Kiritimatiellae	WCHB1-41	Unclassified	Unclassified
OTU0877	Bacteria	Proteobacteria	Gammaproteobacteria	WD260	Unclassified	Unclassified
OTU0878	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales	Unclassified	Unclassified
OTU0879	Bacteria	Proteobacteria	Alphaproteobacteria	DB1-14	Unclassified	Unclassified
OTU0880	Bacteria	Proteobacteria	Gammaproteobacteria	NKB5	Unclassified	Unclassified
OTU0881	Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	uncultured	Unclassified
OTU0882	Bacteria	Chloroflexi	Ardenticatenia	Ardenticatenales	uncultured	Unclassified
OTU0883	Bacteria	Proteobacteria	Campylobacteria	Campylobacteriales	uncultured	Unclassified
OTU0884	Bacteria	Bacteroidetes	Bacteroidia	Chitinophagales	uncultured	Unclassified
OTU0885	Bacteria	Actinobacteria	Actinobacteria	Frankiales	uncultured	Unclassified
OTU0886	Bacteria	Actinobacteria	Thermoleophilia	Gaiellales	uncultured	Unclassified
OTU0887	Bacteria	Firmicutes	Limnochordia	Limnochordales	uncultured	Unclassified
OTU0888	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	uncultured	Unclassified

OTU0889	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria Incertae Sedis	Unknown Family	Acidibacter
OTU0890	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria Incertae Sedis	Unknown Family	Candidatus Berkiella
OTU0891	Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Negativicoccus
OTU0892	Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Veillonella
OTU0893	Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Anaeroglobus
OTU0894	Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Centipeda
OTU0895	Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Dialister
OTU0896	Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Megamonas
OTU0897	Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Megasphaera
OTU0898	Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Pelosinus
OTU0899	Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Selenomonas
OTU0900	Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Selenomonas 3
OTU0901	Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Unclassified
OTU0902	Bacteria	Dependentiae	Babeliae	Babeliales	Vermiphilaceae	Unclassified
OTU0903	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Akkermansia
OTU0904	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Luteolibacter
OTU0905	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Prostheco bacter
OTU0906	Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	uncultured
OTU0907	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Photobacterium
OTU0908	Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio
OTU0909	Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	WCHB1-69	Unclassified
OTU0910	Bacteria	Planctomycetes	Phycisphaerae	Tepidisphaerales	WD2101 soil group	Unclassified
OTU0911	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Weeksellaceae	Bergeyella
OTU0912	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Weeksellaceae	Chryseobacterium
OTU0913	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Weeksellaceae	Empedobacter
OTU0914	Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Weeksellaceae	Unclassified

OTU0915	Bacteria	Proteobacteria	Gammaproteobacteria	Steroidobacterales	Woeseiaceae	Woeseia
OTU0916	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	Labrys
OTU0917	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	Ancylobacter
OTU0918	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	Pseudolabrys
OTU0919	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	Unclassified
OTU0920	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	Xanthobacter
OTU0921	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	uncultured
OTU0922	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Dokdonella
OTU0923	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Dyella
OTU0924	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Luteibacter
OTU0925	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Rhodanobacter
OTU0926	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Rudaea
OTU0927	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Unclassified
OTU0928	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Wohlfahrtiimonas
OTU0929	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Arenimonas
OTU0930	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Luteimonas
OTU0931	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Lysobacter
OTU0932	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Pseudoxanthomonas
OTU0933	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Stenotrophomonas
OTU0934	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Thermomonas
OTU0935	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	SN8
OTU0936	Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Xanthomonas
OTU0937	Bacteria	Verrucomicrobia	Spartobacteria	Chthoniobacterales	Xiphinematobacteraceae	Candidatus_Xiphinematobacter