

Table S1. Processing report of reads generated from 16S rRNA sequencing in the sediment and water samples of the 7 stations (S1-S7). Each station is represented by triplicates.

Sample type	Stations	Input reads	Filtered	Denoised	Merged	Nonchimeric	Final_retained
SEDIMENT	S1	92591	45953	44154	39870	38421	41.5
		113798	56069	53690	47146	45599	40.1
		91475	45422	43217	38049	36399	39.8
	S2	94271	46912	44406	38263	36659	38.8
		78631	39643	37349	32302	31071	39.5
		48920	24610	22794	18513	17520	35.8
	S3	82901	65842	62938	56002	53939	65.1
		75430	59171	56067	48357	46311	61.4
		126307	98435	93261	78714	75252	59.6
	S4	157408	123501	113300	90291	85943	54.6
		83619	41616	37146	27964	26433	31.6
		59865	29268	25624	17842	16886	28.2
	S5	44439	22375	20916	17967	17046	38.3
		34598	17422	16207	13629	12992	37.5
		41391	21200	19695	16530	15520	37.5
	S6	33066	16557	13727	9158	8655	26.2
		66536	33497	29354	21017	20042	30.1
		79482	39178	35022	26166	25119	31.6
	S7	76806	38913	34243	25108	23769	30.9
		76945	38716	34093	24771	23448	30.5
		83179	42451	37240	28041	26412	31.7
WATER	S1	165308	33418	31764	27522	26562	40.7
		70413	37147	35642	31665	30531	43.3
		56959	29776	28853	26732	26366	46.3
	S2	76449	37869	36476	33199	32524	42.5
		72299	34413	33214	29886	29244	40.4
		91378	45607	44903	43011	41998	45.9
	S3	102589	52060	50303	44881	43001	41.9
		44044	21737	21404	20754	20483	46.5
		76657	38747	36959	32334	30890	40.3
	S4	73246	38030	36732	32274	30064	41.1
		35502	18527	17867	16019	15610	43.9
		109157	55046	53807	49180	47124	43.2
	S5	1502003	50952	49029	44478	43479	42.6
		113003	57484	56340	52023	48842	43.2
		96514	47651	45933	41774	40925	42.4
	S6	75312	37122	35494	32383	31607	41.9
		72989	36117	34487	31799	31184	42.7
		54316	27465	26158	23574	23004	42.3
	S7	73237	36635	35432	32586	32040	43.7
		82199	42207	40697	37412	36667	44.6
		78430	40639	39029	35811	35050	44.7