

**Supplementary information of**

**Effects of plastic debris on the biofilm bacterial communities in lake water**

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Table S1. The variation of water chemistry at DAY0, DAY40

	DAY0	DAY40
T (°C)	16.8±0.2	14.3±0.3
DO (mg/L)	6.11±0.4	6.1±0.3
EC (us/cm)	299.9±12.4	275.8±15.6
pH	7.8±0.2	7.6±0.2
TN (mg/L)	1.023±0.12	0.947±0.17
NO <sub>3</sub> <sup>-</sup> -N (mg/L)	0.563±0.12	0.456±0.08
NH <sub>4</sub> <sup>+</sup> -N (mg/L)	0.198±0.06	0.185±0.05
TP (mg/L)	0.132±0.05	0.12±0.06
COD <sub>Mn</sub> (mg/L)	8.25±0.56	8.01±0.47

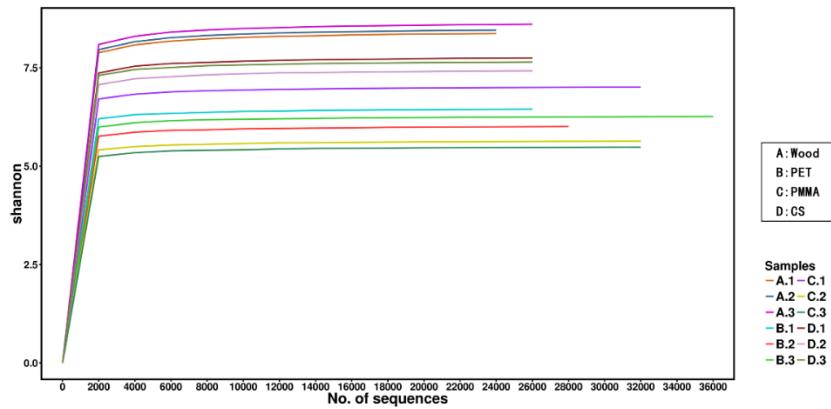


Figure S1. Rarefaction plots of Shannon index of A (Wood), B (PET), C (PMMA), and D (CS) samples. The abscissa represents numbers of sequences, while the ordinate represents biodiversity value. The rarefaction curve tends to be flat and it means the sequencing is large enough to represents the majority of species.