Supplementary Information

Differential effects of microplastics soil organic carbon via lignin phenols and amino sugars in soil aggregates

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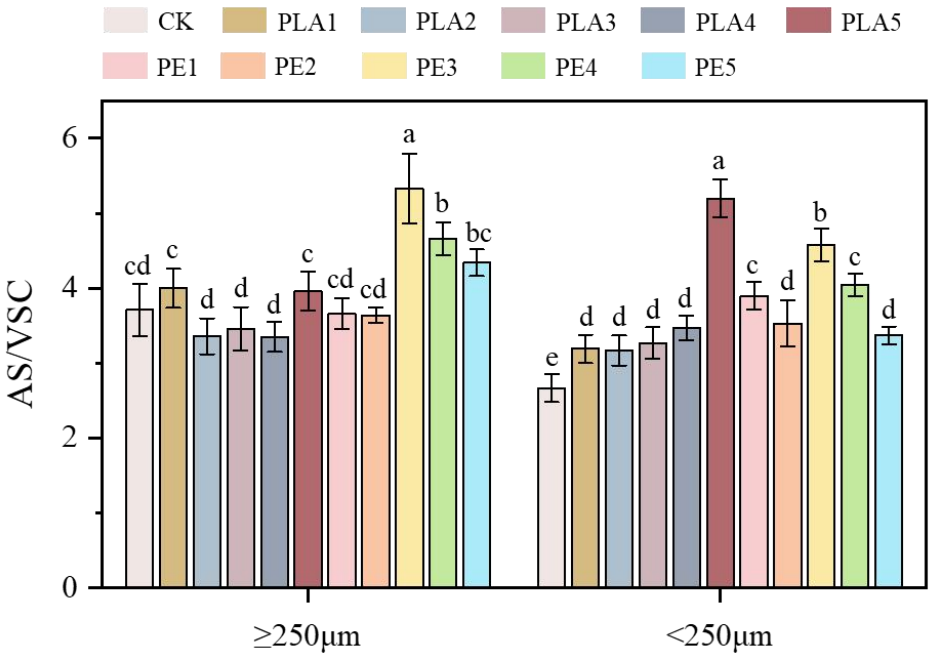

Fig. S1. Effects of microplastics on ratios of amino sugars to lignin phenols (AS/VSC). Different lowercase letters represent significant differences among treatments ($p<0.05$).

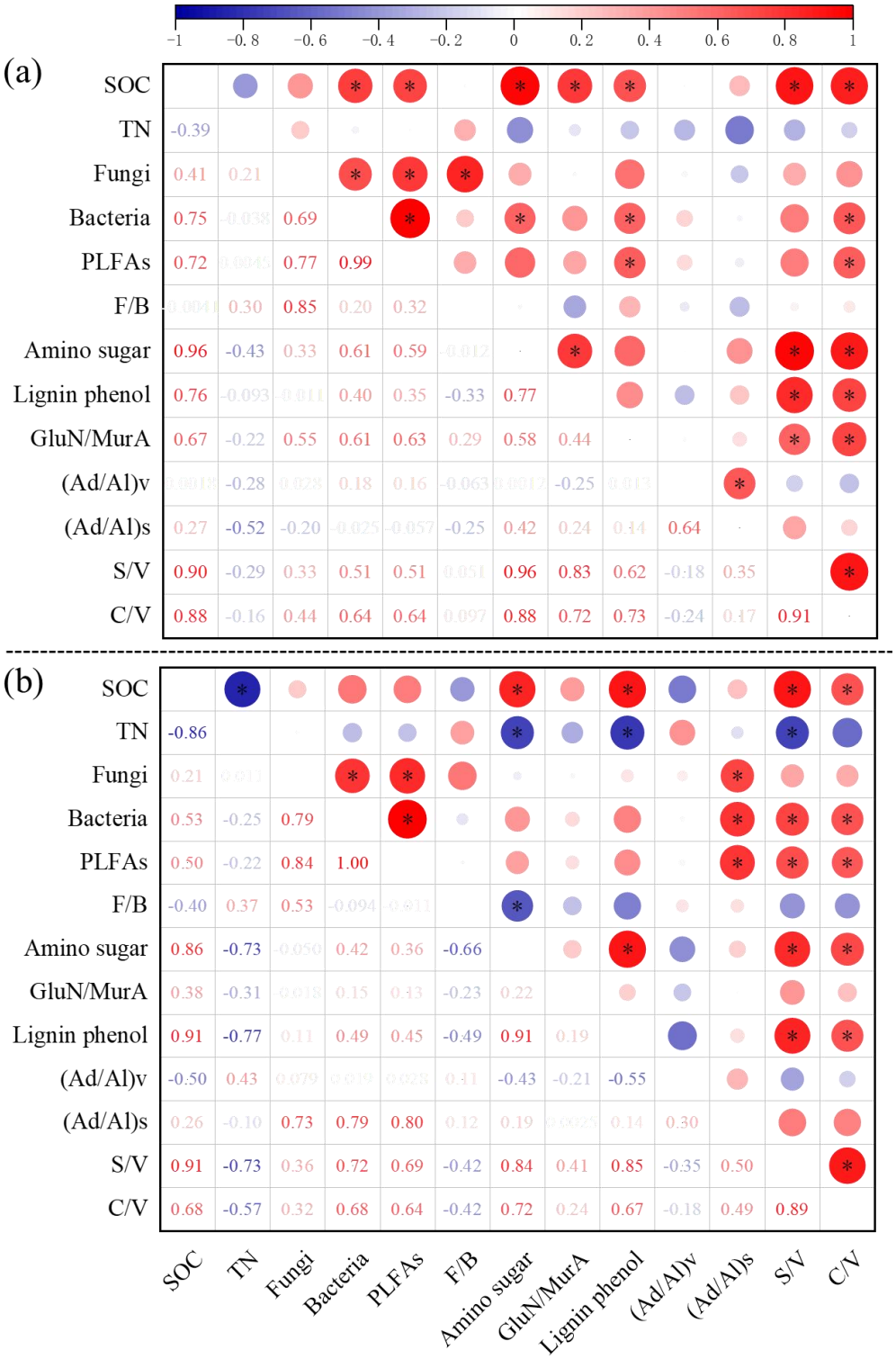

Fig. S2. Relationship between lignin phenols, amino sugars, and soil biotic and abiotic factors in microaggregates (a) and macroaggregates (b). Significance of the correlations (*) was evaluated at the 0.05 levels. Red and blue represent positive and negative correlations, respectively. SOC, Soil organic carbon; TN, Total nitrogen; PLFA, Phospholipid fatty acids; F/B, Ratio of fungi to bacterica; (Ad/Al)v, Acid/aldehyde ratio of vanillyls; (Ad/Al)s, Acid/aldehyde ratio of syringyls; C/V, Ratio of cinnamyl to vanillyl; S/V, Ratio of syringyl to vanillyl.