Supplementary information sI

Supplementary Figures and Tables

Table S1 Physical and chemical properties of the experimental soils

Soil type	pH	OM (g/kg)	TN (g/kg)	AN (mg/kg)	AP (mg/kg)	AK (mg/kg)
Loess Brown	7.86±0.05 a	13.30±0.26 a	0.90±0.02 a	41.35±0.84 a	0.60±0.02 b	153.0±1.9 a
Red	6.83±0.03 b	8.44±0.15 b	0.45±0.01 b	33.83±0.71 b	1.01±0.02 a	44.0±0.81 b

TN: Total N, TP: Total P, TK: Total K, AN: Available N, AP: Available P, AK: Available K. Different letters in the same column indicate a significant difference ($n = 3$, $p < 0.05$, average value, SD = standard deviation).

Table S2. Comparison of iCAMP processes between groups.

Please find Table S2 in the supplementary Excel file.

Table S3 Each bin's contribution was analysed according to iCAMP.

Please find Table S3 in the supplementary Excel file.

Table S4 The relative abundance of each bin and its top taxon.

Please find Table S4 in the supplementary Excel file.

Table S5 The dominant process for each bin.

Please find Table S5 in the supplementary Excel file.

Figure S1

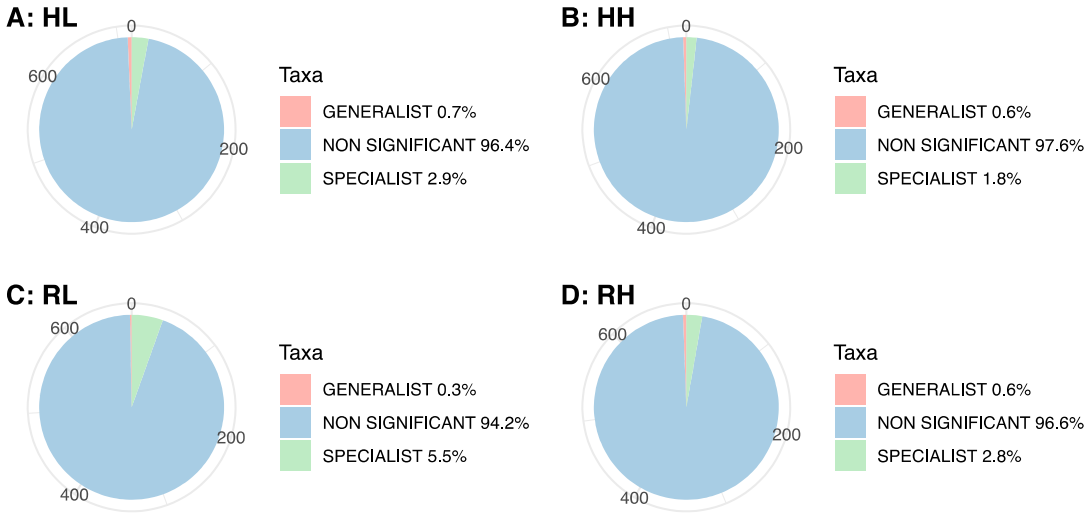


Figure S1 Relative contributions of generalist and specialist species in soil bacterial communities with high- and low-dose fertilization.

HL: low-dose-fertilized H soil, HH: high-dose-fertilized H soil, RL: low-dose-fertilized R soil, RH: high-dose-fertilized R soil.