



Supplement of

Changes in soil physicochemical properties and bacterial communities at different soil depths after long-term straw mulching under a no-till system

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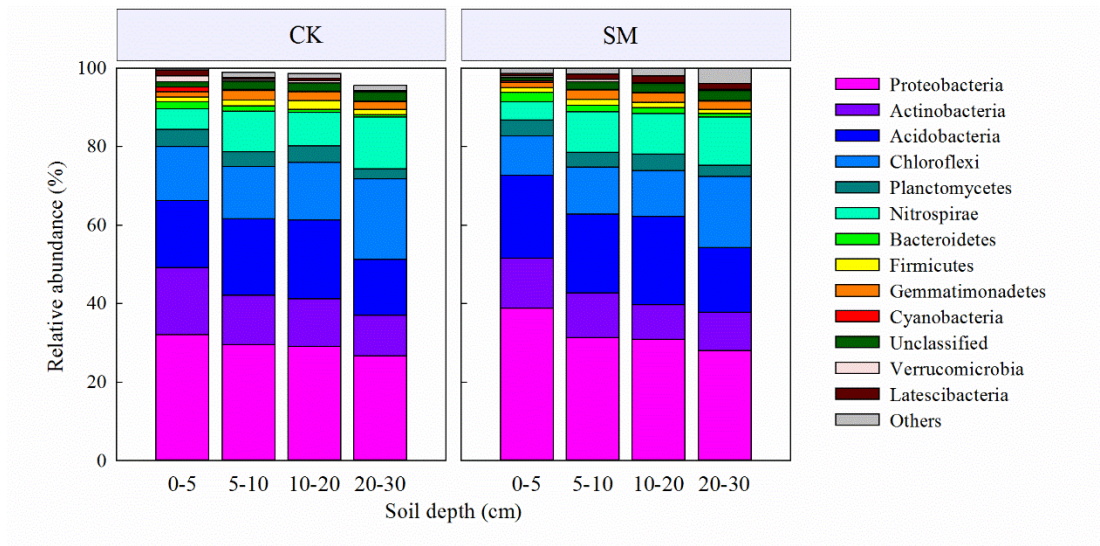


Fig. S1: General distribution of the 14 most abundant bacterial phyla at the different soil depths for the CK and SM treatments.

Table S1: Pearson's correlations between soil bacterial abundance, α -diversity index, and soil properties. ns demonstrates no significant correlation; * and ** indicate significance at the $P = 0.05$ and 0.01 levels, respectively.

	pH	TOC	TN	TP	TK	IN	AP	AK	DOC	DON	WC
Abundance	-0.863**	0.911**	0.896**	0.809**	ns	0.905**	0.906**	0.787**	0.891**	0.795**	0.771**
Shannon	-0.558**	0.642**	0.681**	0.709**	ns	0.554**	0.534**	ns	0.519**	0.662**	0.655**
Shannon Evenness	-0.640**	0.718**	0.768**	0.764**	ns	0.686**	0.666**	0.550**	0.558**	0.668**	0.683**
Chao1	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns