



Supplementary material

Table S2. Relative abundance (% , mean) of the dominant bacterial families in Chernozem of the experimental fields in the south of West Siberia

Taxon	Undisturbed		Ploughed		No till	
	0-5 cm	5-15 cm	0-5 cm	5-15 cm	0-5 cm	5-15 cm
<i>Bacillaceae</i> ¹	1.0 ^{b, 1}	1.1 ^b	0.1 ^a	0.0 ^a	0.0 ^a	0.4 ^{ab}
<i>Blastocatellaceae</i>	0.4 ^a	0.1 ^a	1.0 ^c	0.4 ^{ab}	0.6 ^b	0.2 ^a
<i>Bradyrhizobiaceae</i>	2.0 ^b	0.2 ^a	0.3 ^a	0.5 ^a	0.4 ^a	0.5 ^a
<i>Chitinophagaceae</i>	1.0 ^b	0.2 ^a	0.5 ^a	0.3 ^a	1.1 ^b	0.4 ^a
<i>Gaiellaceae</i>	1.5 ^a	13.9 ^c	6.2 ^b	11.7 ^c	2.9 ^a	10.2 ^{bc}
<i>Gemmatimonadaceae</i>	1.8 ^b	0.6 ^a	3.0 ^c	1.8 ^b	4.4 ^d	1.6 ^b
<i>Geodermatophilaceae</i>	0.1 ^a	0.0 ^a	3.8 ^c	1.5 ^b	5.6 ^c	1.6 ^b
<i>Iamiaceae</i>	0.7 ^a	0.9 ^a	0.7 ^{ab}	1.0 ^b	0.6 ^a	1.1 ^b
<i>Ilumatobacteraceae</i>	0.9 ^c	0.2 ^a	0.9 ^c	0.4 ^{ab}	1.0 ^c	0.6 ^b
<i>Kribbellaceae</i>	1.0 ^b	1.0 ^b	0.4 ^a	0.5 ^{ab}	0.9 ^b	0.8 ^{ab}
<i>Methylobacteriaceae</i>	0.5 ^b	0.1 ^a	1.0 ^c	0.3 ^{ab}	1.9 ^d	0.4 ^{ab}
<i>Micromonosporaceae</i>	6.5 ^c	1.0 ^a	1.1 ^a	0.7 ^a	2.5 ^b	1.1 ^a
<i>Mycobacteriaceae</i>	1.0 ^b	0.3 ^a	0.2 ^a	0.1 ^a	0.6 ^{ab}	0.2 ^a
<i>Nocardioidaceae</i>	1.8 ^b	0.1 ^a	1.9 ^{bc}	0.4 ^a	2.5 ^c	0.4 ^a
<i>Propionibacteriaceae</i>	2.6 ^a	4.1 ^{ab}	1.9 ^a	2.4 ^a	5.1 ^b	4.1 ^{ab}
<i>Pseudonocardiaceae</i>	3.9 ^c	0.5 ^a	1.1 ^a	0.7 ^a	2.7 ^b	1.0 ^a
<i>Rubrobacteraceae</i>	3.7 ^{ab}	2.2 ^a	6.8 ^b	4.4 ^{ab}	5.7 ^b	3.1 ^{ab}
<i>Solirubrobacteraceae</i>	0.8 ^a	1.5 ^a	1.4 ^a	1.3 ^a	1.8 ^a	1.0 ^a
<i>Sphaerobacteraceae</i>	0.1 ^a	0.1 ^a	1.0 ^c	0.6 ^b	0.7 ^{bc}	0.4 ^{ab}
un. ² <i>Acidimicrobiales</i>	0.9 ^b	1.4 ^c	0.4 ^a	1.0 ^b	0.4 ^a	1.4 ^c
un. <i>Myxococcales</i>	1.3 ^{bc}	0.2 ^a	1.0 ^b	0.5 ^a	1.4 ^c	0.3 ^a
un. <i>Rhizobiales</i>	4.3 ^b	4.2 ^b	1.5 ^a	1.8 ^a	0.9 ^a	2.3 ^a
un. <i>Solirubrobacterales</i>	9.1 ^c	8.9 ^c	4.8 ^a	5.5 ^a	5.8 ^{ab}	7.0 ^{bc}

¹ Different letters in rows indicate that the values are different ($P \leq 0.05$, Fisher's LSD test); ² un. stands for unclassified.