



Supplementary material

Table S1. Relative abundance (% , mean) of the dominant bacterial orders 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>Acidimicrobiales</i>	2.6 ^{ab, 1}	2.4 ^{ab}	2.0 ^a	2.4 ^{ab}	2.0 ^a	3.0 ^b
<i>Bacillales</i>	1.3 ^{ab}	1.6 ^b	0.2 ^a	0.3 ^a	0.5 ^a	0.7 ^{ab}
<i>Blastocatellales</i>	1.0 ^b	0.2 ^a	1.2 ^b	0.4 ^a	0.9 ^b	0.3 ^a
<i>Chitinophagales</i>	1.0 ^b	0.2 ^a	0.5 ^a	0.3 ^a	1.1 ^b	0.4 ^a
<i>Gaiellales</i>	1.5 ^a	13.9 ^c	6.2 ^b	11.7 ^c	2.9 ^a	10.2 ^c
<i>Gemmatimonadales</i>	1.8 ^b	0.6 ^a	3.0 ^c	1.8 ^b	4.4 ^c	1.6 ^b
<i>Geodermatophilales</i>	0.1 ^a	0.0 ^a	3.8 ^c	1.5 ^b	5.6 ^c	1.6 ^b
Gp16	2.1 ^a	5.5 ^b	12.4 ^c	10.4 ^c	4.6 ^{ab}	4.3 ^{ab}
Gp3	0.4 ^b	0.1 ^a	1.0 ^c	0.6 ^b	1.0 ^c	0.4 ^b
Gp4	2.7 ^c	2.9 ^c	0.2 ^a	0.4 ^a	0.4 ^a	1.5 ^b
Gp6	10.9 ^b	7.1 ^a	12.4 ^b	14.8 ^b	7.3 ^a	13.6 ^b
<i>Micromonosporales</i>	6.5 ^c	1.0 ^a	1.1 ^a	0.7 ^a	2.5 ^b	1.1 ^a
<i>Mycobacteriales</i>	1.0 ^b	0.3 ^a	0.3 ^a	0.2 ^a	1.0 ^b	0.3 ^a
<i>Myxococcales</i>	2.1 ^c	0.4 ^a	1.6 ^b	0.9 ^a	2.3 ^c	0.7 ^a
<i>Propionibacteriales</i>	5.4 ^a	5.4 ^a	4.3 ^a	3.4 ^a	8.6 ^b	5.5 ^a
<i>Pseudonocardiales</i>	3.9 ^c	0.5 ^a	1.1 ^a	0.7 ^a	2.7 ^b	1.0 ^a
<i>Rhizobiales</i>	7.2 ^b	4.8 ^{ab}	3.2 ^a	2.9 ^a	3.9 ^a	3.6 ^a
<i>Rhodospirillales</i>	0.9 ^b	0.2 ^a	1.4 ^c	0.9 ^b	1.9 ^c	0.7 ^b
<i>Rubrobacterales</i>	3.7 ^{ac}	2.2 ^a	6.8 ^c	4.4 ^{ab}	5.7 ^{bc}	3.1 ^{ab}
<i>Solirubrobacterales</i>	10.1 ^{bc}	10.5 ^c	6.4 ^a	6.9 ^a	7.8 ^{ab}	8.1 ^{abc}
<i>Spartobacteria_gis</i> ²	4.6 ^b	3.5 ^b	0.9 ^a	1.1 ^a	0.7 ^a	0.0 ^a
<i>Sphaerobacterales</i>	0.1 ^a	0.1 ^a	1.0 ^b	0.6 ^b	0.7 ^b	0.4 ^b
<i>Sphingomonadales</i>	0.1 ^a	0.0 ^a	0.7 ^b	0.1 ^a	1.0 ^b	0.0 ^a
un. ³ <i>Thermoleophilia</i>	2.6 ^c	4.6 ^c	1.0 ^a	1.8 ^b	0.8 ^a	2.3 ^b
WPS-1_gis	0.6 ^{ab}	0.3 ^a	0.8 ^{abc}	0.7 ^{abc}	1.1 ^c	0.5 ^a

¹ Different letters in rows indicate that the values are different ($P \leq 0.05$, Fisher's LSD test); ² gis stands for genus incertae sedis; ³ un. stands for unclassified.