

**Supplementary Table 1.** Number of *Fusarium* sp. isolates obtained under different sequences and depths (a, 0-5 cm; b, 5-10 cm; c, 10-20 cm).

Sequences <sup>1</sup>	<i>F. equisetii</i>			<i>F. merismoides</i>			<i>F. oxysporum</i>			<i>F. scirpi</i>			<i>F. solani</i>		
	a	b	c	a	b	c	a	b	c	a	b	c	a	b	c
I	0	0	0	0	0	0	14	4	3	0	0	0	0	0	0
II	0	0	0	0	0	0	15	4	2	0	0	0	1	0	2
III	0	0	1	0	1	0	11	5	4	2	0	0	1	0	0
IV	0	0	0	0	0	1	3	4	3	0	0	0	0	1	0
V	1	0	0	0	0	0	22	4	10	3	0	0	0	0	0

<sup>1</sup> Sequences: I, conservationist agriculture (wheat-sorghum-soybean); II, mixed agriculture/livestock with pastures, without using winter or summer forages (wheat-sorghum-soybean-canola-pastures); III, winter agriculture in depth-limited soils (wheat-canola-barley-late soybean); IV, mixed with annual forage (wheat-oat/*Vicia sativa*-sunflower); V, intensive agriculture (wheat-barley-canola, with alternation of soybean or late soybean).