

**Table S1. The main physical and agrochemical characteristics of the analyzed soil samples [10]**

Parameter	Units	Soil type	
		Sod- podzolic	Chernozem
<b>Particle size (mm) distribution</b>			
<b>1-0.25</b>	%	15.1	1.8
<b>0.25-0.10</b>	%	16.4	1.1
<b>0.10-0.05</b>	%	23.26	10.86
<b>0.05-0.01</b>	%	28.64	33.36
<b>0.01-0.005</b>	%	1.8	7.68
<b>0.005-0.001</b>	%	3.2	11.08
<b>&lt;0.001</b>	%	11.6	34.12
<b>Agro-chemical analysis</b>			
<b>pH</b>	pH units	6.05	7.32
<b>N</b>	%	0.22	0.38
<b>P</b>	mg/kg	85	121
<b>K</b>	mg/kg	60	155
<b>C</b>	%	2.48	8.75
<b>Ca</b>	mmol/100 g	3.25	30.62
<b>Mg</b>	mmol/100 g	2.45	3.82