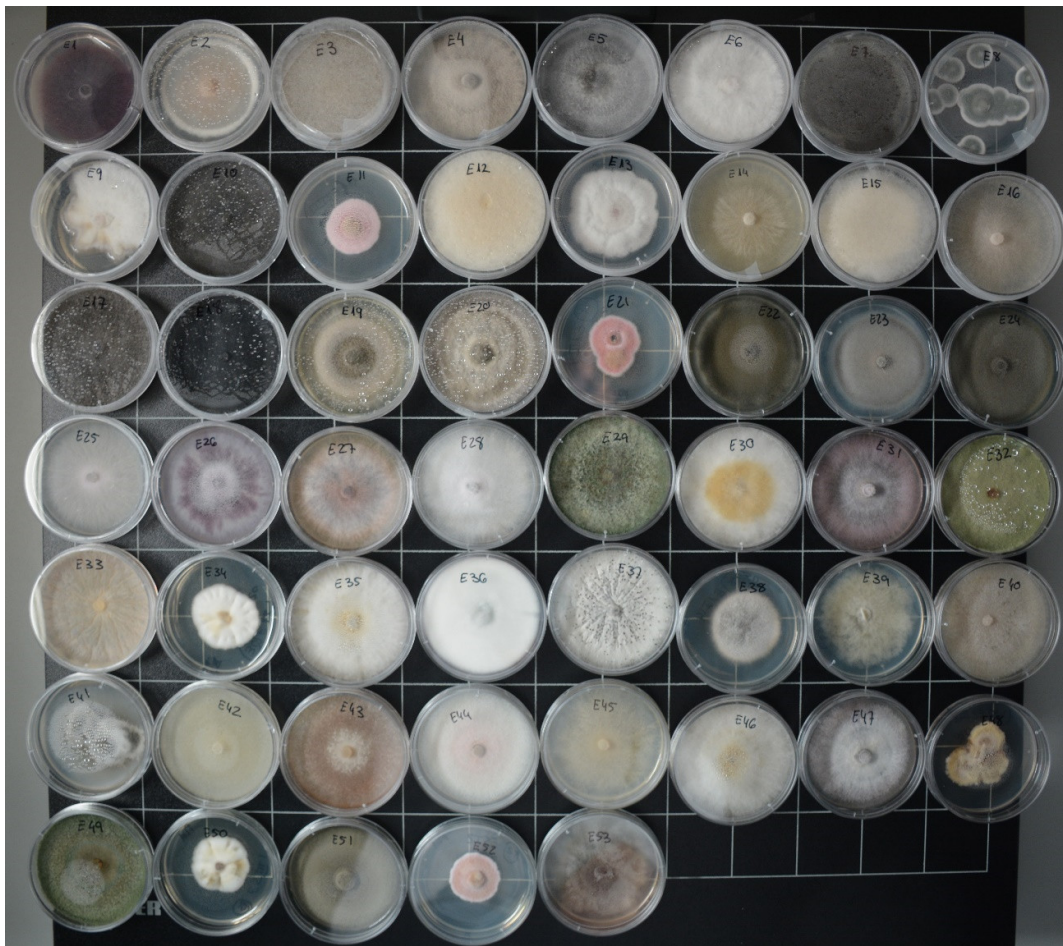


**Table S1.** Growth of 54 fungal isolates, obtained from the root endosphere of wheat Berdun, in potato dextrose broth (PDB) medium with 0, 10, 20, 30, or 40% (vol/vol) polyethylene glycol (PEG). The genus was assigned by analyzing of the ITS1-ITS4 region sequence.

Isolate	Genus	PDB	PDB+10% PEG	PDB+20% PEG	PDB+30% PEG	PDB+40% PEG
1	<i>Fusarium</i>	++	+++	++	++	++
2	<i>Fusarium</i>	+++	+++	++	++	++
3	<i>Rhizopus</i>	+++	+++	+++	+++	+++
4	<i>Microdochium</i>	+++	++++	++++	++	+
5	<i>Fusarium</i>	-	-	-	-	-
6	<i>Alternaria</i>	+++	+++	++	+	+
7	<i>Aspergillus</i>	++	++	+++	+++	+++
8	<i>Penicillium</i>	++	+++	++++	++++	+++
9	<i>Fusarium</i>	+	+	+	+	+
10	<i>Monosporascus</i>	+++	++	+	-	-
11	<i>Alternaria</i>	+	+	+	+	+
12	<i>Actinomucor</i>	+++	+++	++	++	++
13	<i>Fusarium</i>	-	-	-	-	-
14	<i>Monosporascus</i>	-	-	-	-	-
15	<i>Actinomucor</i>	++	++	++	+	+
16	<i>Monosporascus</i>	-	-	-	-	-
17	<i>Sordaria</i>	+	+	++	+	-
18	<i>Macrophomina</i>	+++	++	++	+	+
19	<i>Alternaria</i>	++	++	++	+	-
20	<i>Alternaria</i>	+	+	+	+	+
21	<i>Fusarium</i>	++	++	++	++	++
22	<i>Alternaria</i>	+	+	+	+	-
23	<i>Periconia</i>	-	-	-	-	-
24	<i>Alternaria</i>	++	++	+	+	-
25	<i>Fusarium</i>	+	+	+	+	+
26	<i>Fusarium</i>	+	+	+	+	+
27	<i>Fusarium</i>	+	+	+	+	+
28	<i>Fusarium</i>	-	-	-	-	-
29	<i>Trichoderma</i>	+++	++	++	+	+
30	<i>Fusarium</i>	++	++	++	+	+
31	<i>Fusarium</i>	++	+	+	+	-
32	<i>Trichoderma</i>	+++	++	+	+	+
33	<i>Waitea</i>	+	+	-	-	-
34	<i>Fusarium</i>	-	-	-	-	-
35	<i>Fusarium</i>	+	-	-	-	-
36	<i>Aspergillus</i>	+++	+++	++	+	-
37	<i>Diaporthe</i>	+	+	-	-	-
38	<i>Setophoma</i>	-	-	-	-	-
39	<i>Chaetomium</i>	-	-	-	-	-
40	<i>Monosporascus</i>	-	-	-	-	-
41	<i>Periconia</i>	-	-	-	-	-
42	<i>Monosporascus</i>	-	-	-	-	-

43	<i>Monosporascus</i>	-	-	-	-	-
44	<i>Fusarium</i>	+	+	+	-	-
45	<i>Monosporascus</i>	-	-	-	-	-
46	<i>Fusarium</i>	-	-	-	-	-
47	<i>Fusarium</i>	-	-	-	-	-
48	<i>Fusarium</i>	-	-	-	-	-
49	<i>Trichoderma</i>	++	++	+	+	+
50	<i>Fusarium</i>	+	+	+	-	-
51	<i>Alternaria</i>	+	+	-	-	-
52	<i>Fusarium</i>	-	-	-	-	-
53	<i>Sordaria</i>	++	++	+	+	-
54	<i>Trichoderma</i>	+++	+++	+++	++	+

Data scale: - (no growth), + to +++ (increasing hyphal growth), and ++++ (completely bushy well).



**Figure S1.** Potato dextrose agar (PDA) cultures of the 53 fungal endophytes that were obtained in this study.