



Figure S1. An example of pot with sunflower plants at the day of harvesting.

Table S1. The percentage of query coverage, similarity, and accession numbers for the top ten fungal type strains related to the BA3 strain, based on BLASTn searches in the NCBI GenBank using internal transcribed spacer (ITS) gene sequences.

Type strain	Query Coverage (%)	Similarity (%)	Accession
<i>Botrytis eucalypti</i> CERC 7170	98	100	KX301016.1
<i>Botrytis pelargonii</i> CBS 497.50	90	100	AJ716290.1
<i>Botrytis fabae</i> CBS 120.29	90	100	MH855020.1
<i>Botrytis caroliniana</i> ATCC MYA-4856	97	99.80	NR_111839.1
<i>Botryotinia ranunculi</i> CBS 178.63	100	99.61	NR_164278.1
<i>Botrytis californica</i> WSP 72753	100	99.61	NR_151843.1
<i>Botrytis deweyae</i> CBS 134650	100	99.61	NR_171711.2
<i>Botrytis sinoallii</i> OnionBC-23	100	99.61	EU519203.1
<i>Botryotinia polyblastis</i> CBS 287.38	90	99.57	NR_164208.1
<i>Botrytis porri</i> CBS 190.26	100	99.02	MH854885.1

Table S2. Correlation coefficients between concentrations of phytohormones in sunflower plants (n = 6).

Parameters	Root ABA	Root SA	Root JA	Root IAA	Root GA3	Root DHZ	Root tZ	Root tZR	Shoot ABA	Shoot SA	Shoot JA	Shoot IAA	Shoot GA3	Shoot DHZ	Shoot tZ
Root SA	-0.0365														
	$p = 0.932$														
Root JA	0.6031	0.3949													
	$p = 0.113$	$p = 0.333$													
Root IAA	-0.1671	-0.3276	-0.1518												
	$p = 0.692$	$p = 0.428$	$p = 0.720$												
Root GA3	0.2586	-0.6992	0.1801	0.4574											
	$p = 0.536$	$p = 0.054$	$p = 0.669$	$p = 0.254$											
Root DHZ	0.4533	-0.5840	0.2953	0.4835	0.8467										
	$p = 0.259$	$p = 0.128$	$p = 0.478$	$p = 0.225$	$p = 0.008$										
Root tZ	-0.3650	-0.0804	-0.3711	0.0362	-0.4101	-0.1986									
	$p = 0.374$	$p = 0.850$	$p = 0.365$	$p = 0.932$	$p = 0.313$	$p = 0.637$									
Root tZR	0.7083	0.0900	0.8109	-0.0460	0.4709	0.6606	-0.3585								
	$p = 0.049$	$p = 0.832$	$p = 0.015$	$p = 0.914$	$p = 0.239$	$p = 0.075$	$p = 0.383$								
Shoot ABA	-0.2846	0.5938	0.3306	-0.6515	-0.4402	-0.5826	-0.1526	-0.0645							
	$p = 0.495$	$p = 0.121$	$p = 0.424$	$p = 0.080$	$p = 0.275$	$p = 0.130$	$p = 0.718$	$p = 0.879$							
Shoot SA	-0.1470	0.7474	0.2585	-0.5586	-0.6017	-0.7260	-0.3471	-0.1898	0.8616						
	$p = 0.728$	$p = 0.033$	$p = 0.536$	$p = 0.150$	$p = 0.115$	$p = 0.041$	$p = 0.400$	$p = 0.652$	$p = 0.006$						
Shoot JA	-0.3626	0.1003	0.1196	-0.3693	0.1122	-0.0654	-0.4014	0.0505	0.7034	0.4748					
	$p = 0.377$	$p = 0.813$	$p = 0.778$	$p = 0.368$	$p = 0.791$	$p = 0.878$	$p = 0.324$	$p = 0.905$	$p = 0.052$	$p = 0.234$					
Shoot IAA	-0.1514	0.2830	0.2132	-0.5466	-0.0274	-0.1547	-0.5356	0.1449	0.7394	0.6217	0.9407				
	$p = 0.721$	$p = 0.497$	$p = 0.612$	$p = 0.161$	$p = 0.949$	$p = 0.715$	$p = 0.171$	$p = 0.732$	$p = 0.036$	$p = 0.100$	$p = 0.000$				
Shoot GA3	0.2627	0.0702	0.0102	-0.3732	0.1219	0.2264	-0.3322	0.4480	-0.0378	-0.0630	0.3005	0.4703			
	$p = 0.530$	$p = 0.869$	$p = 0.981$	$p = 0.363$	$p = 0.774$	$p = 0.590$	$p = 0.421$	$p = 0.266$	$p = 0.929$	$p = 0.882$	$p = 0.470$	$p = 0.240$			
Shoot DHZ	-0.0791	0.2071	-0.0821	-0.6071	-0.3413	-0.4132	0.4203	-0.0010	0.2515	0.0508	-0.0736	-0.0146	0.2762		
	$p = 0.852$	$p = 0.623$	$p = 0.847$	$p = 0.110$	$p = 0.408$	$p = 0.309$	$p = 0.300$	$p = 0.998$	$p = 0.548$	$p = 0.905$	$p = 0.862$	$p = 0.973$	$p = 0.508$		
Shoot tZ	-0.5142	0.3614	-0.1921	-0.6184	-0.4853	-0.7650	-0.1525	-0.5044	0.8329	0.8054	0.6624	0.6886	-0.0128	0.2411	
	$p = 0.192$	$p = 0.379$	$p = 0.649$	$p = 0.102$	$p = 0.223$	$p = 0.027$	$p = 0.718$	$p = 0.202$	$p = 0.010$	$p = 0.016$	$p = 0.074$	$p = 0.059$	$p = 0.976$	$p = 0.565$	
Shoot tZR	-0.1345	0.3405	0.2275	-0.8274	-0.2492	-0.4205	-0.2762	0.0359	0.8917	0.7106	0.7997	0.8702	0.2938	0.3533	0.8211
	$p = 0.751$	$p = 0.409$	$p = 0.588$	$p = 0.011$	$p = 0.552$	$p = 0.300$	$p = 0.508$	$p = 0.933$	$p = 0.003$	$p = 0.048$	$p = 0.017$	$p = 0.005$	$p = 0.480$	$p = 0.391$	$p = 0.012$

Red values indicate significant correlation.

Table S3. Correlation coefficients between concentrations of phytohormones in sunflower and the effect on plant biomass of all the treatments applied relative to uninoculated and untreated control (n = 6).

Parameters	Effect on shoot biomass (%)	Effect on root biomass (%)	Shoot / Root ratio
Root ABA	-0.9563 <i>p</i> < 0.001	-0.9388 <i>P</i> = 0.001	-0.0771 <i>p</i> = 0.856
Root SA	0.0337 <i>p</i> = 0.937	-0.1019 <i>p</i> = 0.810	0.3640 <i>p</i> = 0.375
Root Ja	-0.6738 <i>p</i> = 0.067	-0.5605 <i>p</i> = 0.148	-0.3214 <i>p</i> = 0.438
Root IAA	0.2287 <i>p</i> = 0.586	0.4583 <i>p</i> = 0.253	-0.6296 <i>p</i> = 0.094
Root GA3	-0.3365 <i>p</i> = 0.415	-0.0852 <i>p</i> = 0.841	-0.6695 <i>p</i> = 0.069
Root DHZ	-0.4595 <i>p</i> = 0.252	-0.2656 <i>p</i> = 0.525	-0.5046 <i>p</i> = 0.202
Root tZ	0.3357 <i>p</i> = 0.416	0.3220 <i>p</i> = 0.437	0.0264 <i>p</i> = 0.951
Root tZR	-0.7980 <i>p</i> = 0.018	-0.6879 <i>p</i> = 0.059	-0.2875 <i>p</i> = 0.490
Shoot ABA	0.2032 <i>p</i> = 0.629	0.0927 <i>p</i> = 0.827	0.3153 <i>p</i> = 0.447
Shoot SA	0.1726 <i>p</i> = 0.683	0.0018 <i>p</i> = 0.997	0.4617 <i>p</i> = 0.249
Shoot Ja	0.2982 <i>p</i> = 0.473	0.2304 <i>p</i> = 0.583	0.2463 <i>p</i> = 0.556
Shoot IAA	0.1158 <i>p</i> = 0.785	-0.0268 <i>p</i> = 0.950	0.4444 <i>p</i> = 0.270
Shoot GA3	-0.3006 <i>p</i> = 0.469	-0.4614 <i>p</i> = 0.250	0.4912 <i>p</i> = 0.216
Shoot DHZ	-0.1230 <i>p</i> = 0.772	-0.1981 <i>p</i> = 0.638	0.1927 <i>p</i> = 0.648
Shoot tZ	0.4852 <i>p</i> = 0.223	0.3044 <i>p</i> = 0.463	0.5073 <i>p</i> = 0.199
Shoot tZR	0.0397 <i>p</i> = 0.926	-0.1152 <i>p</i> = 0.786	0.4505 <i>p</i> = 0.263

Red values indicate significant correlation.