



**Table S1.** Mean values, as percentage of control (0% dose), of the colony growth of different isolates of oomycetes and fungi in Potato Dextrose Agar plates, amended with increasing doses of the giant reed extract. Standard deviations are reported in parentheses.

Isolate\Extract dose (%)	Colony growth (% of control)			
	10	20	40	80
<b>Soilborne pathogens</b>				
<i>Pythium ultimum</i> 16	88.9 (2.3)	74.2 (10.4)	0.1 (0.1)	0.0 (0.0)
<i>Pythium ultimum</i> 22	69.4 (2.1)	41.7 (3.5)	24.2 (4.5)	0.0 (0.0)
<i>Phytophthora cactorum</i>	82.8 (9.0)	0.5 (0.1)	0.2 (0.2)	0.0 (0.0)
<i>Ceratobasidium</i> sp. RH3	93.9 (1.8)	83.2 (0.8)	63.0 (1.0)	28.3 (0.4)
<i>Rhizoctonia solani</i> DAF3001	85.3 (5.9)	75.6 (3.5)	57.8 (1.2)	28.7 (3.5)
<i>Sclerotium rolfsii</i> 1	32.6 (2.0)	13.7 (0.8)	1.5 (0.0)	0.0 (0.0)
<i>Sclerotium rolfsii</i> 2	31.6 (3.1)	16.4 (4.3)	1.6 (0.0)	0.0 (0.0)
<i>Sclerotinia sclerotiorum</i> MA3	85.9 (2.8)	68.8 (0.7)	45.6 (0.3)	13.1 (1.0)
<i>Phoma betae</i>	165.2 (5.7)	161.7 (1.7)	156.2 (0.9)	97.5 (1.7)
<i>Fusarium oxysporum</i> L1	107.8 (0.5)	111.8 (1.1)	110.3 (0.9)	85.7 (0.5)
<i>Fusarium oxysporum</i> 11.22	109.2 (0.5)	111.3 (1.1)	108.9 (0.9)	85.9 (0.5)
<b>Airborne fungi</b>				
<i>Botrytis cinerea</i> 1	89.7 (2.8)	95.6 (2.2)	82.7 (2.2)	0.3 (0.1)
<i>Botrytis cinerea</i> 2	118.7 (4.3)	193.7 (10.4)	167.2 (5.4)	0.4 (0.0)
<i>Alternaria alternata</i> 1	123.6 (13.5)	152.9 (5.8)	146.8 (4.7)	102.0 (2.6)
<i>Alternaria alternata</i> 2	92.6 (0.5)	91.5 (1.0)	78.8 (0.5)	41.9 (0.5)
<b>Wood decay fungi</b>				
<i>Phanerochaete chrysosporium</i> D85242T	40.9 (2.7)	12.4 (2.0)	0.0 (0.0)	0.0 (0.0)
<i>Trametes versicolor</i> D83211	48.6 (1.6)	18.6 (0.9)	0.2 (0.0)	0.0 (0.0)
<i>Pleurotus ostreatus</i>	80.1 (21.4)	86.0 (9.3)	66.8 (1.6)	0.1 (0.1)
<b>Pathogenic and non-pathogenic</b>				
<b><i>Trichoderma</i> sp.</b>				
<i>Trichoderma pleuroticola</i> 488	78.6 (7.3)	58.7 (5.0)	39.1 (0.8)	30.6 (1.5)
<i>Trichoderma pleuroti</i> 498	89.6 (1.0)	72.9 (2.2)	33.7 (2.0)	0.0 (0.0)
<i>Trichoderma gamsii</i> IMO5	89.0 (1.2)	57.2 (1.9)	20.1 (5.7)	0.0 (0.0)
<i>Trichoderma afroharzianum</i> B75	74.8 (10.3)	50.3 (14.4)	21.0 (6.8)	0.2 (0.1)

**Table S2.** Mean values, as percentage of control (0% dose), of the number of sclerotia per plate produced by *Sclerotium rolfsii* and *Sclerotinia sclerotiorum* in Potato Dextrose Agar plates amended with increasing doses of the giant reed extract. Standard deviations are reported in parentheses.

Isolate\Extract dose (%)	Number of sclerotia per plate (% of control)			
	10	20	40	80
<i>Sclerotium rolfsii</i> 1	113 (52)	166 (8.6)	43 (19.9)	0.0 (0.0)
<i>Sclerotium rolfsii</i> 2	106 (43.8)	132 (15.6)	43 (40)	0.0 (0.0)
<i>Sclerotinia sclerotiorum</i> MA3	105 (2.4)	90 (4.1)	96 (4.7)	47 (20)

**Table S3.** Mean values of emergence (%) of zucchini seedlings in trays filled with peat or sand treated with the undiluted giant reed extract in comparison with untreated control. Standard deviations are reported in parentheses.

Treatment\substrate	Emergence (%)	
	Peat	Sand
Untreated control	87 (15)	97 (6)
Treated	70 (27)	83 (15)