

Table 1S. Data from endophytic and rhizospheric fungi obtained in antagonistic assays against *V. dahliae*, i.e. dual culture (DC), the antagonistic activity of fungi metabolites on the germination of microsclerotia *in vitro* (NV), in the soil (MV) and the total inhibition (I<sub>T</sub>).

No.	Isolate	Source	Accession number	DC (%)	NV (%)	MV (%)	I <sub>T</sub> (%)
1	<i>Aureobasidium microsticum</i> AE16	Leaf-petiole (peach)	-	11.67	50	13	21.91
2	<i>Aureobasidium microsticum</i> AE17	Peach branch	-	8.84	40	16	20.21
3	<i>Aureobasidium microsticum</i> AE18	Peach branch	-	8.83	55	10	20.95
4	<i>Clonostachys rosea</i> AE19	Peach branch	-	11.78	56	18	25.94
5	<i>Clonostachys rosea</i> AE20	Nectarine branch	-	20.58	22	12	16.64
6	<i>Clonostachys rosea</i> AE21	Nectarine branch	-	18.52	11	12	13.38
7	<i>Clonostachys rosea</i> AE22	Nectarine branch	-	47.05	30	17	27.76
8	<i>Clonostachys rosea</i> AE23	Nectarine branch	-	25.88	15	13	16.72
9	<i>Clonostachys rosea</i> AE24	Peach branch	-	20.88	40	14	22.22
10	<i>Clonostachys rosea</i> AE25	Peach rhizosphere	-	38.33	40	22	30.55
11	<i>Clonostachys rosea</i> AE26	Peach rhizosphere	-	8.81	42	12	18.70
12	<i>Clonostachys rosea</i> AE27	Peach rhizosphere	-	12.05	32	10	16.01
13	<i>Clonostachys rosea</i> AE28	Peach rhizosphere	-	25	15	15	17.5
14	<i>Clonostachys rosea</i> AE29	Peach rhizosphere	-	25	11	25	21.5
15	<i>Clonostachys rosea</i> AE30	Peach rhizosphere	-	34.5	17	11	18.37
16	<i>Clonostachys rosea</i> AE31	Peach rhizosphere	-	44.5	37	24	32.37
17	<i>Clonostachys rosea</i> AE32	Peach rhizosphere	-	5.88	14	10	9.97
18	<i>Fusarium oxysporum</i> AE33	Nectarine root	-	32.35	35	29	31.33
19	<i>Fusarium oxysporum</i> AE34	Nectarine root	-	47.05	31	31	35.01
20	<i>Fusarium oxysporum</i> AE35	Nectarine root	-	29.41	18	21	29.80
21	<i>Fusarium oxysporum</i> AE36	Nectarine root	-	32.35	47	33	36.33
22	<i>Fusarium oxysporum</i> AE37	Nectarine root	-	44.7	22	18	25.67
23	<i>Fusarium oxysporum</i> AE38	Nectarine root	-	38.23	22	41	35.55
24	<i>Fusarium</i> sp. AE39	Nectarine root	-	47.64	69	18	38.16
25	<i>Fusarium solani</i> AE40	Nectarine root	-	46.47	62	20	37.11
26	<i>Fusarium solani</i> AE41	Nectarine root	-	22.35	12	30	23.58
27	<i>Fusarium solani</i> AE42	Peach branch	-	29.41	18	28	25.85
28	<i>Fusarium</i> sp. AE43	Peach branch	-	41.17	11	72	49.04
29	<i>Fusarium oxysporum</i> AE44	Peach branch	-	38.23	82	74	67.05

30	<i>Fusarium solani</i> AE45	Peach branch	-	40.32	9	28	26.33
31	<i>Fusarium proliferatum</i> AE46	Peach branch	-	26.47	58	37	39.61
32	<i>Fusarium proliferatum</i> AE47	Peach rhizosphere	-	50	13	41	36.25
33	<i>Fusarium</i> sp. AE48	Peach rhizosphere	-	29.41	9	27	23.10
34	<i>Fusarium proliferatum</i> AE49	Peach rhizosphere	-	56.95	9	27	29.98
35	<i>Fusarium oxysporum</i> AE50	Nectarine rhizosphere	-	38.2	31	28	31.3
36	<i>Fusarium proliferatum</i> AE51	Peach rhizosphere	-	58.52	23	21	30.95
37	<i>Fusarium solani</i> AE52	Apricot branch	-	43.21	23	67	50.05
38	<i>Fusarium solani</i> AE53	Nectarine rhizosphere	-	34.55	18	18	22.13
39	<i>Trichoderma harzianum</i> AE54	Peach rhizosphere	-	41.76	33	23	30.19
40	<i>Trichoderma harzianum</i> AE55	Peach rhizosphere	MN640597	47	32	33	36.25
41	<i>Trichoderma harzianum</i> AE56	Peach rhizosphere	-	50.58	30	34	37.14
42	<i>Trichoderma harzianum</i> AE57	Peach rhizosphere	-	49.79	29	15	27.19
43	<i>Trichoderma harzianum</i> AE58	Nectarine rhizosphere	-	46.88	23	14	24.47
44	<i>Trichoderma harzianum</i> AE59	Nectarine rhizosphere	-	53.82	23	28	33.20
45	<i>Trichoderma harzianum</i> AE60	Peach rhizosphere	-	37.94	20	21	24.98
46	<i>Trichoderma harzianum</i> AE61	Peach rhizosphere	-	55.76	32	15	29.44
47	<i>Trichoderma harzianum</i> AE62	Peach rhizosphere	-	56.47	22	17	28.11
48	<i>Trichoderma harzianum</i> AE63	Plum rhizosphere	-	60.29	39	13	31.32
49	<i>Trichoderma asperellum</i> AE64	Plum rhizosphere	-	26.47	41	48	40.86
50	<i>Trichoderma harzianum</i> AE65	Peach rhizosphere	MN650598	20.47	23	42	31.86
51	<i>Trichoderma asperellum</i> AE66	Peach rhizosphere	MN650596	54.41	51	95	73.85
52	<i>Trichoderma harzianum</i> AE67	Peach rhizosphere	-	46.77	50	31	39.69
53	<i>Trichoderma harzianum</i> AE68	Peach rhizosphere	-	36.29	31	58	45.82
54	<i>Trichoderma harzianum</i> AE69	Apricot branch	MN650599	47.32	68	18	37.83
55	<i>Trichoderma harzianum</i> AE70	Nectarine branch	-	23.67	32	30	28.91
56	<i>Trichoderma harzianum</i> AE71	Nectarine branch	-	28.49	30	50	39.62
57	<i>Penicillium spinulosum</i> AE72	Nectarine rhizosphere	-	56.95	29	41	41.95
58	<i>Penicillium spinulosum</i> AE73	Nectarine rhizosphere	-	57.72	23	17	28.93
59	<i>Penicillium spinulosum</i> AE74	Nectarine rhizosphere	-	50.06	43	18	32.26
60	<i>Penicillium spinulosum</i> AE75	Nectarine rhizosphere	-	57.23	25	14	27.55

61	<i>Penicillium spinolosum</i> AE76	Nectarine rhizosphere	-	53.97	59	59	57.74
62	<i>Penicillium spinolosum</i> AE77	Peach rhizosphere	-	54.22	20	31	34.05
63	<i>Penicillium spinolosum</i> AE78	Peach rhizosphere	-	49.63	47	12	30.15
64	<i>Penicillium spinolosum</i> AE79	Peach rhizosphere	-	57.14	47	23	37.53
65	<i>Penicillium spinolosum</i> AE80	Peach rhizosphere	-	48.16	34	77	59.04
66	<i>Aspergillus flavipes</i> AE81	Peach branch	-	23.94	72	41	44.48
67	<i>Aspergillus carbonarius</i> AE82	Nectarine root	-	63.71	42	24	38.42
68	<i>Aspergillus carneus</i> AE83	Nectarine root	-	34.86	75	21	37.96
69	<i>Penicillium</i> sp. AE84	Peach branch	-	35.67	82	21	39.1
70	<i>Aspergillus flavus</i> AE85	Peach root	-	37.27	56	61	53.81
71	<i>Aspergillus carbonarius</i> AE86	Peach root	-	58.02	40	48	48.50
72	<i>Aspergillus</i> sp. AE87	Nectarine rhizosphere	-	41.72	36	32	35.43
73	<i>Aspergillus carneus</i> AE88	Nectarine root	-	43.89	86	20	42.47
74	<i>Aspergillus flavus</i> AE89	Nectarine root	-	38.55	53	71	58.38
75	<i>Alternaria alternata</i> AE90	Peach branch	-	18.23	20	5	12.08
76	<i>Alternaria alternata</i> AE91	Peach branch	-	20.41	15	12	14.85
77	<i>Alternaria alternata</i> AE92	Peach branch	-	22.18	9	12	13.79
78	<i>Alternaria alternata</i> AE93	Nectarine branch	-	26.97	7	21	18.99
79	<i>Alternaria alternata</i> AE94	Nectarine branch	-	23.14	30	22	24.28
80	<i>Alternaria</i> sp. AE95	Nectarine branch	-	21.47	33	18	22.61
81	<i>Alternaria</i> sp. AE96	Peach branch	-	19.11	28	17	20.27
82	<i>Alternaria alternata</i> AE97	Peach branch	-	30.29	18	37	30.57
83	<i>Alternaria alternata</i> AE98	Peach branch	-	24.58	14	14	16.64
84	<i>Alternaria alternata</i> AE99	Peach branch	-	24.41	20	20	21.10
85	<i>Cryptococcus</i> sp. AE101	Peach branch	-	32	79	44	49.75