

Online Resource 8. Isolates obtained from roots of symptomatic plants and their species identification based on molecular analyses. **ID_I**, identification code of each isolate. **ID_P**, identification code of each plant (flooded on unsterile soil) of origin. **ID_M**, identification code for unique combination of morphological (numbers) and molecular groupings (letters); samples without letters were directly submitted for ITS sequencing. **BLAST search**, species identification is based on overall sequence similarity (e.g., 97–100% sequence similarity) with other reference sequences in GenBank. **GenBank accession no.**, the nucleotide sequences of reference isolates (in bold) obtained in this study were submitted to GenBank (*sequences with a similarity < 97% due to baseline noise were not submitted). **Sequence similarity**, nucleotide sequence similarity of all the other isolates obtained in this study with the submitted sequences.

ID_I	ID_P	ID_M	Species identification	Authority	BLAST search	GenBank accession no.	Sequence similarity
KD-15	34	1.A	<i>Phytophthium chamaehyphon</i>	(Sideris) Abad, de Cock, Bala, Robideau, Lodhi & Lévesque	MF375471.1 99.68%	MN535819	.
KD-2	24	1.A	<i>Phytophthium chamaehyphon</i>	(Sideris) Abad, de Cock, Bala, Robideau, Lodhi & Lévesque	MF375471.1 99.68%	.	MN535819 100%
KD-13	32	1.A	<i>Phytophthium chamaehyphon</i>	(Sideris) Abad, de Cock, Bala, Robideau, Lodhi & Lévesque	MF375471.1 99.68%	.	MN535819 100%
KD-27	23	1.A	<i>Phytophthium chamaehyphon</i>	(Sideris) Abad, de Cock, Bala, Robideau, Lodhi & Lévesque	MF375471.1 99.68%	.	MN535819 100%
KD-35	33	1.A	<i>Phytophthium chamaehyphon</i>	(Sideris) Abad, de Cock, Bala, Robideau, Lodhi & Lévesque	MF375471.1 99.68%	.	MN535819 100%
KD-1	21	1.A	<i>Phytophthium chamaehyphon</i>	(Sideris) Abad, de Cock, Bala, Robideau, Lodhi & Lévesque	MF375471.1 99.68%	.	MN535819 100%
KD-11	25	1.A	<i>Phytophthium chamaehyphon</i>	.	.	.	.
KD-12	30	1.A	<i>Phytophthium chamaehyphon</i>	.	.	.	.
KD-14	33	1.A	<i>Phytophthium chamaehyphon</i>	.	.	.	.
KD-16	39	1.A	<i>Phytophthium chamaehyphon</i>	.	.	.	.
KD-17	91	1.A	<i>Phytophthium chamaehyphon</i>	.	.	.	.
KD-18	128	1.A	<i>Phytophthium chamaehyphon</i>	.	.	.	.
KD-29	23	1.A	<i>Phytophthium chamaehyphon</i>	.	.	.	.
KD-37	34	1.A	<i>Phytophthium chamaehyphon</i>	.	.	.	.
KD-20	28	1.B	<i>Phytophthium</i> sp.	Abad, de Cock, Bala, Robideau, A.M. Lodhi & Lévesque	MK326408.1 < 97%	*	.
KD-21	34	1.B	<i>Phytophthium</i> sp.	Abad, de Cock, Bala, Robideau, A.M. Lodhi & Lévesque	MK326408.1 < 97%	.	.
KD-22	36	1.B	<i>Phytophthium</i> sp.	Abad, de Cock, Bala, Robideau, A.M. Lodhi & Lévesque	MK326408.1 < 97%	.	.
KD-28	23	1.B	<i>Phytophthium</i> sp.	Abad, de Cock, Bala, Robideau, A.M. Lodhi & Lévesque	MK326408.1 < 97%	.	.
KD-34	34	1.B	<i>Phytophthium</i> sp.	Abad, de Cock, Bala, Robideau, A.M. Lodhi & Lévesque	MK326408.1 < 97%	.	.
KD-19	23	1.B	<i>Phytophthium</i> sp.	.	.	.	.

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KD-23	38	1.B	<i>Phytopythium</i> sp.	.	.	.	.
KD-25	21	1.C	<i>Phytopythium vexans</i>	(de Bary) Abad, de Cock, Bala, Robideau, Lodhi & Lévesque	KT337684.1 100%	MN535820	.
KD-6	36	1.C	<i>Phytopythium vexans</i>	(de Bary) Abad, de Cock, Bala, Robideau, Lodhi & Lévesque	KT337684.1 100%	.	MN535820 100%
KD-4	31	1.C	<i>Phytopythium vexans</i>	(de Bary) Abad, de Cock, Bala, Robideau, Lodhi & Lévesque	KT337684.1 100%	.	MN535820 100%
KD-33	38	1.C	<i>Phytopythium vexans</i>	(de Bary) Abad, de Cock, Bala, Robideau, Lodhi & Lévesque	KT337684.1 100%	.	MN535820 100%
KD-10	24	1.C	<i>Phytopythium vexans</i>	(de Bary) Abad, de Cock, Bala, Robideau, Lodhi & Lévesque	MK567962.1 100%	MN535818	.
KD-3	26	1.C	<i>Phytopythium vexans</i>	.	.	.	.
KD-5	32	1.C	<i>Phytopythium vexans</i>	.	.	.	.
KD-7	38	1.C	<i>Phytopythium vexans</i>	.	.	.	.
KD-8	39	1.C	<i>Phytopythium vexans</i>	.	.	.	.
KD-9	128	1.C	<i>Phytopythium vexans</i>	.	.	.	.
KD-26	26	1.C	<i>Phytopythium vexans</i>	.	.	.	.
KD-30	24	1.C	<i>Phytopythium vexans</i>	.	.	.	.
KD-31	30	1.C	<i>Phytopythium vexans</i>	.	.	.	.
KD-32	31	1.C	<i>Phytopythium vexans</i>	.	.	.	.
KD-24	128	1.D	<i>Pythium</i> sp.	Pringsh.	KU665819.1 < 97%	*	.
KD-38	31	2	<i>Mortierella epicladia</i>	W. Gams & Emden	NR_111571.1 100%	MN535852	.
KD-39	31	3	<i>Mortierella alpina</i>	Peyronel	JX976038.1 100%	MN535853	.
KD-40	33	4	<i>Pythium sylvaticum</i>	W.A. Campb. & F.F. Hendrix	KU665814.1 100%	MN535854	.
KD-41	33	4	<i>Pythium sylvaticum</i>	W.A. Campb. & F.F. Hendrix	KU665814.1 100%	.	MN535854 100%
KD-55	28	5.S	<i>Rhizoctonia bicornis</i>	(J. Erikss. & Ryvarden) Oberw., R. Bauer, Garnica & R. Kirschner	MG515375.1 100%	MN535836	.
KD-62	36	5.S	<i>Rhizoctonia bicornis</i>	(J. Erikss. & Ryvarden) Oberw., R. Bauer, Garnica & R. Kirschner	MG515375.1 100%	.	MN535836 100%
KD-57	37	5.T	<i>Ceratobasidium</i> sp.	D.P. Rogers	HQ680957.1 < 97%	*	.
KD-56	37	5.T	<i>Ceratobasidium</i> sp.	.	.	.	.
KD-59	39	5.U	<i>Rhizoctonia solani</i>	J.G. Kühn	HF912173.2 100%	MN535837	.
KD-60	128	5.U	<i>Rhizoctonia solani</i>	J.G. Kühn	HF912173.2 100%	.	MN535837 100%
KD-58	38	5.U	<i>Rhizoctonia solani</i>	.	.	.	.
KD-61	25	5.U	<i>Rhizoctonia solani</i>	.	.	.	.
KD-52	29	5.V	<i>Ceratobasidium</i> sp.	D.P. Rogers	DQ278941.1 98.66%	MN535835	.
KD-50	27	5.V	<i>Ceratobasidium</i> sp.	D.P. Rogers	DQ278941.1 98.66%	.	MN535835 100%
KD-49	26	5.V	<i>Ceratobasidium</i> sp.	.	.	.	.
KD-51	29	5.V	<i>Ceratobasidium</i> sp.	.	.	.	.
KD-53	32	5.V	<i>Ceratobasidium</i> sp.	.	.	.	.

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KD-54	33	5.V	<i>Ceratobasidium</i> sp.	.	.	.	.
KD-74	31	6.E	<i>Trichoderma asperellum</i>	Samuels, Lieckf. & Nirenberg	KC479809.1 100%	MN535839	.
KD-82	30	6.E	<i>Trichoderma asperellum</i>	Samuels, Lieckf. & Nirenberg	KC479809.1 100%	.	MN535839 100%
KD-73	29	6.E	<i>Trichoderma asperellum</i>	.	.	.	.
KD-75	33	6.E	<i>Trichoderma asperellum</i>	.	.	.	.
KD-76	38	6.E	<i>Trichoderma asperellum</i>	.	.	.	.
KD-83	24	11.E	<i>Trichoderma hispanicum</i>	(Jaklitsch & Voglmayr) Jaklitsch & Voglmayr	NR_138451.1 99.63%	MN535843	.
KD-78	34	12.F	<i>Hypocrea lixii</i>	Pat.	KY031340.1 99.82%	MN535840	.
KD-81	128	12.F	<i>Hypocrea lixii</i>	Pat.	AY605747.1 99.82%	MN535842	.
KD-77	36	12.F	<i>Hypocrea lixii</i>	Pat.	AY605747.1 99.82%	.	MN535842 100%
KD-80	33	13.F	<i>Trichoderma virens</i>	(J.H. Mill., Giddens & A.A. Foster) Arx	MH864402.1 99.82%	MN535841	.
KD-79	38	13.F	<i>Trichoderma virens</i>	(J.H. Mill., Giddens & A.A. Foster) Arx	MH864402.1 99.82%	.	MN535841 100%
KD-94	24	7.J	<i>Fusarium solani</i>	(Mart.) Sacc.	JX435204.1 100%	MN535845	.
KD-112	31	7.J	<i>Fusarium solani</i>	(Mart.) Sacc.	JX435204.1 100%	.	MN535845 100%
KD-89	32	7.J	<i>Fusarium solani</i>	(Mart.) Sacc.	KJ562369.1 99.8%	MN535855	.
KD-87	128	7.J	<i>Fusarium solani</i>	(Mart.) Sacc.	KU939051.1 100%	MN535844	.
KD-99	30	7.J	<i>Fusarium solani</i>	(Mart.) Sacc.	KU939051.1 100%	.	MN535844 100%
KD-105	37	7.J	<i>Fusarium solani</i>	(Mart.) Sacc.	KU939051.1 100%	.	MN535844 100%
KD-104	39	7.J	<i>Fusarium solani</i>	(Mart.) Sacc.	KY381843.1 100%	MN535847	MN535847 100%
KD-106	23	7.J	<i>Fusarium solani</i>	(Mart.) Sacc.	MF993094.1 100%	MN535838	MN535838 100%
KD-86	24	7.J	<i>Fusarium solani</i>	.	.	.	.
KD-88	91	7.J	<i>Fusarium solani</i>	.	.	.	.
KD-90	32	7.J	<i>Fusarium solani</i>	.	.	.	.
KD-91	33	7.J	<i>Fusarium solani</i>	.	.	.	.
KD-92	33	7.J	<i>Fusarium solani</i>	.	.	.	.
KD-93	30	7.J	<i>Fusarium solani</i>	.	.	.	.
KD-95	21	7.J	<i>Fusarium solani</i>	.	.	.	.
KD-96	24	7.J	<i>Fusarium solani</i>	.	.	.	.
KD-97	21	7.J	<i>Fusarium solani</i>	.	.	.	.
KD-98	33	7.J	<i>Fusarium solani</i>	.	.	.	.
KD-100	23	7.J	<i>Fusarium solani</i>	.	.	.	.
KD-110	91	7.K	<i>Fusarium solani</i>	(Mart.) Sacc.	AY904064.1 100%	MN535848	.
KD-111	34	7.K	<i>Fusarium solani</i>	(Mart.) Sacc.	AY904064.1 100%	.	MN535848 100%
KD-102	29	7.L	<i>Fusarium solani</i>	(Mart.) Sacc.	MH300495.1 100%	MN535846	.

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KD-101	29	7.L	<i>Fusarium solani</i>	.	.	.	.
KD-103	29	7.L	<i>Fusarium solani</i>	.	.	.	.
KD-71	36	7.M	<i>Fusarium solani</i>	(Mart.) Sacc.	MH855035.1 99.8%	MN535822	.
KD-107	23	7.M	<i>Fusarium solani</i>	(Mart.) Sacc.	MH855035.1 99.8%		MN535822 100%
KD-113	7	7	<i>Fusarium solani</i>	(Mart.) Sacc.	MH855035.1 99.8%	.	MN535822 100%
KD-72	7	7	<i>Fusarium solani</i>	(Mart.) Sacc.	KU939051.1 100%	MN535833	.
KD-42	27	8	<i>Fusarium oxysporum</i>	Schltldl	MK432913.1 100%	MN535849	.
KD-43	27	8	<i>Fusarium oxysporum</i>	Schltldl	MK432913.1 100%	.	MN535849 100%
KD-108	38	9.N	<i>Ilyonectria liriodendri</i>	(Halleen, Rego & Crous) Chaverri & C. Salgado	MK602788.1 98.65%	MN535856	.
KD-118	31	9.Q	<i>Chaetomium globosum</i>	J.N. Rai & J.P. Tewari	MH860809.1 98.26%	MN535851	.
KD-63	38	9.Q	<i>Chaetomium globosum</i>	J.N. Rai & J.P. Tewari	MH860809.1 98.26%	.	MN535851 100%
KD-115	24	9.Q	<i>Chaetomium globosum</i>	J.N. Rai & J.P. Tewari	MH860809.1 98.26%	.	MN535851 100%
KD-64	128	9.Q	<i>Chaetomium globosum</i>	.	.	.	.
KD-116	37	9.Q	<i>Chaetomium globosum</i>	.	.	.	.
KD-117	38	9.Q	<i>Chaetomium globosum</i>	.	.	.	.
KD-119	24	9.R	<i>Chaetomium globosum</i>	J.N. Rai & J.P. Tewari	MH860809.1 99.6%	MN535850	.
KD-67	37	10.G	<i>Dactylonectria torresensis</i>	(A. Cabral, Rego & Crous) L. Lombard & Crous	MH865183.1 99.79%	MN535821	.
KD-65	36	10.G	<i>Dactylonectria torresensis</i>	.	.	.	.
KD-66	128	10.G	<i>Dactylonectria torresensis</i>	.	.	.	.
KD-68	23	10.G	<i>Dactylonectria torresensis</i>	.	.	.	.
KD-69	29	10.G	<i>Dactylonectria torresensis</i>	.	.	.	.
KD-70	36	10.G	<i>Dactylonectria torresensis</i>	.	.	.	.
KD-121	32	10.H	<i>Dactylonectria vitis</i>	(A. Cabral, Rego & Crous) L. Lombard & Crous	MH865179.1 99.57%	MN535823	.
KD-44	28	14	<i>Mucor hiemalis</i>	Wehmer	MH859159.1 100%	MN535825	.
KD-45	31	15	<i>Penicillium cataractarum</i>	Visagie, Malloch & Seifert	NR_158822.1 99.61%	MN535826	.
KD-122	26	16	<i>Penicillium simplicissimum</i>	(Oudem.) Thom	MH856014.1 99.43%	MN535827	.
KD-123	26	16	<i>Penicillium simplicissimum</i>	(Oudem.) Thom	MH856014.1 99.43%	.	MN535827 100%
KD-46	28	17	<i>Gliocladium cibotii</i>	J.F.H. Beyma	DQ825981.1 99.77%	MN535828	.
KD-47	32	18	<i>Lasiosphaeriaceae</i> sp. (Uncl)	Nannf.	MH861043.1 92.41%	MN535829	.
KD-48	32	19	<i>Chaetomiaceae</i> sp. (Uncl)	G. Winter	MH861958.1 91.65%	MN535830	.
KD-126	29	20	<i>Thelonectria veuillotiana</i>	(Sacc. & Roum.) P. Chaverri & C. Salgado	MK594388.1 99.79%	MN535832	.
KD-109	38	21.O	<i>Ilyonectria liriodendri</i>	(Halleen, Rego & Crous) Chaverri & C. Salgado	MH861308.1 100%	MN535834	.
KD-128	128	21.O	<i>Ilyonectria liriodendri</i>	.	.	.	.
KD-114	128	21	<i>Ilyonectria liriodendri</i>	(Halleen, Rego & Crous) Chaverri & C. Salgado	MH861308.1 100%	.	MN535834 100%

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KD-120	24	21.P	<i>Ilyonectria robusta</i>	(A.A. Hildebr.) A. Cabral & Crous	MH865181.1 100%	MN535824	.
KD-127	25	21.P	<i>Ilyonectria robusta</i>	.	.	.	.
KD-85	25	21	<i>Ilyonectria robusta</i>	(A.A. Hildebr.) A. Cabral & Crous	MH865181.1 100%	.	MN535824 100%
KD-36	25	22	<i>Cylindrocladiella</i> sp	Boesew.	MF444907.1 100%	MN535831	.
KD-125	26	22	<i>Cylindrocladiella</i> sp	Boesew.	MF444907.1 100%	.	MN535831 100%
KD-124	30	22	<i>Cylindrocladiella</i> sp	Boesew.	MF444907.1 100%	.	MN535831 100%
KD-84	25	22	<i>Cylindrocladiella</i> sp	Boesew.	MF444907.1 100%	.	MN535831 100%