



Table S1. Collection details and GenBank accession numbers in this study.

Species	Culture numbers ^a	Host	Country	GenBank accessions ^b							References
				ITS	LSU	CmdA	<i>rpb2</i>	<i>gapdh</i>	<i>tef1-α</i>	<i>his3</i>	
<i>Ramularia ab-scondita</i>	CBS 114727	<i>Arctium</i>	Sweden	KX287307	KX287006	KX289026	KX288465	KX288143	KX287864	KX288753	[16]
<i>R. acroptili</i>	CBS 120252	<i>Acroptilon</i>	Turkey	GU214689	GU214689	KX289027	KX288472	KX288150	KX287871	KX288760	[16]
<i>R. agastaches</i>	CPC 10820	<i>Agastache</i>	South Korea	KX287317	KX287016	KX289029	KX288476	KX288154	KX287875	KX288764	[16]
	CPC 10821	<i>Agastacherugosa</i>	South Korea	KX287318	KX287017	KX289030	KX288477	KX288155	KX287876	KX288765	[16]
<i>R. archangelicae</i>	CBS 108992	<i>Angelica syl-vestris</i>	Austria	KX287329	KX287028	KX289035	KX288488	KX288166	KX287887	KX288776	[16]
	CBS 109011	<i>Angelica syl-vestris</i>	Austria	KX287330	KX287029	KX289036	KX288489	KX288167	KX287888	KX288777	[16]
<i>R. asteris</i>	CBS 131.21	<i>Aster tripolium</i>	Netherlands	KX287334	KX287034	KX289039	KX288494	KX288172	KX287893	KX288782	[16]
<i>R. beticola</i>	CPC 30065	<i>Beta vulgaris</i>	Denmark	KX287337	KX287037	KX289040	KX288496	KX288175	KX287896	KX288785	[16]
	CPC 30066	<i>Beta vulgaris</i>	France	KX287338	KX287038	KX289041	KX288497	KX288176	KX287897	KX288786	[16]
<i>R. buniadis</i>	CBS 114301	<i>Bunias orientalis</i>	Sweden	KX287347	KX287047	KX289048	KX288506	KX288185	KX287906	KX288795	[16]
<i>R. calcea</i>	CBS 101612	<i>Symphytum</i> sp.	Germany	KP894219	KP894111	KP894879	KP894657	KP894546	KP894436	KP894768	[51]
	CBS 114442	<i>Viola hirta</i>	Sweden	KP894229	KP894122	KP894884	KP894668	KP894557	KP894447	KP894779	[49]
<i>R. carneola</i>	CBS 108975	<i>Scrophularia no-dosa</i>	Netherlands	KX287348	KX287048	KX289049	KX288507	KX288186	KX287907	KX288796	[16]
	CBS 108976	<i>Scrophularia no-dosa</i>	Netherlands	KX287349	KX287049	KX289050	KX288508	KX288187	KX287908	KX288797	[16]
<i>R. chamaedryos</i>	CBS 116577	<i>Veronica chamaedrys</i>	Sweden	KX287353	KX287053	KX289054	KX288512	KX288192	KX287912	KX288802	[16]
	CBS 118794	<i>Veronica persica</i>	New Zealand	KX287356	KX287056	KX289055	KX288515	KX288195	KX287915	KX288805	[16]
<i>R. chelidonii</i>	CPC 12208	<i>Hylomecon ver-nalis</i>	South Korea	KX287358	KX287058	KX289056	KX288517	KX288197	KX287917	KX288807	[16]
<i>R. collo-cygni</i>	CBS 101181	<i>Hordeum vul-gare</i>	Germany	KJ504786	KJ504745	KJ504513	KJ504657	KJ504569	KJ504701	KJ504613	[42]
	CBS 101182	<i>Hordeum vul-gare</i>	Germany	KX287386	KX287086	KX289058	KX288544	KX288224	KX287945	KX288834	[16]
<i>R. coryli</i>	CBS 117800	<i>Corylus avellana</i>	Netherlands	KX287391	KX287091	KX289061	KX288549	KX288229	KX287950	KX288839	[16]
<i>R. deusta</i>	CBS 473.50	<i>Lathyrus latifo-lius</i>	Guadeloupe	KX287399	KX287101	KX289062	KX288559	KX288239	KX287960	KX288849	[16]
<i>R. digitalis-am-biguae</i>	CBS 434.67	<i>Digitalis pur-purea</i>	Luxembourg	KX287407	KX287109	KX289063	KX288566	KX288247	KX287968	KX288856	[16]
<i>R. endophylla</i>	CBS 113871	<i>Quercus robur</i>	Netherlands	KP894237	KP894130	KP894891	KP894677	KP894566	KP894455	KP894787	[49]
	CBS 113265	<i>Quercus robur</i>	Netherlands	AY490763	AY490776	KF253981	KP894673	KP894562	KF253276	KP207603	[50]
	CBS 101680	<i>Castanea sativa</i>	Netherlands	KP894233	KP894126	KP894887	KP894672	KP894561	KP894451	KP894783	[49]
<i>R. eucalypti</i>	CBS 120728;	<i>Eucalyptus</i> sp.	Australia	KJ504793	KJ504751	KJ504520	KJ504664	KJ504576	KJ504708	KJ504620	[42]
<i>R. gei</i>	CBS 344.49	<i>Geum urbanum</i>	Netherlands	KX287411	KX287113	KX289064	KX288570	KX288251	KX287972	KX288860	[16]
	CBS 113977	<i>Geum</i> sp.	Sweden	KX287412	KX287114	KX289065	KX288571	KX288252	KX287973	KX288861	[16]
<i>R. geranii</i>	CBS 159.24	<i>Geranium pyre-naicum</i>	France	KX287413	KX287115	KX289066	KX288572	KX288253	KX287974	KX288862	[16]
		<i>Geranium syl-vaticum</i>	France	KX287414	KX287116	KX289067	KX288573	KX288254	KX287975	KX288863	[16]
<i>R. glennii</i>	CBS 129441T	<i>Human bronchia</i>	Netherlands	KJ504769	KJ504728	KJ504500	KJ504640	KJ504552	KJ504684	KJ504596	[42]
	CBS 122989	<i>Human skin</i>	Netherlands	KJ504768	KJ504727	KJ504499	KJ504639	KJ504551	KJ504683	KJ504595	[42]
<i>R. grevilleana</i>	CBS 719.84	<i>Fragaria × ana-nassa Tioga</i>	New Zealand	EU167605	KP894116	KP894881	KP894662	KP894551	KP894441	KP894773	[51]
	CBS 298.34	-	Netherlands	KP894223	KP894115	KP894880	KP894661	KP894550	KP894440	KP894772	[49]
<i>R. heraclei</i>	CPC 11505	<i>Heracleum moel-lendorffii</i>	South Korea	KX287423	KX287125	KX289071	KX288582	KX288263	KX287984	KX288870	[16]
	CPC 11506	<i>Heracleum moel-lendorffii</i>	South Korea	KX287424	KX287126	KX289072	KX288583	KX288264	KX287985	KX288871	[16]
	CPC 11507	<i>Heracleum moel-lendorffii</i>	South Korea	KX287425	KX287127	KX289073	KX288584	KX288265	KX287986	KX288872	[16]
<i>R. hydrangeae-macrophyllae</i>	CBS 122273	<i>Hydrangea mac-rophylla</i>	New Zealand	KX287433	KX287135	KX289077	KX288592	KX288273	KX287994	KX288880	[16]
	CBS 118410	<i>Ligularia clivorum</i>	New Zealand	KX287435	KX287137	KX289078	KX288594	KX288275	KX287996	KX288882	[16]
	CBS 122625	<i>Iris</i>	New Zealand	KX287437	KX287139	KX289079	KX288596	KX288277	KX287998	KX288884	[16]
<i>R. inaequalis</i>	CPC 15815	<i>Taraxacum</i> sp.	Mexico	KX287457	KX287159	KX289092	KX288616	KX288297	KX288018	KX288904	[16]
	CBS 250.96	<i>Taraxacum officinale</i>	Canada	KP894224	KP894117	KP894882	KP894663	KP894552	KP894442	KP894774	[49]
	CPC 15753	<i>Taraxacum officinale</i>	Canada	KP894226	KP894119	KP894883	KP894665	KP894554	KP894444	KP894776	[49]

<i>R. leonuri</i>	CPC 11312	<i>Leonurus sibiricus</i>	South Korea	KF251331	KF251835	KF253983	KX348080	KX288303	KF253178	KX288910	[52]
	CPC 11314	<i>Leonurus sibiricus</i>	South Korea	KX287465	KX287167	KX289095	KX288623	KX288305	KX288025	KX288912	[16]
	CPC 11411	<i>Leonurus sibiricus</i>	South Korea	KX287466	KX287168	KX289096	KX288624	KX288306	KX288026	KX288913	[16]
<i>R. lethalis</i>	CBS 141113;	<i>Acer pseudoplatanus</i>	Netherlands	KX287472	KX287174	KX289097	KX288630	KX288312	KX288032	KX288919	[16]
<i>R. ligustrina</i>	CBS 379.52	<i>Ligustrum vulgare</i>	Italy	KX287473	KX287175	KX289098	KX288631	KX288313	KX288033	KX288920	[16]
<i>R. mali</i>	CBS 129581T	Apple in cold storage	Italy	KJ504778	KJ504737	KJ504506	KJ504649	KJ504561	KJ504693	KJ504605	[42]
<i>R. malicola</i>	CBS 119227	<i>Malus</i> sp.	USA	AY598873	AY598910	KX289099	KX288635	KX288316	KX288036	KX288924	[53]
<i>R. miae</i>	CBS 120121	<i>Wachendorfia thyrsifolia</i>	South Africa	KJ504801	DQ885902	KJ504525	KJ504672	KJ504584	KJ504716	KJ504628	[42]
	CPC 19770	<i>Leonotis leonurus</i>	South Africa	KJ504805	KJ504762	KJ504528	KJ504676	KJ504588	KJ504720	KJ504632	[42]
	CPC 19835	<i>Gazania rigens</i> var. <i>uniflora</i>	South Africa	KJ504804	KJ504761	KJ504527	KJ504675	KJ504587	KJ504719	KJ504631	[42]
<i>R. neodeusta</i>	CPC 13568	<i>Lathyrus odoratus</i>	New Zealand	KX287478	KX287180	KX289100	KX288637	KX288318	KX288038	KX288926	[16]
	CBS 141115	<i>Vicia faba</i>	New Zealand	KX287479	KX287181	KX289101	KX288638	KX288319	KX288039	KX288927	[16]
<i>R. helminthiae</i>	CPC 11502	<i>Picris hieracioides</i> var. <i>glabrensis</i>	South Korea	KX287480	KX287182	KX289102	KX288639	KX288320	KX288040	KX288928	[16]
	CPC 11504	<i>Picris hieracioides</i> var. <i>glabrensis</i>	South Korea	KX287481	KX287183	KX289103	KX288640	KX288321	KX288041	KX288929	[16]
<i>R. nyssicola</i>	CBS 127665	<i>Nyssa ogeche</i>	USA	KJ504765	KJ504724	KJ504496	KJ504636	KJ504548	KJ504680	KJ504592	[42]
	CBS 127664	<i>Nyssa ogeche</i>	USA	KP894231	KP894124	KP894885	KP894670	KP894559	KP894449	KP894781	[49]
<i>R. osterici</i>	CBS 141116	<i>Ostericum koreanum</i>	South Korea	KX287483	KX287185	KX289105	KX288642	KX288323	KX288043	KX288931	[16]
	CPC 10751	<i>Ostericum koreanum</i>	South Korea	KX287484	KX287186	KX289106	KX288643	KX288324	KX288044	KX288932	[16]
	CPC 10752	<i>Ostericum koreanum</i>	South Korea	KX287485	KX287187	KX289107	KX288644	KX288325	KX288045	KX288933	[16]
<i>R. parietariae</i>	CBS 123730;	<i>Parietaria officinalis</i>	Czech Republic	KX287486	KX287188	KX289108	KX288645	KX288326	KX288046	KX288934	[16]
	CBS 123731	<i>Parietaria officinalis</i>	Czech Republic	KX287487	KX287189	KX289109	KX288646	KX288327	KX288047	KX288935	[16]
<i>R. phacae-frigidiae</i>	CBS 234.55	<i>Phaca frigida</i>	Switzerland	KP894232	KP894125	KP894886	KP894671	KP894560	KP894450	KP894782	[49]
<i>R. plurivora</i>	CBS 118743T	Human bone marrow	Netherlands	KJ504780	KJ504739	KJ504508	KJ504651	KJ504563	KJ504695	KJ504607	[42]
	CPC 16123	Melon in storage	Netherlands	KJ504782	KJ504741	KJ504510	KJ504653	KJ504565	KJ504697	KJ504609	[42]
<i>R. pratensis</i> var. <i>pratensis</i>	CBS 122105	<i>Rumex</i> sp.	Taiwan	KX287488	KX287190	KX289110	KX288647	KX288328	KX288048	KX288936	[16]
<i>R. rubella</i>	CPC 15748	<i>Rumex obtusifolius</i>	New Zealand	KX287496	KX287198	KX289111	KX288656	KX288336	KX288056	KX288945	[16]
	CBS 114440	<i>Rumex longifolius</i>	Sweden	KX287497	KX287199	KX289112	KX288657	KX288337	KX288057	KX288946	[16]
<i>R. rumicicola</i>	CBS 141118	<i>Rumex crispus</i>	South Korea	KX287503	KX287205	KX289115	KX288663	KX288344	KX288064	KX288953	[16]
<i>R. rumicis</i>	CBS 114300	<i>Rumex aquaticus</i>	Sweden	KJ504787	KJ504746	KJ504514	KJ504658	KJ504570	KJ504702	KJ504614	[42]
<i>R. vizellae</i>	CBS 115981	<i>Malus</i> dead leaf litter	Netherlands	KP894283	KP894176	KP894928	KP894722	KP894611	KP894501	KP894833	[49]
	CBS 115982	<i>Malus</i> dead leaf litter	Netherlands	KP894284	KP894177	KP894929	KP894723	KP894612	KP894502	KP894834	[49]
	CBS 117871	<i>Quercus rubra</i>	Netherlands	KP894295	KP894188	KP894939	KP894734	KP894623	KP894513	KP894845	[49]
<i>R. stellariicola</i>	CBS 130592	<i>Stellaria aquatica</i>	South Korea	GU214693	KX287216	KX289117	KX288673	KX288355	KX288076	KX288965	[44]
<i>R. tovarae</i>	CBS 113305	<i>Polygonum filiforme</i>	South Korea	KJ504807	KJ504764	KJ504529	KJ504678	KJ504590	KJ504722	KJ504634	[42]
<i>R. tricherae</i>	CBS 108973	<i>Knautia arvensis</i>	Netherlands	KP894249	KP894142	KP894902	KP894688	KP894577	KP894467	KP894799	[49]
<i>R. vizellae</i>	CBS 117871	<i>Quercus rubra</i>	Netherlands	KP894295	KP894188	KP894939	KP894734	KP894623	KP894513	KP894845	[49]
<i>R. unterseheri</i>	CBS 124846	<i>Fagus sylvatica</i>	Germany	KP894267	KP894160	KP894920	KP894706	KP894595	KP894485	KP894817	[49]
<i>R. sphaeroidea</i>	YN1931401	<i>Vicia villosa</i>	China	MW092181	OM945870	OM981227	OM981230	MW448178	MW448172	MW448175	This study
<i>R. sphaeroidea</i>	YN1931402	<i>Vicia villosa</i>	China	MW332205	OM945871	OM981228	OM981231	MW448179	MW448173	MW448177	This study
<i>R. sphaeroidea</i>	YN1931403	<i>Vicia villosa</i>	China	MW332206	OM945872	OM981229	OM981232	MW448180	MW448174	MW448177	This study
<i>R. sphaeroidea</i>	CBS 112891	<i>Vicia villosa</i>	USA	AY352584	KX287215	KX289117	KX288673	KX288354	KX288074	KX288963	[14]
<i>R. vallisumbrosae</i>	CBS 271.38	<i>Narcissus Victoria</i>	UK	KX287239	KX287224	KX289121	KX288698	KX288378	KX288098	KX288988	[16]

<i>R. urticae</i>	CBS 105.26	<i>Urtica dioica</i>	Sweden	KP894276	KP894168	KP894926	KP894714	KP894604	KP894494	KP894826	[49]
<i>Mycosphaerelloides madeirae</i>	CBS 116066	<i>Quercus robur</i>	Netherlands	AY853188	KX286989	KX289024	KX288444	KX288139	KX287855	KX288747	[49]

a Culture numbers in bold represent ex-type specimens. MHLZU, Mycological Herbarium of Lanzhou University. b ITS = internal transcribed spacer 1 and 4 together with 5.8S nrRNA; LSU = partial 28S nrRNA gene; CmdA = calmodulin gene; rpb2 = RNA polymerase II second largest subunit; gapdh = glyceraldehyde-3-phosphate dehydrogenase gene; tef1- α = translation elongation factor 1- α gene; and his3 = histone H3 gene.

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