

Supplementary material S2 Specimen information and GenBank accession number for strains used in this study

Species	Voucher information	GenBank accession number				
		<i>nrLSU</i>	<i>nrSSU</i>	<i>RPB₁</i>	<i>RPB₂</i>	<i>ITS</i>
<i>Lecanicillium uredinophilum</i>	QHLA	MZ768916	MZ768917	ON107271	ON107270	MZ768909
<i>Lecanicillium acerosum</i>	CBS418.81	KM283786	KM283762	KM283832	KM283852	EF641893
<i>Lecanicillium antillanum</i>	CBS350.85	AF339536	AF339585	DQ522396	DQ522450	AJ292392
<i>Lecanicillium aphanocladii</i>	CBS797.84	KM283787	KM283763	KM283833	KM283853	-
<i>Lecanicillium aphanocladii</i>	GZUIFR-lun1505	MN944423	MN963920	MT006062	MT006067	MN944448
<i>Lecanicillium araneorum</i>	CBS726.73a	AF339537	AF339586	EF468887	EF468934	AJ292464
<i>Lecanicillium araneogenum</i>	GZU1032Lea	KX845704	KX845706	KX845670	KX845702	-
<i>Lecanicillium attenuatum</i>	CBS402.78	AF339565	AF339614	EF468888	EF468935	AJ292434
<i>Lecanicillium attenuatum</i>	GZUIFR-lun1405	MN944422	MN963919	MTT006061	MT006066	MN944447
<i>Lecanicillium attenuatum</i>	KACC42493	KM283780	KM283756	KM283826	KM283846	-
<i>Lecanicillium cauligalbarum</i>	GZUIFR-ZHJ02	MH730664	MH730666	MH801921	MH801923	MH801925
<i>Lecanicillium dimorphum</i>	CBS345.37	KM283788	KM283764	KM283834	KM283854	-
<i>Lecanicillium dimorphum</i>	CBS363.86	AF339559	AF339608	EF468890	-	-
<i>Lecanicillium flavidum</i>	CBS300.70D	KM283789	KM283765	-	KM283855	EF641877
<i>Lecanicillium fungicola</i> var. <i>aleophilum</i>	CBS357.80	KM283791	KM283767	KM283335	KM283856	NR111064
<i>Lecanicillium fungicola</i> var. <i>fungicola</i>	CBS992.69	KM283792	KM283768	-	KM283857	NR119653
<i>Lecanicillium fusisporum</i>	CBS164.70	KM283793	KM283769	KM283836	KM283858	AJ292428
<i>Lecanicillium lecanii</i>	CBS101247	KM283794	KM283770	KM283337	KM283859	JN049836
<i>Lecanicillium lecanii</i>	CBS101267	KM283795	KM283771	KM283838	KM283860	-
<i>Lecanicillium longisporum</i>	CBS102072	KM283796	KM283772	KM283839	KM283861	-
<i>Lecanicillium longisporum</i>	CBS126.27	KM283797	KM283773	KM283840	KM283862	-
<i>Lecanicillium muscarium</i>	CBS143.62	KM283798	KM283774	KM283841	KM283863	-
<i>Lecanicillium pissodis</i>	CBS118231	KM283799	KM283775	KM283842	KM283864	-
<i>Lecanicillium psalliotae</i>	CBS532.81	AF339560	AF339609	EF469096	EF469112	JN049846
<i>Lecanicillium sabanense</i>	JCHA5	KC875225	KC633251		KC633249	KC633232
<i>Lecanicillium</i> sp.	GZUIFR-lun1403	MN944420	MN963917	MT006059	MT006064	MN944446
<i>Lecanicillium subprimulinum</i>	HKAS99548	MG585315	MG585316	-	-	MG585314
<i>Lecanicillium subprimulinum</i>	HKAS99548	MG585319	MG585320	-	-	MG585318
<i>Lecanicillium tenuioes</i>	CBS309.85	KM283802	KM283778	KM283844	KM283866	JN036556
<i>Lecanicillium uredinophilum</i>	KACC47756	KM283783	KM283759	KM283829	KM283849	-
<i>Lecanicillium wallacei</i>	CBS101237	AY184967	AY184978	EF469102	EF469119	-
<i>Alternaria abundans</i>	CBS534.83	MH873354	MH861640	-	KC584448	MH861639

—: no nitrogen.