

Supplemental Table S1: Marker gene table for *Aaosphaeria pasadenensis* FJI-L9-BK-P1; N/A- not available

Genus	Species	Strain	LSU	ITS	TEF 1	RPB 2
<i>Arthopyrenia</i>	<i>sp.</i>	UTHSC DI16-362	LN907505	LT796905	LT797145	LT797065
<i>Arthopyrenia</i>	<i>sp.</i>	UTHSC DI16-334	LN907477	LT796887	LT797127	LT797047
<i>Neoroussoella</i>	<i>alishanense</i>	FU31016	MK503822	MK503816	MK336181	MN037756
<i>Neoroussoella</i>	<i>bambusae</i>	MFLUCC 11-0124	KJ474839	KJ474827	KJ474848	KJ474856
<i>Neoroussoella</i>	<i>sp.</i>	MFLUCC 15-0098A	MH260309	MH275075	N/A	N/A
<i>Neoroussoella</i>	<i>heveae</i>	MFLUCC 17-1983	MH590689	MH590693	N/A	N/A
<i>Neoroussoella</i>	<i>lenispora</i>	GZCC 16-0020	KX791431	N/A	N/A	N/A
<i>Neoroussoella</i>	<i>leucaenae</i>	C356	MK347984	MK347767	MK360067	MK434876
<i>Neoroussoella</i>	<i>solani</i>	CPC 26331	KX228312	KX228261	N/A	N/A
<i>Roussoella</i>	<i>mukdahanensis</i>	HKAS 101766	MH453485	MH453489	MH453478	MH453482
<i>Pararoussoella</i>	<i>rosarum</i>	MFLUCC 17-0796	MG829048	MG828939	MG829224	N/A
<i>Parathyridaria</i>	<i>ramulicola</i>	CBS 141479	KX650565	KX650565	KX650536	KX650584
<i>Parathyridaria</i>	<i>robiniae</i>	MFLUCC 14-1119	KY511141	KY511142	KY549682	N/A
<i>Roussoella</i>	<i>euonymi</i>	CBS 143426	MH107961	MH107915	N/A	MH108007
<i>Pseudoneoconiothyrium</i>	<i>rosae</i>	MFLU 18-0117	NG_059868	NR_157523	N/A	N/A
<i>Pseudoroussoella</i>	<i>chromolaenae</i>	MFLUCC 17-1492	MT214439	MT214345	MT235769	N/A
<i>Pseudoroussoella</i>	<i>elaicola</i>	MFLUCC 17-1483	MT214442	MT214348	MT235772	MT235808
<i>Pseudoroussoella</i>	<i>elaicola</i>	MFLUCC 15-0276b	MH742327	MH742330	N/A	N/A
<i>Pseudoroussoella</i>	<i>elaicola</i>	MFLUCC 15-0276a	MH742326	MH742329	N/A	N/A
<i>Roussoella</i>	<i>angusta</i>	MFLUCC 15-0186	KT281979	N/A	N/A	N/A
<i>Roussoella</i>	<i>arundinacea</i>	CPC 35554	MT223928	MT223838	N/A	N/A
<i>Roussoella</i>	<i>chiangraina</i>	MFLUCC 10-0556	KJ474840	KJ474828	KJ474849	KJ474857
<i>Roussoella</i>	<i>doimaesalongensis</i>	MFLUCC 14-0584	KY000659	KY026584	KY651249	KY678394
<i>Roussoella</i>	<i>guttulata</i>	MFLUCC 20-0102	MT734818	MT734821	MW022188	MW022187
<i>Roussoella</i>	<i>hysterioides</i>	CBS 546.94	KF443381	KF443405	KF443399	KF443392
<i>Roussoella</i>	<i>intermedia</i>	NBRC 106245	AB524624	KJ474831	N/A	N/A
<i>Roussoella</i>	<i>japanensis</i>	MAFF 239636	AB524621	KJ474829	AB539114	AB539101
<i>Roussoella</i>	<i>kunmingensis</i>	HKAS 101773	MH453487	MH453491	MH453480	MH453484
<i>Roussoella</i>	<i>magnatum</i>	MFLUCC 15-0185	KT281980	N/A	N/A	N/A
<i>Roussoella</i>	<i>margidorensis</i>	MUT 5329	MN556322	KU314944	MN605897	MN605917
<i>Roussoella</i>	<i>mediterranea</i>	MUT 5369	MN556324	KU314947	MN605899	MN605919
<i>Roussoella</i>	<i>neopustulans</i>	MFLUCC 11-0609	KJ474841	KJ474833	KJ474850	N/A
<i>Roussoella</i>	<i>neopustulans</i>	MFLUCC 12-0003	KU863119	KU940130	N/A	N/A

<i>Roussoella</i>	<i>nitidula</i>	MFLUCC 11–0182	KJ474843	KJ474835	KJ474852	KJ474859
<i>Roussoella</i>	<i>nitidula</i>	MFLUCC 11–0634	KJ474842	KJ474834	KJ474851	KJ474858
<i>Roussoella</i>	<i>padinae</i>	MUT 5365	MN556327	KU158170	MN605902	MN605922
<i>Roussoella</i>	<i>padinae</i>	MUT5341	MN556325	KU158153	MN605900	MN605920
<i>Roussoella</i>	<i>pseudohysterioides</i>	MFLUCC 13–0852	KU863120	KU940131	KU940198	N/A
<i>Roussoella</i>	<i>pseudohysterioides</i>	HKAS 101758	MH453486	MH453490	MH453479	MH453483
<i>Roussoella</i>	<i>pustulans</i>	MAFF 239637	AB524623	KJ474830	AB539116	AB539103
<i>Roussoella</i>	<i>scabrispora</i>	MFLUCC 11–0624	KJ474844	KJ474836	KJ474853	KJ474860
<i>Roussoella</i>	<i>scabrispora</i>	MFLUCC 14–0582	KY000660	KY026583	N/A	N/A
<i>Roussoella</i>	<i>scabrispora</i>	RSC	KX650566	KX650566	KX650537	N/A
<i>Roussoella</i>	<i>siamensis</i>	MFLUCC 11–0149	KJ474845	KJ474837	KJ474854	KJ474861
<i>Roussoella</i>	<i>thailandica</i>	MFLUCC 11–0621	KJ474846	KJ474838	N/A	N/A
<i>Roussoella</i>	<i>tuberculata</i>	MFLUCC 13–0854	KU863121	KU940132	KU940199	N/A
<i>Roussoella</i>	<i>verrucispora</i>	CBS 125434	AB524622	KJ474832	AB539115	AB539102
<i>Roussoella</i>	<i>sp.</i>	HKAS-101762-HKAS	MH453488	MH453492	MH453481	N/A
<i>Roussoellopsis</i>	<i>macrospora</i>	MFLUCC 12–0005	KJ474847	N/A	KJ474855	KJ474862
<i>Roussoellopsis</i>	<i>sp.</i>	KT 1710	AB524626	N/A	N/A	N/A
<i>Roussoellopsis</i>	<i>tosaensis</i>	KT 1659	AB524625	N/A	AB539117	AB539104
<i>Setoarthopyrenia</i>	<i>chromolaenae</i>	MFLUCC 17–1444	MT214438	MT214344	MT235768	MT235805
<i>Roussoella</i>	<i>acaciae</i>	CBS 138873	KP004497	KP004469	N/A	N/A
<i>Thyridaria</i>	<i>broussonetiae</i>	CBS 141481	KX650568	NR_147658	KX650539	KX650586
<i>Torula</i>	<i>herbarum</i>	CBS 111855	KF443386	KF443409	KF443403	KF443396
<i>Torula</i>	<i>hollandica</i>	CBS 220.69	KF443384	KF443406	KF443401	KF443393
<i>Xenorousoella</i>	<i>triseptata</i>	MFLUCC 17–1438	MT214437	MT214343	MT235767	MT235804
<i>Ohleria</i>	<i>modesta</i>	MGC	KX650562	KX650562	KX650533	KX650582
<i>Ohleria</i>	<i>modesta</i>	CBS 141480	KX650563	KX650563	KX650534	KX650583
<i>Dendryphion</i>	<i>europaeum</i>	CPC 22943	KJ869203	KJ869146	N/A	N/A
<i>Nigrograna</i>	<i>fuscidula</i>	CBS 141476	KX650547	KX650547	KX650522	KX650576
<i>Nigrograna</i>	<i>mackinnonii</i>	CBS 110022	GQ387614	KF015653	KF407985	KF015704
<i>Nigrograna</i>	<i>mycophila</i>	CBS 141478	KX650553	KX650553	KX650526	N/A
<i>Nigrograna</i>	<i>norvegica</i>	CBS 141485	KX650556	KX650556	N/A	KX650578
<i>Nigrograna</i>	<i>obliqua</i>	CBS 141475	KX650558	KX650558	KX650530	KX650579
<i>Arthopyrenia</i>	<i>salicis</i>	CBS 368.94	AY538339	KF443410	KF443404	KF443397
<i>Arthopyrenia</i>	<i>salicis</i>	NRRL62788	N/A	KM030296	N/A	N/A
<i>Roussoella</i>	<i>intermedia</i>	CBS 170.96	KF443382	KF443407	KF443398	KF443394

<i>Aaosphaeria</i>	<i>arxii</i>	CBS 175.79	OU989224	NR_169685	N/A	N/A
<i>Arthopyrenia</i>	<i>salicis</i>	UTHSC:DI16-356	LN907499	LT796900	LT797140	LT797060
<i>Arthopyrenia</i>	<i>salicis</i>	UTHSCDI16_220	LN907363	LT796841	LT797081	LT797001