

Table S1. Data availability and accession numbers for GenBank.

Voucher specimen	GenBank accession	Isolates	Phylum	Class	Order	Family	Genus	Species	Collection
RBG 7419	OQ913762	316	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	<i>Penicillium</i>	<i>citreonigrum</i>	Australia: Lane Cove, NSW
RBG 7420	OQ913763								Australia: Kamay Botany Bay, NSW
RBG 7421	OQ913764								Australia: Lane Cove, NSW
RBG 7422	OQ913765								Australia: Patonga, NSW
RBG 7423	OQ913766								Australia: Patonga, NSW
RBG 7424	OQ913767								Australia: Patonga, NSW
RBG 7425	OQ913768								Australia: Patonga, NSW
RBG 7426	OQ913769								Australia: Patonga, NSW
RBG 7427	OQ913770								Australia: Patonga, NSW
RBG 7428	OQ913771								Australia: Patonga, NSW
RBG 7429	OQ913772								Australia: Wattamolla, NSW
RBG 7430	OQ913773								Australia: Wattamolla, NSW
RBG 7431	OQ913774								Australia: Wattamolla, NSW
RBG 7432	OQ913775								Australia: Wattamolla, NSW
RBG 7433	OQ913776								Australia: Wattamolla, NSW
RBG 7434	OQ913777								Australia: Wattamolla, NSW
RBG 7435	OQ913778								Australia: Wattamolla, NSW
RBG 7436	OQ913779								Australia: Wattamolla, NSW
RBG 7437	OQ913780								Australia: Wattamolla, NSW
RBG 7438	OQ913781								Australia: Wattamolla, NSW
RBG 7439	OQ913782								Australia: Wattamolla, NSW

RBG 7440	OQ913783								Australia: Patonga, NSW
RBG 7450	OQ913793	100	Ascomycota	Dothideomycetes	Botryosphaeriales	Botryosphaeriaceae	<i>Neofusicoccum</i>	<i>hellenicum</i>	Australia: Lane Cove, NSW
RBG 7451	OQ913794								Australia: Kamay Botany Bay, NSW
RBG 7452	OQ913795								Australia: Wattamolla, NSW
RBG 7453	OQ913796								Australia: Kamay Botany Bay, NSW
RBG 7454	OQ913797								Australia: Kamay Botany Bay, NSW
RBG 7455	OQ913798								Australia: Patonga, NSW
RBG 7456	OQ913799								Australia: Patonga, NSW
RBG 7457	OQ913800								Australia: Patonga, NSW
RBG 7458	OQ913801								Australia: Patonga, NSW
RBG 7459	OQ913802								Australia: Patonga, NSW
RBG 7460	OQ913803								Australia: Patonga, NSW
RBG 7461	OQ913804	75	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	<i>Penicillium</i>	<i>glabrum</i>	Australia: Kamay Botany Bay, NSW
RBG 7462	OQ913805								Australia: Kamay Botany Bay, NSW
RBG 7463	OQ913806								Australia: Lane Cove, NSW
RBG 7464	OQ913807								Australia: Kamay Botany Bay, NSW
RBG 7465	OQ913808								Australia: Lane Cove, NSW
RBG 7466	OQ913809								Australia: Kamay Botany Bay, NSW
RBG 7467	OQ913810								Australia: Wattamolla, NSW
RBG 7468	OQ913811								Australia: Wattamolla, NSW
RBG 7469	OQ913812								Australia: Patonga, NSW
RBG 7470	OQ913813	240	Ascomycota	Leotiomyces	Helotiales	Helotiales fam incertae sedis	<i>Banksiamyces</i>	sp.	Australia: Wattamolla, NSW
RBG 7471	OQ913814								Australia: Patonga, NSW

RBG 7472	OQ913815								Australia: Patonga, NSW
RBG 7473	OQ913816								Australia: Patonga, NSW
RBG 7474	OQ913817								Australia: Patonga, NSW
RBG 7475	OQ913818								Australia: Patonga, NSW
RBG 7476	OQ913819								Australia: Patonga, NSW
RBG 7477	OQ913820								Australia: Patonga, NSW
RBG 7478	OQ913821								Australia: Wattamolla, NSW
RBG 7479	OQ913822								Australia: Wattamolla, NSW
RBG 7480	OQ913823								Australia: Wattamolla, NSW
RBG 7481	OQ913824								Australia: Wattamolla, NSW
RBG 7482	OQ913825								Australia: Kamay Botany Bay, NSW
RBG 7483	OQ913826								Australia: Kamay Botany Bay, NSW
RBG 7484	OQ913827								Australia: Lane Cove, NSW
RBG 7485	OQ913828								Australia: Lane Cove, NSW
RBG 7486	OQ913829								Australia: Lane Cove, NSW
RBG 7487	OQ913830								Australia: Lane Cove, NSW
RBG 7510	OQ913853	6	Ascomycota	Dothideomycetes	Pleosporales	Cucurbitariaceae	<i>Neocucurbitaria</i>	sp.	Australia: Wattamolla, NSW
RBG 7511	OQ913854	3	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	<i>Penicillium</i>	<i>catalonicum</i>	Australia: Wattamolla, NSW
RBG 7448	OQ913791	1	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	<i>Cladosporium</i>	<i>perangustum</i>	Australia: Wattamolla, NSW
RBG 7449	OQ913792	1	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	<i>Exophiala</i>	<i>bergeri</i>	Australia: Wattamolla, NSW
RBG 7512	OQ913855	2	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	<i>Cladophialophora</i>	<i>mycetomatis</i>	Australia: Wattamolla, NSW
RBG7350	OP437839	1	Ascomycota	Eurotiomycetes	Eurotiales	Trichocomaceae	<i>Talaromyces</i>	<i>chlorolomus</i>	Australia: Wattamolla, NSW
RBG 7488	OQ913831	7	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	<i>Penicillium</i>	<i>dierckxii</i>	Australia: Patonga, NSW

RBG 7489	OQ913832								Australia: Patonga, NSW
RBG 7490	OQ913833								Australia: Patonga, NSW
RBG 7491	OQ913834	4	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	<i>Penicillium</i>	sp.	Australia: Patonga, NSW
RBG 7492	OQ913835								Australia: Patonga, NSW
RBG 7493	OQ913836	36	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	<i>Penicillium</i>	sp.	Australia: Patonga, NSW
RBG 7494	OQ913837								Australia: Patonga, NSW
RBG 7495	OQ913838								Australia: Patonga, NSW
RBG 7496	OQ913839								Australia: Patonga, NSW
RBG 7497	OQ913840								Australia: Patonga, NSW
RBG 7441	OQ913784	13	Ascomycota	Sordariomycetes	N/A	N/A	N/A	N/A	Australia: Patonga, NSW
RBG7405	OP437894	3	Ascomycota	Sordariomycetes	Xylariales	Sporocadaceae	<i>Neopestalotiopsis</i>	<i>clavispora</i>	Australia: Patonga, NSW
RBG 7498	OQ913841	10	Ascomycota	Sordariomycetes	Xylariales	Sporocadaceae	<i>Pestalotiopsis</i>	sp.	Australia: Kamay Botany Bay, NSW
RBG 7499	OQ913842								Australia: Patonga, NSW
RBG 7500	OQ913843								Australia: Patonga, NSW
RBG 7442	OQ913785	1	Ascomycota	Sordariomycetes	Xylariales	Xylariales incertae sedis	<i>Anthostomelloides</i>	sp.	Australia: Patonga, NSW
RBG7347	OP437836	3	Ascomycota	Eurotiomycetes	Eurotiales	Thermoascaceae	<i>Paecilomyces</i>	<i>maximus</i>	Australia: Patonga, NSW
RBG 7513	OQ913856	2	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	<i>Fusarium</i>	sp.	Australia: Patonga, NSW
RBG7346	OP437835	4	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	<i>Penicillium</i>	<i>Olsonii</i>	Australia: Patonga, NSW
RBG 7514	OQ913857	2	Ascomycota	Sordariomycetes	Diaporthales	Valsaceae	<i>Cytospora</i>	<i>eucalypticola</i>	Australia: Patonga, NSW
RBG7364	OP437853	2	Ascomycota	Sordariomycetes	Glomerellales	Glomerellaceae	<i>Colletotrichum</i>	<i>endophyticum</i>	Australia: Patonga, NSW
RBG 7443	OQ913786	1	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	<i>Penicillium</i>	<i>sumatraense</i>	Australia: Patonga, NSW
RBG 7501	OQ913844	3	Ascomycota	Dothideomycetes	Pleosporales	Anteagloniaceae	<i>Anteaglonium</i>	sp.	Australia: Kamay Botany Bay, NSW
RBG 7502	OQ913845								Australia: Wattamolla, NSW

RBG 7503	OQ913846								Australia: Wattamolla, NSW
RBG 7444	OQ913787	1	Ascomycota	Sordariomycetes	Hypocreales	Ophiocordycipitaceae	<i>Purpureocillium</i>	<i>lilacinum</i>	Australia: Wattamolla, NSW
RBG 7445	OQ913788	1	Ascomycota	Dothideomycetes	Pleosporales	Pleosporales incertae sedis	<i>Heleiosa</i>	<i>barbatula</i>	Australia: Wattamolla, NSW
RBG 7446	OQ913789	2	Ascomycota	Sordariomycetes	Sordariales	Lasiosphaeriaceae	<i>Fimetariella</i>	<i>rabenhorstii</i>	Australia: Wattamolla, NSW
RBG 7504	OQ913847	5	Ascomycota	Dothideomycetes	Botryosphaeriales	Botryosphaeriaceae	<i>Neofusicoccum</i>	<i>parvum</i>	Australia: Lane Cove, NSW
RBG 7505	OQ913848								Australia: Kamay Botany Bay, NSW
RBG 7506	OQ913849								Australia: Lane Cove, NSW
RBG 7314	OP437803								Australia: Lane Cove, NSW
RBG 7507	OQ913850	16	Ascomycota	Sordariomycetes	Togniniales	Togniniaceae	<i>Phaeoacremonium</i>	<i>scolyti</i>	Australia: Kamay Botany Bay, NSW
RBG 7508	OQ913851	11	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	<i>Penicillium</i>	<i>citrinum</i>	Australia: Kamay Botany Bay, NSW
RBG 7509	OQ913852								Australia: Kamay Botany Bay, NSW
RBG 7515	OQ913858	1	Ascomycota	Sordariomycetes	Bolinales	Boliniaceae	<i>Camaropella</i>	<i>pugillus</i>	Australia: Lane Cove, NSW
RBG7393	OP437882	1	Ascomycota	Sordariomycetes	Sordariomycetidae	Sordariomycetidae incertae sedis	<i>Xylomelasma</i>	sp.	Australia: Kamay Botany Bay, NSW
RBG7406	OP437895	1	Ascomycota	Sordariomycetes	Xylariales	Xylariales incertae sedis	<i>Anthostomelloides</i>	<i>brabeji</i>	Australia: Lane Cove, NSW
RBG7334	OP437823	4	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	<i>Exophiala</i>	<i>oligosperma</i>	Australia: Kamay Botany Bay, NSW
RBG7348	OP437837	1	Ascomycota	Eurotiomycetes	Eurotiales	Trichocomaceae	<i>Rasamsonia</i>	<i>columbiensis</i>	Australia: Lane Cove, NSW
RBG 7447	OQ913790	1	Ascomycota	Sordariomycetes	Cephalothecales	Cephalothecaceae	<i>Phialemonium</i>	sp.	Australia: Kamay Botany Bay, NSW
RBG7313	OP437802	1	Ascomycota	Dothideomycetes	Botryosphaeriales	Botryosphaeriaceae	<i>Botryosphaeria</i>	<i>stevensii</i>	Australia: Lane Cove, NSW
RBG7394	OP437883	1	Ascomycota	Sordariomycetes	Togniniales	Togniniaceae	<i>Phaeoacremonium</i>	<i>argentinense</i>	Australia: Lane Cove, NSW