

Supplementary Table 1 Sequences used for the phylogenetic analysis of *Pluteus* based on ITS and tef1.

Species	Voucher	ITS	tef1	Location
<i>P. aesontiensis</i>	MCVE30112_T	MZ412508	-	Italy
<i>P. aff. argentinensis</i>	JAD301	OM060356	-	Vanuatu
<i>P. aff. argentinensis</i>	JAD171	OM060355	-	Vanuatu
<i>P. aff. argentinensis</i>	HKAS151209	PX642592	PX716888	China
<i>P. aff. argentinensis</i>	HKAS151214	PX642594	PX716890	China
<i>P. aff. pouzarianus</i>	HKAS50880	PX642599	PX716892	China
<i>P. aff. pouzarianus</i>	HKAS83031	PX642620	-	China
<i>P. aff. pouzarianus</i>	HKAS130710	PX642623	PX716905	China
<i>P. aff. roseipes</i>	FJAU66578	PP516607	-	China
<i>P. aff. semibulbosus</i>	TNSF12393	HM562090	-	Japan
<i>P. aff. semibulbosus</i>	TNSF12393	HM562090	-	Japan
<i>P. aff. semibulbosus</i>	TNSF12393	HM562090	-	Japan
<i>P. aff. vanuatuensis</i>	JAD285	OM060392	OP094589	Vanuatu
<i>P. albivillus</i>	FJAU66613_T	PQ810736	PQ811046	China
<i>P. albotomentosus</i>	LE289394_T	KM658284	-	Russia
<i>P. albotomentosus</i>	LEF289394_T	KM658284	PP751005	Russia
<i>P. aletaiensis</i>	HMJAU60208_T	OM992247	OP573274	China
<i>P. alniphilus</i>	PC0086107_T	KJ009678	-	France
<i>P. alniphilus</i>	LE9713	KJ009676	KJ009840	Russia
<i>P. americanus</i>	AHSmith57842_T	KJ009762	KJ010037	USA
<i>P. anaticus</i>	OKA1032_T	MT523034	-	Türkiye
<i>P. arizonicus</i>	TAC1818_T	MN173377	PP534833	USA
<i>P. asperulus</i>	HKAS151170	PX642564	PX716867	China
<i>P. asperulus</i>	HKAS151213	PX642583	PX716880	China
<i>P. asperulus</i>	HKAS150923_T	PX700594	-	China
<i>P. asperulus</i>	WY64	PX642578	PX716878	China
<i>P. assimilatus</i>	LE313452_T	ON118385	ON133545	Russia
<i>P. assimilatus</i>	HKAS151184	PX642589	PX716885	China
<i>P. atrofibrillosus</i>	Vellinga4153_T	KJ009774	KJ010020	USA
<i>P. atrofavipes</i>	HKAS89899	PX642652	-	China

<i>P. atrofavipes</i>	HKAS151166	PX642660	PX716934	China
<i>P. atrofavipes</i>	HKAS151181	PX642662	PX716936	China
<i>P. atrofavipes</i>	HKAS151162_T	PX642667	PX716940	China
<i>P. atromarginatus</i>	LE289425	KJ009770	KJ010012	Russia
<i>P. atromarginatus</i>	HKAS31573	DQ494687	-	Germany
<i>P. atromarginatus</i>	HKAS75545	PX642605	-	China
<i>P. atropungens</i>	voucher62033	HM562059	-	USA
<i>P. atroreticulatus</i>	HKAS151299_T	PX642568	PX716871	China
<i>P. aurantioruber</i>	GDGM89520_T	OP522368	-	China
<i>P. aurantioruber</i>	HKAS151280	PX642582	-	China
<i>P. aurantiorugosus</i>	AJ219	HM562041	-	Spain
<i>P. aurantiorugosus</i>	GDGM41547	MK791275	-	China
<i>P. aurantiorugosus</i>	HKAS83882	PX642559	-	China
<i>P. aurantiorugosus</i>	HKAS92419	PX642560	PX716863	China
<i>P. aureofuscus</i>	HKAS151173	PZ051317	-	China
<i>P. aureofuscus</i>	HKAS154145	PZ051318	-	China
<i>P. aureus</i>	NBMFF009863_T	ON006979	-	USA:Indiana
<i>P. aureus</i>	AJ865	PP950743	PP950354	USA:Arkansas
<i>P. austrofulvus</i>	AJ857_T	KM983701	ON813290	USA:Arkansas
<i>P. baishanzuensis</i>	FJAU66622_T	PQ810738	PQ811048	China
<i>P. baishanzuensis</i>	HKAS151273	PX642666	PX716939	China
<i>P. baishanzuensis</i>	HKAS151001	PX642671	PX716941	China
<i>P. brunneidiscus</i>	BPI884087_T	HM562217	-	USA
<i>P. brunneidiscus</i>	HKAS87720	PX642607	PX716895	China
<i>P. brunneidiscus</i>	HKAS150971	PX642636	-	China
<i>P. brunneidiscus</i>	HKAS150977	PX642637	PX716916	China
<i>P. brunneoalbus</i>	GDGM55207_T	MN475952	-	China
<i>P. brunneosquamulosus</i>	K12794_T	JN603204	-	India
<i>P. brunneovenosus</i>	GDOR5090_TYPE	OK090867	-	Italy
<i>P. calidophilus</i>	HKAS125323	PX642571	PX716873	China
<i>P. calidophilus</i>	HKAS151208_T	PX642591	PX716887	China
<i>P. calidophilus</i>	HKAS151207	PX642590	PX716886	China
<i>P. californicus</i>	iNaturalist205954425	PV020856	-	USA

<i>P. californicus</i>	iNaturalist166510945	PP791272	PX578817	USA
<i>P. californicus</i>	NY775457_TYPE	PX634676	-	USA
<i>P. castaneorugosus</i>	LE313071_T	MT611237	-	Vietnam
<i>P. castaneorugosus</i>	HKAS78644	PX642558	-	Laos
<i>P. cervinus</i>	REG13641_E	HM562152	KJ009860	Germany
<i>P. cervinus</i>	REG13661	HM562171	KJ009862	Germany
<i>P. cervinus</i>	HKAS104344	PX642608	PX716896	China
<i>P. cervinus</i>	HKAS104549	PX642610	PX716898	China
<i>P. cf. velutinus</i>	LE347428	OQ732742	-	Vietnam
<i>P. cf. velutinus</i>	LE313055	MT611241	-	Vietnam
<i>P. cf. velutinus</i>	HKAS96551	PX642653	PX716930	China
<i>P. chandrasrikuliae</i>	BKF10214_T	MN492649	-	Thailand
<i>P. chimminiensis</i>	TBGT19318_T	PP938401	-	India
<i>P. chrysaegis</i>	GDGM42376	MH059514	-	China
<i>P. chrysaegis</i>	LE347436	OQ732741	OQ772318	Vietnam
<i>P. chrysaegis</i>	HKAS125475	PX642659	-	China
<i>P. chrysaegis</i>	WY48	PX642665	-	China
<i>P. chrysaegis</i>	HKAS151210	PX642679	PX716949	China
<i>P. chrysophlebius</i>	FJAU66561	OR994065	PP062824	China
<i>P. chrysophlebius</i>	HKAS76357	PX642555	PX716862	China
<i>P. chrysophlebius</i>	HKAS113448	PX642569	-	China
<i>P. cinereofuscus</i>	AJ34	HM562124	-	Spain
<i>P. concentricus</i>	PDD72539	MN738616	-	New Zealand
<i>P. conformis</i>	LE313664_T	NR191226	OQ772323	Vietnam
<i>P. conformis</i>	HKAS92364	PX642612	-	China
<i>P. conformis</i>	HKAS151292	PX642647	PX716926	China
<i>P. conizatus</i>	HKAS151272	PX642655	PX716932	China
<i>P. costatus</i>	FJAU66589_T	PP516603	PP551591	China
<i>P. croceus</i>	NBMFF009869_T	ON006974	PP950345	USA:Indiana
<i>P. cystidiosus</i>	FJAU66556	OR994068	PP062825	China
<i>P. daqinggouensis</i>	FJAU72212_T	PQ572112	-	China
<i>P. daqinggouensis</i>	HKAS151174	PX642565	PX716868	China
<i>P. diana</i>	PRM629413_T	MH656481	-	Czech Republic

<i>P. diettrichii</i>	GM2581	KM983714	-	Spain
<i>P. diettrichii</i>	iNaturalist162808706	OR987150	-	USA
<i>P. diettrichii</i>	WU53278	PZ051321	-	Austria
<i>P. doulianus</i>	HKAS151165	PX642562	PX716865	China
<i>P. doulianus</i>	HKAS151279_T	PX642572	PX716874	China
<i>P. doulianus</i>	HKAS151282	PX642574	PX716876	China
<i>P. dyscritus</i>	<i>PUL30415_T</i>	ON006990		USA
<i>P. elaphinus</i>	Justo783_T	KJ009663	KJ009902	USA
<i>P. eliae</i>	Isaacs2460	HM562076	-	USA
<i>P. eludens</i>	MA50497_T	HM562118	-	Portugal
<i>P. eos</i>	Justo589_T	KJ009683	KJ009808	USA
<i>P. eos</i>	Voitk_050916AV12	KJ009795	KJ009809	Canada
<i>P. eos</i>	LE289379	KJ009675	KJ009807	Russia
<i>P. ephebeus</i>	FG110201617	PP749039		Slovenia
<i>P. ephebeus</i>	FG17082019002	PP749041	PP750997	Slovenia
<i>P. ephebeus</i>	FG18092019016	PP749046	PP750998	Slovenia
<i>P. eugraptoides</i>	JAD168_Holotype	OM060382	-	Vanuatu
<i>P. exilis</i>	UC1861131	JX857446	KJ460252	USA:California
<i>P. exilis</i>	SingerN5105_T	KJ009778	-	USA
<i>P. farensis</i>	GDOR5085_T	ON118388	-	Italy
<i>P. favrei</i>	LEF313590	PP950727	PP950338	Russia:Siberia
<i>P. favrei</i>	BRMN642384_T	PP950718	-	Slovakia
<i>P. fenzlii</i>	TNSF12376	HM562091	-	Japan
<i>P. flavofulgineus</i>	CUP7619_T	PP950699	-	USA:New York
<i>P. flavostipitatus</i>	LE313350_T	ON118389	ON133542	Russia
<i>P. fulvibadius</i>	AJ815	KM983698	ON813285	USA:California
<i>P. fumidus</i>	LE347557_T	PP583795	PP597254	Russia
<i>P. fuscipruinatus</i>	TBGT19392_T	PP938400	-	India
<i>P. fuscipruinatus</i>	HKAS151283	PX642567	PX716870	China
<i>P. fuscodiscus</i>	FG22082015_T	OR229025	-	Italy
<i>P. fuscodiscus</i>	LE312862	OR229020	OR242149	Russia
<i>P. fuscopunctatus</i>	TBGT18903_T	OQ252937	-	India
<i>P. fuscopunctatus</i>	HKAS151285	PX642576	-	China

<i>P. fuscopunctatus</i>	HKAS151284	PX642580	-	China
<i>P. glaucotinctus</i>	SP394380	HM562147	-	Brazil
<i>P. glaucotinctus</i>	HKAS124920	PX642624	PX716906	China
<i>P. granularis</i>	Strack7	HM562069	-	USA
<i>P. granularis</i>	SF20	HM562189	-	USA
<i>P. griseodiscus</i>	GDGM42280_T	KR350490	-	China:Guangdong
<i>P. griseostriatus</i>	HKAS75610	PX642606	-	China
<i>P. griseostriatus</i>	HKAS127791_T	PX642615	PX716900	China
<i>P. halonatus</i>	FK2084_T	KM983680	-	Brazil
<i>P. hengduanensis</i>	HKAS121812_T	PZ448561	PX716938	China
<i>P. hengduanensis</i>	HKAS57844	PX642651	PX716929	China
<i>P. hesperius</i>	UC1991291	PP950728	PP950339	USA:California
<i>P. hesperius</i>	UBCF24509_T	PP836189	PP950341	Canada
<i>P. heteromarginatus</i>	AJ172	HM562058	-	USA
<i>P. hibbettii</i>	AJ794_T	KJ009685	KJ009814	USA
<i>P. hibbettii</i>	TRTC156866	KJ009684	KJ009812	Canada:Ontario
<i>P. hibbettii</i>	TNSF12371	HM562096	KJ009816	Japan
<i>P. hinnuleus</i>	FJAU66614_T	PQ810745	PQ811064	China
<i>P. hirtellus</i>	DED8259_T	MG968804	-	São Tomé and Príncipe
<i>P. hirtellus</i>	HKAS151287	PX642577	PX716877	China
<i>P. hirtellus</i>	HKAS151286	PX642579	PX716879	China
<i>P. hirtellus</i>	BAB_5004	KR002899	-	India
<i>P. hirtellus</i>	BAB_5026	KR002882	-	India
<i>P. hirtellus</i>	BAB_5245	KT186192	-	India
<i>P. hispidulopsis</i>	NMJ179_T	KM983712	-	Brazil
<i>P. hongoi</i>	Singer_A4070_T	KJ009564	KJ009940	Japan
<i>P. hongoi</i>	Vellinga4072	KJ009581	KJ009917	North Carolina
<i>P. hongoi</i>	HKAS141407	PX642613	PX716899	China
<i>P. hongoi</i>	HKAS71672	PX642619	PX716904	China
<i>P. hongoi</i>	HKAS150901	PX642628	-	China
<i>P. hongoi</i>	HKAS150936	PX642633	PX716913	China
<i>P. hongoi</i>	HKAS151059	PX642639	PX716918	China
<i>P. horakianus</i>	OR_2009a_T	FJ375251	-	Mexico

<i>P. hortensis</i>	AJ234	HM562044	-	Spain
<i>P. hortensis</i>	GM1967_T	PP749076	PP750993	Spain
<i>P. hubregtseorum</i>	BRNM825719_T	MN918531	-	Australia
<i>P. hubregtseorum</i>	BRNM825722	MN918530	-	Australia
<i>P. iguazuensis</i>	NKI10	KM983704	-	Brazil
<i>P. insidiosus</i>	L0053623_T	ON118390	ON133541	Netherlands
<i>P. insularis</i>	QFB34682_T	MN992490	PP950331	Canada:Quebec
<i>P. izurun</i>	ARAN3008424_T	JQ065023	KJ010047	Spain
<i>P. jamaicensis</i>	iNaturalist136193817	OQ363122	-	USA
<i>P. jamaicensis</i>	FLASF71411	OR052591	-	USA
<i>P. jilinensis</i>	FJAU66616_T	PQ810744	PQ811051	China
<i>P. karstedtia</i>	FK1700_T	KM983682	-	Brazil
<i>P. kovalenkoi</i>	LE9691_T	KJ009697	KJ009830	Russia
<i>P. lalepiorum</i>	JAD12_Holotype	OM060371	-	Vanuatu
<i>P. lalepiorum</i>	HKAS151288	PX642573	PX716875	China
<i>P. lalepiorum</i>	HKAS151158	PX642588	PX716884	China
<i>P. laricinus</i>	AHS38888	KJ009772	-	USA
<i>P. lauracearum</i>	OKATR1009_T	MW600395	-	Türkiye
<i>P. lauracearum</i>	OKATR1050	MW600396	-	Türkiye
<i>P. leoninus</i>	AJ212	HM562045	-	Spain
<i>P. leoninus</i>	LEF258165	PP950690	PP950308	Russia
<i>P. leoninus</i>	HKAS56048	PX642650	PX716928	China
<i>P. lepiotoides</i>	FJAU66132_T	PP002167	PP062823	China
<i>P. lepiotoides</i>	HKAS71854	PX642553	PX716860	China
<i>P. lepiotoides</i>	BRNM771932	PP749068	-	Czech Republic
<i>P. lepiotoides</i>	GM3457	PP749061	-	Spain
<i>P. lepiotoides</i>	KM93367_T	PP749094		United Kingdom
<i>P. leucoborealis</i>	LE289421_T	KJ009746	KJ009994	Russia
<i>P. leucoborealis</i>	HKAS57051	PX642601	PX716894	China
<i>P. leucoborealis</i>	HKAS57870	PX642602	-	China
<i>P. leucoborealis</i>	HKAS60447	PX642603	-	China
<i>P. leucoborealis</i>	JD904	PX642625	-	China
<i>P. leucoborealis</i>	HKAS150930	PX642631	PX716911	China

<i>P. leucoborealis</i>	HKAS150935	PX642632	PX716912	China
<i>P. leucoborealis</i>	HKAS150996	PX642638	PX716917	China
<i>P. liaohensis</i>	FJAU72215_T	PQ572109	-	China
<i>P. liliputianus</i>	LE312868_T	MK982288	-	Russia
<i>P. longistriatus</i>	LE312951	KX216355	-	Russia
<i>P. longistriatus</i>	FJAU66596	PP516605	-	China
<i>P. longistriatus</i>	HKAS151023	PX642672	PX716942	China
<i>P. longistriatus</i>	HKAS151024	PX642673	PX716943	China
<i>P. longistriatus</i>	HKAS151026	PX642674	PX716944	China
<i>P. losulus</i>	GDGM47112	MH231231	-	China
<i>P. losulus</i>	GF5273	HM562129	-	Democratic Republic of the Congo
<i>P. losulus</i>	WY70	PX642627	PX716908	China
<i>P. losulus</i>	HKAS151211	PX642646	PX716925	China
<i>P. lucidus</i>	LE347426_T	OQ732746	OQ772316	Russia
<i>P. ludovicianus</i>	iNaturalist130686548	OP549140	-	USA
<i>P. ludovicianus</i>	iNaturalist131143768	OP549106	-	USA
<i>P. ludwigii</i>	MCVE30136_T	MK834525	-	Slovenia
<i>P. magnus</i>	CBM36790	HM562087	-	Japan
<i>P. mammillatus</i>	ASM7916_T	NR119874	-	USA
<i>P. meridionalis</i>	MC4412_T	HM562157	KJ010052	Brazil
<i>P. methvenii</i>	PNC1_T	KJ009689	KJ009826	USA
<i>P. methvenii</i>	AV04	KJ009793	KJ009829	Canada
<i>P. methvenii</i>	TN5_029	KJ009792	KJ009828	Canada
<i>P. murinus</i>	F14383_T	PP749096		Italy
<i>P. murinus</i>	GM2426	PP749031	PP750991	Spain
<i>P. nanus</i>	UC1861128	KC147673	-	USA
<i>P. neochrysaegis</i>	JAD265	OM060372	-	Vanuatu
<i>P. neochrysaegis</i>	HKAS36233	PX642656	-	China
<i>P. nigrinus</i>	LE347544_T	PP583797	PP597256	Russia
<i>P. nothopellitus</i>	AJ58_T	HM562063	-	Spain
<i>P. ochraceoleoninus</i>	BRNM840324_T	PP950741	PP950350	South Korea
<i>P. ochroviridans</i>	GM4425_TYPE	PX646981	-	Spain

<i>P. ochroviridans</i>	GM4236	PX646980	PX578818	Spain
<i>P. olivaceofibrillosus</i>	LE313059_T	MT611230	-	Vietnam
<i>P. olivaceus</i>	GM1847	PX646991	PX578800	Spain
<i>P. oreibatus</i>	Vellinga4183_T	KJ009763	KJ010033	USA
<i>P. orestes</i>	UC1861122_T	JX857467	-	USA
<i>P. orestes</i>	UC1998591	JX857470	KJ460256	USA
<i>P. orestes</i>	MO80923	KJ009673	KJ009825	USA
<i>P. ornatus</i>	LE347437_T	OQ732738	OQ772319	Vietnam
<i>P. padanilus</i>	CUWPradeep13844_T	JQ801374	KJ010049	India
<i>P. pallescens</i>	AJ214	HM562056	-	Spain
<i>P. pallidosquamulosus</i>	LE313056_T	MT611240	-	Vietnam
<i>P. pallidus</i>	HRL427	PX647002	PX578832	Canada
<i>P. parvisporus</i>	iNaturalist112236342_T	ON864098	ON813294	USA:Tennessee
<i>P. paucicystidiatus</i>	CP218_T	HM562173	-	Brazil
<i>P. pellitus</i>	AJ202	HM562037	-	Spain
<i>P. pellitus</i>	LE289374	KJ009698	KJ009984	Russia
<i>P. petasatus</i>	LE289372_T	KJ009705	KJ009952	Russia
<i>P. petasatus</i>	HKAS151180	PX642618	PX716903	China
<i>P. petasatus</i>	HKAS93471	PX642621	-	China
<i>P. petasatus</i>	HKAS151277	PX642622	-	China
<i>P. phaeocyanopus</i>	MICH69511_TYPE	PP938223	-	USA
<i>P. phaeocyanopus</i>	iNat_201445247	PX647003	PX578825	USA
<i>P. phaeodyscritus</i>	iNaturalist56685062_T	OM474039		USA
<i>P. phlebophorus</i>	GDGM41578	MK791276	-	
<i>P. phlebophorus</i>	AJ81	HM562039	ON133554	Spain
<i>P. phlebophorus</i>	HKAS77912	PX642557	-	China
<i>P. phlebophorus</i>	HKAS151157	PX642587	PX716883	China
<i>P. piceicola</i>	FJAU66574_T	PP516599	PP551589	China
<i>P. podospileus</i>	LE303682	KX216331	OR242169	Russia
<i>P. podospilloides</i>	LE347430	OQ732744	OQ772315	Vietnam
<i>P. podospilloides</i>	LE313230_T	MT611236	-	Vietnam
<i>P. podospilloides</i>	HKAS151167	PX642563	PX716866	China
<i>P. poliocnemis</i>	JLS1624	HM562143	-	Spain

<i>P. poliocnemis</i>	HKAS58019	PX642551	-	China
<i>P. poliocnemis</i>	GM2190	KM983715	-	Spain
<i>P. pouzarianus</i>	PRM898519	KJ009670	KJ009800	Czech Republic
<i>P. pouzarianus</i>	REG13619	HM562170	KJ009802	Germany
<i>P. pouzarianus</i>	LE289380	KJ009668	KJ009797	Russia
<i>P. pouzarianus</i>	HKAS62352	PX642604	-	China
<i>P. pouzarianus</i>	HKAS151197	PX642630	PX716910	China
<i>P. pouzarianus</i>	HKAS150968	PX642635	PX716915	China
<i>P. pouzarianus</i>	MHHNU34570	PX642643	PX716922	China
<i>P. pouzarianus</i>	Ge7308	PX642645	PX716924	China
<i>P. presleyi</i>	JAD239_Holotype	OM060393	-	Vanuatu
<i>P. primus</i>	JB87_121_T	KJ009679	-	Switzerland
<i>P. primus</i>	REG13620	HM562167	KJ009821	Germany
<i>P. primus</i>	AV13	KJ009781	KJ009823	Canada
<i>P. primus</i>	LE289390	KJ009680	KJ009818	Russia
<i>P. primus</i>	HKAS31619	PX642614	-	China
<i>P. pseudoinsidiosus</i>	LIP0401350_T	ON118392	ON133544	France
<i>P. pulcherrimus</i>	MCVE30061_T	MK446327	-	Italy
<i>P. pulverulentus</i>	AJ534	PP938228	-	Dominican Republic
<i>P. pumae</i>	AJ824	PP950714	PP950325	USA:California
<i>P. pumae</i>	UBCF26145_T	PP831609	-	Canada:BC
<i>P. punctatus</i>	PRM682743_T	MH656480	-	Czech Republic
<i>P. punctatus</i>	HKAS151274	PX642680	-	China
<i>P. purpureofuscus</i>	HKAS48956_T	KR350489	-	China:Sichuan
<i>P. purpureofuscus</i>	HKAS48956	PX642597	-	China
<i>P. purpureofuscus</i>	HKAS49084	PX642598	-	China
<i>P. puttemansii</i>	SP393698_T	HM562164	-	Brazil
<i>P. rangifer</i>	LE203210_T	KJ009650	KJ009898	Russia
<i>P. rangifer</i>	HKAS151142	PX642640	PX716919	China
<i>P. rangifer</i>	Ge7433	PX642644	PX716923	China
<i>P. romellii</i>	JAU66558	OR994057	PP062827	China
<i>P. romellii</i>	BRNM761731_E	ON864065	ON813278	Czech Republic
<i>P. romellii</i>	HKAS76632	PX642556	-	China

<i>P. romellii</i>	HKAS122973	PX642570	PX716872	China
<i>P. romellii</i>	HKAS151084	PX642586	PX716882	China
<i>P. roseipes</i>	MCVE30063	MK446321	-	Italy
<i>P. roseipes</i>	GM2590	PP950732	PP950344	Spain
<i>P. rugosidiscus</i>	BRNM761706	MH010876	LT991752	Slovakia
<i>P. saisamorniae</i>	BKF102_T	MN492646	-	Thailand
<i>P. salicinus</i>	MA67874	HM562051	-	Spain
<i>P. salicinus</i>	AJ349	JN603199	KJ010026	USA
<i>P. salicinus</i>	HKAS53980	PX642600	PX716893	China
<i>P. salicinus</i>	HKAS104354	PX642609	PX716897	China
<i>P. salicinus</i>	HKAS151194	PX642629	PX716909	China
<i>P. salicinus</i>	HKAS150960	PX642634	PX716914	China
<i>P. sandalioticus</i>	AJ200	HM562052	-	Spain
<i>P. saupe</i>	Saupe230_T	HM562113	-	
<i>P. semibulbosus</i>	FJAU66593	PP516619	-	China
<i>P. semibulbosus</i>	OKA430	MG544920	-	Türkiye
<i>P. semibulbosus</i>	LE227534	FJ774080	-	Russia
<i>P. semibulbosus</i>	cx64	PX642654	PX716931	China
<i>P. semibulbosus</i>	HKAS112751	PX642658	PX716933	China
<i>P. semibulbosus</i>	HKAS114775	PX642663	PX716937	China
<i>P. semibulbosus</i>	HKAS151183	PX642668	-	China
<i>P. semibulbosus</i>	HKAS151202	PX642669	-	China
<i>P. semibulbosus</i>	Ge7505	PX642678	PX716948	China
<i>P. sepiicolor</i>	LE289366	KJ009766	KJ010031	Russia
<i>P. sepiicolor</i>	LE289365_T	KJ009765	KJ010030	Russia
<i>P. sepiicolor</i>	HKAS118297	PX642611	-	China
<i>P. sepiicolor</i>	HKAS151145	PX642641	PX716920	China
<i>P. sepiicolor</i>	HKAS151150	PX642642	PX716921	China
<i>P. shikae</i>	TNS_F12349_T	HM562093	KJ009837	Japan
<i>P. siccus</i>	LE313356_T	ON864113	ON813301	Russia
<i>P. similis</i>	PDD110231	MN738672	-	New Zealand
<i>P. similis</i>	HKAS151291	PX642616	PX716901	China
<i>P. sinensis</i>	GDGM46645_T	MN394993		China

<i>P. sp</i>	GDGM42365	KU382737	-	China
<i>P. sp</i>	GDGM41576	KU382738	-	China
<i>P. sp</i>	GDGM89608	OP503400	-	China
<i>P. sp.</i>	HKAS151177	PX642566	PX716869	China
<i>P. sp.</i>	WY53	PX642575	-	China
<i>P. sp.</i>	HKAS151198	PX642581	-	China
<i>P. sp.</i>	HKAS145966	PX642585	-	China
<i>P. sp.</i>	LJ468	PX642677	PX716947	China
<i>P. sp.</i>	HMJAU59498	PX411541	-	China
<i>P. spaniophyllus</i>	FJAU66593_T	PP516619	PP551605	China
<i>P. spegazzinianus</i>	SinGermanyM3377	HM562194	-	Argentina
<i>P. spurius</i>	LE312866_TYPE	MK982290	-	Russia
<i>P. squamulososulcatus</i>	LE313237_T	MT611234	-	Vietnam
<i>P. squamulososulcatus</i>	HKAS151301	PX642595	-	China
<i>P. squarrosus</i>	GDGM42302_T	MK791273	-	China
<i>P. squarrosus</i>	HKAS73970	PX642554	PX716861	China
<i>P. squarrosus</i>	HKAS151212	PX642593	PX716889	China
<i>P. sternbergii</i>	PRM154258_ETYPE	ON864116	-	Czech Republic
<i>P. subroseus</i>	LE347429_T	OQ732739	OQ772317	Vietnam
<i>P. tatafuensis</i>	JAD304_Holotype	OM060395	-	Vanuatu
<i>P. tatafuensis</i>	HKAS154146	PZ051319	-	China
<i>P. tenebromarginatus</i>	GC17102401_T	MT079860	-	France
<i>P. tenuipileus</i>	FJAU66591_T	PP516620	PP551607	China
<i>P. thoenii</i>	Thoen5546_T	HM562132	KJ010051	Democratic Republic of the Congo
<i>P. thomensis</i>	DED8333_T	MG968800	-	São Tomé and Príncipe
<i>P. thomsonii</i>	AJ206	HM562053	-	Spain
<i>P. thomsonii</i>	HKAS61796	PX642552	PX716859	China
<i>P. thomsonii</i>	HKAS112749	PX642561	PX716864	China
<i>P. tomentosulus</i>	LEF312908_T	KX216307	PP750985	Russia
<i>P. ultraputripiceae</i>	FJAU66594_T	PP516601	PP551608	China
<i>P. ultraputripiceae</i>	HKAS46185	PZ051320	-	China
<i>P. umbrosoides</i>	GDGM42350	MH059511	-	China

<i>P. umbrosoides</i>	LE312735_T	KX216321	-	Russia
<i>P. umbrosoides</i>	FJAU66615	PQ810757	-	China
<i>P. umbrosus</i>	AJ213	HM562140	-	Spain
<i>P. umbrosus</i>	FJAU66590	PP516604	PP928982	China
<i>P. umbrosus</i>	HKAS53651	PX642649	PX716927	China
<i>P. ussuriensis</i>	LEF312953_T	PP950739	PP950349	Russia
<i>P. ussuriensis</i>	HKAS45497	PX642648	-	China
<i>P. vanuatuensis</i>	JAD189_Holotype	OM060387	OP094586	Vanuatu
<i>P. vanuatuensis</i> f. <i>ramicystidiatus</i>	JAD159_Holotype	OM060386	OP094583	Vanuatu
<i>P. variabilicolor</i>	TNSF17602_T	HM562092	-	Japan
<i>P. variabilicolor</i>	LEF_312858	PP950748	PP950358	Russia
<i>P. variabilicolor</i>	HKAS107612	PX642657	-	China
<i>P. variabilicolor</i>	HKAS151175	PX642661	PX716935	China
<i>P. variabilicolor</i>	HKAS150910	PX642675	PX716945	China
<i>P. vellingae</i>	ECV3201_T	AY854065	AY883433	USA:California
<i>P. vellingae</i>	HKAS151203	PX642584	PX716881	China
<i>P. velutinus</i>	K12851	JN603205	-	India
<i>P. velutinus</i>	TNSF12365	HM562114	-	Japan
<i>P. velutinus</i>	HKAS150953	PX642670	-	China
<i>P. velutinus</i>	HKAS151186	PX642676	PX716946	China
<i>P. viscidulus</i>	T997	HM562110	-	Argentina
<i>P. wahei</i>	JAD284_Holotype	OM060379	-	Vanuatu
<i>P. xylophilus</i>	NMJ147	FJ816660	-	Brazil
<i>P. xylophilus</i>	HKAS35941	PX642596	PX716891	China
<i>P. xylophilus</i>	HKAS151171	PX642617	PX716902	China
<i>P. xylophilus</i>	HKAS151298	PX642626	PX716907	China
