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Supplementary material

Taxonomic and phylogenetic study of the genus *Lecaimmeria* (Lecideaceae, Ascomycota) reveals two new species from Pakistan

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Table 1 – Taxon name, Voucher numbers, GenBank accession numbers (ITS & LSU) and country name of the sequences used in the Phylogenetic analyses of genus *Lecaimmeria*. Bold with red color indicates newly generated sequences during this study.

Taxon Name	Voucher Number	GenBank Accession		Country
		ITS	LSU	
<i>Lecaimmeria asiatica</i>	LAH38008	OQ221138	-	Pakistan
<i>Lecaimmeria asiatica</i>	LAH38009	OQ221139	-	Pakistan
<i>Lecaimmeria botryoides</i>	KUN 20–66706	MZ227401	MZ227046	China
<i>Lecaimmeria botryoides</i>	KUN 20–66707	MZ227402	MZ227047	China
<i>Lecaimmeria botryoides</i>	KUN 20-66721A	MZ227406	-	China
<i>Lecaimmeria botryoides</i>	KUN 20–66711	MZ227404	MZ227048	China
<i>Lecaimmeria botryoides</i>	KUN 20-66713	MZ227405	-	China
<i>Lecaimmeria botryoides</i>	KUN 20–66765	MZ227412	MZ227053	China
<i>Lecaimmeria crispula</i>	LAH37798	OQ679941	OQ679940	Pakistan
<i>Lecaimmeria crispula</i>	LAH37799	OQ679942	-	Pakistan
<i>Lecaimmeria qinghaiensis</i>	KUN 20–68698	MZ227455	-	China
<i>Lecaimmeria qinghaiensis</i>	KUN 20–849	MZ227469	MZ227078	China
<i>Lecaimmeria qinghaiensis</i>	KUN 20–68687	MZ227453	-	China
<i>Lecaimmeria qinghaiensis</i>	KUN 20-68696	MZ227454	-	China
<i>Lecaimmeria qinghaiensis</i>	KUN 20–3127	MZ227471	-	China
<i>Lecaimmeria qinghaiensis</i>	KUN 20–3115	MZ227470	-	China
<i>Lecaimmeria iranica</i>	SDNU20117663	KR061347	-	China
<i>Lecaimmeria iranica</i>	SDNU20117623	KR061348	-	China
<i>Lecaimmeria lygaea</i>	KUN 20–69054	MZ227458	MZ227075	China
<i>Lecaimmeria lygaea</i>	KUN 20–69072	MZ227460	MZ227077	China
<i>Lecaimmeria lygaea</i>	KUN 20–69070	MZ227459	MZ227076	China
<i>Lecaimmeria mongolica</i>	SDNU20117613	MZ227397	-	China
<i>Lecaimmeria mongolica</i>	SDNU20190354	MZ227389	MZ227038	China
<i>Lecaimmeria mongolica</i>	SDNU20117399	MZ227398	-	China
<i>Lecaimmeria mongolica</i>	SDNU20117851	MZ227396	-	China
<i>Lecaimmeria mongolica</i>	SDNU20190350	MZ227388	MZ227037	China
<i>Lecaimmeria orbicularis</i>	KUN 20-66886B	MZ227429	-	China
<i>Lecaimmeria orbicularis</i>	KUN 20–66899	MZ227433	MZ227066	China
<i>Lecaimmeria orbicularis</i>	KUN 20–66935	MZ227440	MZ227071	China
<i>Lecaimmeria orbicularis</i>	KUN 20-66896	MZ227432	MZ227065	China
<i>Lecaimmeria orbicularis</i>	KUN 20-66803	MZ227415	MZ227055	China
<i>Lecaimmeria orbicularis</i>	KUN 20-66801	MZ227414	-	China
<i>Lecaimmeria pallidobrunnea</i>	LAH38024	OR563650	PP506558	Pakistan
<i>Lecaimmeria pallidobrunnea</i>	LAH38217	PP506552	-	Pakistan
<i>Lecaimmeria pakistanica</i>	LAH-36674	MW508503	-	Pakistan
<i>Lecaimmeria pakistanica</i>	LAH-36675	MW508504	-	Pakistan
<i>Lecaimmeria sultanii</i>	LAH37249	OR839058	PP723169	Pakistan
<i>Lecaimmeria sultanii</i>	LAH37321	PP723170	-	Pakistan
<i>Lecaimmeria sultanii</i>	LAH37850	OQ984147	-	Pakistan
<i>Lecaimmeria sultanii</i>	LAH37851	OQ984148	-	Pakistan
<i>Lecaimmeria tibetica</i>	KUN XY19-1288i	MZ227474	MZ227039	China
<i>Lecaimmeria tibetica</i>	KUN XY19-1288A	MZ227475	MZ227040	China
<i>Lecaimmeria tuberculosa</i>	KUN 18–58856	MZ227476	MZ227041	China
<i>Lecaimmeria tuberculosa</i>	KUN 18–58857	MZ227477	MZ227042	China
Outgroup				
<i>Romjularia lurida</i>	S.Pérez-Ortega 1372	KF683091	KF683107	Spain