Table S1. Characteristics of the ten red-listed study lichens.

Species	Growth form	Reproductive/dispersal units*	Algal symbiont*	Habitat*	Range*
Chaenotheca phaeocephala (Turner) Th.Fr.	Crustose (calicioid)	Spores (6.5 µm)	Trebouxia	Bark and lignum of old trees, esp. oaks	Europe, N America, Russia, Japan
Cliostomum corrugatum (Ach.: Fr.) Fr.	Crustose	Spores (10 x 3 µm)/ conidia (2.5 x 1 µm)	Trebouxia	Bark of old oaks, lignum	Europe, N America
Ramalina baltica Lettau	Foliose	Soredia (10 x 6 µm)	Trebouxia	Bark of old trees, esp. oaks	Europe, N America
Buellia violaceofusca G. Thor & Muhr	Crustose	Soredia (18 µm)	Trebouxia	Bark of old trees, esp. oaks	Europe, N America
Calicium adspersum Pers.	Crustose (calicioid)	Spores (15 x 7 µm/ conidia (2.5 x 1.3 µm)	Trebouxia	Bark of old oaks	Europe, New Zealand
Calicium quercinum Pers.	Crustose (calicioid)	Spores (11.5 x 5.5 µm)	Trebouxia	Bark and lignum of old oaks	Europe
Sclerophora coniophaea (Norman) J. Mattsson & Middelb.	Crustose (calicioid)	Spores (5 µm)	Trentepohlia	Bark and lignum of oaks (*Betula*, *Picea* in e.g. N Sweden)	Europe, N America, Asia
Schismatomma pericleum (Ach.) Branth & Rostr.	Crustose	Spores (34 x 3.3 µm/soredia (-30 µm)	Trentepohlia	Bark of oaks (*Picea* in e.g. N Sweden)	Europe
Caloplaca lucifuga G. Thor	Crustose	Soredia (21 µm)	Trebouxia	Bark of old trees, esp. oaks	W Europe
Lecanographa amylacea (Ehrh. Ex Pers.) Egea & Torrente	Crustose	Spores (22 x 3.3 µm)	Trentepohlia	Bark of old oaks	Europe, N America

* Obtained from:

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