## Table S2. Specimens used in this study with the GenBank accession numbers for the sequences generated for the nrITS and LSUrDNA.

| (a) Location code | 1. *B. zoharyi* sample code | nrITS | | LSU rDNA | |
| --- | --- | --- | --- | --- | --- |
| Nº accession | Identification | Nº accession | Identification |
| ES-IP1 | SA 1-14, 16-20  SA 15 | MW836794  MW836795 | *T. cretacea* | MT458608 | *T. cretacea* |
| ES-IP2 | MT 1-3, 5-7, 10, 12-15, 22-30  MT 9, 21 | MW836789  MW836797 | *T. cretacea* | MT458608 | *T. cretacea* |
| MT 4  MT 8 | MW836804  MW836805 | *T. asymmetrica* | MT458609 | *T. asymmetrica* |
| MT 25  MT 27 | MW829751  MW829752 | *Trebouxia sp.* OTUA25 | MW836800 | *Trebouxia sp.* OTUA25 |
| ES-IP3 | MF 1, 2, 4, 6-11, 13, 17, 19, 20, 22, 23 | MW836797 | *T. cretacea* | MT458608 | *T. cretacea* |
| MF 3, 16 | MW836789 |
| MF 5 | MW829753 | *Trebouxia sp. OTUA25* | MW836800 | *Trebouxia sp.* OTUA25 |
| ES-IP4 | AT 1, 7-10  AT 2, 13, 18 20  AT 3, 14-19  AT 5 | MW836789  MW836793  MW836797  MW836798 | *T. cretacea* | MT458608 | *T. cretacea* |
| AT 4  AT 6  AT 11, 12 | MW836802  MW836803  MW836801 | *T. asymmetrica* | MT458609 | *T. asymmetrica* |
| ES-IP5 | AS 1-8, 11-20  AS 9  AS 10 | MW836793  MW836789  MW836797 | *T. cretacea* | MT458608 | *T. cretacea* |
| ES-IP6 | GR 1,  GR 3, 4 | MW836799  MW836797 | *T. cretacea* | MT458608 | *T. cretacea* |
| ES-BI1 | MJ 1-6  MJ 7 | MT458614  MT458616 | *T. asymmetrica* | MT458609 | *T. asymmetrica* |
| ES-BI2 | IB 2, 3, 5, 9, 10 | MW836789 | *T. cretacea* | MT458608 | *T. cretacea* |
| IB 4, CO 1-3 | MT458617 | *T. asymmetrica* | MT458609 | *T. asymmetrica* |
| IB 1, 6-8 | MW829754 | *Trebouxia sp.* OTUA25 | MW836800 | *Trebouxia sp.* OTUA25 |
| ES-BI3 | FO 1-3 | MW836792 | *T. cretacea* | MT458608 | *T. cretacea* |
| FO 4 | MW829755 | *Trebouxia sp.* OTUA25 | MW836800 | *Trebouxia sp.* OTUA25 |
| MA1 | MN 3-5 | MW836797 | *T. cretacea* | MT458608 | *T. cretacea* |
| MA2 | MS 1, 6  MS 5-7 | MW836789  MW836797 | *T. cretacea* | MT458608 | *T. cretacea* |
| MA3 | MA 1, 2 | MW836791 | *T. cretacea* | MT458608 | *T. cretacea* |
| AZ | AZ 1 | MW836789 | *T. cretacea* | MT458608 | *T. cretacea* |
| CY | CY 1, 4 | MW836789 | *T. cretacea* | MT458608 | *T. cretacea* |
| IL | NE 1 | MW836789 | *T. cretacea* | MT458608 | *T. cretacea* |
| LY | LI 1  LI 2 | MW836789  MW829754 | *T. cretacea*  *Trebouxia sp.* OTUA25 | MT458608  MW836800 | *T. cretacea*  *Trebouxia sp.* OTUA25 |
| GR | CR 1-2 | MW836796 | *T. cretacea* | MT458608 | *T. cretacea* |
| IR | IR 1, 2, 4  IR 3 | MW836789  MW836790 | *T. cretacea* | MT458608 | *T. cretacea* |
| IR 5 | MW829754 | *Trebouxia sp.* OTUA25 | MW836800 | *Trebouxia sp.* OTUA25 |