**Table S1** Accession information and geographic location of *B. lucorum* complex specimens utilised in the molecular and morphological analyses. Additional information for each specimen has been linked to the BOLD ID and deposited in the BOLD database. Abbreviations used: NBG: National Botanic Gardens (Dublin); NHM: Natural History Museum (London); TCD: Trinity College Dublin; UT: University of Turku (Finland).

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| --- | --- | --- | --- | --- | --- |
| **Taxona** | **Project ID** | **BOLD ID** | **GenBank Acc. No.** | **Locality** | **Reference Collection** |
| *B. cryptarum* | T698 | JCLUC001-11 | JN872587 | Powerscourt, Ireland | TCD |
|  | T707 | JCLUC002-11 | JN872586 | Clara, Ireland | TCD |
|  | T708 | JCLUC003-11 | JN872585 | Clara, Ireland | TCD |
|  | T709 | JCLUC004-11 | JN872584 | Powerscourt, Ireland | TCD |
|  | T723 | JCLUC005-11 | JN872583 | Gram Storskov, Denmark | NHM |
|  | T724 | JCLUC006-11 | JN872582 | Holstebro, Denmark | NHM |
|  | T725 | JCLUC007-11 | JN872581 | Isbjerg, Denmark | NHM |
|  | T726 | JCLUC008-11 | JN872580 | Stubbergaard Sø, Denmark | NHM |
|  | T727 | JCLUC009-11 | JN872579 | Stubbergaard Sø, Denmark | NHM |
|  | T766 | JCLUC010-11 | JN872578 | Powerscourt, Ireland | TCD |
|  | T768 | JCLUC011-11 | JN872577 | NBG, Ireland | TCD |
|  | T772 | JCLUC012-11 | JN872576 | Queenamidda, Orkney | NHM |
|  | T773 | JCLUC013-11 | JN872575 | Queenamidda, Orkney | NHM |
|  | T780 | JCLUC014-11 | JN872574 | Kippure, Ireland | TCD |
|  | T790 | JCLUC015-11 | JN872573 | Burray, Orkney Islands | NHM |
|  | T793 | JCLUC016-11 | JN872572 | Firth, Orkney Islands | NHM |
|  | T794 | JCLUC017-11 | JN872571 | Hardhill, Orkney Islands | NHM |
|  | T795 | JCLUC018-11 | JN872570 | St. Ola, Orkney Islands | NHM |
|  | T796 | JCLUC019-11 | JN872569 | Eday, Orkney Islands | NHM |
|  | T873 | JCLUC020-11 | JN872568 | Littoinen, Finland | UT |
|  | T876 | JCLUC021-11 | JN872567 | Houtskar, Finland | UT |
|  | T883 | JCLUC022-11 | JN872566 | Parainen, Finland | UT |
| *B. magnus* | T702 | JCLUC023-11 | JN872632 | Kippure, Ireland | TCD |
|  | T706 | JCLUC024-11 | JN872631 | Clara, Ireland | TCD |
|  | T710 | JCLUC025-11 | JN872630 | Kippure, Ireland | TCD |
|  | T712 | JCLUC026-11 | JN872629 | Powerscourt, Ireland | TCD |
|  | T713 | JCLUC027-11 | JN872628 | Kippure, Ireland | TCD |
|  | T714 | JCLUC028-11 | JN872627 | Killarney, Ireland | TCD |
|  | T715 | JCLUC029-11 | JN872626 | Killarney, Ireland | TCD |
|  | T717 | JCLUC030-11 | JN872625 | Killarney, Ireland | TCD |
|  | T733 | JCLUC031-11 | JN872624 | Randbøl Hede, Denmark | NHM |
|  | T734 | JCLUC032-11 | JN872623 | Vangså, Denmark | NHM |
|  | T735 | JCLUC033-11 | JN872622 | Holstebro, Denmark | NHM |
|  | T736 | JCLUC034-11 | JN872621 | Isbjerg, Denmark | NHM |
|  | T737 | JCLUC035-11 | JN872620 | Randbøl Hede, Denmark | NHM |
|  | T762 | JCLUC036-11 | JN872619 | Powerscourt, Ireland | TCD |
|  | T763 | JCLUC037-11 | JN872618 | Powerscourt, Ireland | TCD |
|  | T764 | JCLUC038-11 | JN872617 | Bahana Woods, Ireland | TCD |
|  | T765 | JCLUC039-11 | JN872616 | Killarney, Ireland | TCD |
|  | T769 | JCLUC040-11 | JN872615 | Killarney, Ireland | TCD |
|  | T770 | JCLUC041-11 | JN872614 | Powerscourt, Ireland | TCD |
|  | T771 | JCLUC042-11 | JN872613 | Killarney, Ireland | TCD |
|  | T781 | JCLUC043-11 | JN872612 | Killarney, Ireland | TCD |
|  | T782 | JCLUC044-11 | JN872611 | Killarney, Ireland | TCD |
|  | T783 | JCLUC045-11 | JN872610 | Powerscourt, Ireland | TCD |
|  | T784 | JCLUC046-11 | JN872609 | Powerscourt, Ireland | TCD |
|  | T785 | JCLUC047-11 | JN872608 | Killarney, Ireland | TCD |
|  | T788 | JCLUC048-11 | JN872607 | Kippure, Ireland | TCD |
|  | T789 | JCLUC049-11 | JN872606 | Powerscourt, Ireland | TCD |
| *B. lucorum* | T690 | JCLUC050-11 | JN872605 | Powerscourt, Ireland | TCD |
|  | T691 | JCLUC051-11 | JN872604 | Clara, Ireland | TCD |
|  | T692 | JCLUC052-11 | JN872603 | Killarney, Ireland | TCD |
|  | T716 | JCLUC053-11 | JN872602 | Powerscourt, Ireland | TCD |
|  | T718 | JCLUC054-11 | JN872601 | Powerscourt, Ireland | TCD |
|  | T728 | JCLUC055-11 | JN872600 | Stubbergaard Sø, Denmark | NHM |
|  | T729 | JCLUC056-11 | JN872599 | Holstebro, Denmark | NHM |
|  | T730 | JCLUC057-11 | JN872598 | Eshøj Plantage, Denmark | NHM |
|  | T731 | JCLUC058-11 | JN872597 | Gram Storskov, Denmark | NHM |
|  | T767 | JCLUC059-11 | JN872596 | NBG, Ireland | TCD |
|  | T787 | JCLUC060-11 | JN872595 | Killarney, Ireland | TCD |
|  | T791 | JCLUC061-11 | JN872594 | Netherborough, Orkney Islands | NHM |
|  | T792 | JCLUC062-11 | JN872593 | Burray, Orkney Islands | NHM |
|  | T875 | JCLUC063-11 | JN872592 | Houtskar, Finland | UT |
|  | T880 | JCLUC064-11 | JN872591 | Turku, Finland | UT |
|  | T887 | JCLUC065-11 | JN872590 | Pesa, Finland | UT |
|  | T904 | JCLUC066-11 | JN872589 | Naantali, Finland | UT |
|  | T909 | JCLUC067-11 | JN872588 | Kultaranta, Finland | UT |

a Species identification based on COI sequence analysis