

Appendix1. Data of the sequenced specimens

| <i>Species</i> | <i>Locality</i> | <i>Reference</i> | <i>Accession No.</i> |
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| <i>Allolobophora sturanyi dacica</i> | Hungary, Mezöhegyes. | HNHM/15439 | KX009563 |
| <i>Allolobophora sturanyi dacica</i> | Romania, Arad county, Lipova area, forest reserve above a flood control dam. | - | GU013841 |
| <i>Allolobophora sturanyi dacica</i> | Romania, Transylvania, Micestii de Campie. | HNHM/16174 | KX009564 |
| <i>Allolobophora sturanyi biharica</i> | Romania, Apuseni Mts. Curcubăta Mare. | HNHM/17132 | KX009568 |
| <i>Allolobophora sturanyi dacidoides</i> | Romania, Maramures county, Rodnei Mts. | HNHM/15348 | KX009570 |
| <i>Allolobophora sturanyi dacidoides</i> | Romania, Maramures, Oaş Mts. | HNHM/15360 | KX009569 |
| <i>Allolobophora sturanyi sturanyi</i> | Croatia, Dinara Mts. | HNHM/15842 | KX009567 |
| <i>Allolobophora gestroides</i> | Hungary, Szendehegy. | HNHM/15566 | KX009565 |
| <i>Allolobophora zicsica</i> | Romania, Săcuieu, Vf. Bogdanului. | HNHM/16910 | KX009566 |
| <i>Allolobophora robusta</i> | Romania, Caras-Severin County, North of Baile Herculane on slopes above Cerna river. | - | GU014207 |
| <i>Allolobophora mehadiensis</i> | Romania, Arad county, Lipova area, forest reserve above a flood control dam. | - | GU014214 |
| <i>Cernosvitovia opisthocystis</i> | Romania, Caras-Severin County, North of Baile Herculane, on slopes above Bedina river. | ICB386 | KX009580 |
| <i>Allolobophora chlorotica</i> | Switzerland, Zolikoffen, garden. | - | AM774287 |
| <i>Allolobophora chlorotica</i> | Switzerland, Zolikoffen, garden. | - | AM774288 |
| <i>Helodrilus kratochvili</i> | Žira Cave, Bosnia and Herzegovina. | HNHM/16960 | KX009573 |
| <i>Helodrilus mozsaryorum</i> | Hungary, Aggteleki Cave. | HNHM/16134 | KX009571 |
| <i>Helodrilus patriarchalis</i> | Turkey, | HNHM/16931 | KX009572 |
| <i>Helodrilus patriarchalis</i> | Turkey, | HNHM/16537 | KX009574 |
| <i>Proctodrilus tuberculatus</i> | Hungary, Szentmargitfalva. | HNHM/16416 | KX009577 |
| <i>Proctodrilus tuberculatus</i> | Cyprus | HNHM/16514 | KX009575 |
| <i>Proctodrilus thaleri</i> | Romania, Oltenia, near Runcu, beech forest. | HNHM/16197 | KX009576 |
| <i>Aporrectodea caliginosa</i> | Russia, Orenburg oblast. | - | KF472015 |
| <i>Aporrectodea caliginosa</i> | France: Seine Maritime, Mont Saint Aignan, Prairie Bois du Cotillet. | - | JQ908828 |
| <i>Aporrectodea longa</i> | | - | FN868546 |
| <i>Aporrectodea longa</i> | | - | FN868540 |
| <i>Aporrectodea molleri</i> | Portugal, Azores, St. Marie. | ICB445 | KX009579 |
| <i>Aporrectodea dubiosa</i> | Romania, Danube delta, Sulina. | ICB374 | KX009578 |