**Supplementary material, Table S2.** Full data and GenBank accession numbers for all specimens used in the molecular analysis. Note that codes in the format “LEW\_000” represent author sample codes.

*Ellescus bipunctatus*: **LEW\_69**: **OP215778** (GenBank *CO*1 accession number): **OP218943** (GenBank *ITS*2 accession number): CANADA, Quebec, Cantley, 45.591726° N, 75.784856° W, 17 May 2020, J.H. Lewis, CMNC.

*Ellescus bipunctatus*: **LEW\_71**: **OP215779** (GenBank *CO*1 accession number): **OP218944** (GenBank *ITS*2 accession number): CANADA, Quebec, near Ch. Holmes (Cantley), 45.598843° N, 75.798396° W, on female *Salix* catkins, J.H. Lewis, CMNC.

*Ellescus bipunctatus*: **LEW\_90**: **OP215780** (GenBank *CO*1 accession number): **OP218948** (GenBank *ITS*2 accession number): CANADA, Quebec, Mont Cascades ski hill (Gatineau), 45.588793° N, 75.845822° W, 13 May 2021, J.H. Lewis, beaten of *Salix* sp., CMNC.

*Ellescus bipunctatus*: **LEW\_95**: **OP215781** (GenBank *CO*1 accession number): **OP218950** (GenBank *ITS*2 accession number): SLOVAKIA, Čačín, Bystrická vrchovina hills, 48.671667° N (original label 48° 40.3' N), 19.256667° E (original label 19° 15.4' E), 6 July 2020, Michael Košťál, CMNC.

*Ellescus bipunctatus*: **LEW\_97**: **OP215782** (GenBank *CO*1 accession number): **OP218951** (GenBank *ITS*2 accession number): SLOVAKIA, Čačín, Bystrická vrchovina hills, 48.671667° N (original label 48° 40.3' N), 19.256667° E (original label 19° 15.4' E), 6 July 2020, Michael Košťál, CMNC.

*Ellescus bipunctatus*: **LEW\_104**: **OP218952** (GenBank *ITS*2 accession number): U.S.A., Indiana, Morgan Co., 14 July–7 August 2012, Kyle E. Schnepp, Malaise Trap, CMNC.

*Ellescus bipunctatus*: **LEW\_118**: **OP215783** (GenBank *CO*1 accession number): CANADA, Quebec, Boucher Forest (Gatineau), 45.427673° N, 75.823561° W, 2 May 2021, J.H. Lewis, beaten from *Populus tremuloides* (Michaux) female catkins, CMNC.

*Ellescus bipunctatus*: **LEW\_135**: **OP215784** (GenBank *CO*1 accession number): **OP218954** (GenBank *ITS*2 accession number): CANADA, Quebec, Cantley, 45.59468° N, 75.794389° W, 24 April 2021, J.H. Lewis, beaten of *Salix* sp., CMNC.

*Ellescus bipunctatus*: **BIOUG35446-H11** (BOLD sample ID): **ELPCH211-17** (BOLD sequence ID): CANADA, Ontario, Hartington, Eel Lake–South Frontenac, 44.563° N, 76.5522° W, 6 September 2017, Jeremy deWaard, CBG.

*Ellescus bipunctatus*: **BIOUG35442-G10** (BOLD sample ID): **ELPCG9470-17** (BOLD sequence ID): CANADA, Ontario, Hartington, Eel Lake–South Frontenac, 44.5645, 76.5516, 25 July–8 August 2017, Gergin Blagoev, CBG.

*Ellescus bipunctatus*: **ZMUO.004794** (BOLD sample ID): **KJ962308** (GenBank *CO*1 accession number): FINLAND, Espoo, Vanttila, 60.1829° N, 24.6157° E, 6 August 2012, Eero Helve, ZMUO.

*Ellescus bipunctatus:* **ZMUO.016797** (BOLD sample ID): **COLFH362-14** (BOLD sequence ID): FINLAND, Kuusamo, Aroniemi, 66.2741° N, 29.7033° E, 14 June 2014, Mikko Pentinsaari, ZMUO.

*Ellescus bipunctatus*: **ZMUO.016798** (BOLD sample ID): **COLFH363-14** (BOLD sequence ID): FINLAND, Kuusamo, Aroniemi, 66.2741° N, 29.7033° E, 14 June 2014, Mikko Pentinsaari, ZMUO.

*Ellescus ephippiatus:* **BIOUG02273-E11** (BOLD sample ID): **BBCCA2871-12** (BOLD sequence ID): U.S.A. Arizona, Yavapai, Dead Horse Ranch State Park, Verde River near bridge, 34.7502° N, 112.0217° W, 5 June 2011, CBG.

*Ellescus ephippiatus*: **BIOUG05652-F10** (BOLD sample ID): **SMTPB14415-13** (BOLD sequence ID): CANADA, Ontario, Kitchener, Huron Heights Secondary School, 43.3924° N, 80.4663° W, 22 April–3 May 2013, Chris Roth, CBG.

*Ellescus ephippiatus*: **BIOUG17638-A05** (BOLD sample ID): **CNWAA700-14** (BOLD sequence ID): CANADA, Manitoba, Wapusk National Park, 58.7231° N, 93.4597° W, 15–22 June 2014, D. IIes, CBG.

*Ellescus ephippiatus*: **BIOUG13533-G06** (BOLD sample ID): **SSROB2985-14** (BOLD sequence ID): CANADA, Ontario, Rouge National Urban Park, west of Glen Rouge campground, 43.804° N, 79.1455° W, 7 June 2013, CBG.

*Ellescus ephippiatus*: **CNCCA2385-12**: **CNC COLEO DNA 00157036 (**BOLD sample ID): CANADA, Saskatchewan, Township 8, Region 29, 23 June 1990, B.F. and J.L. Carr, CNCI.

*Ellescus ephippiatus*: **CNCCA2386-12**: **CNC COLEO DNA 00157037 (**BOLD sample ID): CANADA, Saskatchewan, Township 6, Region 28, 23 June 1990, B.F. and J.L. Carr, CNCI.

*Ellescus ephippiatus*: **CNCCA2387-12**: **CNC COLEO DNA 00157038 (**BOLD sample ID): CANADA, Alberta, Edmonton, 27 May 1985, B.F. and J.L. Carr, CNCI.

*Ellescus ephippiatus*: **CNCCA2388-12**: **CNC** **COLEO DNA 00157039 (**BOLD sample ID): CANADA, Yukon, Tatchun Creek, 25 June 1979, B.F. and J.L. Carr, CNCI.

*Ellescus ephippiatus*: **CNCCA2389-12**: **CNC COLEO DNA 00157040 (**BOLD sample ID): CANADA, Yukon, Hwy 2, 22 mi. N of Hwy 1, 25 June 1979, B.F. and J.L. Carr, CNCI.

*Ellescus ephippiatus:* **LEW\_74**: **OP215785** (GenBank *CO*1 accession number): **OP218945** (GenBank *ITS*2 accession number): U.S.A., Florida, Alachua Co., Gainesville NATI, 23 March 2016, Kyle E. Schnepp, beaten off *Salix* sp., CMNC.

*Ellescus ephippiatus*: **LEW\_77**: **OP215786** (GenBank *CO*1 accession number): **OP765915** (GenBank *ITS*2 accession number): U.S.A., Alaska, Nogahabara Dunes [Koyukuk NWR], 65.65846° N, 157.49608° W, 13 June 2010, J.A. Slowik, willow sweep, UAM, UAM100327118.

*Ellescus ephippiatus*: **LEW\_78**: **OP215787** (GenBank *CO*1 accession number): **OP218946** (GenBank *ITS*2 accession number): U.S.A., Alaska, Selawik NWR, 66.85873° N, 158.16618° W, 24 June 2010, D.S. Sikes, open sand dunes, sweep, UAM, UAM100283481.

*Ellescus ephippiatus*: **LEW\_79**: **OP215788** (GenBank *CO*1 accession number): **OP218947** (GenBank *ITS*2 accession number): U.S.A., Alaska, Selawik NWR, 66.85873° N, 158.16618° W, 24 June 2010, D.S. Sikes, open sand dunes, sweep, UAM, UAM100283520.

*Ellescus ephippiatus*: **LEW\_109**: **OP215789** (GenBank *CO*1 accession number): **OP218953** (GenBank *ITS*2 accession number): U.S.A., Louisiana, Vermillion Par. White Lake Research Station, 29.919017° N (original label 29° 55' 08.5" N), 92.513833° W (original label 92° 30' 49.8" W), 20 March 2009, M. Gimmel, UV light, LSAM.

*Ellescus michaeli*: **LEW\_67**: **OP215790** (GenBank *CO*1 accession number): **OP765914** (GenBank *ITS*2 accession number): CANADA, Cantley, 45.591708° N, 75.784886° W, 22 May 2020, on Salix female catkins, J.H. Lewis, CMNC.

*Ellescus michaeli*: **LEW\_68**: **OP215791** (GenBank *CO*1 accession number): **OP218942** (GenBank *ITS*2 accession number): CANADA, Cantley, 45.591708° N, 75.784886° W, 22 May 2020, on Salix female catkins, J.H. Lewis, CMNC.

*Ellescus* *michaeli*: **LEW\_70**: **OP215792** (GenBank *CO*1 accession number): CANADA, Quebec, across road from 1740 Pink Road (Gatineau), 45.441961° N, 75.811547° W, 10 May 2020, on female *Salix* catkins, J.H. Lewis, CMNC.

*Ellescus michaeli*: **LEW\_130**: **OP215793** (GenBank *CO*1 accession number): CANADA, Quebec, Cantley, 45.591637° N, 75.785395° W, 23 April 2021, J.H. Lewis, beaten off Salix sp., CMNC.

*Ellescus* *michaeli*: **LEW\_145**: **OP215794** (GenBank *CO*1 accession number): **OP218955** (GenBank *ITS*2 accession number): CANADA, Ontario, Mer Bleue Bog, 45.3973° N, 75.5144° W, 13 May 2021, R. Anderson, beaten off *Salix* sp., CMNC.

*Ellescus* *michaeli*: **LEW\_146**: **OP215795** (GenBank *CO*1 accession number): CANADA, Ontario, Mer Bleue Bog, 45.3973° N, 75.5144° W, 13 May 2021, R. Anderson, beaten off *Salix* sp., CMNC.

*Ellescus* *michaeli*: **LEW\_147**: **OP218956** (GenBank *ITS*2 accession number): CANADA, Ontario, Mer Bleue Bog, 45.3973° N, 75.5144° W, 13 May 2021, R. Anderson, beaten off *Salix* sp., CMNC.

*Ellescus* *michaeli*: **LEW\_148**: **OP215796** (GenBank *CO*1 accession number): **OP218957** (GenBank *ITS*2 accession number): CANADA, Ontario, Mer Bleue Bog, 45.3973° N, 75.5144° W, 13 May 2021, R. Anderson, beaten off *Salix* sp., CMNC.

*Ellescus* *michaeli*: **LEW\_149**: **OP215797** (GenBank *CO*1 accession number): CANADA, Ontario, Mer Bleue Bog, 45.3973° N, 75.5144° W, 13 May 2021, R. Anderson, beaten off *Salix* sp., CMNC.

*Ellescus scanicus:* **LEW\_91**: **OP215798** (GenBank *CO*1 accession number): **OP218949** (GenBank *ITS*2 accession number): SLOVAKIA, Podunajská nížina, Šoporňa, 48.240000° N (original label 48° 14.4'), 17.811667° E (original label 17° 48.7'), 5 January 2021, Michael Košťál, sift under *Populus alba*, CMNC.

*Ellescus scanicus*: **ZMUO.005338** (BOLD sample ID): **KJ964000** (GenBank *CO*1 accession number): Finland, Kirkkonummi 6678:3369 Sundsberg, 21 May 2012, Mikko Tiusanen, ZMUO.