

### Supplementary Materials S3

Specimen records for previously described species reported below were extracted from a database with individual records sorted in ascending order according to latitude; thus recorded localities follow from north to south along the length of New Caledonia. The entire record for each specimen series is presented, including the following fields: primary locality, secondary locality, elevation (m), method of collecting or microhabitat, latitude (degree, decimal minute), longitude (degree, decimal minute), date, month, year, collector(s), institutional collection, no. of specimens in series, Queensland Museum lot no., if relevant). Specimens not labeled for locality—principally Chaudoir or Fauvel specimens in the Muséum national d'Histoire naturelle, Paris (MNHN) or Institut royal des Sciences naturelle de Belgique, Bruxelles (IRSN)—are presented first under each species. Label data for holotype and lectotype specimens are included here for completeness, with holotype and lectotype labels presented verbatim in the species' treatments. Where locality names differed among variously labeled specimens, the standardized name used by Google Earth (2015) was used. Where locality names on labels are similar to a standard name, though ambiguously so, the standardized name is bracketed while preceded by an equals sign and followed by a question mark. Reported latitude and longitude were transcribed directly from the specimen labels when included there, or derived from Google Earth when not provided by the collector. Institutional codens are presented in Acknowledgements. The sequence of species follows that of key and descriptions.

#### *Cyphocoleus heterogenus* Chaudoir

NEW CALEDONIA: Ex Musæo Mniszech (MNHN, 1); [Holotype male] Ex Musæo Chaudoir (MNHN, 1); Mt. Ignambi, 20°28'S 164°36'E, 8-viii-1911, Sarasin & Roux (NHMB, 1; SMTD, 1); Aoupinié, top camp, 850 m el., hand collecting, 21°11'S 165°19'E, 2-3-xi-2001, Burwell & Monteith (QMB, 8; lot no. 8715); Me Maoya camp, 1150 m el., night collecting, 21°22'S 165°20'E, 11-12-xi-2002, Burwell, Monteith & Wright (QMB, 1; lot no. 11159); Col d'Amieu, Forest Station, 400 m el., 21°35'S 165°50'E, 8-9-v-1984, Monteith & Cook (QMB, 2); Col d'Amieu, west slope, 470 m el., pyrethrum trees & logs, 21°37'S 165°49'E, 25-xi-2003, Monteith (QMB, 3; lot no. 11427), pyrethrum log w/o epiphytes, 21°37'S 165°49'E 27-i-2004, Monteith (QMB, 6; lot no. 11516); La Foa, rotten log, 21°43'S 165°49'E, 6-xi-1944, J. C. Herron (MSUC, 1); Ningua Res., near summit, 1300 m el., ex Freycinetia axils, 21°45'S 166°09'E, 13-xi-2001, Burwell & Monteith (QMB, 1; lot no. 8644); Mt. Koghi, 600 m el., headlamp, 22°10.7'S 166°30.4'E, 12-iii-2007, Will (EMEC, 1); Mt. Koghi, sous pierres bord d'un vieux arbre, 22°10'S 166°31'E, Savés (IRSN, 1), 500 m el., pyrethrum trunks & logs, 22°11'S 166°31'E, 22-xi-2000, Monteith (QMB, 1; lot no. 9931); Yahoué, 22°13'S 166°29'E, 22-iii-1966, Cochereau (ANIC, 5); Yahoué, 22°13'S 166°29'E, 23-ix-1966, Cochereau (CAS, 5); Forêt de Thi Reserve, 150 m el., 22°13'S 166°32'E, 21-v-1984, Monteith & Cook (QMB, 2).

#### *Cyphocoleus ovicollis* Fauvel

NEW CALEDONIA: Ourail [from Fauvel description = Bourail?] [Holotype male], 21°34'S 165°30'E, Ex Musæo Mniszech (MNHN, 1); Col d'Amieu, west slope, 470 m el., pyrethrum trees & logs, 21°37'S 165°49'E, 14-xi-2002, Burwell & Monteith (QMB, 1; lot no. 11179), pyrethrum logs, 21°37'S 165°49'E, 17-xi-2002, Monteith (QMB, 1; lot no. 11180), pyrethrum log w/o epiphytes, 21°37'S 165°49'E, 27-i-2004, Monteith (QMB, 2; lot no. 11516); La Foa, 21°43'S 165°49'E, 6-xi-1944, Herron (MSUC, 2); Mt. Do, summit, 1000 m el., pyrethrum trunks & logs, 21°45'S 166°00'E, 21-xi-2000, Monteith (QMB, 1;

QMB, 1; lot no. (QMB, 1; lot no. 9921); Ningua Res., camp, 1100 m el., hand collecting, 21°45'S 166°09'E, 12-13-xi-2001, Burwell & Monteith (QMB, 5; lot no. 8641), Malaise trap, 27-xi-2003-29-i-2004, Burwell & Monteith (QMB, 1; lot no. 8896), flight intercept trap, 27-xi-2003-29-i-2004, Monteith (QMB, 6; lot no. 8895).

*Cyphocoleus miricollis* Fauvel

NEW CALEDONIA: Mt. Mou [Lectotype male], 22°04'S 166°21'E, Deplanche (IRSN, 1); Forêt Nord, site 1, 480 m el., 22°19'S 166°55'E, 22-xii-2004, Monteith (QMB, 1; lot no. 12075).

*Cyphocoleus mirabilis* (Park & Will)

NEW CALEDONIA: Col d'Amieu west slope 470 pyrethrum trees & logs, 21°37'S 165°49'E, 29-xi-2004, Monteith(QMB, 1; lot no. 11667); [Holotype male]Ningua Res. Camp, 1100 m el., pyrethrum trees & logs, 21°45'S 166°09'E, 12-13-xi-2001, Burwell/Monteith(QMB, 1; lot no. 8639); Ningua Res. Camp, 1100 n el, pyrethrum trees & logs, 21°45'S 166°09'E, 12-13-xi-2001 Burwell/Monteith(MNHN,1; QM lot no. 8639); Ningua Res. Camp 1100 pyrethrum tree trunks, 21°45'S 166°09'E, 29-i-2002, Monteith(QMB, 1; lot no. 8897); Mt. Koghis, 500 m el., montane forest, 22°10'S 166°31'E, 22-24-v-1987, Platnick, Raven (MNHN, 1); Mts. Koghi, 480 m el., fogged log, 22°10.7'S 166°30.3'E, 24-x-2008, Wanat (MNHW,2); Rivière des Pirogues, headwaters, 350-400 m el., 22°19'S 166°44'E, 22-vi-1984, Monteith/Cook(QMB,1).

*Cyphocoleus moorei* (Park & Will)

NEW CALEDONIA: E of Table Unio, RPS (Sarraméa to Canala rd.), 390 m el., leaf litter, NC053, 21°33.82'S 165°45.62'E, 17-iii-2007, Leschen (EMEC, 1); Col d'Amieu west slope, 470 m el., pyrethrum trees & logs, 21°37'S 165°49'E, 25-xi-2003, Monteith (QMB, 1; lot no. 11427); [Holotype male] Ningua Reserve Camp, 1100 m el, pyrethrum trees & logs, 21°45'S 166°09'E 12-13-xi-2001, Burwell/Monteith (MNHN, 1; QM lot no. 8639); Ningua nr. summit, rainforest, 1300 m el., Berlesate sifted litter, 21°45'S 166°09'E 13-xi-2001, Monteith (QMB, 1; lot no. 1052).

*Cyphocoleus cychroides* Chaudoir

NEW CALEDONIA: [Lectotype female] Musæo Chaudoir (MNHN, 1); Col d'Amoss, 2 km E, rainforest, 550 m el., pyrethrum trees & logs, 20°18'S 164°26'E, 14-xii-2004, Monteith (QMB, 1; lot no. 11938); Mandjélia, above Pouébo, 750 m el., 20°24'S 164°32'E, 11-13-v-1984, Monteith & Cook (ANIC, 1; QMB, 1); Mandjélia, above Pouébo, 600-750 m el., 20°24'S 164°32'E, 11-13-v-1984, Monteith & Cook (QMB, 3); Mandjélia subsummit, 700 m el., pyrethrum trees & logs, 20°24'S 164°32'E, 6-7-xi-2001, Monteith (QMB, 5; lot no. 8754); Mandjélia summit, 750 m el., pyrethrum trees & logs, 20°24'S 164°32'E, 6-7-xi-2001, Burwell & Monteith (QMB, 17; lot no. 8748), 29-xi-2003, Monteith (QMB, 1; lot no. 11446); Mt. Ignambi, 640 m el., 20°28'S 164°36'E, Montague (BMNH, 1); Mt. Panié, 20°32'S 164°44'E, Montague (BMNH, 1), Wald, 500 m el., 27-vi-1911, Sarasin & Roux (NHMB, 1; SMTD, 1); Mt. Panié, 20°32'S 164°44'E, 1914, Montague (MCZ, 1); Mt. Panié, fogging logs, 20°34'S 164°46'E 22-iii-2007, Buckley, Leschen & Hoare (NZAC, 5); Hienghene, 20°41'S 164°57'E, Montague (BMNH, 1), 10-150 m el., 14-17-viii-1979, Nishida (BPBM, 1); Touho TV tower, rainforest, 400 m el., pyrethrum trees & logs, 20°48'S 165°13'E, 28-xi-2003, Monteith (QMB, 1; lot no. 11439), 30-i-2004, Monteith (QMB, 8; lot no. 11507); Tiouaka Tal [= Tiwaka?], 500 m el., 20°53'S 165°13'E, 23-viii-1911, Sarasin &

Roux (SMTD, 1); Ateou, NNE of Kone, 700 m el., pyrethrum trees & logs, 20°57'S 164°54'E, 27-xi-2001, Monteith (QMB, 3; lot no. 8700); Pic d'Amoa, N slopes, 500 m el., hand collect, 20°58'S 165°17'E, 24-xi-2001, G. & S. Monteith (QMB, 1; lot no. 8686); Pic d'Amoa summit, 600 m el., pyrethrum trees & logs, 20°58'S 165°17'E, 24-xi-2001, Monteith (QMB, 3; lot no. 8691); Pic d'Amoa, N slopes, 500 m el., hand collect, 20°58'S 165°17'E 10–11-xi-2001, Burwell & Monteith (QMB, 2; lot no. 8687), pyrethrum trees & logs, 31-i-2002, Monteith (QMB, 8; lot no. 8906), rainforest, 500 m el., pyrethrum trees & logs, 26-xi-2003, Monteith (QMB, 5; lot no. 11433); Aoupinié refuge, 400 m el., 21° 08.9'S 165° 19.4'E, 20-xi-2010, Ruta/Wanat (MNH, 7); Aoupinié, 20km NE, Poya, 650 m el., 21°11'S 165°19'E, 18–19-v-1984, Monteith & Cook (ANIC, 1); Kanala, 21°32'S 165°58'E, 1-vii-1914, Montague (BMNH, 1).

*Cyphocoleus latipennis* Fauvel

NEW CALEDONIA: (MNHN, 2); Lésalenc (MNHN, 1); Musæo Mniszech (MNHN, 1); Pam, 20°15'S 164°18'E (MNHN, 7); Mandjélia, above Pouébo, 600-750 m el., 20°24'S 164°32'E, 11–13-v-1984, Monteith & Cook (QMB, 1); Mandjélia, subsummit, 700 m el., pyrethrum trees & logs, 20°24'S 164°32'E, 6–7-xi-2001 Monteith (QMB, 7; lot no. 8754); Mandjélia, summit, 750 m el., pyrethrum trees & logs, 20°24'S 164°32'E, 6–7-xi-2001, Burwell & Monteith (QMB, 15; lot no. 8748), flight intercept trap, 20°24'S 164°32'E, 29-xi-2003–31-i-2004, Monteith, (QMB, 1; lot no. 11486); Mt. Ignambi, 20°28'S 164°36'E, Sarasin & Roux (NHMB, 1); Mt. Panié, 950 m el., 20°33'S 164°45'E, 16-v-1984, Monteith & Cook (ANIC, 2; QMB, 18), 950–1300 m el., 20°34'S 164°46'E, 14–16-v-1984, Monteith & Cook (QMB, 2); Pic d'Amoa, N slopes, 500 m el., pyrethrum trees & logs, 20°58'S 165°17'E, 30-x-2002, Monteith (QMB, 5; lot no. 8906), rainforest, 26-xi-2003, Monteith (QMB, 1; lot no. 11433); Aoupinié, 20 km NE, Poya, 650 m el., 21°11'S 165°19'E, 18–19-v-1984, Monteith & Cook (QMB, 2); Aoupinié, 850 m el., pyrethrum trunks & logs, 21°11'S 165°19'E, 20-xi-2000, Monteith (QMB, 12; lot no. 9926), 20–21-xi-2000, Bouchard, Burwell & Monteith (QMB, 5; lot no. 9930); Aoupinié, top camp, 850 m el., hand collect, 21°11'S 165°19'E, 2–3-xi-2001, Burwell & Monteith (QMB, 16; lot no. 8715), pyrethrum trees & logs, 21°11'S 165°18'E, 2–3-xi-2001, Burwell & Monteith (QMB, 13; lot no. 8716); Aoupinié, summit, 1000 m el., pyrethrum trees & logs, 21°11'S 165°16'E, 20-xi-2004, Monteith (QMB, 2; lot no. 11665); Aoupinié, fogging logs, 21°11'S 165°17'E, 24-iii-2007, Buckley, Leschen & Hoare (NZAC, 5); Mt. Kanala, 21°34'S 165°56'E (MNHN, 1); Mt. Kanala, 700 m el., 21°34'S 165°56'E, 3-xi-1911, Sarasin & Roux (MNHB, 1); Gelima, 7 km S, 730 m el., hand collecting, 21°36'S 165°58'E, 15-xi-2002, Burwell & Monteith (QMB, 1; lot no. 11190); Plateau de Dogny, trail 245 m el., flood debris, 21°37.8'S 165°52'E, 15-iii-2007, Leschen (EMEC, 1); Col d'Amieu, west slope, 470 m el., pyrethrum trees & logs, 21°37'S 165°49'E, 14-xi-2002, Burwell & Monteith (QMB, 1; lot no. 11179); Ouenarou, 21°43'S 165°51'E, 18-viii-1966, Österreichische NC Exped. (RScC, 2); Mt. Mou [Holotype female], 22°04'S 166°21'E, Deplanche (IRSN, 1); Prony, 22°19'S 166°49'E (MNHN, 1).

*Cyphocoleus cardiopterus* Chaudoir

NEW CALEDONIA: Musæo Mniszech [Lectotype female] (MNHN, 1); Musæo Chaudoir (MNHN, 1); Dzumac Road junction, 950 m el., pyrethrum trees & logs, 22°02'S 166°28'E, 26-i-2004, Monteith (QMB, 1; lot no. 11522); Mt. Mou, 22°04'S 166°21'E, Deplanche (IRSN, 1); Mt. Mou summit, 1200 m el., 22°04'S 166°21'E, 24-v-1984, Monteith & Cook (ANIC, 1; QMB, 1); Mt. Mou, moss forest, 1150 m el., hand collect, night, rain for. 22°04'S 166°21'E, 27-xii-2004, Monteith (QMB, 1; lot no. 11897), moss

forest, 1200 m el., pyrethrum, trees & logs, 22°04'S 166°21'E, 27-xii-2004, Monteith (QMB, 1; lot no. 12018).

*Cyphocoleus globulicollis* Fauvel

NEW CALEDONIA: Aoupinié, 21°11'S 165°19'E, 12-xii-1993, Raven (QMB, 1); Me Maoya, near summit, 1400 m el., 21°22'S 165°20'E, 12-xi-2002, Burwell, Monteith & Wright (QMB, 1; lot no. 11168), pyrethrum trees & logs, 21°22'S 165°20'E, 12-xi-2002, Burwell & Monteith (QMB, 1; lot no. 11163); Me Maoya summit, rainforest, 1400 m el., Berlese sieved litter, 21°22'S 165°20'E, 12-xi-2002, Monteith & Burwell (QMB, 1; lot no. 1080); Me Maoya camp, 1150 m el., night collecting, 21°22'S 165°20'E, 11–12-xi-2002, Burwell, Monteith & Wright (QMB, 5; lot no. 11159), pyrethrum trees & logs, 21°22'S 165°20'E, 11–13-xi-2002, Monteith & Burwell (QMB, 4; lot no. 11158); Col des Roussettes, 450–550 m el., 21°26'S 165°27'E, 4–6-ii-1963, Kuschel (ANIC, 3), 610 m el., 21°26'S 165°27'E, 15-xii-1973, G. & S. Monteith (ANIC, 1), 17-xii-1973, G. & S. Monteith (ANIC, 1); Mt. Kanala, Wald, 800–1000 m el., 21°34'S 165°56'E, 4-xi-1911, Sarasin & Roux (NHMB, 1); Mt. Rembai, top junction, 780 m el., hand collecting, rainforest, 21°35'S 165°51'E, 19-xii-2004, Monteith (QMB, 5; lot no. 12004); Gelima, 7 km S, 730 m el., 21°36'S 165°58'E, 15-xi-2002, Burwell & Monteith (QMB, 1; lot no. 11190); Plateau de Dogny, trail, 870 m el., 21°37.25'S 165°52.5'E, 15-iii-2007, Will (EMEC, 1), litter, 21°37.2'S 165°52.5'E, 15-iii-2007, Leschen & Will (EMEC, 1); Col d'Amieu, west slope, 470 m el., pyrethrum trees & logs, 21°37'S 165°49'E, 12-xi-2002, Monteith (QMB, 1; lot no. 11427), 14-xi-2002, Burwell & Monteith (QMB, 2; lot no. 11179); Mt. Dzumac, 800–1000 m el., 21°45'S 166°00'E, 23-v-1984, Monteith & Cook (ANIC, ; QMB, 5); Mt. Do, summit, 1000 m el., pyrethrum trunks & logs, 21°45'S 166°00'E, 21-xi-2000, Monteith (QMB, 40; lot no. 9919), Bouchard, Burwell & Monteith (QMB, 2; lot no. 9921); Ningua Res., near summit, 1300 m el., pyrethrum trees & logs, 21°45'S 166°09'E, 13-xi-2001, Burwell & Monteith (QMB, 1; lot no. 8645); Ningua Res., camp, 1100 m el., hand collecting, 21°45'S 166°09'E, 12–13-xi-2001, Burwell & Monteith (QMB, 10; lot no. 8641), pyrethrum trees & logs, 12–13-xi-2001, Burwell & Monteith (QMB, 7; lot no. 8639), rainforest, pyrethrum trees & trunks, 29-i-2002, Monteith (QMB, 3; lot no. 8897); Mt. Do, 0.5 [km] below summit, 950 m el., pyrethrum trees & logs, 21°45'S 166°00'E, 22-xi-2003, Monteith (QMB, 5; lot no. 11422); Mt. Do summit, 1000 m el., 21°45'S 166°00'E, 21–22-xi-2003, Monteith (QMB, 1; lot no. 11421), 1000 m el., forest, 21°45'S 166°00'E, 3-xii-2009, Jäch (NMHW, 1), forest below antenna, 1000 m el., pyrethrum fog log, 21°45.2'S 166°00.4'E, 07-xi-2010, Wanat (MNHW, 3); Mt. Humboldt, moss forest, 1400 m el., 21°53'S 166°24'E, 6-xi-2002, Burwell, Monteith & Wright (QMB, 1; lot no. 11142), beyond summit, 1500 m el., 21°53'S 166°25'E, 7-xi-2002, Burwell (QMB, 1; lot no. 11122), 1270 m el., near spring, 21°53'S 166°24'E, 15-ii-2006, Giachino (PMGC, 1); Mt. Ouin, 1100 m el., pyrethrum trees & logs, 22°01'S 166°28'E, 9-xi-2002, Burwell & Monteith (QMB, 1; lot no. 11150); Dzumac Mts., Mt. Ouin Rd. jct., 900 m el., night beating, 22°01.9'S 166°28.0'E, 29-x-2008, Wanat (MNHW, 2); Dzumac Road junction, 950 m el., pyrethrum trees & logs, 22°02'S 166°28'E, 9-xi-2002, Burwell & Monteith (QMB, 2; lot no. 11143), rainforest, hand collecting, 4-xii-2003, Monteith (QMB, 10; lot no. 11455), pyrethrum trees & logs, 22°02'S 166°28'E, 26-i-2004, Monteith (QMB, 3; lot no. 11522); Mt. Dzumac road, 700 m el., pyrethrum trunks & logs, 22°03'S 166°28'E, 1-xii-2000, Monteith (QMB, 3; lot no. 9913), 1-xi-2001, Monteith (QMB, 2; lot no. 8736); Haute Rivière Bleue Trk., La Tranchee Haute, Pourina, 330–560 m el., rainforest, 22°04'S 166°37.4'E, 21-xii-2006, Wanat (MNHW, 1); Mt. Mou [Lectotype male], 22°04'S 166°21'E, Deplanche (IRSN, 1); Mt. Mou summit, 1200 m el., 22°04'S 166°21'E, 24-v-1984, Monteith & Cook (ANIC, 1; QMB, 1); Rivière Bleue, Haute Pourina, 800 m el., pyrethrum trees & logs, 22°06'S 166°38'E, 22-xi-2002,

Monteith (QMB, 2; lot no. 11210); Mt. Koghi, 450–500 m el., rainforest, 22° 10.7'S 166° 30.4'E, 16-xii-2006, Wanat/ Dobosz (MNHW, 1), 700 m el., pyrethrum trees, 22°10'S 166°31'E, 3-xi-2002, Burwell, Monteith & Wright (QMB, 1; lot no. 11091; (QMB, 1; lot. no. 11093); Montagne des Sources, 22°15'S 166°30'E, viii-1950, Krauss (BPBM, 1).

*Cyphocoleus flavipes* Fauvel

NEW CALEDONIA: Musæo Mniszech (MNHN, 1); Fonvary [= Fonwhary?], 21°41'S 165°47'E (MNHN, 2); Yahoué, 22°13'S 166°29'E (MNHN, 2), [Paralectotype male], vi, Savés (IRSN, 1), [Lectotype female], feuilles morte au pied d'arbre, 22°13'S 166°29'E, 08, Savés (IRSN, 1), 22-iii-1966 (ANIC, 1); Nouméa, 22°19'S 166°28'E (IRSN, 1).