**Phylogeny of the *Corynura* group, an endemic southern South American clade sister to all other Augochlorini bees (Hymenoptera: Halictidae), and a revision of *Corynura***

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**Electronic Supplement File 1.** Matrix of morphological characters. Inapplicable states are marked with ‘-’. Polymorphic characters are marked with ‘A’ (0 1), or ‘B’ (1 2). Genera: *C*. = *Corynura*; *Ca.* = *Callistochlora*; *H*. = *Halictillus*.

 000000000111111111122222222223333333333444444444455555555556666666666777777777788888888889999

 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123

*Dieunomia\_nevadensis* 1001111201201010100000201121011100210000101001000003201122000010110130030012120--0000100000-0

*Halictus\_ligatus* 0121101101201010110100201110011A00110001100110000003212022100111110000000001000--1000100000-1

*Lasioglossum\_leucozonium* 0021110101201010110110201022011100100011101111000003101220101110110000000011300--1000000000-0

*Neocorynura\_codion* 012110000110101102011130102001002110000211110110010211102001111111001000001000100120010100110

*Paroxystoglossa\_brachycera* 0121100001200010110000201120010101100002011201210003111111000110111110100010001001200000000-0

*Rhinocorynura\_brunnea* 101021121120101011001122110001002100000210011011000321000200010011001002001021100010200002130

*Thectochlora\_alaris* 012111110120001001011120112000002100000201011120101311112200011011000010001000100120010000130

*C.\_ampliata* 100011113100101012000012101211002011110210A10010111221122201000100001001100000111010110102130

*C.\_apicata* 100011110110011012000012100111110011010210110010111221121101000100001012100011111010110102100

*C.\_bruchiana* 100011110100101112000012100211111011110210110110111221121201000100001001000000111010110002100

*C.\_callaina*\_sp.n. 100010110110001012000012101111102010000210110000110221111101011100021002100000111010110102100

*C.\_challhuacoensis*\_sp.n. 100011110110011012000012101111102010110210110110111221111101011100001011100000111010010102100

*C.\_chilensis* 100011112101011012001100000011110011100210110110110111202201000100021012000000111010110102100

*C.\_chloromelas* 100011111120111012000012101111110011100210110010111221111001000100002001000030111010110002120

*C.\_condita*\_sp.n. 100011111100111012000012101111110010100210110110111221111A01011100001001100030111010110002120

*C.\_corinogaster* 100010113110011112000011001211111011100210110010111211122201000100000002000030111010110102100

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*C.\_herbsti* 100011121110101112000012100111101011101210110010121001122A01000100001001100000111010110102100

*C.\_lepida* 100011110110101012000012101111101010000210110010111221111101000100001001100000111010010100130

*C.\_moscosensis* 100011111110111012000012101111110010100210110110121221111001000100001001100000111010110002120

*C.\_nahuelita*\_sp.n. 100011113100101002000012100111101010000210110120111221112001011100001001000000111010010012130

*C.\_patagonica* 100011110110011012000012100111101011110210110010111221111A01000100001011100000111010010102100

*C.\_rubella* 100011121101101012000012100111101011110210110010121001122201000100001101100000111010110102100

*C.\_spadiciventris* 10001111011000101200001210211110B010010210110110111221111101011100001011100000111010010102100

*Ca.\_aureoviridis* 100011110120011002110020012110102010100200110120111321112000011011000112010010111010210011130

*Ca.\_chloris* 100011110020011002100020012110102010100200110120110220112000011011000112000000111010210011130

*Ca.\_prothysteres* 100011110020011002110020012110102010100200110120110321112000011011000112010000111010210011130

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*H.\_badiclypeus* 1000000001100000110000111021101020010002100211001013221101000111011000120000011100113012000-1

*H.\_peninsularis* 1000000001100000010000111021101020010002100211001013221101000111010000120000011100113012000-1

*H.\_reticulatus* 1000100001100010020000121021111020010002100211101112202110010111010000120000011100113012000-0

*H.\_verissimus* 1000100001100010020000121021111020010002100211101112202110010111010000120000011100113012000-0