**MATERIAL EXAMINED**

*Brachycephalus albolineatus*: state of Santa Catarina: border between the municipalities of *Jaraguá do Sul*, and *Massaranduba*, Morro da Boa Vista MNRJ 90349 (paratype), MHNCI 10295 (Micro-CT specimen).

*Brachycephalus alipioi*: state of Espírito Santo: municipality of *Santa Teresa* MNRJ 25405 (cleared and stained female), 25406–07; municipality of *Vargem Alta*, Fazenda Aoki CFBH 3566–67 (paratypes), MNRJ 26042 (holotype), MNRJ 26044–50, 26052–55 (paratypes), and MNRJ 26043, 26051 (cleared and stained specimens).

*Brachycephalus bufonoides*: state of Rio de Janeiro: municipality of *Nova Friburgo*: MZUSP (paralectotype), MZUSP 1459 (Micro-CT; lectotype). Área de Proteção Ambiental (APA) de Macaé de Cima, Serra Queimada trail ZUFRJ 15430 and 15535 (cleared and stained males), ZUFRJ 15536 (cleared and stained female), MNRJ 91685−88, ZUFRJ 15424−26, 15428−29, ZUFRJ 15525, 15527, 15528−29, 15530−31, and 15534.

*Brachycephalus brunneus*: state of Paraná: municipality of *Campina Grande do Sul*, Pico Paraná MHNCI 1919–20, Pico Caratuva MNRJ 40289–91 (paratypes).

*Brachycephalus coloratus*: state of Paraná: municipality of *Piraquara*, Serra Baitaca, Estância Hidroclimática Recreio da Serra MNRJ 89949–50, MHNCI 10274 (MicroCT specimen, paratype).

*Brachycephalus curupira*: state of Paraná: municipality of *São José dos Pinhais*, Malhada District, Serra do Salto MHNCI 10285 (MicroCT specimen, paratype).

*Brachycephalus crispus*: state of São Paulo: municipality of *Cunha*, Parque Estadual da Serra do Mar, Núcleo Cunha, Bacia B: CFBH 10703 (cleared and stained adult female); CFBH 23903 (cleared and stained adult male); CFBH 10705, 27859, 27860 (cleared and stained juveniles).

*Brachycephalus darkside*: state of Minas Gerais: municipality of *Ervália*, Parque Estadual da Serra do Brigadeiro, trilha do cruzeiro MNRJ 91327 (paratype).

*Brachycephalus didactylus*: state of Rio de Janeiro: municipality of *Paulo de Frontin*, Sacra Família do Tinguá MNRJ 4062–73 (paratypes), MNRJ 60136 (paratype).

*Brachycephalus ephippium*: state of Rio de Janeiro: municipality of *Angra dos Reis* MNRJ 17458–59; municipality of *Cachoeira de Macacu*, Guapiaçu MNRJ 38104, 56517–18, 59946; municipality of *Itatiaia* AL‑MN 667–68, 114, 2178, MNRJ 2155, 10789, 17455, 17456–57, 23281–86, 52427–44, MZUSP 9031, 104081, ZUEC 0008, 7149–54; municipality of *Mangaratiba* MNRJ 0578, 2542, 11574–83, 13264–272; municipality of *Nova Iguaçu*, Serra do Tinguá MNRJ 1495, 8157–69; municipality of *Paraty* MNRJ 0663, 2435, 10271); municipality of *Rio Claro*, Lídice MNRJ 25353–54, 66619–20, 71337; municipality of *Rio de Janeiro* MZUSP 103784–71 MNRJ 30920: Pedra Branca MNRJ 3327, 13818–19, 25408–09, 27577–78, 37579, MZUSP 34644, Floresta da Tijuca AL‑MN 078–78A, 0313–18, 3696‑98, MNRJ 0640, 1870, 3959, 10205, 10215, 15332, 17431, 17453, 25346, 25368–71, 25412–14, 40781–99, 40801–04; MZUSP 76393, Represa do Rio Grande MZUSP 100277, 100281–318, 100366–766, ZUEC 971, Floresta dos Macacos MZUSP 100278–80; municipality of *Teresópolis* MNRJ 2764, 3311, 12471–72, 17438–39, 51580–83, ZUFRJ 3396, 3421, 3836–40, 3906, 3908, 3911–15, 4009, 4026, 4181, 4255–57, 4265–66, 4357–62, 4601–02, 4744–45, 5227–32, 6733: Alto do Soberbo MZUSP 49990‑50056, Comary MNRJ 2091, 17436–37, 17452, Parque Nacional da Serra dos Órgãos MNRJ 17434–35, 17445, 17446, 17447–48, 17449, 17450, 17454, MZUSP 34646, 71707–08, 110205, ZUEC 8099–100, Garrafão MNRJ 71726–27, Parque Estadual dos Três Picos, Vale da Revolta MNRJ 50260–61, Varginha MNRJ 25377–84; municipality of *Valença*, Serra da Concórdia MNRJ 73395. State of São Paulo: municipality of *Atibaia* MNRJ 25345, MZUSP 104203–04; municipality of *Bocaína* ZUFRJ 58–59; municipality of *Campinas*, Observatório de Capricórnio CFBH 0374, 0994–97, 1343, 2565–69, MNRJ 25347–52, ZUEC 5992, 6866, 6889, 9002, 9149–58; municipality of *Cotia* MHNCI 2611–16, MNRJ 18405–09, MZUSP 104149–58, ZUEC 1457–58, 1496–97; municipality of *Jundiaí*, Serra do Japí CFBH 2070–71, ZUEC 6852; municipality of *Mogi das Cruzes* MZUSP 104208–10, 136758, 136762–64, 136784, 137319, 138775, 138776; municipality of *Monteiro Lobato* MNRJ 70620–22; municipality of *Pindamonhangaba*, Reserva Trabijú MNRJ 70616–18, municipality of *Piquete* MZUSP 0534, 0810, 0851, 0864–66, 0871, 3820–46, 54387, municipality of *Santo André*, Paranapiacaba MNRJ 25367, MNRJ 42873, MZUSP 93350–51, ZUEC 445; municipality of *Santo Antônio do Pinhal* MNRJ 70628; municipality of *São José do Barreiro*, Serra da Bocaína, Bonito AL‑MN 2261–2300, MNRJ 2143, 10783–86; municipality of *São José dos Campos*, Distrito de São Francisco Xavier MNRJ 70619, 70623–26, MZUSP 2761–62, Serra da Bocaina, Fazenda Papagaio MZUSP 104198–202, Serra da Bocaina, boundaries among the state of São Paulo and Rio de Janeiro AL‑MN 894–899; municipality of *Taubaté*, Reserva Pedra Branca MNRJ 70627.

*Brachycephalus ferruginus*: state of Paraná: municipality of *Morretes*, Marumbi MHNCI 125, 128.

*Brachycephalus izecksohni*: state of Paraná: between the municipalities of *Guaratuba* and *Paranaguá*, Pico Torre de Prata CFBH 7381, 7382, 7384 (paratypes).

*Brachycephalus garbeanus*: state of Rio de Janeiro: municipality of *Nova Friburgo* CFBH 16806 (cleared and stained specimens), MNRJ 17432, ZUFRJ 3408–10, 3414–15, MNRJ 92802 and 92803 (cleared and stained specimens), MNRJ 51472 (Micro-CT), Serra de Macaé MZUSP 0811 (lectotype), 1460–61 paralectotypes), Macaé de Cima MNRJ 17440–41, MNRJ 25390–400, Morro São João MNRJ 17433, MNRJ 39615–18), Alto da Caledônia MNRJ 39583–614, MNRJ 67498), Baixo Caledônia MNRJ 57124, MNRJ 57293, Teodoro Oliveira MNRJ 51472–73, Serra Nevada MNRJ 39342–43.

*Brachycephalus guarani*: state of São Paulo: municipality of *Ubatuba*, Morro Prumirim CFBH 29563, 29565 (cleared and stained specimen).

*Brachycephalus hermogenesi*: state of São Paulo: municipality of *Ubatuba* [(MNRJ 18624, 18625, 18662–63 (paratypes)], municipality of *Piedade* CFBH 29653 (cleared and stained specimen).

*Brachycephalus izecksohni*: state of Paraná: between the municipalities of *Guaratuba* and *Panaguá*, Pico Torre da Prata MNRJ 76259-60 (paratypes), municipality of *Morretes* CFBH 7379 (cleared and stained specimen).

*Brachycephalus margaritatus*: state of Rio de Janeiro: municipality of *Engeiro Paulo Frontin*, Sacra Família do Tinguá MNRJ 39312 (holotype), MNRJ 21675, 25373-74, 25375-76, 25385, 25387-89, 25401, 39311, 39313-16 (paratypes); municipality of *Paty do Alferes* MNRJ 76100–01, ZUFRJ 2856; municipality of *Petrópolis* AL‑MN 1367–68, MNRJ 60869–71, 62976–84, MNRJ 85365 (cleared and stained), 85338 (cleared and stained), MNRJ 85374 (cleared and stained), MNRJ 80999 (Micro-CT), Castelo Country Club MNRJ 73700–702, Castelo Montebello MNRJ 70428–29, Independência AL‑MN 1362–66, Quitandinha AL‑MN 4141–42.

*Brachycephalus nodoterga*: state of São Paulo: municipality of *Ilhabela*, Morro do Ramalho MNRJ 23633–36, 23638–39, 23640 (cleared and stained), CFBH 34912 (cleared and stained); municipality of *São Paulo*, Serra da Cantareira MZUSP 0975 (holotype), 112785–91; municipality of *Salesópolis*, Boracéia MZUSP 30653, 30625–26, ZUEC 6073; municipality of Mairiporã, Parque Estadual da Cantareira: CFBH 34963, 34964, 34967 and 34968 (all four cleared and stained).

*Brachycephalus pernix*: state of Paraná: municipality of *Quatro Barras*, Serra da Baitaca, Morro Anhagava CFBH 2597–98 (paratypes), MHNCI 1818–19 (paratypes), 1820, 3000–04 (paratypes), MNRJ 17349 (MicroCT; holotype), ZUEC 9433–37 (paratypes).

*Brachycephalus pitanga*: state of São Paulo: municipality of *São Luis do Paraitinga*, Núcleo de Santa Virginia MNRJ 60790–93 (Micro-CT; paratypes), CFBH 9567 and 9568 (cleared and stained).

*Brachycephalus pulex*:State of Bahia:municipality of *Camacan,* Serra Bonita*,* CFBH 39373–39387, MNRJ 69646 (holotype).

*Brachycephalus sulfuratus*: State of Paraná: municipality of São José dos Pinhais, APA de Guaratuba ZUEC 16602; municipality of *Matinhos*, Parque Nacional Saint Hilaire/ Lange, Salto do Tigre MNRJ 86411 (Micro-CT). State of Santa Catarina: municipality of *São Francisco do Sul*, Centro de Estudos e Pesquisas Ambientais da Univille, Vila da Glória, Distrito do Saí CFBH 39137 (holotype), CFBH 39140 (paratype), CFBH 39329–30 (paratypes), 39332 (paratype). State of São Paulo: municipality of Cananéia, Ilha do Cardoso MZUSP 129855.

*Brachycephalus toby*: State of São Paulo: municipality of *Ubatuba*: Praia Dura, Morro do Corcovado MNRJ 76382–83 (Micro-CT; paratypes); CFBH 23002 and 23003 (cleared and stained).

*Brachycephalus tridactylus*: State of Paraná: municipality of *Guaraqueçaba*, Reserva Natural Salto Morato MNRJ 87908–10.

*Brachycephalus vertebralis*: state of Rio de Janeiro: municipality of *Paraty* CFBH 3418 (cleared and stained), MNRJ 11098 (holotype), 2022, 10515–18, 2053, 2338, 10599 paratype, 11095–96 paratypes, 11101–07, 11110–18, 11120–24, 11126–29, 11131–32 (paratypes), MNRJ 89199 (cleared and stained), MNRJ 89200 and 89201 (Micro-CT).