

| River | Article | Specie/Population | Marker | N | BP | S | h | Hd | Pi | Theta per site | sd Theta | Theta per seq | Variance Theta |
|-------|-----------------------------------|---|----------------|-----|-------|-----|-----|---------|-----------|----------------|-----------|---------------|----------------|
| | Fairley et al., 2002 | <i>Anopheles aquasalis</i> | | 52 | 588 | 21 | 15 | 0.8670 | 0.0112 | 0.0079 | 0.0027 | 4,6470 | 2,5450 |
| | | North | | 12 | 588 | 20 | 9 | 939,000 | 1.332,000 | 1.126 | 489 | 6.623 | 8.273 |
| | | South | mtDNA (COI) | 40 | 588 | 15 | 10 | 844,000 | 1.053,000 | 600 | 227 | 3.526 | 1.783 |
| | Armenta, Weckstein and Lane, 2005 | <i>Capito niger, C. auratus, e C. brunneipectus</i> | | 21 | 1.048 | 168 | 20 | 0.9950 | 0.0432 | 0.0447 | 0.0152 | 46,6960 | 250,9270 |
| | | North | | 18 | 1.048 | 143 | 17 | 0.9930 | 0.0387 | 0.03978 | 0.01404 | 41,575 | 215,192 |
| | | South | mtDNA (Cyt-B) | 3 | 1.048 | 65 | 3 | 1.0000 | 0.0414 | 0.04135 | 0.02505 | 43,333 | 689,206 |
| | Machado et al., 2019 | <i>Hylaeamys megalcephalus</i> | | 147 | 708 | 150 | 123 | 0.9974 | 0.04091 | 0.03879 | 0.00923 | 26,958 | 41,120 |
| | | North | | 55 | 708 | 71 | 44 | 0.9910 | 0.0110 | 0.02195 | 0.00641 | 15,518 | 20,508 |
| | | South | mtDNA (Cyt-B) | 92 | 708 | 121 | 80 | 0.9970 | 0.0249 | 0.03418 | 0.00885 | 23,755 | 37,823 |
| | Gibbs et al., 2018 | <i>Bothrops atrox</i> | | 25 | 674 | 44 | 13 | 0.8870 | 2,1440 | 0.0173 | 0.0061 | 11,6530 | 16,5060 |
| | | North | | 15 | 674 | 43 | 10 | 0.9430 | 0.0261 | 0.01968 | 0.00762 | 13,224 | 26,227 |
| | | South | mtDNA (Cyt-B) | 10 | 674 | 2 | 3 | 0.3780 | 0.0006 | 0.00105 | 0.00080 | 0,707 | 0,290 |
| | Cronemberger et al., 2022 | <i>Kentropyx calcarata</i> | | 214 | 782 | 169 | 115 | 0.9868 | 3,2940 | 0.0401 | 0.0090 | 28,4470 | 40,5140 |
| | | North | | 70 | 782 | 126 | 43 | 0.9490 | 0.0237 | 0.03519 | 0.00951 | 26,149 | 49,938 |
| | | South | mtDNA (Cyt-B) | 144 | 782 | 120 | 76 | 0.9840 | 0.0337 | 0.02945 | 0.00712 | 21,647 | 27,419 |
| | Avila-Pires et al., 2012 | <i>Gonatodes humeralis</i> | | 56 | 816 | 225 | 39 | 0.9820 | 4,9290 | 0.0600 | 0.0165 | 48,9810 | 48,9810 |
| | | North | | 21 | 816 | 142 | 13 | 0.9290 | 0.0484 | 0.04837 | 0.01648 | 39,469 | 180,781 |
| | | South | mtDNA (Cyt-B) | 35 | 816 | 160 | 26 | 0.9780 | 0.0454 | 0.04761 | 0.01450 | 38,852 | 139,927 |
| | | <i>Kentropyx calcarata</i> | | 66 | 820 | 128 | 50 | 0.9910 | 2,9580 | 0.0343 | 0.0094 | 26,8950 | 53,8210 |
| | | North | | 44 | 820 | 80 | 33 | 0.9850 | 0.0238 | 0.02376 | 0.00679 | 18,391 | 30,596 |
| | | South | | 22 | 820 | 80 | 17 | 0.9740 | 0.0292 | 0.02781 | 0.00958 | 21,946 | 57,085 |
| | Eizirik et al., 2000 | <i>Panthera onca</i> | | 30 | 807 | 27 | 16 | 0.915 | 0.00782 | 0.01077 | 0.00383 | 6,815 | 5,884 |
| | | North | | 20 | 807 | 22 | 10 | 0.8320 | 0.0051 | 0.00950 | 0.00371 | 6,201 | 5,873 |
| | | South | mtDNA (Cyt-B) | 10 | 807 | 15 | 7 | 0.9110 | 0.0100 | 0.00805 | 0.00375 | 5,302 | 6,108 |
| | Pedro & Sallum, 2009 | <i>Anopheles darlingi</i> | | 100 | 978 | 63 | 22 | 0.879 | 0.00904 | 0.01244 | 0.00335 | 12,168 | 10,727 |
| | | North | | 49 | 978 | 38 | 13 | 0.788 | 0.00932 | 0.00871 | 0.00275 | 8,522 | 7,253 |
| | | South | mtDNA (COI) | 51 | 978 | 48 | 13 | 0.748 | 0.00457 | 0.01091 | 0.00334 | 10,669 | 10,653 |
| | Santos et al., 2022 | <i>Uranoscodon superciliosus</i> | | 95 | 399 | 59 | 34 | 0.9430 | 4.1050 | 0.0455 | 0.0124 | 11,5100 | 9,8730 |
| | | North | | 20 | 399 | 29 | 12 | 0.9420 | 0.0186 | 0.02603 | 0.00984 | 8,174 | 9,555 |
| | | South | mtDNA (12S) | 75 | 399 | 58 | 28 | 0.9240 | 0.0403 | 0.04653 | 0.01317 | 11,866 | 11,272 |
| | Guimarães et al., 2021 | <i>Marmosops complex</i> | | 52 | 772 | 107 | 33 | 0.9790 | 8,2310 | 0.0562 | 0.0003 | 23,6790 | 46,1960 |
| | | North | | 16 | 772 | 122 | 13 | 0.9670 | 0.0799 | 0.05700 | 0.02076 | 36,767 | 179,366 |
| | | South | mtDNA (Cytb-B) | 36 | 772 | 75 | 22 | 0.9670 | 0.0515 | 0.04296 | 0.01346 | 18,086 | 32,099 |
| | Pedro, Uezu and Sallum, 2010 | <i>Anopheles triannulatus</i> | | 71 | 449 | 64 | 50 | 0.98 | 2 | 0.02949 | 0.00834 | 13.243 | 14.007 |
| | | North | | 6 | 449 | 23 | 6 | 1 | 0.02064 | 0.02243 | 0.01129 | 10,073 | 25,685 |
| | | South | mtDNA (COI) | 65 | 449 | 62 | 45 | 0.977 | 0.01958 | 0.02911 | 0.00836 | 13,069 | 14,101 |
| | De Thoisy et al., 2010 | <i>Tapirus terrestris</i> | | 45 | 1.069 | 63 | 35 | 0.9880 | 0.009 | 0.0134900 | 0.0000169 | 14,4070000 | 19,2730000 |
| | | North | | 23 | 1.069 | 46 | 18 | 0.9720 | 0.009 | 0.01166 | 0.00412 | 12,463 | 19,354 |
| | | South | mtDNA (Cyt-B) | 22 | 1.069 | 39 | 19 | 0.9870 | 0.008 | 0.01002 | 0.00362 | 10,699 | 14,909 |
| | MarquesSouza et al., 2019 | <i>Loxopholis osvaldoi</i> | | 258 | 645 | 104 | 146 | 0.9897 | 0.013 | 0.0263100 | 0.0025800 | 16,9710000 | 2,7690000 |
| | | North | | 28 | 645 | 39 | 23 | 0.9790 | 0.013 | 0.01554 | 0.00249 | 10,022 | 2,575 |
| | | South | nuDNA (NT3) | 230 | 645 | 100 | 134 | 0.9900 | 0.013 | 0.02578 | 0.00258 | 16,630 | 2,766 |
| | Moura et al., 2020 | <i>Arremon taciturnus</i> | | 96 | 891 | 64 | 62 | 0.976 | 0.00817 | 0.02026 | 0.00548 | 12,460 | 11,342 |
| | | North | | 16 | 891 | 26 | 13 | 0.9670 | 0.007 | 0.01066 | 0.00425 | 7,836 | 9,771 |
| | | South | mtDNA (Cyt-B) | 80 | 891 | 57 | 53 | 0.9690 | 0.009 | 0.01784 | 0.00501 | 11,508 | 10,441 |
| | Nascimento et al., 2013 | <i>Thrichomys laurentius</i> | | 36 | 1140 | 55 | 27 | 0.952 | 0.00906 | 0.01939 | 0.00621 | 13.263 | 18.042 |
| | | North | | 34 | 1140 | 44 | 25 | 0.947 | 0.006 | 0.01557 | 0.00514 | 10,761 | 12,602 |
| | | South | mtDNA (Cyt-B) | 2 | 1140 | 1 | 2 | 1.000 | 0.001 | 0.00131 | 0.00131 | 1,000 | 1,000 |
| | Nascimento et al., 2013 | <i>Thrichomys inermis</i> | | 10 | 1140 | 107 | 8 | 0.933 | 0.05857 | 0.048 | 0.01974 | 37.823 | 242.041 |
| | | North | | 6 | 1140 | 17 | 4 | 0.800 | 0.008 | 0.00653 | 0.00336 | 7,445 | 14,696 |
| | | South | mtDNA (Cyt-B) | 4 | 1140 | 58 | 1 | 1.000 | 0.037 | 0.04015 | 0.02201 | 31,636 | 300,765 |
| | Nascimento et al., 2013 | <i>Thrichomys apereoides</i> | | 10 | 1140 | 38 | 6 | 0.867 | 0.01934 | 0.01513 | 0.00648 | 13.432 | 33.095 |
| | | North | | 6 | 1140 | 30 | 4 | 0.800 | 0.012 | 0.01478 | 0.00732 | 13,139 | 42,331 |
| | | South | mtDNA (Cyt-B) | 4 | 1140 | 2 | 2 | 0.500 | 0.001 | 0.00099 | 0.00080 | 1,091 | 0,767 |
| | Oliveira et al., 2018 | <i>Dermatonotus muelleri</i> | | 179 | 514 | 101 | 59 | 0.907 | 0.03497 | 0.0341 | 0.00811 | 17.529 | 17.358 |
| | | North | | 157 | 514 | 99 | 49 | 0.898 | 0.038 | 0.03421 | 0.00344 | 17,584 | 3,123 |

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|-------|---|--|---------------|-----|------|-----|-----|--------|---------|----------------|----------|---------------|----------------|
| | Faria et al., 2013 | South | mtDNA (NAD2) | 22 | 514 | 101 | 59 | 0.907 | 0.035 | 0.03410 | 0.00339 | 17,529 | 3,042 |
| | | <i>Gracilinanus agilis</i> | | 59 | 1149 | 165 | 44 | 0.987 | 0.03033 | 0.03091 | 0.00851 | 35.512 | 95.536 |
| | | North | | 52 | 1149 | 147 | 38 | 0.984 | 0.028 | 0.02831 | 0.00801 | 32,531 | 84,698 |
| | Fonseca et al., 2018 | South | mtDNA (Cyt-B) | 7 | 1149 | 12 | 6 | 0.952 | 0.004 | 0.00426 | 0.00220 | 4,898 | 6,376 |
| | | <i>Polychrus acutirostris</i> | | 68 | 838 | 216 | 62 | 0.996 | 0.05721 | 0.05596 | 0.01488 | 45,100 | 143,751 |
| | | North | | 62 | 838 | 190 | 56 | 0.995 | 0.053 | 0.04904 | 0.01331 | 40,458 | 120,584 |
| | Corbett et al., 2020 | South | mtDNA (Cyt-B) | 5 | 838 | 140 | 6 | 1.000 | 0.087 | 0.07486 | 0.03549 | 61,314 | 845,005 |
| | | <i>rufifrons</i> | | 25 | 1041 | 16 | 12 | 0.887 | 0.00265 | 0.00407 | 0.00161 | 4,237 | 2,824 |
| | | North | | 7 | 1041 | 2 | 3 | 0.524 | 0.001 | 0.00078 | 0.00055 | 0,816 | 0,333 |
| | Werneck et al., 2015 | South | | 18 | 1041 | 14 | 10 | 0.876 | 0.003 | 0.00391 | 0.00104 | 4,070 | 1,183 |
| | | <i>Tropidurus semitaeniatus</i> | | 118 | 402 | 98 | 77 | 0.985 | 0.08739 | 0.06872 | 0.01707 | 17.936 | 19.84 |
| | | North | | 74 | 402 | 81 | 37 | 0.961 | 0.083 | 0.06367 | 0.01753 | 16,617 | 20,930 |
| | Do Nascimento et al., 2011 | South | mtDNA (Cyt-B) | 44 | 402 | 66 | 33 | 0.986 | 0.034 | 0.04771 | 0.01454 | 15,172 | 21,387 |
| | | <i>Calomys expulsus</i> | | 80 | 1137 | 80 | 36 | 0.950 | 0.00920 | 0.01599 | 0.00458 | 17,282 | 24,554 |
| | | North | | 46 | 1137 | 56 | 26 | 0.922 | 0.005 | 0.01172 | 0.00359 | 12,742 | 15,259 |
| | Coutinho-Abreu et al., 2008; Hodgkinson et al., 2002;2003 | South | mtDNA (Cyt-B) | 12 | 1137 | 36 | 10 | 0.970 | 0.010 | 0.01056 | 0.00435 | 11,921 | 24,108 |
| | | <i>Lutzomyia longipalpis s.l.</i> | | 96 | 261 | 24 | 34 | 0.943 | 0.01119 | 0.0179 | 0.00559 | 4.673 | 2.13 |
| | | North | | 44 | 261 | 13 | 22 | 0.936 | 0.011 | 0.01145 | 0.00443 | 2,989 | 1,338 |
| | Oliveira et al., 2015 | South | mtDNA (Cyt-B) | 52 | 261 | 20 | 21 | 0.919 | 0.01056 | 0.01696 | 0.00588 | 4,426 | 2,352 |
| | | <i>Cnemidophorus ocellifer</i> | | 398 | 393 | 83 | 128 | 0.9664 | 0.02006 | 0.03400 | 0.00748 | 12,648 | 7,733 |
| | | North | | 1 | 392 | 69 | 94 | 0.946 | 0.018 | 0.02939 | 0.00686 | 11,079 | 6,690 |
| | Bocalini et al., 2021 | South | mtDNA(12S) | 1 | 392 | 46 | 41 | 0.939 | 0.02449 | 0.02302 | 0.00633 | 8,679 | 5,693 |
| | | <i>caryothraustes brasiliensis/canadensis</i> | | 32 | 1035 | 129 | 24 | 0.976 | 0.04002 | 0.03219 | 0.01005 | 32.032 | 100.056 |
| | | North | | 21 | 1035 | 124 | 17 | 0.976 | 0.046 | 0.03464 | 0.01185 | 34,466 | 138,935 |
| | Bocalini et al., 2021 | South | mtDNA (ND2) | 11 | 1035 | 10 | 9 | 0.964 | 0.00214 | 0.00330 | 0.00161 | 3,414 | 2,771 |
| | | <i>Hemithraupis flavicollis</i> | | 17 | 1026 | 43 | 13 | 0.949 | 0.02638 | 0.02386 | 0.009 | 12.719 | 23 |
| | | North | | 16 | 1026 | 41 | 12 | 0.942 | 0.027 | 0.02318 | 0.00888 | 12,356 | 22,420 |
| | Bocalini et al., 2021 | South | mtDNA (ND2) | 1 | | | | | | | | | |
| | | <i>Phaethornis</i> | | 50 | 1035 | 60 | 14 | 0.72 | 0.02779 | 0.04619 | 0.01388 | 13.395 | 16.208 |
| | | North | | 1 | | | | | | | | | |
| | Bocalini et al., 2021 | South | mtDNA (ND2) | 1 | | | | | | | | | |
| | | <i>Picumnus</i> | | 26 | 963 | 57 | 14 | 0.905 | 0.01806 | 0.01592 | 0.0054 | 14.937 | 25.686 |
| | | North | | 23 | 963 | 48 | 11 | 0.877 | 0.017 | 0.01386 | 0.00488 | 13,005 | 20,936 |
| | Bocalini et al., 2021 | South | mtDNA (ND2) | 3 | 963 | 3 | 3 | 1.000 | 0.00208 | 0.00208 | 0.00157 | 2,000 | 2,286 |
| | | <i>Platyrinchus</i> | | 113 | 1009 | 18 | 16 | 0.750 | 0.03867 | 0.03816 | 0.01251 | 3,396 | 1,240 |
| | | North | | 56 | 1009 | 47 | 24 | 0.934 | 0.034 | 0.03279 | 0.00991 | 10,232 | 9,561 |
| | Bocalini et al., 2021 | South | mtDNA (ND2) | 57 | 1009 | 20 | 14 | 0.793 | 0.00622 | 0.00839 | 0.00288 | 4,337 | 2,211 |
| | | <i>Tangara</i> | | 31 | 1018 | 139 | 17 | 0.903 | 0.02858 | 0.03794 | 0.01189 | 34.794 | 118.976 |
| | | North | | 15 | 1018 | 108 | 7 | 0.657 | 0.016 | 0.03358 | 0.01247 | 33,215 | 152,007 |
| | Bocalini et al., 2021 | South | mtDNA (ND2) | 16 | 1018 | 59 | 10 | 0.925 | 0.01048 | 0.01939 | 0.00726 | 17,781 | 44,369 |
| | | <i>Thalurania</i> | | 147 | 1012 | 97 | 53 | 0.920 | 0.03725 | 0.03953 | 0.00969 | 17,433 | 18,247 |
| | | North | | 119 | 1012 | 114 | 52 | 0.902 | 0.029 | 0.04243 | 0.01059 | 21,300 | 28,283 |
| | Di Nizo et al., 2024 | South | mtDNA (ND2) | 28 | 1012 | 53 | 12 | 0.796 | 0.01963 | 0.03047 | 0.01025 | 13,620 | 20,975 |
| | | <i>Wiedomys cerradensis</i> | | 25 | 770 | 22 | 18 | 0.97 | 0.00954 | 0.01588 | 0.00598 | 5.826 | 4.82 |
| | | <i>Wiedomys pyrrhorinos</i> | | 16 | 1140 | 20 | 15 | 0.992 | 0.00599 | 0.00839 | 0.00345 | 6.027 | 6.148 |
| | Passoni, Benozzati and Rodrigues, 2008 | <i>Wiedomys cerradensis & pyrrhorinos</i> | | 41 | 769 | 61 | 25 | 0.962 | 0.06539 | 0.03938 | 0.01223 | 14.257 | 19.589 |
| | | North | | 24 | 769 | 20 | 17 | 0.967 | 0.009 | 0.01463 | 0.00563 | 5,356 | 4,243 |
| | | South | | 17 | 769 | 106 | 15 | 0.978 | 0.02083 | 0.04373 | 0.01577 | 31,354 | 127,831 |
| | Siedchlag et al., 2010 | <i>Eurolophosaurus divaricatus (N=9); Eurolophosaurus nanuzae (N=8); Eurolophosaurus amathites = (N=3)</i> | | 20 | 209 | 58 | 16 | 0.979 | 0.979 | 0.07822 | 0.02795 | 16.348 | 34.128 |
| | | North | | 9 | 209 | 20 | 7 | 0.944 | 0.048 | 0.03521 | 0.01624 | 7,359 | 11,522 |
| | | South | mtDNA (Cyt-B) | 11 | 209 | 41 | 9 | 0.964 | 0.09369 | 0.06698 | 0.02791 | 13,998 | 34,030 |
| | Siedchlag et al., 2010 | <i>Calyptommatius sinebrachiatus, Calyptommatius leiolepis, Calyptommatius confusionibus e Calyptommatius nicterus</i> | | 19 | 242 | 48 | 17 | 0.988 | 0.06993 | 0.05675 | 0.02075 | 13.733 | 25.209 |
| | | North | | 11 | 242 | 33 | 11 | 1.000 | 0.048 | 0.04656 | 0.01968 | 11,267 | 22,681 |
| | | South | mtDNA (Cyt-B) | 8 | 242 | 33 | 7 | 0.964 | 0.06434 | 0.05259 | 0.02400 | 12,727 | 33,746 |

DOCE RIVER

| River | Article | Specie/Population | Marker | N | BP | S | h | Hd | Pi | Theta per site | sd Theta | Theta per seq | Variance Theta |
|------------|---------------------------------|---------------------------------------|---------------|-----|-----|-----|----|-------|---------|----------------|----------|---------------|----------------|
| DOCE RIVER | Santos, Scherrer and Loss, 2018 | <i>Miobantia fuscata</i> | | 102 | 602 | 193 | 55 | 0,981 | 0,104 | 0,067 | 0,017 | 37,135 | 85,447 |
| | | North | | 59 | 602 | 146 | 31 | 0,960 | 0,080 | 0,05371 | 0,01486 | 31,423 | 75,525 |
| | | South | mtDNA (COI) | 43 | 602 | 171 | 26 | 0,973 | 0,10012 | 0,07020 | 0,02048 | 39,522 | 132,905 |
| | Menezes et al., 2016 | <i>Scinax eurydice</i> | nuDNA (28S) | 94 | 768 | 8 | 6 | 0,601 | 0,004 | 0,00207 | 0,00073 | 1,564 | 0,306 |
| | | North | | 63 | 768 | 7 | 5 | 0,484 | 0,002 | 0,00196 | 0,00074 | 1,485 | 0,315 |
| | | South | | 31 | 768 | 2 | 3 | 0,529 | 0,00072 | 0,00065 | 0,00046 | 0,501 | 0,125 |
| | Pellegrino et al., 2005 | <i>Gymnodactylus darwinii complex</i> | mtDNA (Cyt-B) | 42 | 794 | 76 | 13 | 0,717 | 0,06229 | 0,05164 | 0,01571 | 17,662 | 28,885 |
| | | North | | 16 | 794 | 106 | 11 | 0,950 | 0,098 | 0,07005 | 0,02562 | 31,945 | 136,508 |
| | | South | | 26 | 794 | 2 | 3 | 0,280 | 0,00084 | 0,00152 | 0,00113 | 0,524 | 0,151 |