

| <i>Reference</i> | <i>Clade</i> | <i>DOI or stable link</i> | <i>Family</i> | <i>Genus</i> | Crown age (Ma) | Stem age (Ma) | Total sp. in clade | Sampled sp. |
|--|--------------|----------------------------------|----------------|--|-----------------------|----------------------|---------------------------|--------------------|
| Bittencourt-Silva et al. (2016) | Amphibia | 10.1016/j.ympcv.2016.03.021 | Pyxicephalidae | Tomopterna | 19 | 35.99 | 16 | 8 |
| Evans et al. (2015) | Amphibia | 10.1371/journal.pone.0142823 | Pipidae | <i>Xenopus</i> | 27.5 | 70 | 29 | 29 |
| Jongsma et al. (2018) | Amphibia | 10.1016/j.ympcv.2017.12.006 | Ranidae | Amnirana | 36.7 | 31.7 | 12 | 10 |
| Larson et al. (2016) | Amphibia | 10.1016/j.ympcv.2016.03.017 | Pyxicephalidae | <i>Amietia</i> | 24.9 | 44.7 | 16 | 11 |
| Liedtke et al. (2016) | Amphibia | 10.1111/evo.12985 | Bufonidae | Capensibufo | 5.5 | 23.5 | 5 | 2 |
| Liedtke et al. (2016) | Amphibia | 10.1111/evo.12985 | Bufonidae | Poyntonophrynus | 7.5 | 17 | 11 | 4 |
| Liedtke et al. (2016) | Amphibia | 10.1111/evo.12985 | Bufonidae | Sclerophrys | 19 | 23.2 | 45 | 24 |
| Liedtke et al. (2016) | Amphibia | 10.1111/evo.12985 | Bufonidae | Nectophrynoidea | 11.5 | 17.5 | 13 | 11 |
| Liedtke et al. (2016) | Amphibia | 10.1111/evo.12985 | Bufonidae | Vandijkophrynus | 4 | 23.2 | 5 | 5 |
| Liedtke et al. (2016) | Amphibia | 10.1111/evo.12985 | Bufonidae | Mertensophryne | 13.3 | 17 | 14 | 8 |
| Portik et al. (2019) | Amphibia | 10.1093/sysbio/syz023 | Hyperoliidae | <i>Callulina</i> | 19 | 29 | 9 | 9 |
| Portik et al. (2019) | Amphibia | 10.1093/sysbio/syz023 | Hyperoliidae | <i>Cardioglossa</i> | 24 | 29.5 | 19 | 12 |
| Portik et al. (2019) | Amphibia | 10.1093/sysbio/syz023 | Hyperoliidae | <i>Breviceps</i> | 23 | 37 | 19 | 8 |
| Portik et al. (2019) | Amphibia | 10.1093/sysbio/syz023 | Hyperoliidae | <i>Afrizalus</i> | 20.2 | 25 | 33 | 25 |
| Portik et al. (2019) | Amphibia | 10.1093/sysbio/syz023 | Hyperoliidae | <i>Leptodactylodon</i> | 25 | 45 | 15 | 11 |
| Portik et al. (2019) | Amphibia | 10.1093/sysbio/syz023 | Hyperoliidae | <i>Probreviceps</i> | 15 | 23 | 6 | 4 |
| Portik et al. (2019) | Amphibia | 10.1093/sysbio/syz023 | Hyperoliidae | <i>Astylosternus</i> | 9 | 23 | 12 | 5 |
| Portik et al. (2019) | Amphibia | 10.1093/sysbio/syz023 | Hyperoliidae | <i>Hyperolius</i> | 27 | 31 | 146 | 82 |
| Portik et al. (2019) | Amphibia | 10.1093/sysbio/syz023 | Hyperoliidae | <i>Phlyctimantis</i> | 11 | 19 | 5 | 5 |
| Portik et al. (2019) | Amphibia | 10.1093/sysbio/syz023 | Hyperoliidae | <i>Arthroleptis</i> | 25 | 29.5 | 47 | 18 |
| Portik et al. (2019) | Amphibia | 10.1093/sysbio/syz023 | Hyperoliidae | <i>Leptopelis</i> | 35 | 40.1 | 53 | 28 |
| Portik et al. (2019) | Amphibia | 10.1093/sysbio/syz023 | Hyperoliidae | <i>Kassina</i> | 15 | 19 | 15 | 10 |
| Damm et al. (2010) | Arthropoda | 10.1016/j.ympcv.2009.12.006 | Libellulidae | <i>Trithemis</i> | 10 | 12.5 | 46 | 38 |
| Hemp et al. (2015) | Arthropoda | 10.1111/syen.12092 | Orthoptera | <i>Parepistaurus</i> | 2.5 | 7.5 | 25 | 15 |
| Sahoo et al. (2018) | Arthropoda | 10.1016/j.ympcv.2018.02.001 | Nymphalidae | <i>Hypolimnas</i> (african clade) | 11.18 | 13.42 | 29 | 26 |
| van Velzen et al. (2013) | Arthropoda | 10.1111/bij.12012 | Nymphilidae | <i>Cymothoe</i> | 7.13 | 15 | 82 | 52 |
| Huntley & Voelker (2016) | Aves | 10.1016/j.ympcv.2016.04.002 | Pycnonotidae | <i>Bleda</i> | 7.5 | 0 | 4 | 4 |
| Huntley & Voelker (2017) | Aves | 10.1093/zoolinnean/zlx086 | Pycnonotidae | <i>Criniger</i> | 6.2 | 0 | 5 | 5 |
| Huntley & Voelker (2017) | Aves | 10.1093/zoolinnean/zlx086 | Sylviidae | <i>Sylvietta</i> | 5.8 | 0 | 9 | 9 |
| Njabo et al. (2008) | Aves | 10.1016/j.ympcv.2008.01.013 | Platysteiridae | <i>Platysteira</i> (including <i>Dyaphorophyia</i>) | 15.5 | 16.4 | 11 | 10 |
| Voelker et al. (2010) | Aves | 10.1111/j.1466-8238.2009.00500.x | Muscicapidae | <i>Sheppardia</i> | 3.23 | 4.1 | 12 | 12 |

| <i>Reference</i> | % sp. sampled | Inferred vegetation zone | Altitude mean (m) | Altitude minimum (m) | Altitude maximum (m) | Altitude difference (m) | No. of occurrences used from GBIF after cleaning |
|---|---------------|--------------------------------------|-------------------|----------------------|----------------------|-------------------------|--|
| Bittencourt-Silva <i>et al.</i> (2016) | 50 | premontane | 1018 | 6 | 2530 | 2524 | 1521 |
| Evans <i>et al.</i> (2015) | 100 | premontane | 1185 | 4 | 3338 | 3334 | 3334 |
| Jongsma <i>et al.</i> (2018) | 83 | lowland | 359 | 18 | 1018 | 1000 | 82 |
| Larson <i>et al.</i> (2016) | 69 | premontane | 1498 | 13 | 4062 | 4049 | 953 |
| Liedtke <i>et al.</i> (2016) | 40 | premontane | 743 | 109 | 1430 | 1321 | 44 |
| Liedtke <i>et al.</i> (2016) | 36 | premontane | 837 | 32 | 1780 | 1748 | 285 |
| Liedtke <i>et al.</i> (2016) | 53 | lowland | 475 | 4 | 1901 | 1897 | 1260 |
| Liedtke <i>et al.</i> (2016) | 85 | montane | 1711 | 233 | 3120 | 2887 | 555 |
| Liedtke <i>et al.</i> (2016) | 100 | premontane | 1081 | 11 | 3098 | 3087 | 239 |
| Liedtke <i>et al.</i> (2016) | 57 | premontane | 1314 | 8 | 4339 | 4331 | 257 |
| Portik <i>et al.</i> (2019) | 100 | premontane | 1345 | 446 | 2104 | 1658 | 111 |
| Portik <i>et al.</i> (2019) | 63 | lowland | 594 | 2 | 1720 | 1718 | 262 |
| Portik <i>et al.</i> (2019) | 42 | premontane | 812 | 1 | 2098 | 2097 | 815 |
| Portik <i>et al.</i> (2019) | 76 | lowland | 520 | 4 | 2198 | 2194 | 2693 |
| Portik <i>et al.</i> (2019) | 73 | premontane | 1137 | 18 | 2337 | 2319 | 92 |
| Portik <i>et al.</i> (2019) | 67 | premontane | 1490 | 261 | 2580 | 2319 | 188 |
| Portik <i>et al.</i> (2019) | 42 | premontane | 918 | 31 | 2357 | 2326 | 283 |
| Portik <i>et al.</i> (2019) | 56 | premontane | 717 | 6 | 2362 | 2356 | 2865 |
| Portik <i>et al.</i> (2019) | 100 | premontane | 916 | 7 | 2380 | 2373 | 184 |
| Portik <i>et al.</i> (2019) | 38 | premontane | 844 | 1 | 2531 | 2530 | 2855 |
| Portik <i>et al.</i> (2019) | 53 | premontane | 843 | 4 | 2890 | 2886 | 2804 |
| Portik <i>et al.</i> (2019) | 67 | premontane | 811 | 4 | 3153 | 3149 | 1147 |
| Damm <i>et al.</i> (2010) | 83 | premontane | 778 | 4 | 2526 | 2522 | 1546 |
| Hemp <i>et al.</i> (2015) | 60 | no data in GBIF, inferred premontane | NA | NA | NA | NA | NA |
| Sahoo <i>et al.</i> (2018) | 90 | lowland | 585 | 1 | 2049 | 2048 | 895 |
| van Velzen <i>et al.</i> (2013) | 63 | lowland | 690 | 1 | 1973 | 1972 | 1038 |
| Huntley & Voelker (2016) | 100 | premontane | 769 | 12 | 1910 | 1898 | 429 |
| Huntley & Voelker (2017) | 100 | premontane | 762 | 11 | 1690 | 1679 | 222 |
| Huntley & Voelker (2017) | 100 | premontane | 955 | 4 | 2715 | 2711 | 652 |
| Njabo <i>et al.</i> (2008) | 91 | premontane | 915 | 1 | 2510 | 2509 | 791 |
| Voelker <i>et al.</i> (2010) | 100 | premontane | 1265 | 19 | 2624 | 2605 | 380 |

| <i>Reference</i> | <i>Clade</i> | <i>DOI or stable link</i> | <i>Family</i> | <i>Genus</i> | Crown age (Ma) | Stem age (Ma) | Total sp. in clade | Sampled sp. |
|--|---------------|---|-----------------|---|-----------------------|----------------------|---------------------------|--------------------|
| Voelker et al. (2010) | Aves | 10.1111/j.1466-8238.2009.00500.x | Muscicapidae | <i>Callene (Cossypha anomala, caffra and archeri group)</i> | 2.71 | 4.1 | 3 | 3 |
| Antonelli (2009) | Magnoliophyta | 10.1186/1741-7007-7-82 | Campanulaceae | <i>Lobelia</i> | 11.2 | 24.5 | 15 | 3 |
| Auvrey et al. (2010) | Magnoliophyta | Book chapter | Zingiberaceae | <i>Afromomum</i> | 8.4 | 14.2 | 61 | 30 |
| Bouchenak-Khelladi et al. (2010a) | Magnoliophyta | 10.1016/j.ympcv.2010.07.019 | Mimosoideae | <i>Senegalia</i> | 10 | 19 | 66 | 18 |
| Bouchenak-Khelladi et al. (2010a) | Magnoliophyta | 10.1016/j.ympcv.2010.07.019 | Mimosoideae | <i>Vachellia</i> (formerly <i>Acacia</i> subgenus <i>Acacia</i>) | 15 | 19 | 32 | 27 |
| Couvreur et al. (2011b) | Magnoliophyta | 10.1186/1471-2148-11-296 | Annonaceae | <i>Monodora</i> | 8.5 | 13.2 | 14 | 13 |
| Couvreur et al. (2011b) | Magnoliophyta | 10.1186/1471-2148-11-296 | Annonaceae | <i>Isolona</i> | 7.5 | 13.2 | 20 | 14 |
| Davis et al. (2002) | Magnoliophyta | https://www.istor.org/stable/3094684 | Malpighiaceae | <i>Acridocarpus</i> (African clade) | 25 | 35 | 23 | 11 |
| Dimitrov et al. (2012) | Magnoliophyta | 10.1371/journal.pone.0048908 | Gesneriaceae | <i>Saintpaulia</i> | 5 | 31 | 6 | 5 |
| Donkpegan et al. (2017) | Magnoliophyta | 10.1016/j.ympcv.2016.11.004 | Leguminosae | <i>Afzelia</i> (plastome dates) | 14.5 | 33.5 | 11 | 6 |
| Estrella et al. (2017) | Magnoliophyta | 10.1111/nph.14523 | Leguminosae | <i>Tetraberlinia</i> | 9 | 22 | 7 | 4 |
| Estrella et al. (2017) | Magnoliophyta | 10.1111/nph.14524 | Leguminosae | <i>Gilbertiodendron</i> | 20 | 33 | 27 | 22 |
| Estrella et al. (2017) | Magnoliophyta | 10.1111/nph.14523 | Leguminosae | <i>Daniellia</i> | 16 | 54 | 8 | 7 |
| Estrella et al. (2017) | Magnoliophyta | 10.1111/nph.14523 | Leguminosae | <i>Bikinia</i> | 12 | 22 | 10 | 6 |
| Estrella et al. (2017) | Magnoliophyta | 10.1111/nph.14523 | Leguminosae | <i>Hymenostegia</i> | 25.5 | 33 | 15 | 7 |
| Estrella et al. (2017) | Magnoliophyta | 10.1111/nph.14523 | Leguminosae | <i>Aphanocalyx</i> | 47 | 49.5 | 14 | 8 |
| Faye et al. (2016) | Magnoliophyta | 10.1111/boj.12454 | Arecaceae | <i>Oncocalamus</i> | 8 | 31 | 4 | 3 |
| Faye et al. (2016b) | Magnoliophyta | 10.1111/boj.12454 | Arecaceae | <i>Laccosperma</i> | 9.7 | 27.4 | 7 | 6 |
| Faye et al. (2016b) | Magnoliophyta | 10.1111/boj.12454 | Arecaceae | <i>Eremospatha</i> | 16.6 | 27.4 | 11 | 9 |
| Gizaw et al. (2016) | Magnoliophyta | 10.1111/nph.13937 | Caryophyllaceae | <i>Lychnis</i> (African clade, before as <i>Uebelinia</i>) | 4.12 | 5.16 | 6 | 6 |
| Holstein & Renner (2011) | Magnoliophyta | 10.1186/1471-2148-11-28 | Cucurbitaceae | <i>Coccinia</i> | 13.5 | 16 | 27 | 24 |
| Koenen et al. (2015) | Magnoliophyta | 10.1111/nph.13490 | Meliaceae | <i>Carapa</i> | 7.4 | 20 | 27 | 24 |
| Koenen et al. (2015) | Magnoliophyta | 10.1111/nph.13490 | Meliaceae | <i>Heckeldora</i> | 15 | 20 | 7 | 7 |
| Koenen et al. (2015) | Magnoliophyta | 10.1111/nph.13490 | Meliaceae | <i>Lepalaea</i> | 17 | 20 | 7 | 7 |
| Linder et al. (2013) | Magnoliophyta | 10.1111/jbi.12070 | Poaceae | <i>Pentameris</i> (African clade) | 2.1 | 3.8 | 4 | 2 |
| Lu et al. (2013) | Magnoliophyta | 10.1016/j.ympcv.2013.04.023 | Vitaceae | <i>Cyphostemma</i> | 34.27 | 66 | 150 | 39 |
| Migliore et al. (2019) | Magnoliophyta | 10.1111/jbi.13476 | Annonaceae | <i>Greenwayodendron</i> | 11.46 | 28 | 5 | 5 |
| Monthe et al. (2019) | Magnoliophyta | 10.1016/j.ppees.2019.01.002 | Meliaceae | <i>Khaya</i> (plastome dates) | 4.06 | 36.04 | 8 | 8 |

| <i>Reference</i> | % sp. sampled | Inferred vegetation zone | Altitude mean (m) | Altitude minimum (m) | Altitude maximum (m) | Altitude difference (m) | No. of occurrences used from GBIF after cleaning |
|---|---------------|--------------------------|-------------------|----------------------|----------------------|-------------------------|--|
| Voelker <i>et al.</i> (2010) | 100 | premontane | 1052 | 1 | 3318 | 3317 | 1637 |
| Antonelli (2009) | 20 | montane | 1702 | 0 | 4483 | 4483 | 1481 |
| Auvrey <i>et al.</i> (2010) | 49 | lowland | 475 | 2 | 1541 | 1539 | 1723 |
| Bouchenak-Khelladi <i>et al.</i> (2010a) | 27 | lowland | 664 | 0 | 2480 | 2480 | 2820 |
| Bouchenak-Khelladi <i>et al.</i> (2010a) | 84 | premontane | 875 | 0 | 2998 | 2998 | 2845 |
| Couvreur <i>et al.</i> (2011b) | 93 | lowland | 270 | 3 | 1100 | 1097 | 956 |
| Couvreur <i>et al.</i> (2011b) | 70 | lowland | 309 | 3 | 1245 | 1242 | 839 |
| Davis <i>et al.</i> (2002) | 48 | lowland | 164 | 1 | 730 | 729 | 840 |
| Dimitrov <i>et al.</i> (2012) | 83 | premontane | 875 | 5 | 2301 | 2296 | 179 |
| Donkpegan <i>et al.</i> (2017) | 55 | lowland | 267 | 2 | 1030 | 1028 | 741 |
| Estrella <i>et al.</i> (2017) | 57 | lowland | 182 | 10 | 645 | 635 | 732 |
| Estrella <i>et al.</i> (2017) | 81 | lowland | 341 | 25 | 798 | 773 | 220 |
| Estrella <i>et al.</i> (2017) | 88 | lowland | 251 | 1 | 826 | 825 | 314 |
| Estrella <i>et al.</i> (2017) | 60 | lowland | 407 | 16 | 942 | 926 | 1204 |
| Estrella <i>et al.</i> (2017) | 47 | lowland | 321 | 10 | 1087 | 1077 | 689 |
| Estrella <i>et al.</i> (2017) | 57 | lowland | 321 | 5 | 1148 | 1143 | 849 |
| Faye <i>et al.</i> (2016) | 75 | lowland | 206 | 2 | 687 | 685 | 126 |
| Faye <i>et al.</i> (2016b) | 86 | lowland | 279 | 6 | 832 | 826 | 385 |
| Faye <i>et al.</i> (2016b) | 82 | lowland | 283 | 5 | 992 | 987 | 400 |
| Gizaw <i>et al.</i> (2016) | 100 | montane | 2625 | 1393 | 4049 | 2656 | 165 |
| Holstein & Renner (2011) | 89 | premontane | 849 | 2 | 3061 | 3059 | 674 |
| Koenen <i>et al.</i> (2015) | 89 | lowland | 274 | 0 | 961 | 961 | 606 |
| Koenen <i>et al.</i> (2015) | 100 | lowland | 285 | 13 | 1114 | 1101 | 359 |
| Koenen <i>et al.</i> (2015) | 100 | lowland | 344 | 10 | 1114 | 1104 | 381 |
| Linder <i>et al.</i> (2013) | 50 | montane | 2228 | 4 | 4672 | 4668 | 265 |
| Lu <i>et al.</i> (2013) | 26 | premontane | 947 | 1 | 2653 | 2652 | 1756 |
| Migliore <i>et al.</i> (2019) | 100 | lowland | 168 | 1 | 634 | 633 | 325 |
| Monthe <i>et al.</i> (2019) | 100 | lowland | 250 | 7 | 862 | 855 | 339 |

| <i>Reference</i> | <i>Clade</i> | <i>DOI or stable link</i> | <i>Family</i> | <i>Genus</i> | Crown age (Ma) | Stem age (Ma) | Total sp. in clade | Sampled sp. |
|--------------------------------------|---------------|----------------------------------|-------------------------|---|-----------------------|----------------------|---------------------------|--------------------|
| Monthe et al. (2019) | Magnoliophyta | 10.1016/j.ppees.2019.01.002 | Meliaceae | <i>Entandrophragma</i> (plastome dates) | 10.33 | 36.04 | 11 | 11 |
| Schaefer & Renner (2010) | Magnoliophyta | 10.1016/j.ympcv.2009.08.006 | Cucurbitaceae | <i>Momordica</i> | 35.4 | 45 | 59 | 58 |
| Tosso et al. (2018) | Magnoliophyta | 10.1016/j.ympcv.2017.11.026 | Fabaceae | <i>Guibourtia</i> | 17.86 | 36.7 | 15 | 15 |
| Bohoussou et al. (2015) | Mammalia | 10.1111/jbi.12570 | Muridae | <i>Malacomys</i> | 3.78 | 0 | 3 | 3 |
| Bryja et al. (2014) | Mammalia | 10.1186/s12862-014-0256-2 | Muridae | <i>Mus</i> | 8 | 0 | 28 | 28 |
| Cunha Almeida et al. (2016) | Mammalia | 10.3161/15081109ACC2016.18.1.003 | Pteropodidae | <i>Epomops, Hypsignathus, Nanonycteris, Epomophorus, Micropteropus</i> | 3.6 | 7.6 | 15 | 7 |
| Cunha Almeida et al. (2016) | Mammalia | 10.3161/15081109ACC2016.18.1.003 | Pteropodidae | <i>Myonycteris, Megaloglossus</i> | 6.6 | 7.6 | 7 | 7 |
| Dolotovskaya et al. (2017) | Mammalia | 10.1093/zoolinnean/zlx001 | Primate | <i>Papio</i> | 2.51 | 5.79 | 6 | 6 |
| Dolotovskaya et al. (2017) | Mammalia | 10.1093/zoolinnean/zlx001 | Primate | <i>Chlorocebus</i> | 3.5 | 9.45 | 6 | 6 |
| Guschanski et al. (2013) | Mammalia | 10.1093/sysbio/syt018 | Cercopitheciinae | Tribe <i>Cercopithecini</i> : <i>Cercopithecus, Miopithecus, Allenopithecus, Erythrocebus, Chlorocebus</i> | 9.6 | 12.3 | 63 | 62 |
| Hassanin et al. (2012) | Mammalia | 10.1016/j.crv.2011.11.002 | Tragulidae | <i>Hyemoschus</i> | 6.8 | 31 | 10 | 10 |
| Hassanin et al. (2015) | Mammalia | 10.1016/j.crv.2014.12.003 | Pteropodidae | <i>Scotonycteris, Casinycteris</i> | 5.1 | 11.4 | 4 | 4 |
| Johnston & Anthony (2012) | Mammalia | 10.1186/1471-2148-12-120 | Cephalophinae / Bovidae | <i>Cephalophus</i> | 7.03 | 8.73 | 16 | 16 |
| Mikula et al. (2016) | Mammalia | 10.1111/zsc.12179 | Nesomyidae | <i>Saccostomus</i> | 3.9 | 9 | 5 | 5 |
| Nicolas et al. (2019) | Mammalia | 10.1016/j.ympcv.2019.106703 | Muridae | <i>Hylomyscus</i> | 5.7 | 7.4 | 26 | 24 |
| Olayemi et al. (2012) | Mammalia | 10.1111/j.1096-3642.2012.00823.x | Nesomyidae | <i>Cricetomys</i> | 5.7 | 0 | 6 | 6 |
| Pozzi (2016) | Mammalia | 10.1111/jbi.12846 | Galagidae | <i>Galagidae</i> | 34 | 43 | 18 | 17 |
| Springer et al. (2012) | Mammalia | 10.1371/journal.pone.0049521 | Colobidae | <i>Ptilocolobus</i> | 3.63 | 7.19 | 17 | 9 |
| Taylor et al. (2014) | Mammalia | 10.1111/bij.12317 | Muridae | <i>Otomys</i> | 3.94 | 0 | 19 | 16 |
| Gaubert et al. (2018) | Pholidota | 10.1093/jhered/esx097 | Manidae | African Pangolins (genera <i>Phataginus, Smutsia</i>) | 22.9 | 37.9 | 6 | 6 |
| Ceccarelli et al. (2014) | Reptilia | 10.1016/j.ympcv.2014.07.023 | Chamaeleonidae | <i>Trioceros</i> | 35 | 43 | 40 | 25 |
| Greenbaum et al. (2015) | Reptilia | 10.1080/21564574.2014.996189 | Lamprophiidae | <i>Boaedon</i> | 20.99 | 25.54 | 6 | 5 |

| <i>Reference</i> | % sp. sampled | Inferred vegetation zone | Altitude mean (m) | Altitude minimum (m) | Altitude maximum (m) | Altitude difference (m) | No. of occurrences used from GBIF after cleaning |
|---|---------------|---|-------------------|----------------------|----------------------|-------------------------|--|
| Monthe <i>et al.</i> (2019) | 100 | lowland | 360 | 7 | 1110 | 1103 | 392 |
| Schaefer & Renner (2010) | 98 | lowland | 650 | 1 | 2575 | 2574 | 1102 |
| Tosso <i>et al.</i> (2018) | 100 | lowland | 230 | 1 | 951 | 950 | 566 |
| Bohoussou <i>et al.</i> (2015) | 100 | lowland | 407 | 8 | 1149 | 1141 | 1904 |
| Bryja <i>et al.</i> (2014) | 100 | premontane | 1072 | 11 | 3431 | 3420 | 2652 |
| Cunha Almeida <i>et al.</i> (2016) | 47 | lowland | 496 | 2 | 2605 | 2603 | 5382 |
| Cunha Almeida <i>et al.</i> (2016) | 100 | premontane | 859 | 6 | 2638 | 2632 | 1024 |
| Dolotovskaya <i>et al.</i> (2017) | 100 | premontane | 951 | 1 | 2193 | 2192 | 479 |
| Dolotovskaya <i>et al.</i> (2017) | 100 | premontane | 851 | 1 | 2708 | 2707 | 524 |
| Guschanski <i>et al.</i> (2013) | 98 | lowland | 558 | 1 | 2708 | 2707 | 1873 |
| Hassanin <i>et al.</i> (2012) | 100 | lowland | 346 | 27 | 927 | 900 | 15 |
| Hassanin <i>et al.</i> (2015) | 100 | lowland | 521 | 12 | 1542 | 1530 | 132 |
| Johnston & Anthony (2012) | 100 | lowland | 528 | 2 | 1891 | 1889 | 226 |
| Mikula <i>et al.</i> (2016) | 100 | premontane | 898 | 1 | 2019 | 2018 | 959 |
| Nicolas <i>et al.</i> (2019) | 92 | premontane | 1218 | 44 | 3395 | 3351 | 2903 |
| Olayemi <i>et al.</i> (2012) | 100 | premontane | 745 | 2 | 2368 | 2366 | 1347 |
| Pozzi (2016) | 94 | lowland | 648 | 2 | 2502 | 2500 | 1506 |
| Springer <i>et al.</i> (2012) | 53 | lowland | 599 | 1 | 1947 | 1946 | 223 |
| Taylor <i>et al.</i> (2014) | 84 | montane | 1896 | 4 | 4518 | 4514 | 1731 |
| Gaubert <i>et al.</i> (2018) | 100 | premontane (based on genus <i>Smutsia</i> only) | 968 | 605 | 1174 | 569 | 7 |
| Ceccarelli <i>et al.</i> (2014) | 63 | montane | 1516 | 15 | 3404 | 3389 | 1377 |
| Greenbaum <i>et al.</i> (2015) | 83 | premontane | 790 | 2 | 2587 | 2585 | 1439 |

| <i>Reference</i> | <i>Clade</i> | <i>DOI or stable link</i> | <i>Family</i> | <i>Genus</i> | Crown age (Ma) | Stem age (Ma) | Total sp. in clade | Sampled sp. |
|--------------------------------------|--------------|----------------------------------|-----------------|---------------------|-----------------------|----------------------|---------------------------|--------------------|
| Leaché <i>et al.</i> (2014) | Reptilia | 10.1016/j.ympcv.2014.06.013 | Agamidea | <i>Agama</i> | 23 | 25 | 45 | 43 |
| Menegon <i>et al.</i> (2014) | Reptilia | 10.1016/j.ympcv.2014.06.007 | Viperidae | <i>Atheris</i> | 15 | 25 | 15 | 10 |
| Portillo <i>et al.</i> (2018) | Reptilia | 10.1016/j.ympcv.2018.03.019 | Atractaspidinae | <i>Aparallactus</i> | 24 | 28 | 11 | 7 |
| Tolley <i>et al.</i> (2011) | Reptilia | 10.1111/j.1365-2699.2011.02529.x | Chamaeleonidae | <i>Kinyongia</i> | 29 | 32 | 23 | 16 |
| Tolley <i>et al.</i> (2013) | Reptilia | 10.1098/rspb.2013.0184 | Chamaeleonidae | <i>Rieppeleon</i> | 25 | 35 | 4 | 3 |
| Tolley <i>et al.</i> (2013) | Reptilia | 10.1098/rspb.2013.0184 | Chamaeleonidae | <i>Bradypodion</i> | 12 | 45 | 34 | 17 |
| Tolley <i>et al.</i> (2013) | Reptilia | 10.1098/rspb.2013.0184 | Chamaeleonidae | <i>Rhampholeon</i> | 42 | 50 | 22 | 13 |
| Tolley <i>et al.</i> (2013) | Reptilia | 10.1098/rspb.2013.0184 | Chamaeleonidae | <i>Chamaeleo</i> | 39 | 47 | 14 | 13 |

| <i>Reference</i> | % sp. sampled | Inferred vegetation zone | Altitude mean (m) | Altitude minimum (m) | Altitude maximum (m) | Altitude difference (m) | No. of occurrences used from GBIF after cleaning |
|--------------------------------------|---------------|--------------------------|-------------------|----------------------|----------------------|-------------------------|--|
| Leaché <i>et al.</i> (2014) | 96 | premontane | 837 | 2 | 2236 | 2234 | 2830 |
| Menegon <i>et al.</i> (2014) | 67 | premontane | 1349 | 13 | 2355 | 2342 | 317 |
| Portillo <i>et al.</i> (2018) | 64 | premontane | 868 | 4 | 2310 | 2306 | 726 |
| Tolley <i>et al.</i> (2011) | 70 | montane | 1516 | 252 | 2799 | 2547 | 131 |
| Tolley <i>et al.</i> (2013) | 75 | lowland | 431 | 4 | 1830 | 1826 | 116 |
| Tolley <i>et al.</i> (2013) | 50 | premontane | 773 | 1 | 2250 | 2249 | 483 |
| Tolley <i>et al.</i> (2013) | 59 | premontane | 1281 | 16 | 2546 | 2530 | 256 |
| Tolley <i>et al.</i> (2013) | 93 | premontane | 1015 | 2 | 2906 | 2904 | 2355 |