# APPENDIX 1. Previous studies of hyolaryngeal anatomy frogs in the family Hylidae.

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| **Species** | **Larynx** | **Hyoid** |
| *Acris crepitans* (Baird, 1854) | Maglia et al. 2007 | Maglia et al. 2007 |
| *Acris gryllus* (LeConte, 1825)\* | Wilder, 1896; Blume, 1930 | Wilder, 1896; Blume, 1930 |
| *Agalychnis dacnicolor* (Cope, 1864) cited as *Phyllomedusa dacnicolor\** | Trewavas, 1933 | - |
| *Aplastodiscus perviridis* (Lutz, 1950) | Faivovich, 2002 | - |
| *Dendropsophus bogerti* (Cochran and Goin, 1970) cited as *Hyla bogerti* | Kaplan, 1999  | - |
| *Dendropsophus carnifex* (Duellman, 1969) cited as *Hyla carnifex* | Kaplan, 1999  | - |
| *Dendropsophus garagoensis* (Kaplan, 1991) cited as *Hyla garagoensis* | Kaplan, 1999  | - |
| *Dendropsophus praestans* (Duellman and Trueb, 1983) cited as *Hyla praestans* | Kaplan, 1999  | - |
| *Dryophytes chrysoscelis* (Cope, 1880) cited as *Hyla chrysoscelis* | Shearman and Maglia, 2014 | Shearman and Maglia, 2014 |
| *Dryophytes cinereus* (Schneider, 1799) cited as *Hyla cinerea-evittata* | Blume, 1930 | Blume, 1930 |
| *Dryophytes squirellus* (Daudin, 1800) cited as *Hyla squirella* | Fears, 2010 | - |
| *Dryophytes versicolor* (LeConte, 1825) cited as *Hyla versicolor* | Wilder, 1896; Trewavas, 1933 | Wilder, 1896 |
| *Dryopsophus aureus* (Lesson, 1829) cited as *Hyla aurea* | Trewavas, 1933 | - |
| *Dryopsophus caeruleus* (White, 1790) cited as *Hyla caerulea*  | Trewavas, 1933 | Parker, 1881 |
| *Dryopsophus phyllochrous* (Günther, 1863) cited as *Hyla phyllochroa* | - | Parker, 1881 |
| *Gastrotheca marsupiata* (Duméril and Bibron, 1841) cited as *Nototrema marsupiatum* | - | Parker, 1881 |
| *Gastrotheca riobambae* (Fowler, 1913)\* | Haas, 1999 | Haas, 1999 |
| *Hyla annectens* (Jerdon, 1870) | Trewavas, 1933 | - |
| *Hyla arborea* (Linnaeus, 1758) | Blume, 1930; Schneider, 1970; Eichelberg and Schneider, 1974 | Blume, 1930; Schneider, 1970; Eichelberg and Schneider, 1974 |
| *Hyla meridionalis* (Boettger, 1874)\* | Schneider, 1970; Kaplan, 1999  | Schneider, 1970 |
| *Hyla rubra* (Daudin 1802) | Parker, 1881; Trewavas, 1933 | Parker, 1881 |
| *Hypsiboas albomarginata* (Spix, 1824) cited as *Hyla albomarginata* | - | Parker, 1881 |
| *Hypsiboas faber* (Wied-Neuwied, 1821) cited as *Hyla faber* | Blume, 1930 | Blume, 1930 |
| *Hypsiboas punctatus* (Schneider, 1799) cited as *Hyla punctata* | Henle, 1839 | - |
| *Hypsiboas raniceps* (Cope, 1862) cited as *Hyla raniceps* | Faivovich, 2002 | - |
| *Litoria bicolor* (Gray, 1842) cited as *Hyla bicolor* | - | Parker, 1881 |
| *Litoria ewingii* (Duméril and Bibron, 1841) cited as *Hyla ewingii* | Trewavas, 1933 | Parker, 1881 |
| *Niceforonia columbiana* (Werner, 1899) cited as *Hyla columbiana* | Kaplan, 1999  | - |
| *Ololygon albicans* (Bokermann, 1967)cited as *Scinax albicans* | Faivovich, 2002 | Faivovich, 2002 |
| *Ololygon littoralis* (Pombal and Gordo, 1991) cited as *Scinax littoralis* | Faivovich, 2002 | - |
| *Phyllomedusa bicolor* (Boddaert, 1772) | - | Parker, 1881 |
| *Phyllomedusa rohdei* (Mertens, 1926) cited as *Phyllomedusa moschata* | Blume, 1930 | Blume, 1930 |
| *Pseudacris brachyphona* (Cope, 1889) | - | Gaudin, 1974 |
| *Pseudacris crucifer* (Wied-Neuwied, 1838) cited as *Hyla pickeringii\** | Wilder, 1896; Blume, 1930; Havens, 2010 | Wilder, 1896; Blume, 1930; Havens, 2010 |
| *Pseudacris feriarum* (Baird, 1854) cited as *Chorophilus feriarum* | Wilder, 1896; Blume, 1930 | Wilder, 1896; Blume, 1930 |
| *Scinax fuscomarginatus* (Lutz, 1925) cited as *Scinax fuscomarginata* | Faivovich, 2002 | - |
| *Scinax perereca* (Pombal, Haddad, and Kasahara, 1995) | Faivovich, 2002 | Faivovich, 2002 |
| *Scinax ruber* (Linnaeus, 1758) cited as *Scinax rubra\** | Kaplan, 1999  | - |
| *Smilisca baudini* (Duméril and Bibron, 1841) | - | Duellman and Trueb, 1966 |
| *Sphaenorhynchus lacteus* (Daudin, 1800) cited as *Hyla sceleton* | Henle, 1839 | - |
| *Trachycephalus typhonius* (Linnaeus, 1758) cited as *Hyla venulosa\** | Henle, 1839 | - |

\*Drawing contribution in this study