**Table S1: Some of the fossorial tadpoles recorded from five of the anuran families— Arthroleptidae, Centrolenidae, Megophryidae, Microhylidae and Ranidae—and their corresponding references.**

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| --- | --- | --- |
| Family | Species | References |
| Centrolenidae | *Centrolene hesperium* | Cadle & McDiarmid, 1990 |
|  | *Centrolene savagei* | Diaz-Gutierrez *et al.* 2013 |
|  | *Centrolene daidaleum* | Rada *et al.* 2007 |
|  | *Cochranella* *granulosa* | Hoffmann, 2010 |
|  |  | Starrett, 1960 |
|  |  | Hoff *et al,* 1999 |
|  | *Cochranella* *resplendens* | Teran-Valdez *et al,* 2009 |
|  | *Espadarana andina* | Mijares-Urrutia, 1990 |
|  | *Espadarana* *prosoblepon* | Starrett 1960 |
|  | *Hyalinobatrachium aureoguttatum* | Teran-Valdez *et al,* 2009 |
|  | *Hyalinobatrachium cappellei* | Noonan & Bonett, 2003 |
|  | *Hyalinobatrachium colymbiphyllum* | Jaramillo *et al,* 1997 |
|  | *Hyalinobatrachium fleischmanni* | Starrett, 1960 |
|  |  | Wassersug & Hoff, 1979 |
|  |  | Villa & Valerio, 1982 |
|  | *Hyalinobatrachium ibama* | Rada *et al* 2007 |
|  | *Nymphargus grandisonae* | Ospina-Sarria *et al* 2011 |
|  | *Teratohyla pulverata* | Hoffmann, 2004 |
|  | *Teratohyla spinosa* | Starrett, 1960 |
|  | *Vitreorana eurygnatha* | Heyer, 1985 |
|  | *Vitreorana ritae* | Menin *et al,* 2009 |
| Microhylidae | *Otophryne pyburni* | Pyburn, 1980 |
|  |  | Wassersug & Pyburn, 1987 |
|  |  | Campbell & Clarke, 1998 |
|  |  | MacCulloch *et al,* 2008 |
|  |  | Hoff *et al,* 1999 |
|  | *Otophryne steyermarki* | MacCulloch et al, 2008 |
|  | *Scaphiophryne gottlebei* | Mercurio & Andreone, 2006 |
| Megophryidae | *Leptobrachella mjobergi* | Haas *et al,* 2006 |
|  |  | Inger, 1985 |
|  |  | Handrigan *et al,* 2007 |
|  | *Leptolax* spp. | Inger, 1985 |
|  |  | Handrigan *et al,* 2007 |
|  |  | Wells, 2007 |
| Arthroleptidae | *Cardioglossa leucomystax* | Lamotte, 1961 |
|  | *Cardioglossa manengouba* | Blackburn, 2008 |
|  |  | Hirschfeld *et al,* 2012 |
|  | *Cardioglossa melanogaster* | Hirschfeld *et al,* 2012 |
| Ranidae | *Staurois guttatus* | Haas & Das, 2012 |
|  |  | Preininger *et al*, 2012 |
|  | *Staurois natator* | Malkamus *et al,* 1999 |
|  | *Staurois tuberlinguis* | Malkamus *et al,* 1999 |
|  | *Staurois parvus* | Preininger *et al,* 2012 |
|  | *Staurois spp* | Inger & Wassersug, 1990 |

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