**Appendix S2.** Distribution of endemic species to the Lower Río de la Plata Basin, and the literature used to obtain the localities.

References: U-PA= Upper Paraná river; IBE= Iberá Wetlands; M-PA= Middle Paraná river; L-PY= Lower Paraguay river; U-UY= Upper Uruguay river; M-UY= Middle Uruguay river; U-DE= Upper Delta; L-DE= Lower Delta; RLP= Río de la Plata. The different shades of gray represent the three areas with major taxa overlapping.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Taxa | U-PA | IBE | M-PA | L-PY | U-UY | M-UY | U-DE | L-DE | RLP | Literature |
| Plantae |  | *Aeschynomene lorentziana* |  |  |  |  | x | x |  |  |  | Burkart, 1969-1987; Fortunato, 2008 |
|  | *Amauropelta burkartii* |  |  |  |  |  |  |  | x | x | Ponce, 1987; 2016 |
|  | *Amauropelta decurtata* var. *platensis* |  |  |  |  |  |  |  | x | x | Ponce, 1987; 2016 |
|  | *Araujia megapotamica* |  |  | x |  | x | x |  | x |  | Ezcurra *et al.,* 2008 |
|  | *Baccharis albida* |  |  | x | x |  |  | x |  |  | Giulliano & Plos, 2014 |
|  | *Baccharis frenguellii* |  |  | x | x |  |  | x |  |  | Giulliano & Plos, 2014 |
|  | *Baccharis pedersenii* | x | x | x | x | x | x |  |  |  | Giulliano & Plos, 2014 |
|  | *Baccharis penningtonii* | x | x | x | x | x | x | x | x | x | Giulliano & Plos, 2014 |
|  | *Baccharis phyteuma* | x |  | x |  | x | x | x | x |  | Cabrera, 1963-1970; Freire, 2008 |
|  | *Baccharis phyteumoides* |  |  |  |  |  |  | x | x | x | Giulliano & Plos, 2014 |
|  | *Canna ascendens* |  |  |  |  |  |  |  | x | x | Ciciarelli, 2007 |
|  | *Cleome titubans* |  |  |  |  |  |  |  | x | x | Cabrera, 1963-1970; Costa e Silva, 2008 |
|  | *Commelina erecta* fo. *dielsii* |  |  |  |  | x | x |  |  |  | Bacigalupo & Hurrel, 2009 |
|  | *Cyperus berroi* |  |  |  |  |  |  |  | x | x | Cabrera, 1963-1970; Guaglianone, 2008 |
|  | *Echinochloa helodes* |  |  | x | x | x |  | x | x | x | Morrone *et al.*, 2008 |
|  | *Eryngium mesopotamicum* | x | x | x | x | x | x | x | x | x | Martínez, 2008; Pedersen, 1997 |
|  | *Eupatorium cabrerae* |  |  |  |  |  |  |  |  | x | Cabrera, 1963-1970 |
|  | *Funastrum flavum* | x |  |  |  | x | x |  | x | x | Ezcurra *et al.,* 2008 |
|  | *Habranthus correntinus* | x |  |  |  |  |  |  |  |  | Roitman *et al.,* 2008 |
|  | *Isoetes ekmanii* | x | x |  |  |  |  |  | x | x | de la Sota & Jankowski, 1996; Giudice *et al.,* 2011 |
|  | *Lathyrus nigrivalvis* |  |  | x | x |  |  |  |  |  | Burkart, 1969-1987; Fortunato, 2008 |
|  | *Lupinus albescens* | x | x | x |  | x | x |  | x | x | Burkart, 1969-1987; Fortunato, 2008; Izaguirre & Beyhaut, 1997 |
|  | *Lycium vimineum* |  | x | x |  |  |  | x | x |  | Barbosa, 2008 |
|  | *Microgramma mortoniana* |  |  |  |  | x | x |  | x | x | de la Sota, 1973 |
|  | *Mimosa amphigena* |  |  |  |  | x | x |  |  |  | Burkart, 1969-1987; Fortunato, 2008 |
|  | *Mimosa bonplandii* |  |  |  |  |  |  | x | x | x | Cabrera, 1963-1970; Burkart, 1969-1987 |
|  | *Mimosa obstrigosa* |  |  |  |  | x | x |  |  |  | Burkart, 1969-1987; Fortunato, 2008 |
|  | *Ophioglossum crotalophoroides* var. *nanum* |  |  |  | x |  |  |  |  |  | Giudice et al., 2011 |
|  | *Oplismenopsis* | x | x | x | x | x |  | x | x | x | Morrone *et al.,* 2008 |
|  | *Oxypetalum sylvestre* | x | x | x | x | x | x | x | x | x | Ezcurra *et al.,* 2008 |
|  | *Paspalum haumanii* | x | x | x | x | x | x | x | x | x | Morrone *et al.,* 2008 |
|  | *Platythelys platensis* |  |  | x | x |  |  |  | x | x | Correa Sanchez, & Hurrel, 2009; Schinini *et al.*, 2008 |
|  | *Rhynchospora corymbosa var bonariensis* | x | x | x |  |  |  | x | x | x | Guaglialione, 1996, 2008 |
|  | *Rorippa bonariensis* var. *burkartii* | x |  |  |  | x | x |  |  |  | Al-shehbaz, 2008 |
|  | *Rorippa bonariensis* var. *chacoensis* |  |  | x | x |  |  |  |  |  | Al-shehbaz, 2008 |
|  | *Sagina humifusa* |  |  | x |  |  | x |  | x |  | Cabrera, 1963-1970; Morrone *et al.,* 2008 |
|  | *Scirpus giganteus* | x | x | x | x | x | x | x | x | x | Guaglialione, 1996; 2008 |
|  | *Setaria stolonifera* |  |  | x |  | x |  |  |  |  | Morrone et al., 2008 |
|  | *Solanum pedersenii* |  |  | x |  |  |  |  |  |  | Barbosa, 2008 |
|  | *Thelypteris abbiattii* |  |  |  |  | x |  |  | x | x | Ponce, 1987; 2016 |
|  | *Vicia epetiolaris* | x | x | x | x | x | x | x | x | x | Burkart, 1969-1987; Fortunato, 2008; Izaguirre & Beyhaut, 1997 |
|  | *Vicia macrograminea* | x | x | x | x |  | x | x | x | x | Burkart, 1969-1987; Fortunato, 2008; Izaguirre & Beyhaut, 1997 |
|  | *Vicia platensis* |  |  |  |  |  |  |  | x | x | Cabrera, 1963-1970; Burkart, 1970-1987; Izaguirre & Beyhaut, 1997 |
|  | *Zizaniopsis bonariensis* | x | x | x | x | x | x | x | x | x | Morrone *et al.,* 2008 |
|  | *Zizaniopsis villanensis* |  |  | x |  |  |  |  |  |  | Morrone *et al.,* 2008 |
|  | *Solanum platense* | x |  | x |  | x | x | x | x | x | Barbosa, 2008 |
|  | *Solanum bonariense* |  |  |  |  |  |  |  | x | x | Barbosa, 2008 |
|  | *Jaborosa runcinata* |  |  | x |  |  | x | x | x | x | Barbosa, 2008 |
| Tetrapoda |  | *Argenteohyla* | x | x |  |  |  |  | x | x | x | Lavilla, Kwet, *et al.,* 2004 |
|  | *Argenteohyla siemersi pederseni* | x | x |  |  |  |  |  |  |  | Lavilla, Kwet*, et al.,* 2004 |
|  | *Argenteohyla siemersi siemersi* |  |  |  |  |  |  | x | x | x | Lavilla, Kwet, *et al.,* 2004; Zaracho & Areta, 2008 |
|  | *Bibimys torresi* |  |  |  |  |  |  |  | x |  | Pardiñas, D´Elia, & Teta, 2015 |
|  | *Colobosaura kraepelini* |  |  |  | x |  |  |  |  |  | Cacciali *et al.*, 2017 |
|  | *Deltamys kempi kempi* |  |  |  |  |  |  |  | x | x | Montes *et al.,* 2008 |
|  | *Erythrolamprus jaegeri coralliventris* | x | x | x | x | x | x | x | x | x | Arzamendia & Giraudo, 2009; Giraudo *et al.*, 2006 |
|  | *Erythrolamprus semiaureus* | x | x | x | x |  | x | x | x | x | Arzamendia & Giraudo, 2009; Giraudo *et al.*, 2006 |
|  | *Helycops infrataeniatus* | x |  | x | x | x | x | x | x | x | Arzamendia & Giraudo, 2009; Giraudo *et al.*, 2006 |
|  | *Oxymycterus josei* |  |  |  |  |  |  |  |  | x | Queirolo, 2016 |
|  | *Physalaemus santafecinus* | x | x | x | x |  |  |  |  |  | Lavilla, Céspedez *et al.*, 2004; Brusquetti & Netto, 2009 |
|  | *Scapteromys aquaticus* | x | x | x | x | x |  | x | x | x | D´Elia & Pardiñas, 2015 |
|  | *Sporophila palustris* |  |  |  |  | x | x |  |  |  | BirdLife International, 2017 |
| Chilopoda |  | *Dinogeophilus pauropus* |  |  |  |  |  | x |  |  |  | Pereira, 1984 |
|  | *Schendylops anamariae* |  |  |  |  |  | x |  |  |  | Morrone & Pereira, 1999 |
|  | *Schendylops interfluvius* |  |  |  |  |  | x |  |  |  | Morrone & Pereira, 1999 |
| Arachnida |  | *Almafuerte vigorosa* |  | x |  |  |  |  |  |  |  | Grismado & López Carrión, 2017 |
|  | *Hernandaria scabricula* | x |  | x | x | x | x | x | x | x | Ringuelet, 1959 |
|  | *Sympathica* *formosa* |  |  |  |  |  |  |  |  | x | Ringuelet, 1959 |
|  | *Jollas manantiales* |  | x | x |  |  |  | x | x |  | Galiano, 1989 |
|  | *Jollas paranacito* |  |  |  |  |  |  |  | x |  | Galiano, 1989 |
|  | *Jollas puntalara* |  |  |  |  |  |  |  |  | x | Galiano, 1989 |
|  | *Mastophora conifera* |  |  | x |  |  |  | x | x |  | Levi, 2003 |
|  | *Mesabolivar uruguayensis* |  |  |  |  | x | x |  |  |  | Machado *et al.*, 2013; Torres *et al.,* 2015 |
|  | *Polybetes punctulatus* |  |  |  |  |  |  |  | x | x | Gerschman de Pikelin & Schiapelli, 1965 |
|  | *Progonyleptes borellii* |  |  | x | x |  |  |  |  |  | Ringuelet, 1959 |
|  | *Pucrolia minuta* | x |  | x | x | x | x |  |  |  | Ringuelet, 1959 |
|  | *Stenoterommata tenuistylum* |  |  |  |  |  |  | x | x |  | Goloboff, 1995 |
|  | *Varinodulia* |  |  |  |  |  |  |  |  | x | Ringuelet, 1959 |
|  | *Verita* |  |  | x |  |  |  |  |  |  | Ramirez & Grismado 2015 |
| Insecta |  | *Atrichonotus marginatus* |  |  |  |  |  |  |  | x | x | Lanteri & O´Brien, 1990 |
|  | *Cyrtomon glaucus* |  |  |  |  |  |  |  |  | x | Lanteri & del Río, 2016 |
|  | *Eurymetopus unicolor* |  |  |  |  |  | x | x | x | x | del Río *et al.*, 2015 |
|  | *Ochlerotatus jorgi* |  |  |  |  |  |  |  |  | x | Carpintero & Leguizamón, 2000 |
|  | *Staurophlebia bosqi* |  |  |  |  |  |  |  | x |  | Von Ellenrieder, 2009 |
| Entognatha |  | *Tullbergia alcirae* |  |  |  |  |  |  |  |  | x | Palacios-Vargas & Salazar Martínez, 2014 |
| Gastropoda |  | *Bulimulus vesicalis vesicalis* |  |  |  |  |  |  | x | x |  | Miquel, 1991 |

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