**Table S1.** Tadpole abundance for 28 waterbodies in areas of Atlantic Forest in southern Brazil, recorded from October 2018 to March 2019. P = Pond; S = Stream

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Family/Species | 1  P | 2  S | 3  S | 4  P | 5  S | 6  P | 7  S | 8  P | 9  S | 10  P | 11  S | 12  P | 13  S | 14  P |
| BUFONIDAE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Rhinella henseli* (Lutz, 1934) | 0 | 0 | 0 | 0 | 119 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 |
| *Rhinella icterica* (Spix, 1824) | 0 | 0 | 0 | 0 | 0 | 400 | 1 | 0 | 0 | 0 | 0 | 40 | 0 | 0 |
| HYLIDAE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Aplastodiscus perviridis* Lutz 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Boana* cf. *curupi* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Boana curupi* (Garcia, Faivovichi and Haddad, 2007) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Boana faber* (Wied - Neuwied 1821) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 1 | 53 | 1 | 0 | 0 | 124 |
| *Boana leptolineata* (Braun and Braun, 1977) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Boana prasina* (Burmeister, 1856) | 0 | 67 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Boana pulchella* (Duméril and Bibron,1841) | 0 | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Dendropsophus microps* (Peters, 1872) | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 9 | 0 |
| *Dendropsophus minutus* (Peters, 1872) | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 5 | 14 | 18 |
| *Scinax fuscovarius* (Lutz, 1925) | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 0 | 9 | 0 |
| *Scinax granulatus* (Peters, 1871) | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 5 | 9 | 0 |
| *Scinax perereca* Pombal, Haddad and Kasahara, 1995 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 |
| HYLODIDAE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Crossodactylus schmidti* Gallardo, 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 124 | 0 | 55 | 0 | 0 | 0 | 0 | 0 |
| LEPTODACTYLIDAE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Leptodactylus latrans* (Steffen, 1815) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 |
| *Physalaemus cuvieri* Fitzinger, 1826 | 6 | 0 | 0 | 1 | 39 | 0 | 0 | 0 | 0 | 6 | 0 | 110 | 53 | 0 |
| *Physalaemus* cf. *carrizorum* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 0 |
| MICROHYLIDAE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Elachistocleis bicolor* (Guérin-Méneville, 1838) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| ODONTOPHRYNIDAE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Proceratophrys avelinoi* Mercadal de Barrio and Barrio, 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PHYLLOMEDUSIDAE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Phyllomedusa tetraploidea* Pombal and Haddad, 1992 | 0 | 0 | 0 | 88 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| RANIDAE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Lithobates catesbeianus* (Shaw 1802) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 10 | 0 | 0 | 0 | 0 |
| Total abundance | 11 | 76 | 23 | 100 | 170 | 400 | 126 | 98 | 56 | 89 | 19 | 162 | 105 | 142 |
| Total richness | 2 | 2 | 3 | 3 | 3 | 1 | 3 | 8 | 2 | 5 | 4 | 5 | 6 | 2 |
| Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Family/Species | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
|  | S | S | P | S | P | S | S | P | S | S | P | S | P | S |
| BUFONIDAE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Rhinella henseli* (Lutz, 1934) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Rhinella icterica* (Spix, 1824) | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HYLIDAE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Aplastodiscus perviridis* Lutz 1950 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Boana* cf. *curupi* | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 30 | 37 | 0 | 0 | 0 | 0 |
| *Boana curupi* (Garcia, Faivovichi and Haddad, 2007) | 50 | 98 | 0 | 0 | 0 | 0 | 43 | 0 | 6 | 41 | 0 | 0 | 0 | 0 |
| *Boana faber* (Wied - Neuwied 1821) | 1 | 0 | 14 | 91 | 48 | 0 | 0 | 10 | 0 | 0 | 40 | 6 | 0 | 0 |
| *Boana leptolineata* (Braun and Braun, 1977) | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Boana prasina* (Burmeister, 1856) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Boana pulchella* (Duméril and Bibron,1841) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Dendropsophus microps* (Peters, 1872) | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 40 | 0 | 0 | 14 | 0 | 0 | 0 |
| *Dendropsophus minutus* (Peters, 1872) | 1 | 0 | 0 | 0 | 53 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| *Scinax fuscovarius* (Lutz, 1925) | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Scinax granulatus* (Peters, 1871) | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Scinax perereca* Pombal, Haddad and Kasahara, 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 90 | 67 |
| HYLODIDAE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Crossodactylus schmidti* Gallardo, 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 118 | 0 | 0 |
| LEPTODACTYLIDAE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Leptodactylus latrans* (Steffen, 1815) | 0 | 0 | 0 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Physalaemus cuvieri* Fitzinger, 1826 | 0 | 0 | 0 | 0 | 28 | 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Physalaemus* cf. *carrizorum* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICROHYLIDAE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Elachistocleis bicolor* (Guérin-Méneville, 1838) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ODONTOPHRYNIDAE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Proceratophrys avelinoi* Mercadal de Barrio and Barrio, 1993 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PHYLLOMEDUSIDAE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Phyllomedusa tetraploidea* Pombal and Haddad, 1992 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 56 | 0 | 0 | 0 |
| RANIDAE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Lithobates catesbeianus* (Shaw 1802) | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total abundance | 63 | 104 | 21 | 163 | 147 | 66 | 114 | 99 | 36 | 78 | 112 | 124 | 90 | 67 |
| Total richness | 6 | 2 | 2 | 2 | 6 | 2 | 3 | 7 | 2 | 2 | 4 | 2 | 1 | 1 |
| Total |  |  |  |  |  |  |  |  |  |  |  |  |  | 2,861 |