**Supplemental Table A.** Niche Overlap in Microhabitat Use and Diet (Bold) of the Anuran Assemblage in Rainy Season of the Guaribas Biological Reserve REBIO, Atlantic Forest. *D. b.* – *Dendropsophus branneri*; *D. e.* – *Dendropsophus elegans*; *D. m.* – *Dendropsophus minutus*; *D. n.* – *Dendropsophus nanus*; *D. o.* – *Dendropsophus oliveirai*; *B. a.* – *Boana albomarginata*; *B. f.* – *Boana faber*; *B. r.* – *Boana raniceps*; *P. r.* – *Pristimantis ramagii*; *L. m.* – *Leptodactylus macrosternum*; *L. n.* – *Leptodactylus nanus*; *L. t.* – *Leptodactylus troglodytes*; *L. v.* – *Leptodactylus vastus*; *L. p.* – *Lithobates palmipes*; *P. n.* – *Pithecopus nordestinus*; *P. c.* – *Physalaemus cuvieri*; *P. d.* – *Pleurodema diplolister*; *P. m.* – *Pseudopaludicola mystacalis*; *R. j.* – *Rhinella jimi*; *S. c.* – *Scinax cretatus*; *S. e.* – *Scinax eurydice*; *S. f.* – *Scinax fuscomarginatus; S. n.* – *Scinax nebulosus*; *S. xs* – *Scinax x-signatus*; *D. mu* – *Dermatonotus muelleri*.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Species | *D.b.* | *D.e.* | *D.m.* | *D.n.* | *D.o.* | *B.a.* | *B.f.* | *B.r.* | *P.r.* | *L.m.* | *L.n.* | *L.t.* | *L.v.* | *L.p.* | *P.n.* | *P.c.* | *P.d.* | *P.m.* | *R.j.* | *S.c.* | *S.e.* | *S.f.* | *S.n.* | *S.xs.* | *D.mu* |
| *D. branneri* |  | 0.02**0.00** | 0.76**0.02** | 0.96**0.01** | 0.60**0.27** | 0.42**0.00** | 0.00**0.00** | 0.05**0.00** | 0.05**0.00** | 0.00**0.00** | 0.00**0.00** | 0.00**0.27** | 0.00**0.00** | 0.00**0.03** | 0.36**0.00** | 0.00**0.00** | 0.00**0.00** | 0.00**0.27** | 0.00**0.03** | 0.82**0.00** | 0.75**0.00** | 0.96**0.00** | 0.98**0.00** | 0.18**0.00** | -**0.03** |
| *D. elegans* | 0.02**0.00** |  | 0.00**0.00** | 0.00**0.00** | 0.00**0.00** | 0.31**0.00** | 0.00**0.33** | 0.00**0.00** | 0.00**0.00** | 0.27**0.01** | 0.41**0.11** | 0.00**0.00** | 0.04**0.00** | 0.16**0.00** | 0.24**0.01** | 0.14**0.01** | 0.31**0.03** | 0.44**0.00** | 0.00**0.00** | 0.00**0.00** | 0.15**0.00** | 0.00**0.00** | 0.00**0.00** | 0.24**0.00** | -**0.00** |
| *D. minutus* | 0.76**0.02** | 0.00**0.00** |  | 0.56**0.00** | 0.97**0.08** | 0.53**0.00** | 0.00**0.00** | 0.02**0.00** | 0.02**0.00** | 0.01**0.00** | 0.01**0.00** | 0.02**0.08** | 0.00**0.00** | 0.00**0.01** | 0.80**0.00** | 0.00**0.00** | 0.00**0.00** | 0.00**0.08** | 0.02**0.01** | 0.92**0.00** | 0.68**0.00** | 0.56**0.00** | 0.60**0.99** | 0.44**0.00** | -**0.00** |
| *D. nanus* | 0.96**0.01** | 0.00**0.00** | 0.56**0.00** |  | 0.36**0.00** | 0.27**0.00** | 0.00**0.00** | 0.00**0.00** | 0.00**0.00** | 0.00**0.09** | 0.00**0.00** | 0.00**0.04** | 0.00**0.00** | 0.00**0.03** | 0.10**0.00** | 0.00**0.00** | 0.00**0.00** | 0.00**0.01** | 0.00**0.00** | 0.66**0.00** | 0.68**0.00** | 0.99**0.00** | 0.99**0.00** | 0.00**0.00** | -**0.00** |
| *D. oliveirai* | 0.60**0.27** | 0.00**0.00** | 0.97**0.08** | 0.36**0.00** |  | 0.50**0.01** | 0.00**0.00** | 0.00**0.00** | 0.00**0.01** | 0.00**0.00** | 0.00**0.02** | 0.00**0.99** | 0.00**0.00** | 0.00**0.11** | 0.87**0.01** | 0.00**0.01** | 0.00**0.01** | 0.00**0.99** | 0.00**0.11** | 0.85**0.00** | 0.57**0.00** | 0.36**0.01** | 0.41**0.00** | 0.47**0.01** | -**0.00** |
| *B. albomarginata* | 0.42**0.00** | 0.31**0.00** | 0.53**0.00** | 0.27**0.00** | 0.50**0.01** |  | 0.02**0.10** | 0.76**0.63** | 0.77**0.78** | 0.08**0.04** | 0.03**0.55** | 0.08**0.01** | 0.02**0.00** | 0.02**0.01** | 0.78**0.99** | 0.00**0.80** | 0.00**0.11** | 0.00**0.01** | 0.09**0.00** | 0.62**0.00** | 0.42**0.05** | 0.27**0.38** | 0.34**0.00** | 0.85**0.34** | -**0.00** |
| *B. faber* | 0.00**0.00** | 0.00**0.33** | 0.00**0.00** | 0.00**0.00** | 0.00**0.00** | 0.02**0.10** |  | 0.09**0.76** | 0.00**0.08** | 0.19**0.03** | 0.07**0.04** | 0.22**0.00** | 0.99**0.00** | 0.75**0.00** | 0.00**0.04** | 0.79**0.00** | 0.69**0.68** | 0.00**0.00** | 0.40**0.00** | 0.08**0.50** | 0.58**0.75** | 0.00**0.22** | 0.00**0.00** | 0.08**0.14** | -**0.00** |
| *B. raniceps* | 0.05**0.00** | 0.00**0.00** | 0.02**0.00** | 0.00**0.00** | 0.00**0.00** | 0.76**0.63** | 0.09**0.76** |  | 0.92**0.35** | 0.30**0.04** | 0.12**0.25** | 0.34**0.00** | 0.07**0.00** | 0.09**0.00** | 0.32**0.57** | 0.00**0.49** | 0.00**0.65** | 0.00**0.00** | 0.37**0.00** | 0.28**0.29** | 0.13**0.54** | 0.00**0.21** | 0.05**0.00** | 0.76**0.08** | -**0.00** |
| *P. ramagii* | 0.05**0.00** | 0.00**0.00** | 0.02**0.00** | 0.00**0.00** | 0.00**0.01** | 0.77**0.78** | 0.00**0.08** | 0.92**0.35** |  | 0.00**0.06** | 0.01**0.58** | 0.04**0.02** | 0.01**0.00** | 0.07**0.01** | 0.35**0.77** | 0.00**0.42** | 0.00**0.08** | 0.00**0.00** | 0.00**0.00** | 0.16**0.00** | 0.00**0.03** | 0.00**0.86** | 0.06**0.00** | 0.71**0.83** | -**0.00** |
| *L. macrosternum* | 0.00**0.00** | 0.27**0.01** | 0.01**0.00** | 0.00**0.09** | 0.00**0.00** | 0.08**0.04** | 0.19**0.03** | 0.30**0.04** | 0.00**0.06** |  | 0.81**0.08** | 0.77**0.00** | 0.21**0.00** | 0.41**0.00** | 0.00**0.04** | 0.19**0.04** | 0.43**0.06** | 0.60**0.00** | 0.78**0.00** | 0.26**0.00** | 0.28**0.01** | 0.00**0.06** | 0.00**0.00** | 0.37**0.05** | -**0.00** |
| *L. natalensis* | 0.00**0.00** | 0.41**0.11** | 0.00**0.00** | 0.00**0.00** | 0.00**0.02** | 0.03**0.55** | 0.07**0.04** | 0.12**0.25** | 0.01**0.58** | 0.81**0.08** |  | 0.34**0.01** | 0.16**0.00** | 0.49**0.01** | 0.00**0.00** | 0.30**0.56** | 0.66**0.43** | 0.94**0.00** | 0.31**0.00** | 0.10**0.00** | 0.11**0.00** | 0.00**0.40** | 0.00**0.00** | 0.27**0.40** | -**0.00** |
| *L. troglodytes* | 0.00**0.27** | 0.00**0.00** | 0.02**0.08** | 0.00**0.04** | 0.00**0.99** | 0.08**0.01** | 0.22**0.00** | 0.34**0.00** | 0.04**0.02** | 0.72**0.00** | 0.34**0.00** |  | 0.21**0.00** | 0.42**0.11** | 0.00**0.01** | 0.00**0.00** | 0.00**0.00** | 0.00**0.99** | 0.90**0.11** | 0.29**0.00** | 0.31**0.00** | 0.00**0.02** | 0.00**0.00** | 0.30**0.02** | -**0.00** |
| *L. vastus* | 0.00**0.00** | 0.04**0.00** | 0.00**0.00** | 0.00**0.00** | 0.00**0.00** | 0.02**0.00** | 0.99**0.00** | 0.07**0.00** | 0.01**0.00** | 0.21**0.00** | 0.16**0.00** | 0.21**0.00** |  | 0.82**0.80** | 0.00**0.00** | 0.82**0.00** | 0.75**0.00** | 0.10**0.00** | 0.36**0.79** | 0.06**0.00** | 0.57**0.00** | 0.00**0.00** | 0.00**0.00** | 0.08**0.00** | -**0.80** |
| *L. palmipes* | 0.00**0.03** | 0.16**0.00** | 0.00**0.01** | 0.00**0.03** | 0.00**0.11** | 0.02**0.01** | 0.75**0.00** | 0.09**0.00** | 0.07**0.01** | 0.41**0.00** | 0.49**0.01** | 0.42**0.11** | 0.82**0.80** |  | 0.00**0.01** | 0.70**0.00** | 0.76**0.00** | 0.37**0.11** | 0.38**0.99** | 0.08**0.00** | 0.45**0.00** | 0.00**0.00** | 0.01**0.00** | 0.22**0.00** | -**0.99** |
| *P. nordestinus* | 0.36**0.00** | 0.24**0.01** | 0.80**0.00** | 0.10**0.00** | 0.87**0.01** | 0.78**0.99** | 0.00**0.04** | 0.32**0.57** | 0.35**0.77** | 0.00**0.04** | 0.00**0.56** | 0.00**0.01** | 0.00**0.00** | 0.00**0.01** |  | 0.00**0.80** | 0.00**0.04** | 0.00**0.01** | 0.00**0.00** | 0.71**0.00** | 0.42**0.02** | 0.10**0.35** | 0.17**0.00** | 0.74**0.34** | -**0.00** |
| *P. cuvieri* | 0.00**0.00** | 0.14**0.01** | 0.00**0.00** | 0.00**0.00** | 0.00**0.01** | 0.00**0.80** | 0.79**0.00** | 0.00**0.49** | 0.00**0.42** | 0.19**0.04** | 0.30**0.56** | 0.00**0.00** | 0.82**0.00** | 0.70**0.00** | 0.00**0.80** |  | 0.80**0.13** | 0.32**0.00** | 0.14**0.02** | 0.00**0.00** | 0.42**0.00** | 0.00**0.00** | 0.00**0.00** | 0.06**0.00** | -**0.00** |
| *P. diplolister* | 0.00**0.00** | 0.31**0.03** | 0.00**0.00** | 0.00**0.00** | 0.00**0.01** | 0.00**0.11** | 0.69**0.68** | 0.00**0.65** | 0.00**0.08** | 0.43**0.06** | 0.66**0.43** | 0.00**0.00** | 0.75**0.00** | 0.76**0.00** | 0.00**0.04** | 0.80**0.13** |  | 0.71**0.00** | 0.12**0.00** | 0.00**0.00** | 0.36**0.29** | 0.00**0.23** | 0.00**0.00** | 0.12**0.00** | -**0.00** |
| *P. mystacalis* | 0.00**0.27** | 0.44**0.00** | 0.00**0.08** | 0.00**0.01** | 0.00**0.99** | 0.00**0.01** | 0.00**0.00** | 0.00**0.00** | 0.00**0.00** | 0.60**0.00** | 0.94**0.00** | 0.00**0.99** | 0.10**0.00** | 0.37**0.11** | 0.00**0.01** | 0.32**0.00** | 0.71**0.00** |  | 0.00**0.11** | 0.00**0.00** | 0.00**0.00** | 0.00**0.00** | 0.00**0.00** | 0.18**0.00** | -**0.00** |
| *R. jimi* | 0.00**0.03** | 0.00**0.00** | 0.02**0.01** | 0.00**0.00** | 0.00**0.11** | 0.09**0.00** | 0.40**0.00** | 0.37**0.00** | 0.00**0.00** | 0.78**0.00** | 0.31**0.00** | 0.90**0.11** | 0.36**0.79** | 0.38**0.99** | 0.00**0.00** | 0.14**0.02** | 0.120.00 | 0.00**0.11** |  | 0.32**0.00** | 0.43**0.00** | 0.00**0.00** | 0.00**0.00** | 0.32**0.00** | -**0.99** |
| *S. cretatus* | 0.82**0.00** | 0.00**0.00** | 0.92**0.00** | 0.66**0.00** | 0.85**0.00** | 0.62**0.00** | 0.08**0.00** | 0.28**0.50** | 0.16**0.29** | 0.26**0.00** | 0.10**0.00** | 0.29**0.00** | 0.06**0.00** | 0.08**0.00** | 0.71**0.00** | 0.00**0.00** | 0.00**0.00** | 0.00**0.00** | 0.32**0.00** |  | 0.79**0.94** | 0.66**0.00** | 0.70**0.00** | 0.55**0.28** | -**0.00** |
| *S. eurydice* | 0.75**0.00** | 0.15**0.00** | 0.68**0.00** | 0.68**0.00** | 0.57**0.00** | 0.42**0.05** | 0.58**0.75** | 0.13**0.54** | 0.00**0.00** | 0.28**0.01** | 0.11**0.00** | 0.31**0.00** | 0.57**0.00** | 0.45**0.00** | 0.42**0.02** | 0.42**0.00** | 0.36**0.29** | 0.00**0.00** | 0.43**0.00** | 0.79**0.94** |  | 0.68**0.10** | 0.70**0.00** | 0.32**0.26** | -**0.00** |
| *S. fuscomarginatus* | 0.96**0.00** | 0.00**0.00** | 0.56**0.00** | 0.99**0.00** | 0.36**0.01** | 0.27**0.38** | 0.00**0.22** | 0.00**0.21** | 0.00**0.86** | 0.00**0.06** | 0.00**0.40** | 0.00**0.02** | 0.00**0.00** | 0.00**0.00** | 0.10**0.35** | 0.00**0.00** | 0.00**0.23** | 0.00**0.00** | 0.00**0.00** | 0.66**0.00** | 0.68**0.10** |  | 0.99**0.00** | 0.00**0.92** | -**0.00** |
| *S. nebulosus* | 0.98**0.00** | 0.00**0.00** | 0.60**0.99** | 0.99**0.00** | 0.41**0.00** | 0.34**0.00** | 0.00**0.00** | 0.05**0.00** | 0.06**0.00** | 0.00**0.00** | 0.00**0.00** | 0.00**0.00** | 0.00**0.00** | 0.01**0.00** | 0.17**0.00** | 0.00**0.00** | 0.00**0.00** | 0.00**0.00** | 0.00**0.00** | 0.70**0.00** | 0.70**0.00** | 0.99**0.00** |  | 0.07**0.00** | -**0.00** |
| *S. x-signatus* | 0.18**0.00** | 0.24**0.00** | 0.44**0.00** | 0.0**0.00** | 0.47**0.01** | 0.85**0.34** | 0.08**0.14** | 0.76**0.08** | 0.71**0.83** | 0.37**0.05** | 0.27**0.40** | 0.30**0.02** | 0.08**0.00** | 0.22**0.00** | 0.74**0.34** | 0.06**0.00** | 0.12**0.00** | 0.18**0.00** | 0.32**0.00** | 0.55**0.28** | 0.32**0.26** | 0.00**0.92** | 0.07**0.00** |  | -**0.00** |
| *D. muelleri* | -**0.00** | -**0.00** | -**0.00** | -**0.00** | -**0.00** | -**0.00** | -**0.00** | -**0.00** | -**0.00** | -**0.00** | -**0.00** | -**0.00** | -**0.80** | -**0.99** | -**0.00** | -**0.00** | -**0.00** | -**0.00** | -**0.99** | -**0.00** | -**0.00** | -**0.00** | -**0.00** | -**0.00** |  |