10.1071/ZO18043_AC

Australian Journal of Zoology 2018, 66(4), 261-271

**SUPPLEMENTARY MATERIAL**

# Gut content and stable isotope analysis of tadpoles in floodplain wetlands

J. F. Ocock[A,B,C,D], K. J. Brandis[C], B. J. Wolfenden[A], K. M. Jenkins[A,C] and S. Wassens[A]

[A]Institute of Land, Water and Society, Charles Sturt University, Albury, NSW 2640, Australia.

[B]Water, Wetlands and Coast Science Branch, NSW Office of Environment and Heritage, 59–61 Goulburn Street, Sydney, NSW 2000, Australia.

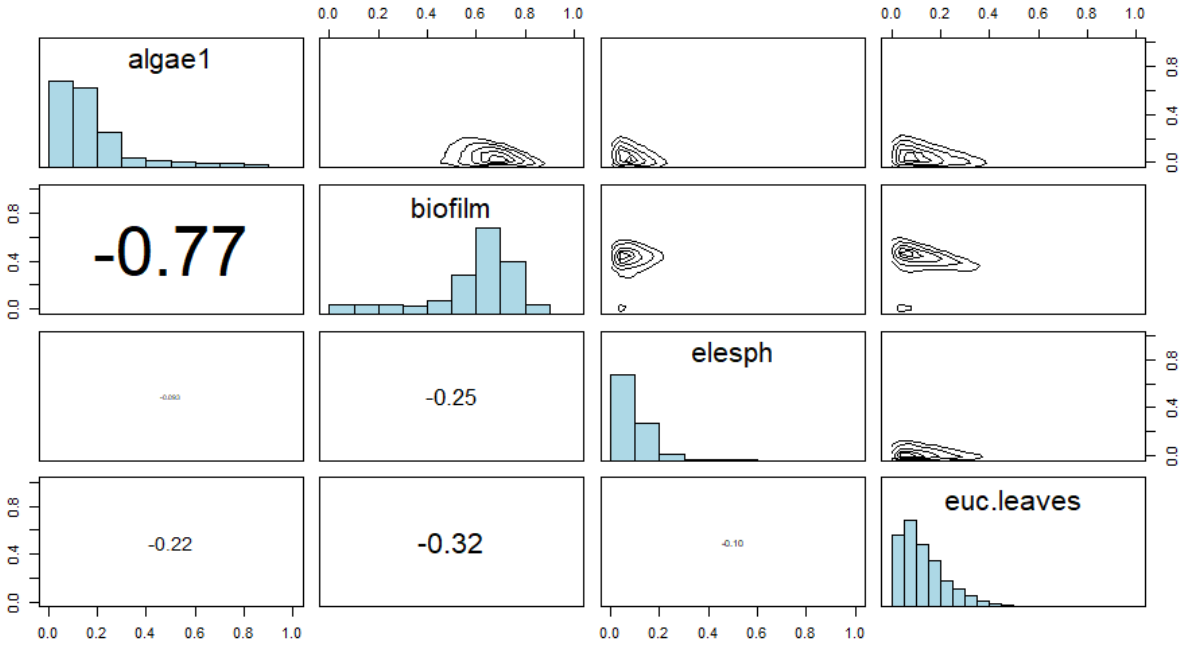
[C]Centre for Ecosystem Science, School of Biological, Earth and Environmental Sciences, University of New South Wales, Randwick, NSW 2052, Australia.

[D]Corresponding author. Email: Joanne.Ocock@environment.nsw.gov.au

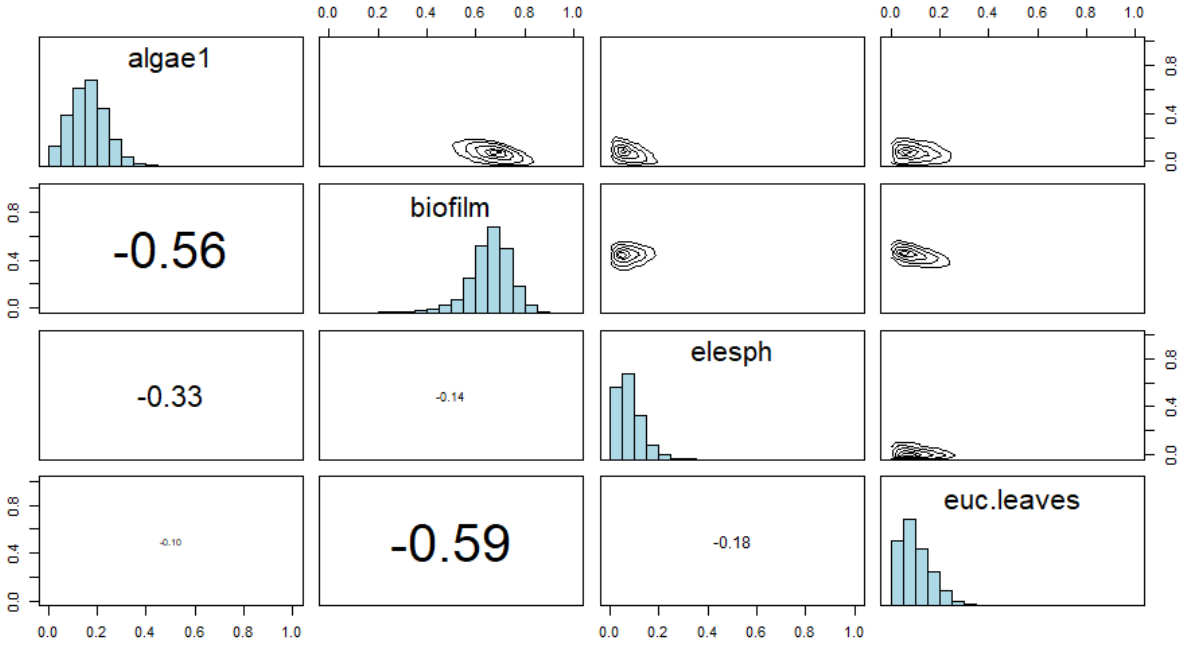
Supplementary material table S1. Summary of pair-wise comparisons derived from linear mixed models of $\delta^{13}C$ (bottom) and $\delta^{15}N$ (top) from tadpole tails collected from wetlands in the Mid-Murrumbidgee and Lowbidgee (*** = $p < 0.001$, ** = $p < 0.005$, * = $p < 0.05$) (AVA = Avalon Swamp, MER = Mercedes Swamp, PIG = Piggery Lake, TBR = Two Bridges Swamp, YAR = Yarradda Lagoon).

| $\delta^{13}C$ / $\delta^{15}N$ | AVA Jan-15 | MER Jan-15 | PIG Nov-14 | PIG Jan-15 | TBR Nov-14 | TBR Jan-15 | YAR Jan-15 |
|---|---|---|---|---|---|---|---|
| AVA Jan-15 | | *** | *** | | | | *** |
| MER Jan-15 | *** | | ** | | * | | *** |
| PIG Nov-14 | *** | | | ** | | | *** |
| PIG Jan-15 | *** | | | | * | | *** |
| TBR Nov-14 | * | *** | * | * | | | *** |
| TBR Jan-15 | *** | | | | | | *** |
| YAR Jan-15 | | *** | *** | *** | | *** | |

**TBR Nov-14**




**TBR Jan-15**



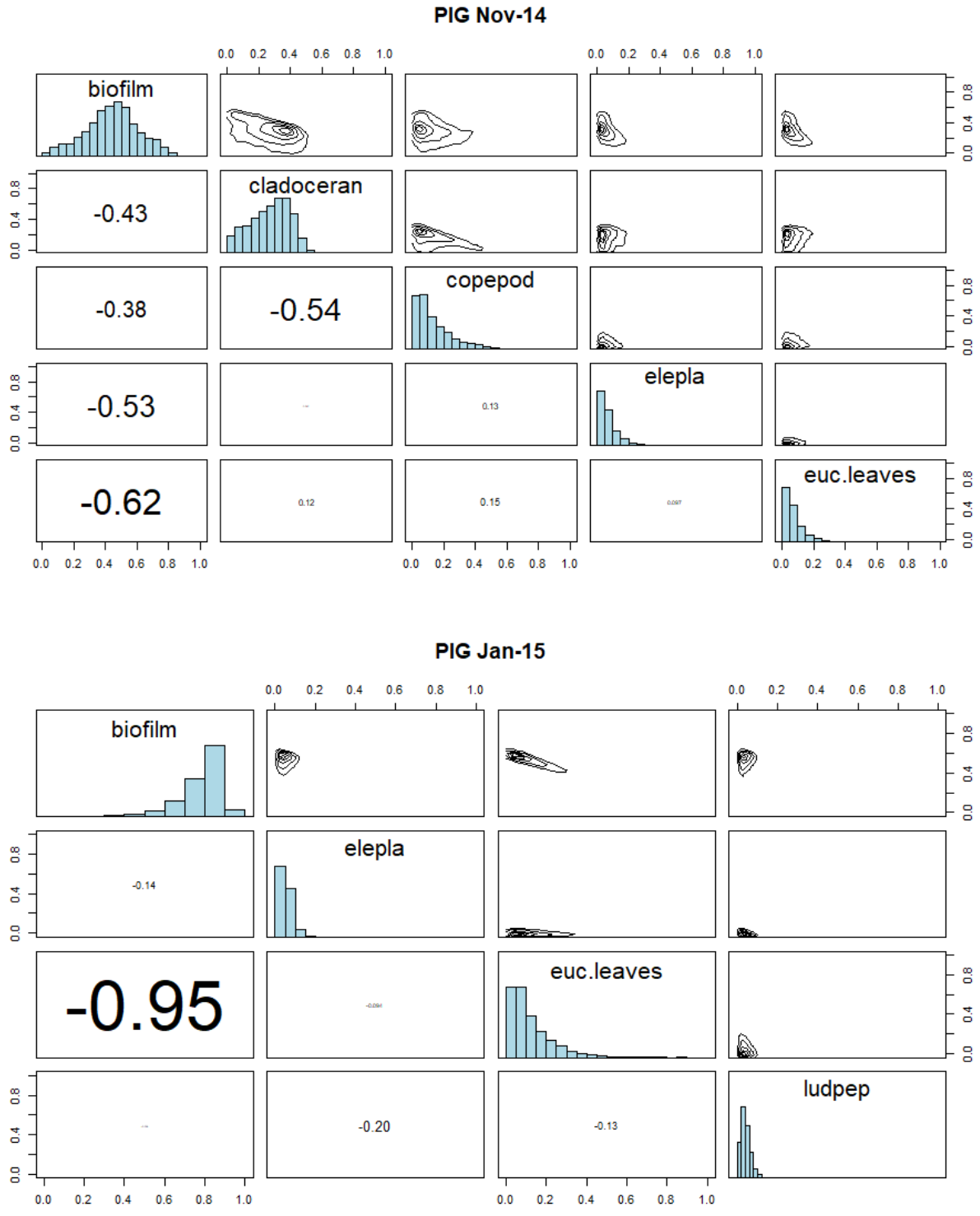



Figure S1. Matrix plots of estimate of each diet proportions calculated in the mixing models from the *simmr* package output, represented by simulated values of the dietary proportions in the histograms (proportion in both axes). Correlation values between sources are inside the boxes to the left of histograms, with font size increasing from weak to strong correlation. Well separated sources resulted in weak correlation values (e.g. biofilm vs. elepha,). Sources close to each other resulted in strong

correlation (biofilm vs. euc.leaves, PIG Jan-15). Increased correlation among sources will increase the level of uncertainty in the model output.