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Supplement

Annotated code for Bayesian implementation of FvCB C₃ photosynthesis model

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Description

JAGS code for photosynthetic models, based on Feng & Dietze (2013) with motivating elements from Patrick *et al.* (2009) and Peltier & Ibáñez (2015). The model structure can be altered to add in effects of different traits or site environment, modify the random effects structure (*i.e.*, add or remove species or individual random effects), update the prior distributions, treat particular parameters as constants derived from the plant physiology literature (*e.g.*, CO₂ compensation point), and/or model new parameters (*e.g.*, mesophyll conductance, Rubisco kinetic parameters; Patrick *et al.*, 2009). Analyses were performed in JAGS (Plummer, 2003) using R2jags (Su & Yajima, 2015) in R version 3.1.1 (R Core Team 2014). See Table 2 for description of model parameters, data, prior distributions, and literature sources, and Appendix A1 for further description of the model.

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