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CORRECTION

Correction: Bayesian Inference of Reticulate Phylogenies under the Multispecies Network Coalescent

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There is an error in the Results section, under the subsection “A Bayesian model of reticulate phylogenies” for Equation 4. Specifically, in the prior, η should be a hyper parameter for the prior on Ψ_{top} (the diameter of the reticulation events). Please view the complete, correct equation here:

$$p(\Psi|\nu, \delta, \eta) = p(\Psi_{ret}|\nu) \times p(\Psi_{\lambda}|\delta) \times p(\Psi_{top}|\Psi_{ret}, \Psi_{\lambda}, \eta).$$

Additionally, there is an error in the Results section under the subsection “A reversible-jump Markov chain Monte Carlo sampler”. Specifically, in the third paragraph, the following sentence in the MCMC algorithm is incorrect: “where J is the Jacobian of the transformation from $\{\mathbf{x}, \mathbf{u}\}$ to $\{\mathbf{x}', \mathbf{u}'\}$.” This sentence should read: “where $|J|$ is the absolute value of the determinant of the Jacobian of the transformation from $\{\mathbf{x}, \mathbf{u}\}$ to $\{\mathbf{x}', \mathbf{u}'\}$.”

Reference

1. Wen D, Yu Y, Nakhleh L (2016) Bayesian Inference of Reticulate Phylogenies under the Multispecies Network Coalescent. PLoS Genet 12(5): e1006006. doi: 10.1371/journal.pgen.1006006 PMID: 27144273

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