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CORRECTION

Correction to: Tree-Based Unrooted Phylogenetic Networks

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Correction to: Bull Math Biol (2018) 80:404–416
https://doi.org/10.1007/s11538-017-0381-3

The level-5 example of a network presented in Fig. 4 of Francis et al. (2018) *is* tree-based even though it states in the caption and in the text that this is not the case. This is because it contains the spanning tree with leaf-set $\{x, y\}$ given by the path $x, a, v_1, v_2, e, f, g, h, b, c, d, y$. The example should be replaced by the network in Fig. 1, which is level-5 and *not* tree-based. The network in Fig. 1 is not tree-based since any spanning tree with leaf-set $\{x, y\}$ must contain the edges $\{x, a\}$ and $\{d, y\}$ as well as one of the paths b, h, h', c or b, h', h, c and one of the paths f, g, g', e or f, g', g, e. It follows that the spanning tree then must also contain the edges $\{a, b\}$, $\{c, d\}$, $\{a, f\}$, and $\{e, d\}$, which is impossible. We thank Remie Janssen and Yukihiro Murakami for bringing this issue and replacement example to our attention.

Since drafting this erratum, other authors have independently pointed out the same error and made a more comprehensive corresponding fix (Fischer et al. 2018).
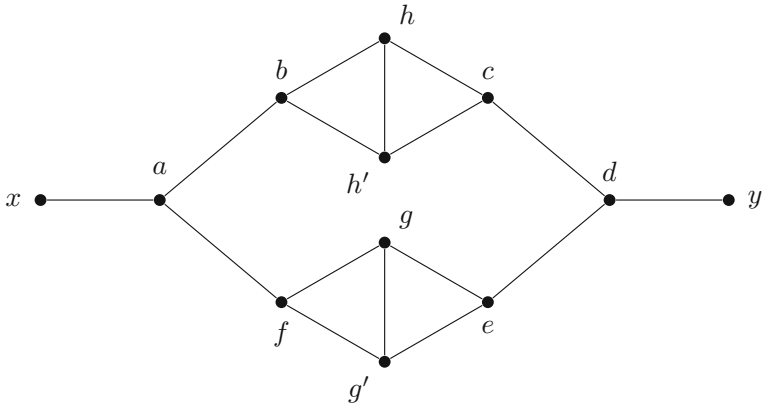
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Fig. 1 A level-5 network that is not tree-based

References

Fischer M, Galla M, Herbst L, Long Y, Wicke K (2018) Non-binary treebased unrooted phylogenetic networks and their relations to binary and rooted ones. Preprint, arXiv:1810.06853v1, 16th Oct 2018

Francis A, Huber KT, Moulton V (2018) Tree-based unrooted phylogenetic networks. Bull Math Biol 80:404–416