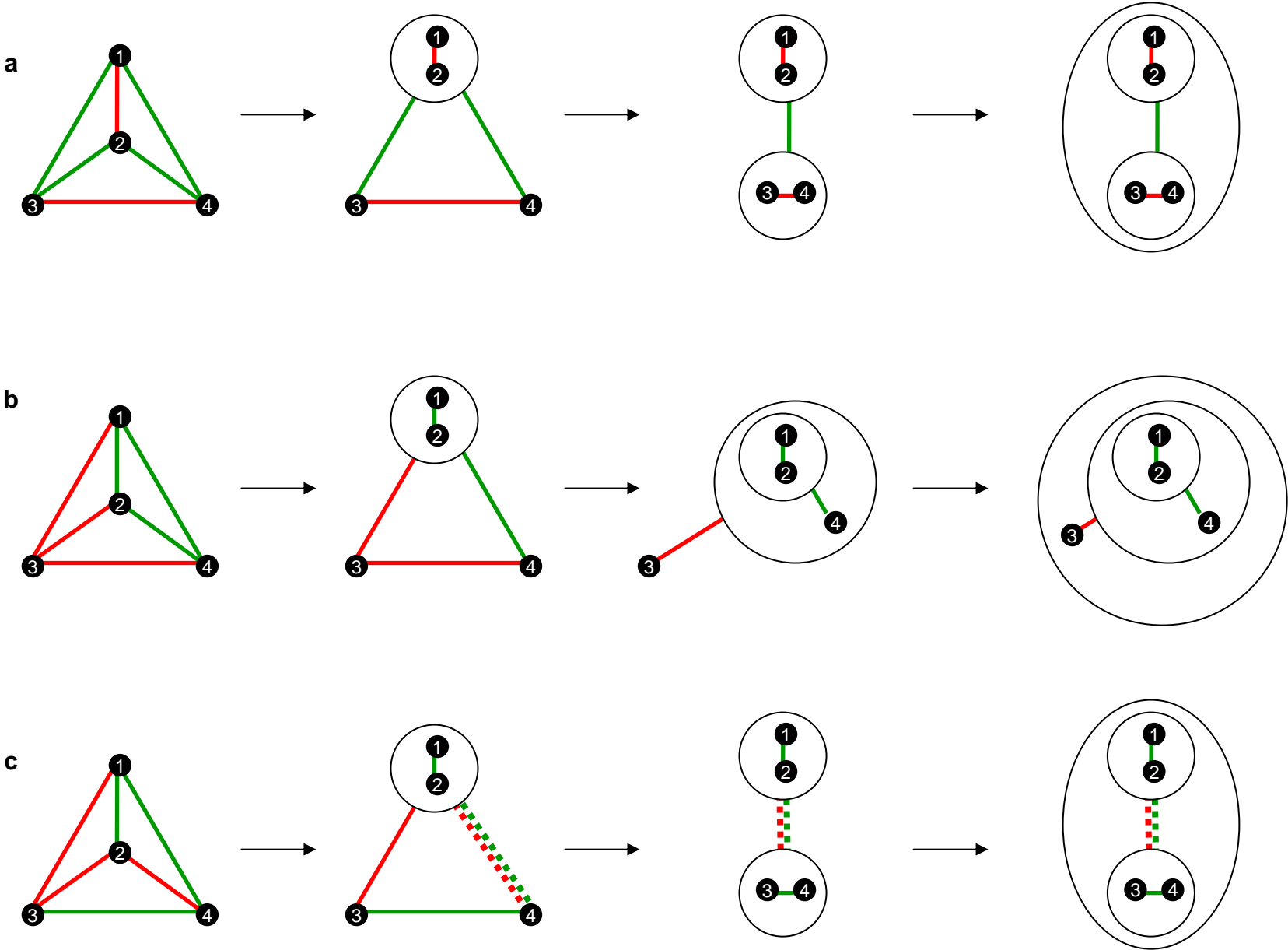


Supplementary Figure 6



Supplementary Fig. 6: Examples of monochromatic clustering of three toy networks using the Prism algorithm. Prism performs agglomerative clustering⁴¹, with the additional feature of avoiding, when possible, the generation of clusters that interact with each other with both aggravating and buffering epistatic links. Individual clustering steps are shown. Panels (a) and (b) show examples of networks which are clustered with no monochromatic violations, i.e. with $Q_{module}=0$. On the other hand, the network in (c) provides an example for which a monochromatic solution does not exist. In this network, any two pairs of genes clustered in the first step will cause a monochromatic violation. The Prism algorithm would find the solution shown, which have a total of $Q_{module}=1$ violations.

(For references, see **Supplementary References** online)