

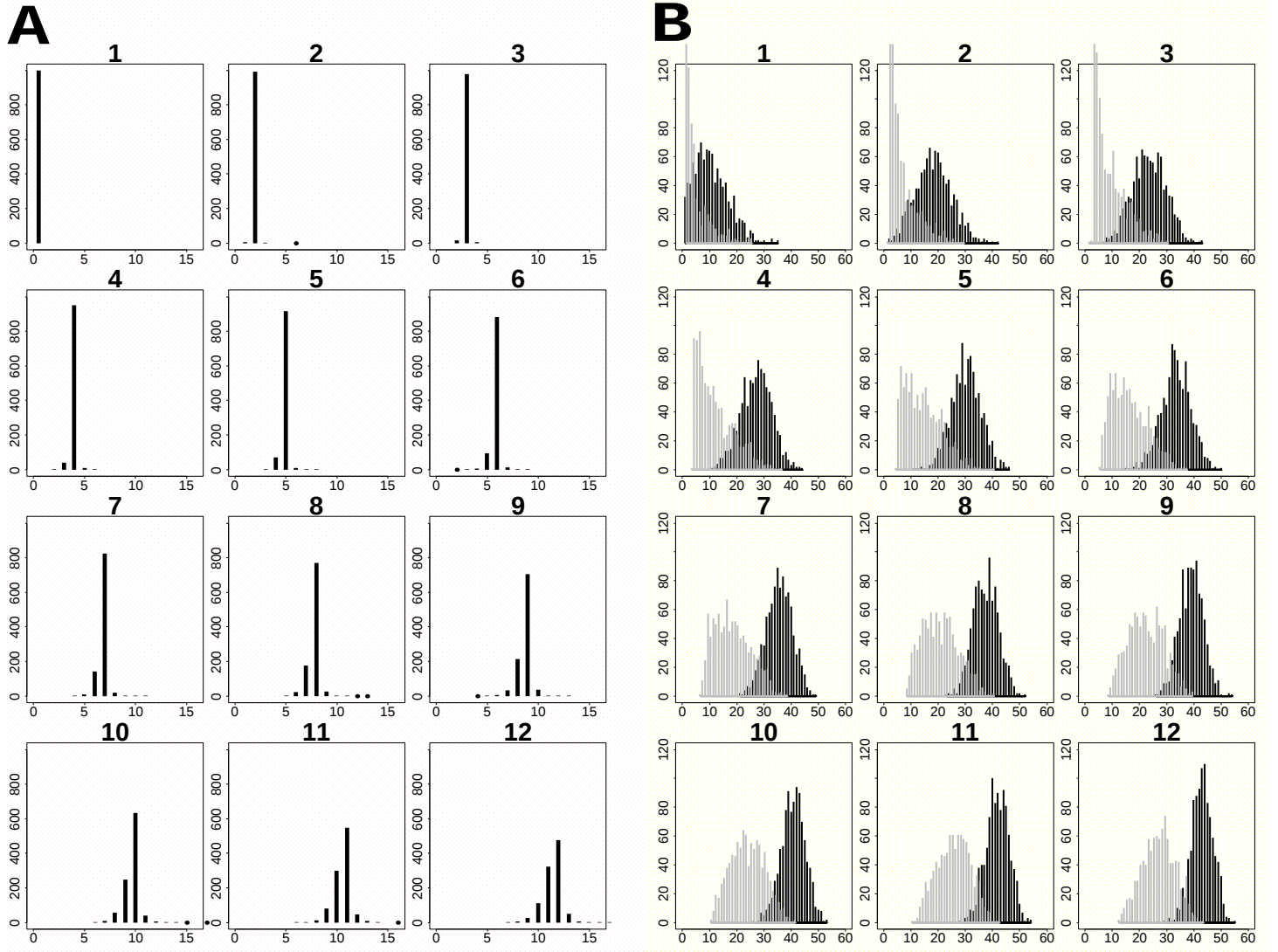


Figure S1

Comparison between $\hat{d}_{SPR}$ and other distances for topologies with 64 taxa. Each histogram represents 10^3 independent random topologies subject to SPR moves (number of applied SPR moves described on the top of each histogram). For each panel, the x -axis shows the estimated distances and the y -axis shows their frequencies over one thousand samples. In panel A we show our approximation to the SPR distance $\hat{d}_{SPR}$. Panel B shows the cMAST distance (in gray) and Robinson-Foulds distance (in black). The cMAST estimates were calculated with PAUP and the Robinson-Foulds distance can be computed as part of our procedure to estimate $\hat{d}_{SPR}$.