Fig. 1 Breakpoints in the consensus. Mean number of breakpoints in the consensus ARG. Left-hand panels, breakpoints in the consensus ARG as a proportion of those in the true ARG. Right-hand panels, breakpoints in the consensus ARG as a proportion of the average number in the cloud ARGs. This figure presents four replicates of the case with Θ = 0.002 and r = 0.02.

Fig. 2 Topological accuracy of the consensus. Topological accuracy of the consensus ARG. Left-hand panels: RF/2 score between truth and cloud minus RF/2 score between truth and consensus. This represents the improvement in agreement with the truth obtained by using the consensus rather than an average member of the cloud. Right-hand panels: RF/2 score between cloud and cloud minus RF/2 score between consensus and cloud. This represents the increased agreement between a random cloud ARG and the consensus versus two random cloud ARGs. This figure presents four replicates of the case with Θ = 0.002 and r = 0.02.