

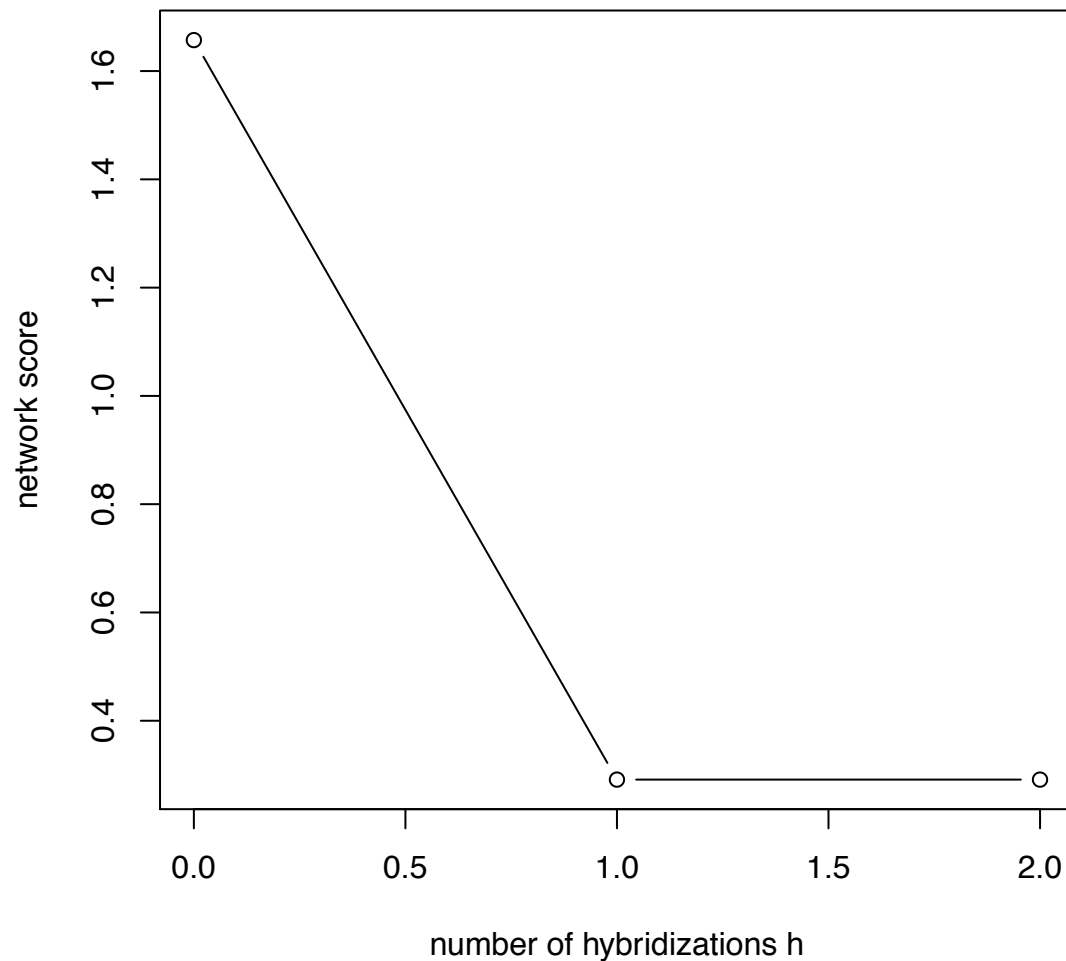


Figure S2 – Profile pseudolikelihood scores for networks with h reticulations. Pseudolikelihood scores were optimized for phylogenetic networks where the number of reticulation events are fixed. Lower values on the y-axis indicate an improvement to the likelihood score. Standard model selection techniques such as AIC criteria are not applicable to pseudolikelihood scores, thus the improvement, albeit about 1.5 pseudolikelihood units, is interpreted as an notably improved model fit. There is no improvement when going from one to two reticulation events; therefore, one reticulation is the most appropriate.