



Supplemental Figure 1. SVDQuartets trees for *Hoplopleura arboricola* (A) and *Neohaematopinus pacificus* (B). Tips are labeled with specimen number and host (*Tamias*) species. Color coded clades are labeled according to host-associated lineage. All branches have bootstrap support of 100 unless otherwise noted. The taxa denoted with \* have different, well-supported placement in the other phylogenetic methods. Outgroup samples were pruned from the trees.