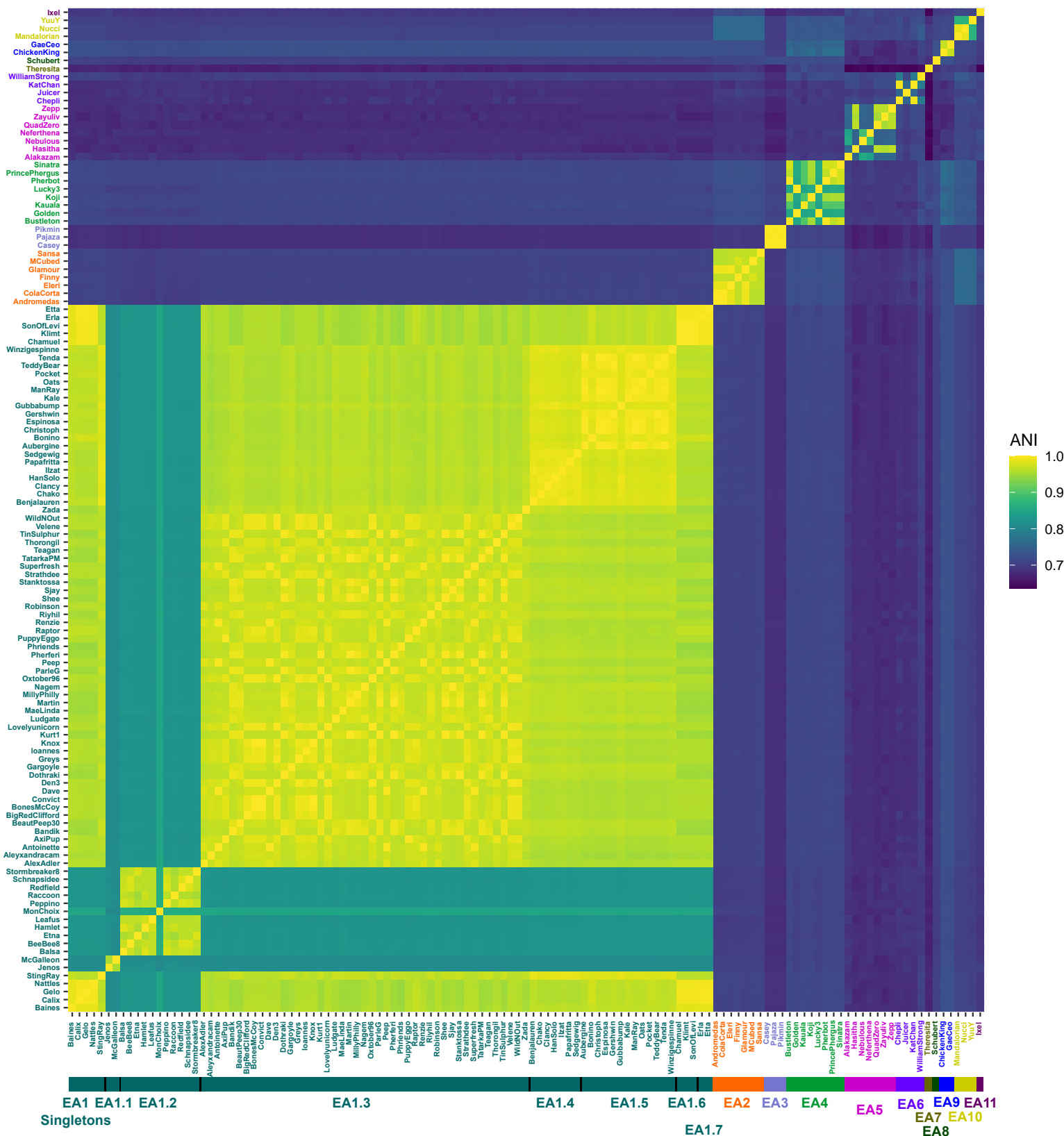


Supplementary Figure S1. Dot plots of representative cluster EA bacteriophages from each of the groupings shown in the neighbor-joining tree (Figure 1). Sub-clusters (EA1 to EA11) are indicated by colors. Additional details on these bacteriophage genomes can be found in Supplementary Table S1.



Supplementary Figure S2. Average nucleotide identities (ANIs) of closely-related cluster EA bacteriophages from each of the groupings shown in the neighbor-joining tree (Figure 1), with sub-clusters (EA1 to EA11) indicated by colors. Additional details on these bacteriophage genomes can be found in Supplementary Table S1.