



Supplementary Figure 2. Phylogenetic tree of *pta*

Phylogenetic tree based on all of the available allele sequences for *pta*, one of the seven *S. aureus* MLST loci. The tree demonstrates several divergence branches. One of these is a cluster of *S. argenteus* that is distinct and genetically distant from *S. aureus*. Eight alleles associated with known *S. argenteus* isolates are in the cluster. *S. schweitzeri* and *S. aureus* are genetically close related based on *pta* locus.