

Appendix A

Supplemental method: Genotyping assay.

Genomic DNA was isolated from overnight cultures of *S. aureus* using commercial kits following manufacturer's instructions. PCR reactions were performed with the following oligonucleotide primers, in 5' to 3' sequence. All PCR products were < 1 kb in size.

sea fwd GATTCACAAAGGATATTGTTGATAAATAT, *sea* rev GTCCTTGAGCACCAAATAAATC,
seb fwd GTATGATGATAATCATGTATCAGCAA, *seb* rev CGTAAGATAAACTTCAATCTTCACAT,
sec fwd GAGTCAACCAGACCCCTATGCC, *sec* rev GGCCTGGTGCAGGCATC,
sed fwd GCATTACTCTTTTTACTAGTTTGTA, *sed* rev CCTTGCTTGTGCATCTAATTC,
see fwd CTGAATTACAAAGAAATGCTTTAAGC, *see* rev GCCTTGCTGAAGATCTA,
seg fwd AATTCCCAACCCGATCCTAAAATAG, *seg* rev TCAGTGAGTATTAAGAAATACTTCCATTTTAATAC,
sel-h fwd TCACATCATATGCCAAAGCAG, *sel-h* rev TAGCACCAATCACCCTTTCC,
sel-i fwd CAAGGAGATATTGGTGTAGGTAAC, *sel-i* rev TTAGTACTATCTACATATGATATTTCAACATC,
sel-k fwd TGGATCAATGGAAATCAACAAAA, *sel-k* rev CGGGCTACCCGAAAAATAAT,
sel-l fwd CTGTTTGATGCTTGCCATTG, *sel-l* rev GCGATGTAGGTCCAGGAAC,
sel-m fwd GATGTTGGAGTTTGAATCTTAGGAAC, *sel-m* rev TCAACTTTCGTCCTTATAAGATATTTCTACATC,
sel-n fwd GATGTAGACAAAAATGATTTAAAGAAAAAATC,
sel-n rev TTAATCTTTATATAAAAAATACATCGATATGATAATTAG,
sel-o fwd AATGAAGAAAATCCTAAAATTGAGG, *sel-o* rev TTATGTAATAAATAAACATCAATATGATAGTC,
sel-p fwd ACCAACCGAATCACCAGAAG, *sel-p* rev GTTCAAAAAGACACCGCCAAT,
sel-q fwd GATGTAGGGGTAATCAACCTTAG, *sel-q* rev CTCTCTGCTTGACCAGTTCC,
sel-r fwd TACTATGGGGAATGTTGAATCC, *sel-r* rev GGTATAAAGGGAACCAAATCC,
sel-s fwd CTAACCTTGAATTGTAGGTTCC, *sel-s* rev CTCCACACA ACTATTATCAAACG,
sel-t fwd TCGGGTGTACTTCTGTTTGC, *sel-t* rev GGTGATTATGTAGATGCTTGGG,
sel-u fwd AAACCAGAACAATTGAATAAAGCG, *sel-u* rev TTATTTTTGGTTAAATGAACTTCTACATTAATAG,
sel-x fwd TCTATGGGGGAACATTTGGA, *sel-x* rev CCGCCATCTTTTGTATTTATGA,
tstH fwd GAAATTTTTCATCGTAAGCCCTTTGTTG, *tstH* rev TTCATCAATATTTATAGGTGGTTTTTCA.

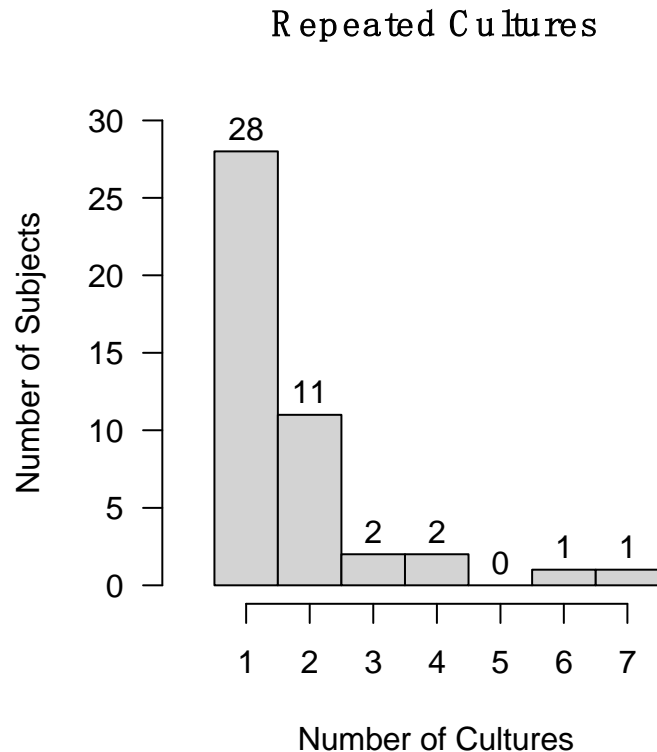


Figure S1. Frequency of repeated cultures within University of Iowa Biobank.