

Final Project

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INPUT: 5 UNKNOWN STRAINS
(3 OF WHICH ARE VIRULENT)

FIND THE VIRULENT STRAINS!

KMER FINDER → SPECIES
MLST → SEQUENCE (ST) TYPE
PLASMID FINDER
P MLST) → PLASMID REPLICONS & PLASMID TYPE

↑
WHAT THEY ARE
↓

RES FINDER (RESISTANCE) → RESISTANT GENES & MUTATIONS

↑
HOW TO TREAT THEM
↓

CSI PHYLOGENY → SNP TREE

↑
HOW THEY ARE RELATED
↓

WHICH STRAINS ARE THE 3 OUTBREAK STRAINS?