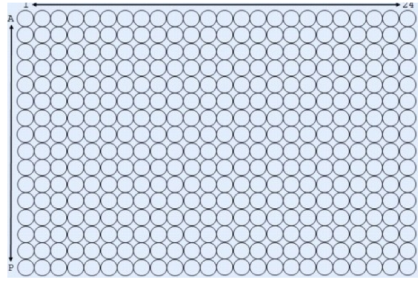


Figure 4-figure supplement 2

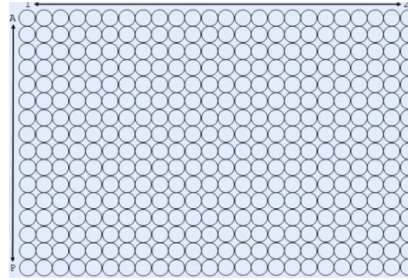
Inoculate ~100 cells
(log phase) per well



Susceptible
ancestors

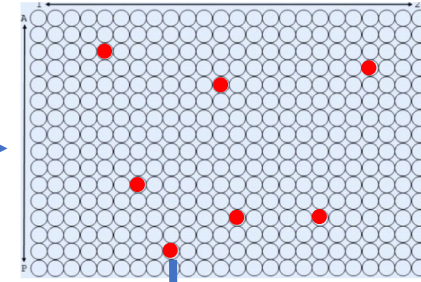
Incubate
for 3 hours

Add carbapenems



Quantify cell number in 3
selected wells by plating

Incubate
overnight

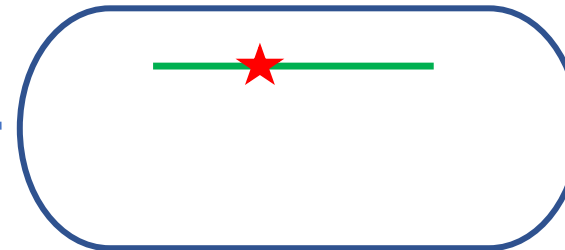


Read OD₆₀₀,
quantify
mutation
frequencies

PCR *ompK36* locus
including promoter
region in mutants

Quantify percentage
of mutants with TN
insertions as relative
transposition rates

Sanger
sequencing



Mutant A with
point mutation
on *ompK36*



Mutant B with TN
insertion on
ompK36