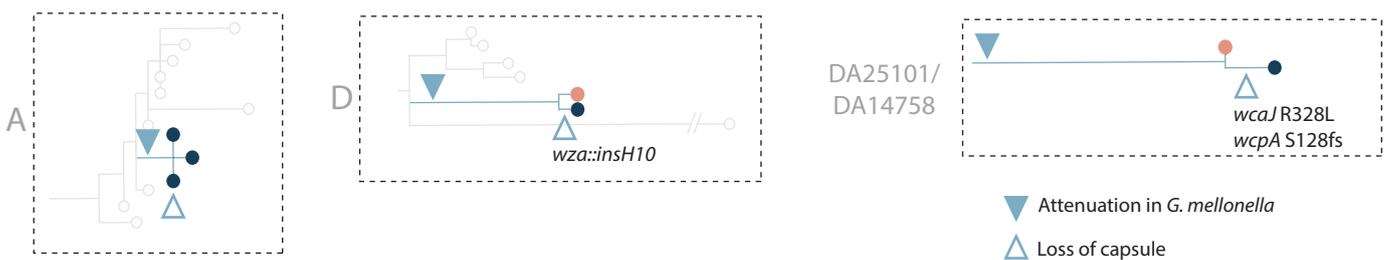
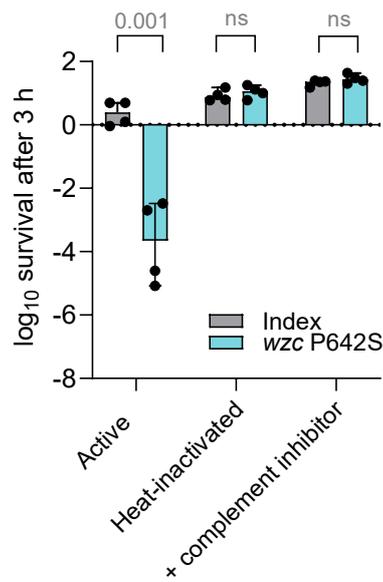
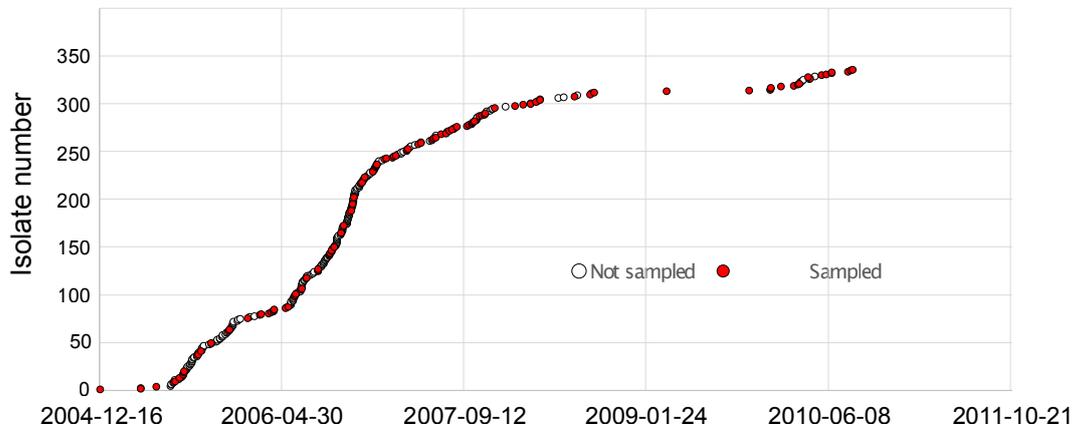


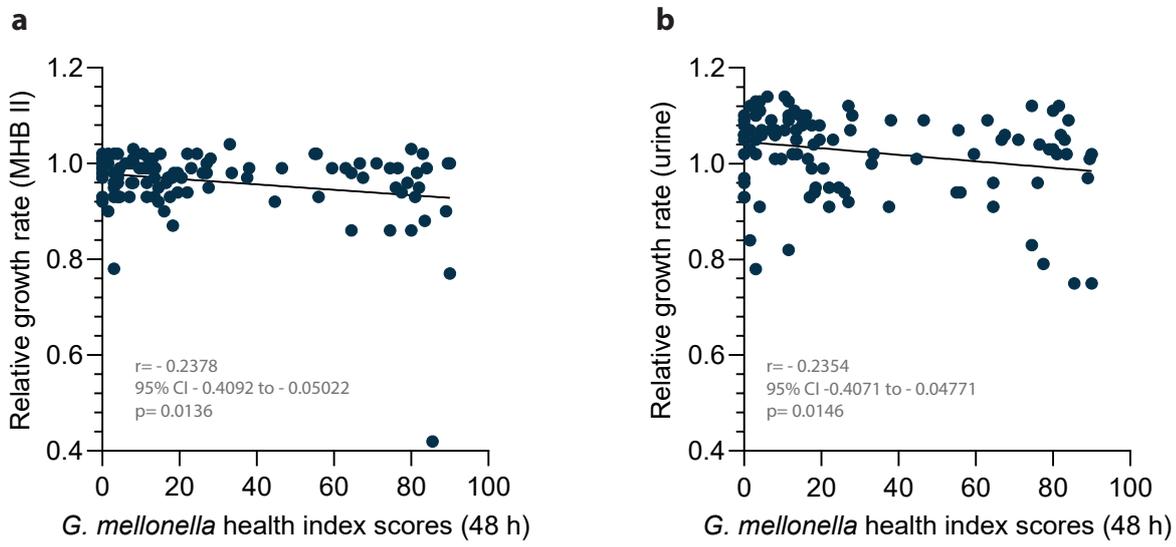
## Supplementary Information

Parallel within-host evolution alters key virulence factors  
in an opportunistic *K. pneumoniae* clone during a hospital outbreak

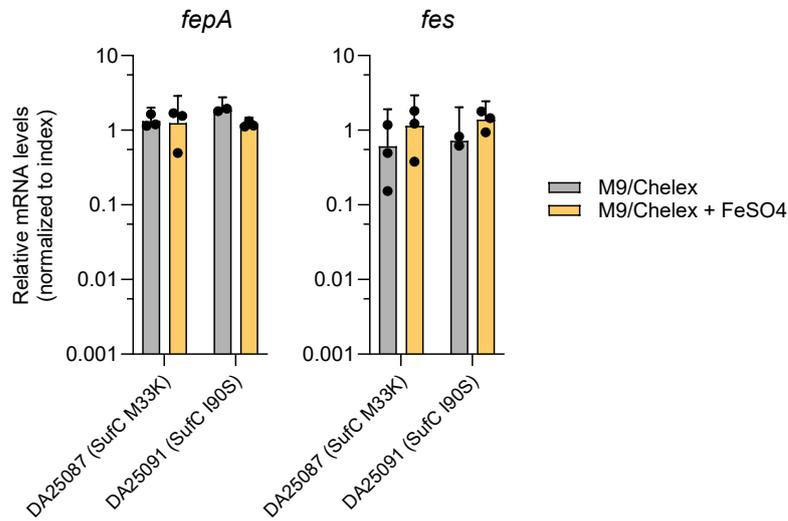
Greta Zaborskytė, Karin Hjort, Birgitta Lytsy, Linus Sandegren



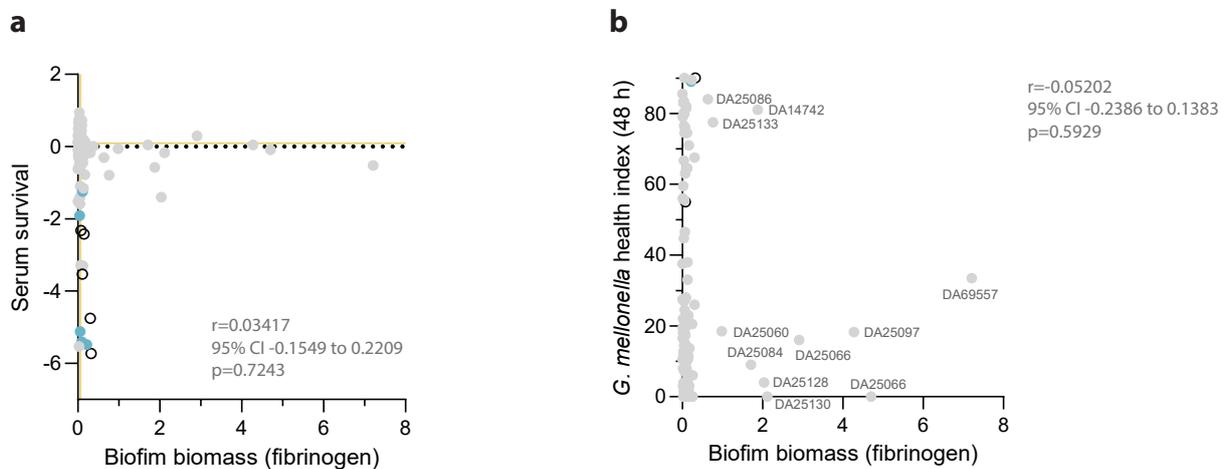
Supplementary Fig. 3 | Phylogenetic indications of mutations reducing killing of *G. mellonella* (blue triangles) and capsule-loss mutations (white triangles) in clusters A, D, and DA25101/DA14758.



**Supplementary Fig. 4** | Exponential growth rates in (a) MHB II medium and (b) urine vs health index scores in *G. mellonella* larvae at 48 h post-injection. Exponential growth rates refer to means of five biological replicates. Pearson correlation coefficients ( $r$ ) with 95% CI and a two-tailed  $p$  value are shown.



**Supplementary Fig. 5** | mRNA levels of *fepA* and *fes* in control isolates with *sufC* mutations but without any *fepA/fes* changes relative to the index isolate. mRNA levels (mean of  $n=3$  with 95% CI) are relative to the index isolate for the respective conditions. Comparison to the index isolate was done by an unpaired t-test with Bonferroni corrections for two comparisons; none of the comparisons were significant.



**Supplementary Fig. 6** | Interconnection between biofilm biomass on silicone with fibrinogen and (a) survival in human serum and (b) health index scores of *G. mellonella* at 48 h. Blue dots indicate isolates with *wzc* missense mutations. Pearson correlation coefficients ( $r$ ) with 95% CI and two-tailed  $p$  values is shown.