

## Description of Additional Supplementary Files

**Supplementary Data 1** contains information about the *Enterococcus faecalis* strains analysed in the manuscript that were identified as harbouring antibiotic resistance-conferring genes to major antibiotic classes

**Supplementary Data 2** contains the list of identified lineages (bins) in each sample that received high or very high score (1 or 2) from demix\_check. These bins are called reliable identifications in the manuscript.