FIG S1 Flowchart of patients and their lower respiratory tract samples included in the study. Standard-of-care testing (SoC) methods consisted of both culture-based identification and antimicrobial susceptibility testing, which were used as the reference method for comparison purposes.

150 COVID-19 patients
ICU admitted between 24 September 2020 and 8 March 2021

212 respiratory tract (130 ETA and 82 BAL) samples analysed by FilmArray Pneumonia Plus (FA-PP) panel and standard-of-care (SoC) testing methods

Cut-off levels of $\geq 10^3$ and $\geq 10^4$ colony-forming units or genomic copies/mL were used as positivity thresholds in ETA or BAL samples, respectively.

122 positive samples in 97 patients

89 ventilator-associated pneumonia episodes (i.e. occurring $>48$ h of ventilation) diagnosed

87 positive by both FA-PP panel and SoC testing methods

2 negative by FA-PP panel testing but positive by SoC testing

33 non-ventilator-associated pneumonia episodes (i.e. occurring $\leq 48$ h of ventilation) diagnosed

33 positive by both FA-PP panel and SoC testing methods

90 negative samples in 53 patients

90 non-pneumonia episodes diagnosed