



Figure S1. Neutralization of SARS-CoV-2 Omicron variant by vaccination status and vaccine type. (a) NT_{50} values for HCWs who received two doses of Moderna mRNA-1273 ($n = 20$) or Pfizer/BioNTech BNT162b2 ($n = 28$) are plotted by vaccine type. (b) NT_{50} values for recipients of Moderna mRNA-1273 ($n = 6$) or Pfizer/BioNTech BNT162b2 ($n = 17$) booster doses are plotted by vaccine type. (c-g) Post second vaccine dose and post booster dose NT_{50} values are plotted pairwise for HCWs for which both time points were analyzed ($n = 18$) against the D614G (c), Alpha (d), Beta (e), Delta (f), and Omicron (g) variants. (h) NT_{50} values for unvaccinated ($n = 12$) and vaccinated ($n = 7$) Delta-wave COVID-19 ICU-patients are plotted according to vaccination status. Bars in panels a, b and h represent means \pm standard error and statistical significance in all cases was determined by two-tailed t-test with Welch's correction. Dashed lines indicate the threshold NT_{50} , which was set to 80. P-values are represented as ** $p < 0.01$.