



Supplementary Figure 1. This cohort consists of 170 participants from two independent hospitals, including 56 healthcare workers as healthy controls, of which 32 participants received the homologous regimen (BNT-BNT); 40 dialysis patients, of which 19 participants received the homologous regimen (BNT-BNT); 27 gynecological oncology patients, of which 23 participants received the homologous regimen (BNT-BNT), and 47 rheumatic patients, of which 38 participants received the homologous regimen (BNT-BNT).