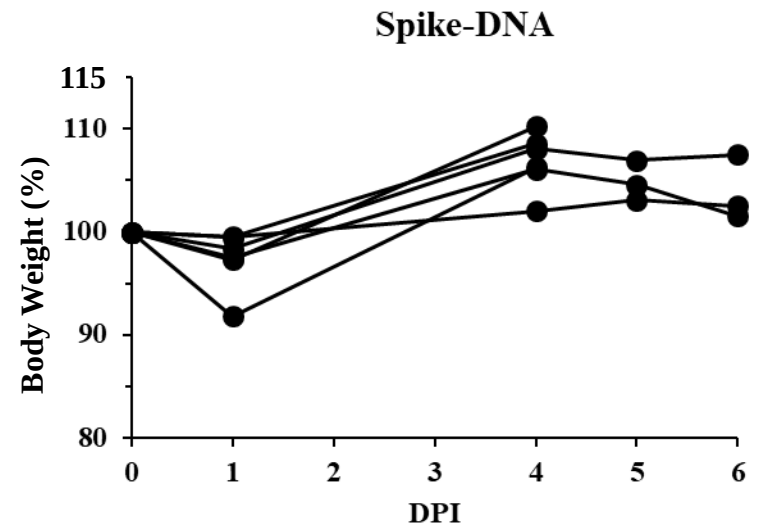
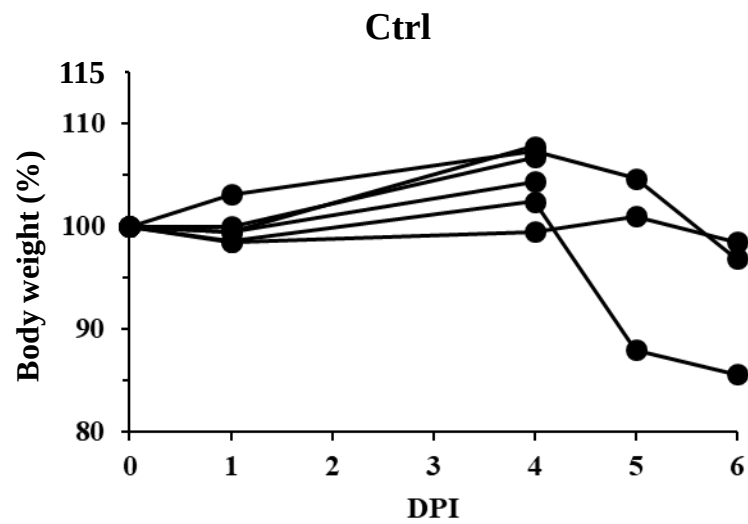
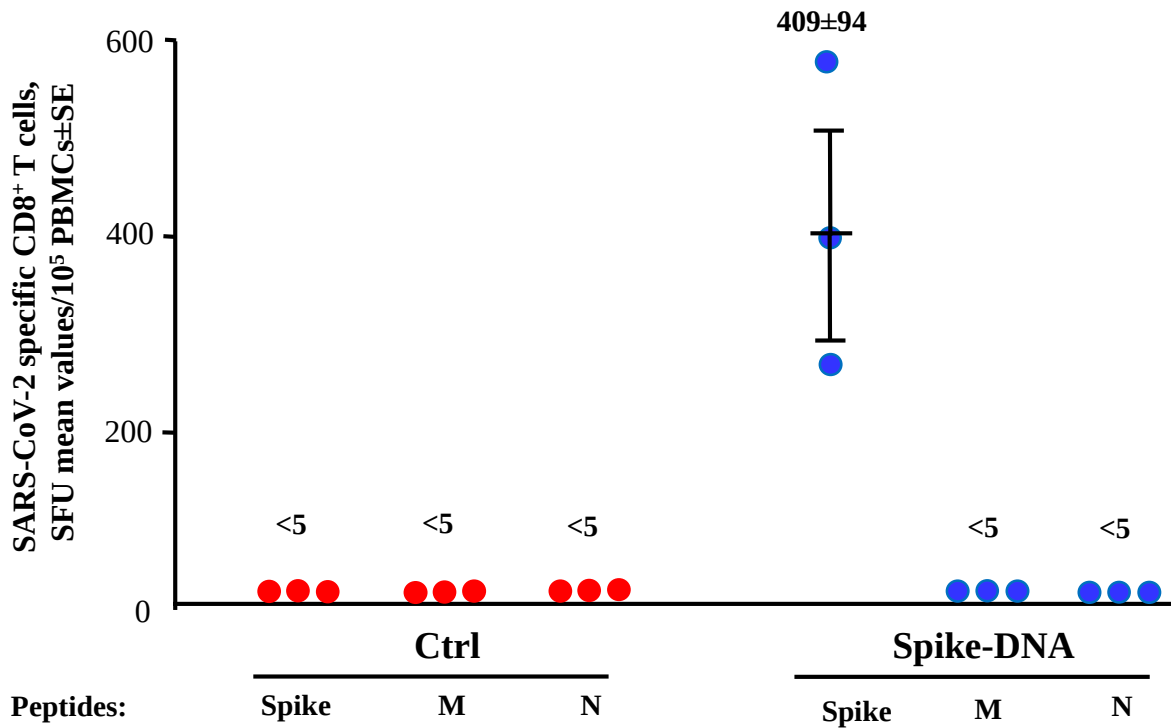
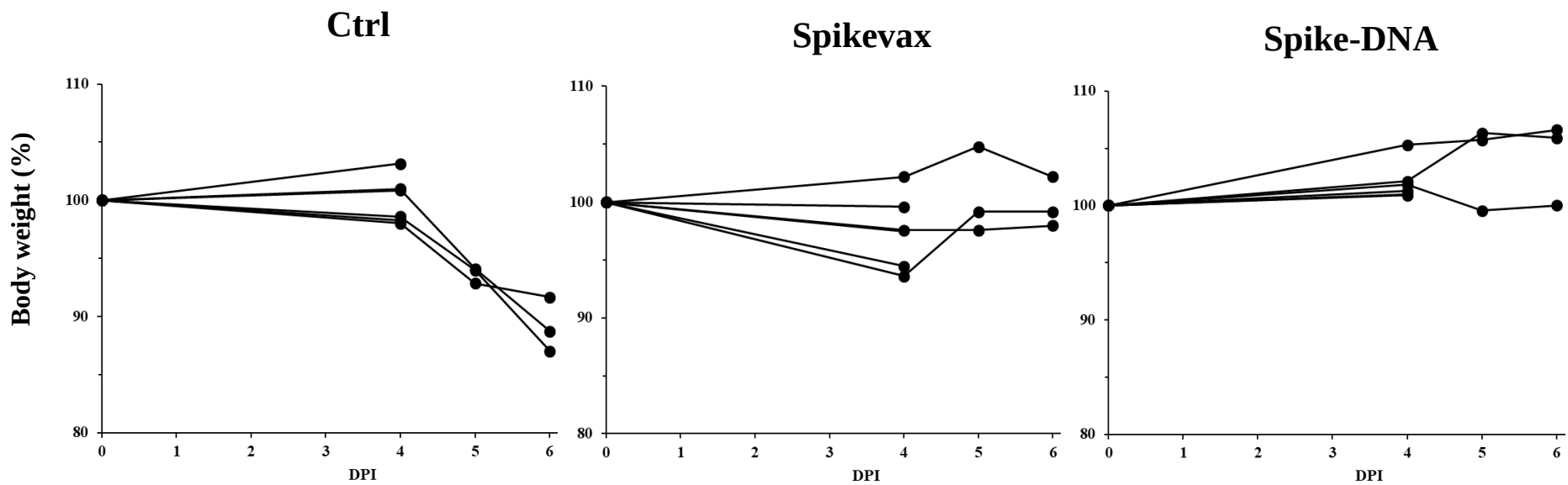




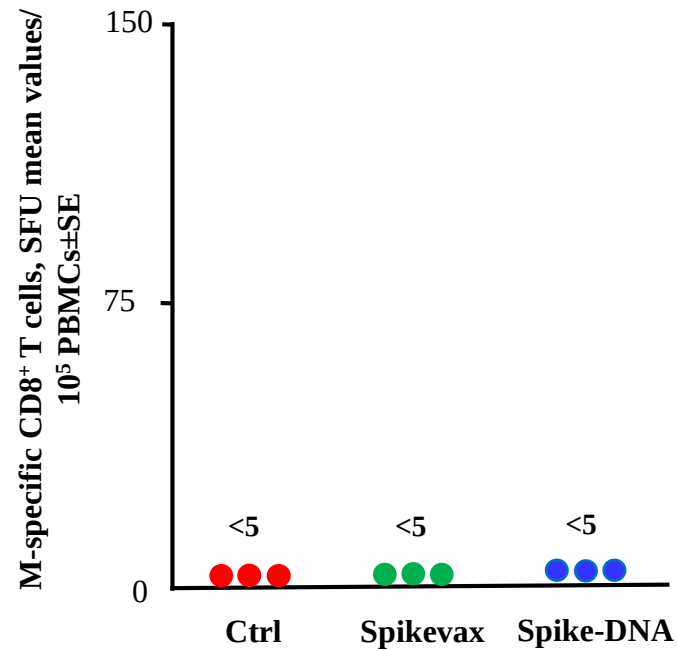
Supplementary fig. 1. Relative weight loss in mice infected by SARS-CoV-2 three weeks after vaccine booster. DPI: days post-infection.



Supplementary fig. 2. Detection of Spike-, M-, and N-specific CD8⁺ T cells in PBMCs isolated 4 days after infection. A total of 10⁵ PBMCs were incubated overnight with or without 5 µg/ml of either unrelated, Spike-, M-, or N- specific peptides in IFN-γ EliSpot microwells. Shown are the numbers of SFUs/well calculated as mean values of triplicates after subtraction of the mean spot numbers calculated in wells of PBMCs treated with unspecific peptides. Reported is intragroup mean value ± SE.



Supplementary fig. 3. Relative weight loss in mice infected by SARS-CoV-2 three months after vaccine booster. DPI: days post-infection.



Supplementary fig. 4. Detection of M-specific CD8⁺ T cells in K18-huACE2 mice three months after vaccine boosting and 4 days after infection. Shown are the results from EliSpot analysis carried out in 10⁵ PBMCs incubated overnight with 5 µg/ml of either unrelated or M-specific peptide. Data were calculated as mean values of triplicates after subtraction of the mean spot numbers detected in wells of PBMCs treated with an unspecific peptide.