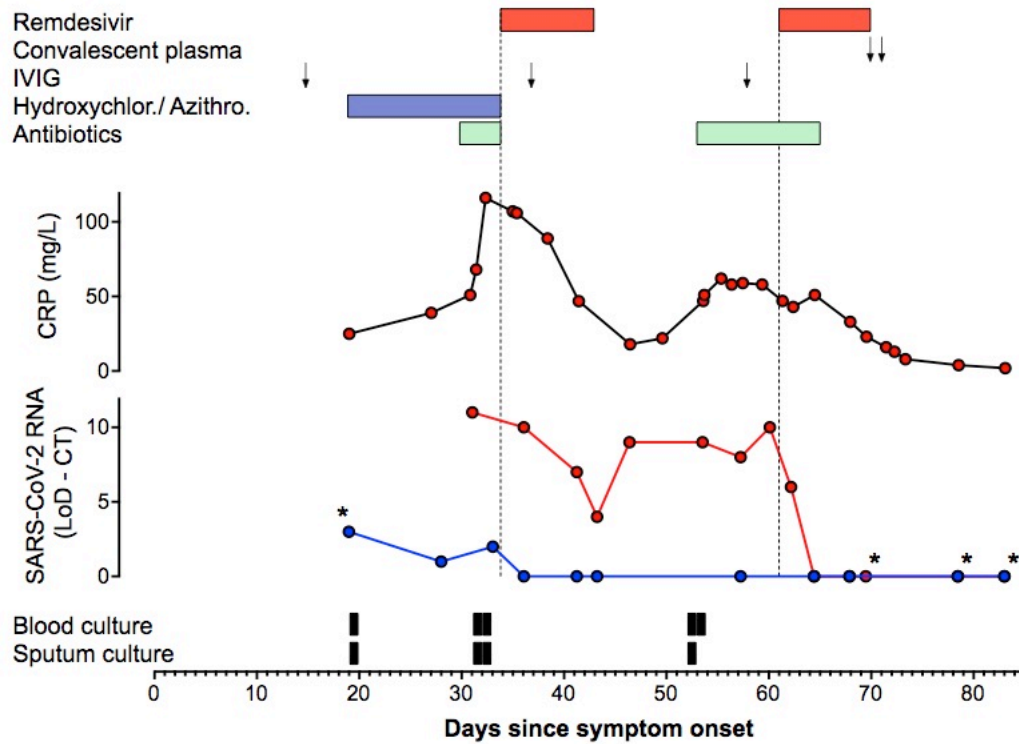
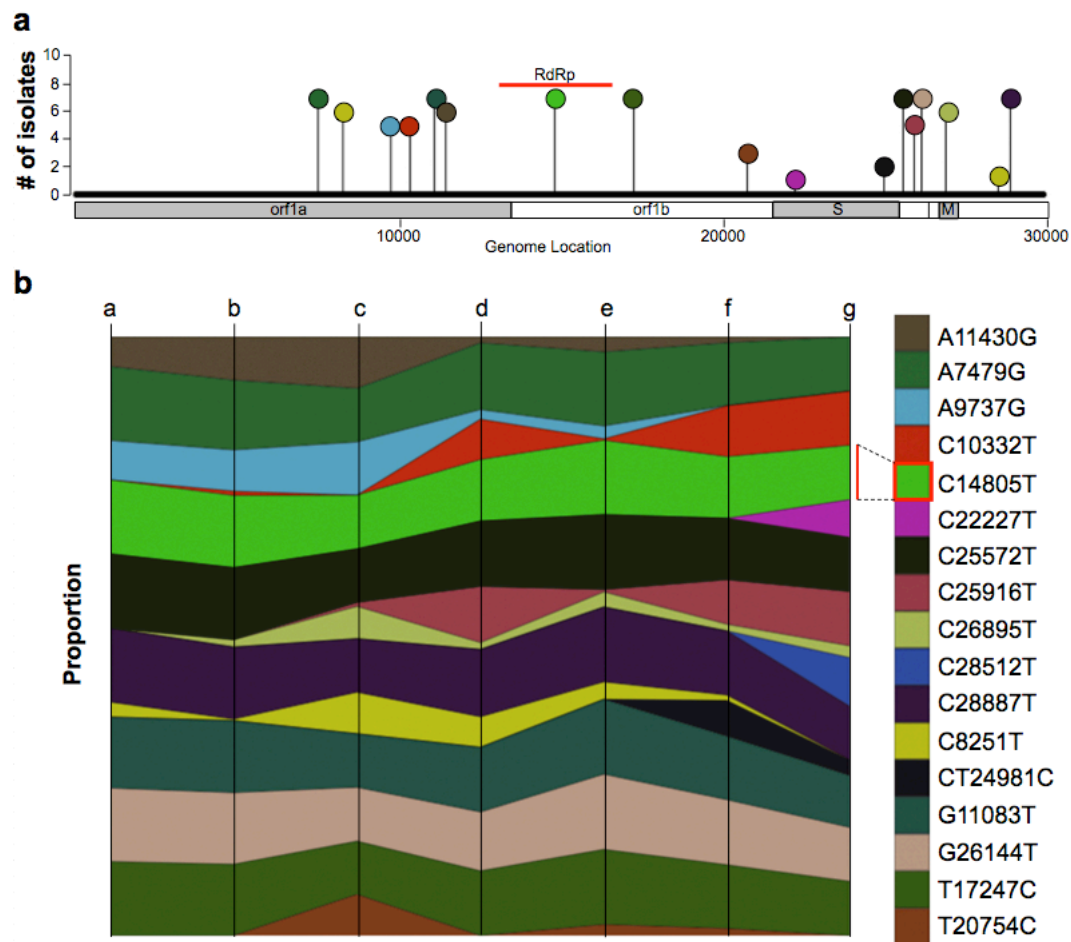


Supplementary Figure 1. Clinical assessment of the response to remdesivir.



Supplementary Figure 1. As for Figure 1a (CRP) and (SARS-CoV-2 RNA) but spanning course of entire illness and indicating additional, incidental clinical interventions (IVIG, hydroxychloroquine/azithromycin, antibiotics) and days on which negative bacterial blood and sputum cultures were obtained. Antibiotics, IV meropenem (first course) or ceftriaxone and clarithromycin (second course).

Supplementary Figure 2. Identification of viral polymorphisms in sputum isolates.



Supplementary Figure 2. (a) Location and frequency (number of isolates) of SNPs identified in isolates from Fig. 1a, coloured as in (b). (b) Relative abundances of SNPs present in isolates from Figure 1A. Height indicates the proportion of each variant as a fraction of all reads at that location, stacked so that the sum of proportions is the same for each isolate. The synonymous variant C14805T within the *nsp12* gene (encoding RdRp) is highlighted.

Supplementary Figure 3. Antigen specific CD8+ T cell responses to S1-peptide pools.

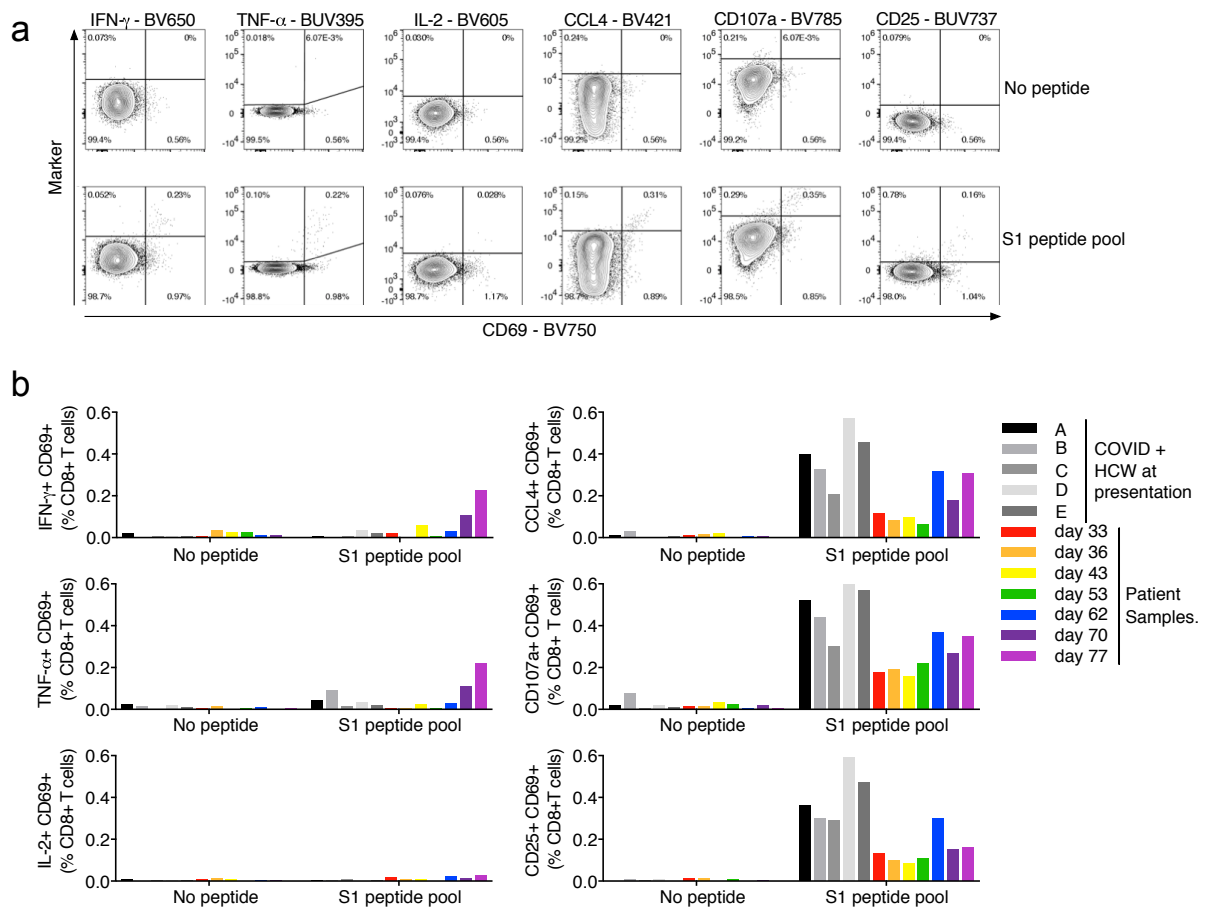


Figure S3. Representative flow cytometry data **(a)** and data for individual activation markers **(b)** from (Fig. 3a-b). For HCW, n=5 biologically independent subjects. Data from one independent experiment.

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