



**Fig. S2.** Pairs plot showing the difference in the distribution of each analysis factor when divided into two groups, the HFNC group (blue-colored) and the MV group (red-colored), using ggpairs() of GGally packages of R programming language. BMI, body mass index; CCI, Charlson comorbidity index; Corr, correlation coefficient; CRP, C-reactive protein (mg/L); Cr, serum creatinine (mg/dL); DtoH, Period from onset to admission to our hospital (days); DtoHF, Period from onset to the introduction of HFNC (days); Ddim, d-dimer (mg/L); HFNC, gender (red: male, blue: female); High flow nasal cannula; LIV, lung infiltration volume (%); LDH, lactate dehydrogenase (U/L); MV, mechanical ventilation; PSI, Pneumonia severity index; ROX index, the ratio of oxygen saturation index; WBC, white blood cells ( $\mu\text{L}$ )