**Supplemental Figure legends**

**Fig. s1** Relationship between daily SOFA score and SOFA score on day 7.

All groups showed significantly different scores throughout the study period.

Blue = SOFA scores 0-2, Red = SOFA scores 3-5, Green = SOFA scores 6-8, Purple = SOFA scores 9-12, Orange = SOFA scores 13-24.

Colored area represents the 95% confidence interval.

**Fig. s2** Relationship between biomarkers (lactate and AT III) and day-7 SOFA scores

Lactate levels significantly differed in accordance with SOFA scores on days 1-5, although AT III levels was not significantly different between the groups.

Colored area represents the 95% confidence interval.

AT III, antithrombin III.

**Fig. s3** Relationship between protein C activity and individual SOFA day-7 components

a. Protein C and respiratory function b. Protein C and platelet count c. Protein C and liver function d. Protein C and kidney function e. Protein C and Glasgow coma scale f. Protein C and circulation

The time course of protein C activity was significantly associated with platelet count, liver function, and circulation on day 7. However, no significant correlation was observed for respiratory function, Glasgow coma scale, and kidney function.

Colored area represents the 95% confidence interval.

Blue = SOFA score 0, Red = SOFA score 1, Green = SOFA score 2, Purple = SOFA score 3 Orange = SOFA score 4

SOFA, Sequential Organ Failure Assessment.