



**Figure S1** The comparison of ROC curves for weaning failure (left) and 28-days mortality (right). The AUC of the plasma day7 NOX4 level and SOFA scores and APACHE II scores are similar.(weaning failure; NOX4: 0.721, APACHE II: 0.722, SOFA: 0.720, 28-days mortality; NOX4: 0.719, APACHE II: 0.699, SOFA: 0.722). APACHE, Acute Physiology and Chronic Health Evaluation. SOFA, Sequential Organ Failure Assessment; NOX4, NADPH oxidase 4.