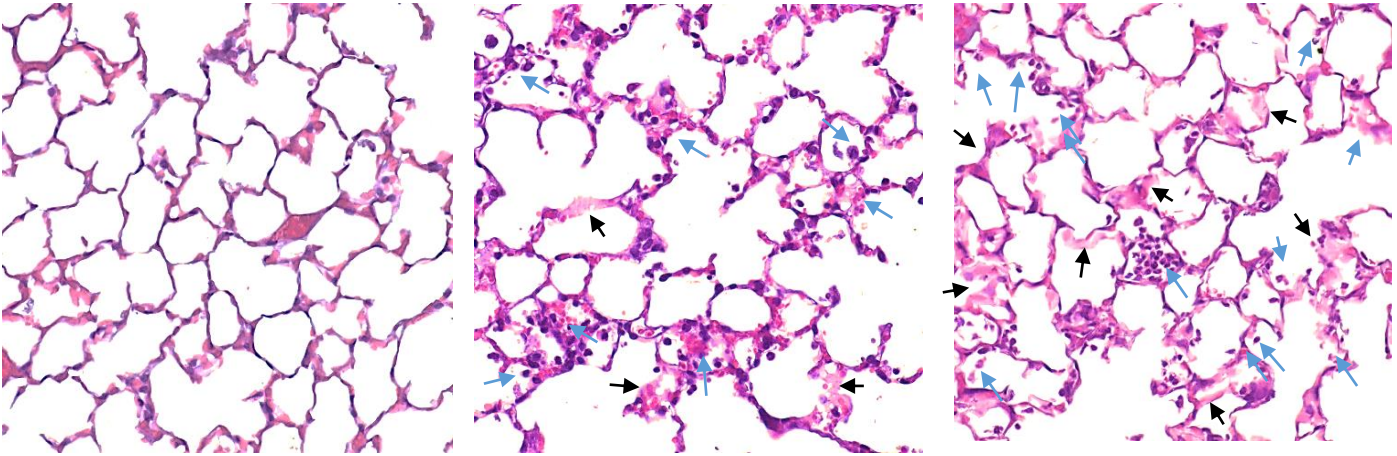


Supplementary Figure 1

Control

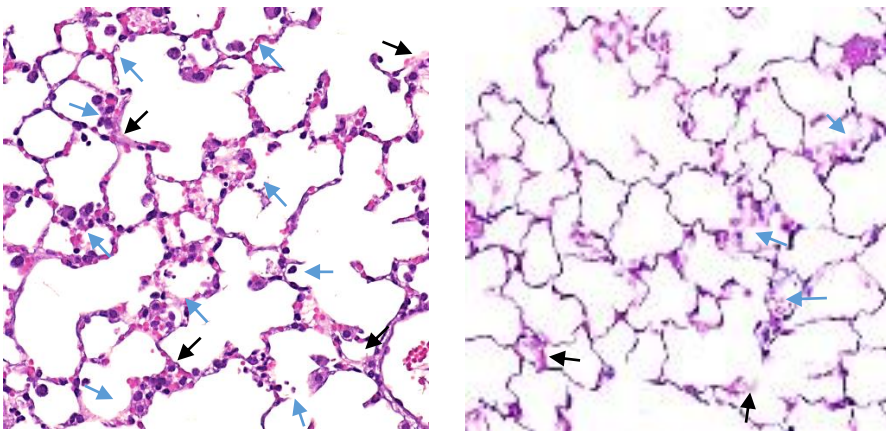
PAK 24 h

PAK 48 h



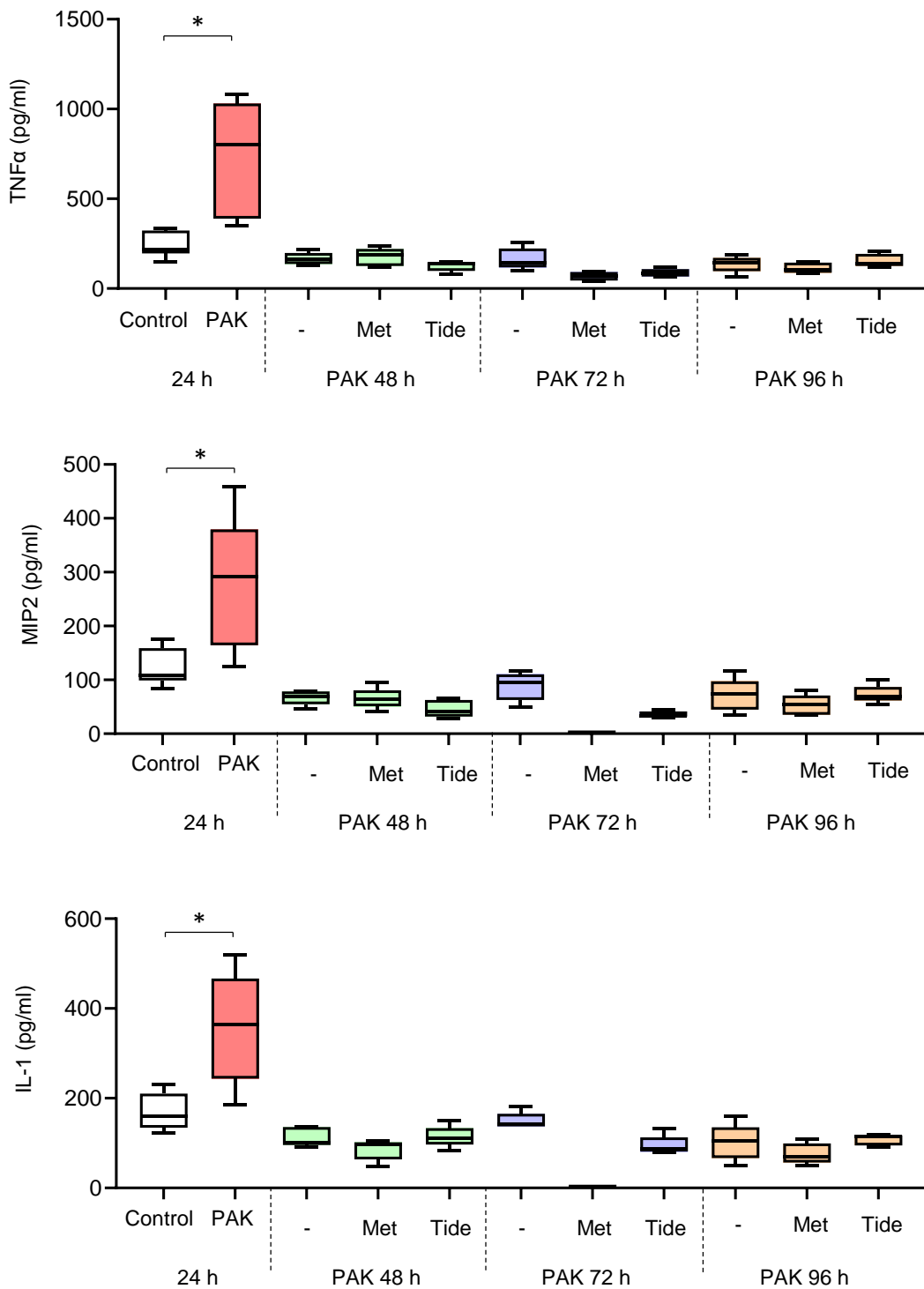
PAK 72 h

PAK 96 h



Supplementary Figure 1. AMPK activation improved recovery from *P. aeruginosa*-induced lung injury. (a) Representative images depicted lung sections (H&E) from control and groups of mice exposed to PAK for 0 (control), 24, 28, 72 and 96 hours. Arrows (blue) showed neutrophil flux and accumulation of cellular debris, as well as thickened septum (black arrows).

Supplementary Fig. 2



Supplementary Fig. 2. The amounts of TNF- α , MIP2 and IL-1 in BAL fluids from control, PAK or PAK and metformin or Tideglusib-treated mice. Data presented as Box plot, mean \pm s.d. from $n = 5$ mice/ group. * $P < 0.05$ (ANOVA)