**Supplementary Table 1: Statistical parameters (One Way ANOVA except for Figure 6A analyzed by Two Way-ANOVA):**

|  |  |  |
| --- | --- | --- |
|  | **P value** | **Values excluded \*** |
| **Figure 1A:** MV Proteins (μg) | 0.182 | 0 |
| **Figure 2B:** Aa gradient (mmHg) | 0.008 | 1 |
| **Figure 2C:** BAL proteins (mg/mL) | 0.003 | 0 |
| **Figure 2D:** BAL E. coli CFU/mL | 0.489 | 0 |
| **Fig 3 A:** WBC BAL counts/mL | 0.238 | 0 |
| **Fig 3 B:** Macrophages in the BAL (%) | 0.025 | 0 |
| **Fig 3 C:** BAL PMN (%) | 0.217 | 0 |
| **Fig 3 D:** BAL TNFα (pg/mL) | 0.026 | 0 |
| **Fig 4E:** Alveolar tissue (%) | <0.0001 | 0 |
| **Fig 4F:** Alveolar airspace (%) | <0.0001 | 0 |
| **Fig 5 B:** eNOS | 0.005 | 0 |
| **Fig 6B:** Bacterial killing (%) | 0.0004 | 0 |
| **Suppl. Figure 1:** BAL MCP-1 (pg/mL) | 0.083 | 0 |
| **Suppl. Figure 2B:** HMGB1/β-Actin | 0.245 | 0 |
| **Suppl. Figure 2C:** gp91phox(Nox-2)/β-Atin | 0.137 | 0 |

\*Chauvenet’s criterion were used for data exclusion

**Fig 6A:** Phagocytosis (E. coli x 103/mL) – Two Way ANOVA

**P value**

Column factor (Time points) 0.0044

Raw factor (Treatment) < 0.0001

Interaction 0.0011

Values excluded 0