

Fig. S7: Dynamic pulmonary compliance from Fig. 6 B with different censor times. Mice were ventilated with  $10 \text{ cmH}_2\text{O} \text{ (p10)}, 24 \text{ cmH}_2\text{O} \text{ (p24 I)}, 27 \text{ cmH}_2\text{O} \text{ (p27 I)} \text{ or } 30 \text{ cmH}_2\text{O} \text{ (p30 I)} \text{ including pressure release valve (I, p<sub>plat</sub><sup>max</sup> 34 cmH<sub>2</sub>O) for 7 h (or until death). Animals randomly received dexamethasone (D, 1mg/kg i.v.) directly after start of mechanical ventilation. Δ dynamic pulmonary compliance was calculated by <math>C_{dyn}$  end of ventilation -  $C_{dyn}$  start of ventilation. **A**: Censor at 420 min. **B**: Censor artificially set to 386 min. Data are shown as mean ±SD; n.s., not significant; \*\*, p ≤ 0.01 in comparison to 24 cmH<sub>2</sub>O group; p10: n = 6, p24 I: n = 6, p24 I D: n = 6, p27 I: n = 7, p27 I D: n = 6.