**Supplemental Digital Content 15**

**Supplemental Figure 7:** Fraction area of E-cadherin in lung tissue. NO-NV: healthy non-operated and non-ventilated controls; Low-VT/Moderate-PEEP/RM-: VT = 7 mL/kg with PEEP = 3 cmH2O and no RMs; Low-VT/Moderate-PEEP/4RM+: VT = 7 mL/kg with PEEP = 3 cmH2O and RMs before laparotomy and every 1 hour thereafter; Low-VT/High-PEEP/RM-: VT = 7 mL/kg with PEEP = 6 cmH2O and no RMs; Low-VT/High-PEEP/1RM+: VT = 7 mL/kg with PEEP = 6 cmH2O and RMs before laparotomy. Values represent medians and whiskers represent the 10-90 percentile range of 5 animals in each group. Student’s *t*-test was used for comparison of groups with the same PEEP and with or without RMs.