**Supplemental Digital Content 9**

**Table 4. Coefficients of multiple linear regression analysis**

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|  | VT | RR | P,L | *r*2 |
| DAD score | 1.84 (0.5 to 3.17)\* | -0.16 (-0.08 to 0.05) | 0.79 (-0.02 to 1.59) | 0.45 |
| E-cadherin | -2.95 (-5.07 to -0.83)\* | 0.11 (-0.01 to 0.22) | 0.39 (-1.01 to 1.80) | 0.30 |
| IL-6 (fold change relative to NV) | 3.99 (0.57 to 7.40)\* | 0.10 (-0.09 to 0.29) | -0.46 (-2.64 to 1.72) | 0.25 |
| Amphiregulin (fold change relative to NV) | 2.09 (0.99 to 3.20)\* | -0.17 (-0.08 to 0.05) | 0.04 (-0.66 to 0.75) | 0.40 |
| CC16 (fold change relative to NV) | 1.48 (-0.69 to 3.65) | -0.08 (-0.20 to 0.04) | 0.10 (-1.28 to 1.50) | 0.11 |

Values represent the beta coefficients (with 95% confidence interval) of multiple linear regression analyses. The dependent variables are tidal volume (VT), respiratory rate (RR), and transpulmonary driving pressure (P,L); the independent variables are DAD score and E-cadherin, interleukin (IL-6), amphiregulin, and club cell protein 16 (CC16) gene expressions. *r*2 represents the percentage of the response-variable variation that is explained by the multiple linear model. \*p<0.05.