**Supplemental digital content 4:** Thirty-day survival in patients with ARDS. Kaplan-Meier estimates were used to calculate probabilities of 30-day survival based on aquaporin 5 -1364A/C promoter polymorphism separated in the AA, AC and CC genotype. Thirty-day survival was higher in C-allele carriers compared with AA genotypes.

![Kaplan-Meier survival analysis graph]

- **LogRank test** $p=0.019$
- **AA genotype** (n=93): 62% [58 of 93]
- **AC/CC genotype** (n=38): 80% [4 of 5]
- **CC genotype** (n=5): 87% [33 of 38]