Supplemental Table 1. Frequency of isolated pathogens compared between type of artificial airway in ICU patients with ≥2 TA cultures during a single ICU stay.

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|  | **Endotracheal tube (N=164)** |  | **Tracheostomy tube (N=98)** |  |
|   | **Frequency** | **Percentage** |  | **Frequency** | **Percentage** | **p-value a** |
| *Acinetobacter baumanii* | 10 | 6.1% |  | 3 | 3.1% | 0.382 |
| *E. coli* | 6 | 3.7% |  | 4 | 4.1% | 0.999 |
| *Enterobacter cloacae* | 17 | 10.4% |  | 6 | 6.1% | 0.269 |
| *K. pneumoniae* | 10 | 6.1% |  | 9 | 9.2% | 0.461 |
| *Klebsiella oxytoca* | 7 | 4.3% |  | 15 | 15.3% | 0.003 |
| *Moraxella catarrhalis* | 8 | 4.9% |  | 2 | 2.0% | 0.329 |
| *MRSA* | 10 | 6.1% |  | 16 | 16.3% | 0.010 |
| *MSSA* | 33 | 20.1% |  | 19 | 19.4% | 0.999 |
| Normal Flora | 39 | 23.8% |  | 3 | 3.1% | <0.001 |
| *P. aeruginosa* | 28 | 17.1% |  | 44 | 44.9% | <0.001 |
| *Proteus mirabilis* | 0 | 0.0% |  | 5 | 5.1% | 0.007 |
| *S. maltophilia* | 14 | 8.5% |  | 14 | 14.3% | 0.154 |
| *Serratia marcescens* | 9 | 5.5% |   | 11 | 11.2% | 0.098 |
| *Note: denominator represents total number of cultures* |  |  |