

## Supplementary Table

**Table S1. Characterization of intubated subjects under mechanical ventilation**

Subject	Age	Sex	Underlying disease	Initial Antibiotics
#pt-01	81	M	COPD*, Alcoholic hepatitis, Diabetes	Piperacillin-Tazobactam
#pt-02	71	M	Lung Cancer, Renal Cell Cancer	Meropenem
#pt-03	67	M	Alcoholic Hepatitis	Ertapenem
#pt-04	65	M	Diabetes, COPD*	Piperacillin-Tazobactam

\* COPD: Chronic obstructive pulmonary disease

**Table S2. Primers for quantification of bacteria and *Candida albicans*.**

Primer	Sequence (5' – 3')
<i>Acinetobacter baumannii</i>	
<b>Abau1</b>	GGCTTATTAAGTCGGATGTG
<b>Abau2</b>	ACCTCAGCGTCAGTATTAG
<i>Pseudomonas aeruginosa</i>	
<b>Psae1</b>	TTCAGCAAGTTGGATGTG
<b>Psae2</b>	CCTCAGTGTCAGTATCAGT
<i>Staphylococcus aureus</i>	
<b>Saur1</b>	TGCATTAGCTAGTTGGTAAG
<b>Saur2</b>	ATATGTTCTTCCCTAATAACAGAG
<i>Staphylococcus epidermidis</i>	
<b>Sepi1</b>	CCGCATTAGCTAGTTGGTA
<b>Sepi2</b>	CTTACACATTTGTTCTTCCCTA
<i>Candida albicans</i>	
<b>Calb1</b>	TTTATCAACTTGTCACACCAGA
<b>Calb2</b>	ATCCCGCCTTACCACTACCG
16S rRNA	
<b>16S_1</b>	CCTACGGGAGGCAGCAG
<b>16S_2</b>	ATTACCGCGGCTGCTGGCA