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| Study ID | Sample type | Culture Results | Meta-IDs | Abundance | qPCR or Sanger Verified Species | qPCR or Sanger Refuted Species |
| L2 | Sputum |  | Veillonella\_parvula | 26.2% |  | Streptococcus\_pneumoniae;Enterococcus\_faecalis;Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa |
| L10 | Sputum |  | Rothia\_mucilaginosa | 15.9% | Pseudomonas\_aeruginosa | Enterococcus\_faecalis;Enterococcus\_faecium;Haemophilus\_influenzae;Corynebacterium\_striatum;Staphylococcus\_aureus;Streptococcus\_pneumoniae |
| L10 | Sputum |  | Streptococcus\_mitis | 8.4% | Pseudomonas\_aeruginosa | Enterococcus\_faecalis;Enterococcus\_faecium;Haemophilus\_influenzae;Corynebacterium\_striatum;Staphylococcus\_aureus;Streptococcus\_pneumoniae |
| L22 | BALF |  | Pseudomonas\_aeruginosa | 68.8% | Pseudomonas\_aeruginosa |  |
| L24 | BALF | Haemophilus\_influenzae | Haemophilus\_influenzae | 89.1% | Haemophilus\_influenzae |  |
| M3 | BALF | Acinetobacter\_baumannii;Klebsiella\_pneumoniae | Acinetobacter\_baumannii | 96.9% | Klebsiella\_pneumoniae;Enterococcus\_faecium;Corynebacterium\_striatum;Acinetobacter\_baumannii | Acinetobacter\_pittii;Pseudomonas\_aeruginosa;Escherichia\_coli |
| M3 | BALF | Acinetobacter\_baumannii;Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 2.6% | Klebsiella\_pneumoniae;Enterococcus\_faecium;Corynebacterium\_striatum;Acinetobacter\_baumannii | Acinetobacter\_pittii;Pseudomonas\_aeruginosa;Escherichia\_coli |
| M7 | BALF |  | Pseudomonas\_aeruginosa | 50.0% |  | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |
| M8 | BALF |  | Pseudomonas\_aeruginosa | 63.0% | Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Enterococcus\_faecium |
| M9 | BALF | Enterobacter\_cloacae | Bacteroides\_cellulosilyticus | 5.9% | Enterococcus\_faecium;Corynebacterium\_striatum;Escherichia\_coli;Streptococcus\_pneumoniae | Klebsiella\_pneumoniae;Acinetobacter\_baumannii;Staphylococcus\_aureus;Pseudomonas\_aeruginosa;Enterococcus\_faecalis;Enterobacter\_aerogenes;Klebsiella\_oxytoca |
| M9 | BALF | Enterobacter\_cloacae | Corynebacterium\_striatum | 4.4% | Enterococcus\_faecium;Corynebacterium\_striatum;Escherichia\_coli;Streptococcus\_pneumoniae | Klebsiella\_pneumoniae;Acinetobacter\_baumannii;Staphylococcus\_aureus;Pseudomonas\_aeruginosa;Enterococcus\_faecalis;Enterobacter\_aerogenes;Klebsiella\_oxytoca |
| M9 | BALF | Enterobacter\_cloacae | Enterococcus\_faecium | 70.2% | Enterococcus\_faecium;Corynebacterium\_striatum;Escherichia\_coli;Streptococcus\_pneumoniae | Klebsiella\_pneumoniae;Acinetobacter\_baumannii;Staphylococcus\_aureus;Pseudomonas\_aeruginosa;Enterococcus\_faecalis;Enterobacter\_aerogenes;Klebsiella\_oxytoca |
| N1 | BALF | Streptococcus\_pneumoniae | Rothia\_mucilaginosa | 21.5% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecium;Enterococcus\_faecalis;Acinetobacter\_baumannii |
| N1 | BALF | Streptococcus\_pneumoniae | Streptococcus\_pneumoniae | 10.8% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecium;Enterococcus\_faecalis;Acinetobacter\_baumannii |
| N8 | BALF | Escherichia\_coli | Pseudomonas\_aeruginosa | 68.2% |  | Pseudomonas\_aeruginosa;Escherichia\_coli |
| O3 | BALF | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 71.2% | Enterococcus\_faecium | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |
| O3 | BALF | Acinetobacter\_baumannii | Enterococcus\_faecium | 16.2% | Enterococcus\_faecium | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |
| O5 | Sputum | Pseudomonas\_aeruginosa | Corynebacterium\_striatum | 11.9% | Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia |  |
| O5 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 39.1% | Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia |  |
| O5 | Sputum | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia | 13.6% | Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia |  |
| O6 | Sputum | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 11.9% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa |  |
| O6 | Sputum | Klebsiella\_pneumoniae | Pseudomonas\_aeruginosa | 8.3% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa |  |
| O6 | Sputum | Klebsiella\_pneumoniae | Rhodococcus\_qingshengii | 10.1% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa |  |
| O7 | Sputum | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia | Burkholderia\_cepacia | 14.9% | Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia;Burkholderia\_cepacia |  |
| O7 | Sputum | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia | Corynebacterium\_striatum | 31.8% | Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia;Burkholderia\_cepacia |  |
| O7 | Sputum | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia | Pseudomonas\_aeruginosa | 29.4% | Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia;Burkholderia\_cepacia |  |
| O7 | Sputum | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia | Stenotrophomonas\_maltophilia | 12.4% | Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia;Burkholderia\_cepacia |  |
| O8 | Sputum |  | Rhodococcus\_qingshengii | 11.4% | Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Acinetobacter\_baumannii |
| O8 | Sputum |  | Streptococcus\_mitis | 25.0% | Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Acinetobacter\_baumannii |
| P2 | BALF | Pseudomonas\_aeruginosa | Parvimonas\_micra | 15.9% | Enterococcus\_faecium | Acinetobacter\_baumannii;Klebsiella\_pneumoniae;Streptococcus\_pneumoniae |
| P2 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 24.3% | Enterococcus\_faecium | Acinetobacter\_baumannii;Klebsiella\_pneumoniae;Streptococcus\_pneumoniae |
| P2 | BALF | Pseudomonas\_aeruginosa | Streptococcus\_mitis | 26.2% | Enterococcus\_faecium | Acinetobacter\_baumannii;Klebsiella\_pneumoniae;Streptococcus\_pneumoniae |
| P2 | BALF | Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae | 5.6% | Enterococcus\_faecium | Acinetobacter\_baumannii;Klebsiella\_pneumoniae;Streptococcus\_pneumoniae |
| P5 | BALF |  | Corynebacterium\_striatum | 23.1% | Enterococcus\_faecium | Klebsiella\_pneumoniae;Acinetobacter\_pittii;Corynebacterium\_striatum;Pseudomonas\_aeruginosa |
| P5 | BALF |  | Enterococcus\_faecium | 12.8% | Enterococcus\_faecium | Klebsiella\_pneumoniae;Acinetobacter\_pittii;Corynebacterium\_striatum;Pseudomonas\_aeruginosa |
| P7 | BALF | Klebsiella\_pneumoniae;Acinetobacter\_baumannii | Acinetobacter\_baumannii | 85.0% | Klebsiella\_pneumoniae;Corynebacterium\_striatum | Acinetobacter\_pittii;Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa;Achromobacter\_xylosoxidans;Escherichia\_coli;Streptococcus\_pneumoniae |
| P7 | BALF | Klebsiella\_pneumoniae;Acinetobacter\_baumannii | Klebsiella\_pneumoniae | 14.0% | Klebsiella\_pneumoniae;Corynebacterium\_striatum | Acinetobacter\_pittii;Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa;Achromobacter\_xylosoxidans;Escherichia\_coli;Streptococcus\_pneumoniae |
| P8 | Sputum |  | Prevotella\_jejuni | 10.9% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Enterococcus\_faecalis;Stenotrophomonas\_maltophilia;Corynebacterium\_striatum;Enterococcus\_faecium;Staphylococcus\_aureus;Acinetobacter\_baumannii |
| P8 | Sputum |  | Streptococcus\_parasanguinis | 31.6% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Enterococcus\_faecalis;Stenotrophomonas\_maltophilia;Corynebacterium\_striatum;Enterococcus\_faecium;Staphylococcus\_aureus;Acinetobacter\_baumannii |
| P8 | Sputum |  | Veillonella\_atypica | 24.6% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Enterococcus\_faecalis;Stenotrophomonas\_maltophilia;Corynebacterium\_striatum;Enterococcus\_faecium;Staphylococcus\_aureus;Acinetobacter\_baumannii |
| P9 | Sputum |  | Bacteroides\_heparinolyticus | 28.6% |  | Klebsiella\_pneumoniae;Streptococcus\_pneumoniae |
| P9 | Sputum |  | Porphyromonas\_gingivalis | 57.6% |  | Klebsiella\_pneumoniae;Streptococcus\_pneumoniae |
| P9 | Sputum |  | Prevotella\_intermedia | 3.5% |  | Klebsiella\_pneumoniae;Streptococcus\_pneumoniae |
| P10 | Sputum |  | Pseudomonas\_aeruginosa | 27.2% |  | Klebsiella\_pneumoniae;Staphylococcus\_aureus;Enterococcus\_faecalis;Enterococcus\_faecium;Haemophilus\_influenzae;Stenotrophomonas\_maltophilia |
| P10 | Sputum |  | Veillonella\_parvula | 17.7% |  | Klebsiella\_pneumoniae;Staphylococcus\_aureus;Enterococcus\_faecalis;Enterococcus\_faecium;Haemophilus\_influenzae;Stenotrophomonas\_maltophilia |
| Q5 | Sputum |  | Lactobacillus\_paracasei | 20.0% | Pseudomonas\_aeruginosa | Moraxella\_catarrhalis;Streptococcus\_pneumoniae;Corynebacterium\_striatum |
| Q5 | Sputum |  | Pseudomonas\_aeruginosa | 5.2% | Pseudomonas\_aeruginosa | Moraxella\_catarrhalis;Streptococcus\_pneumoniae;Corynebacterium\_striatum |
| Q5 | Sputum |  | Rothia\_mucilaginosa | 33.0% | Pseudomonas\_aeruginosa | Moraxella\_catarrhalis;Streptococcus\_pneumoniae;Corynebacterium\_striatum |
| Q9 | Sputum |  | Streptococcus\_mitis | 56.1% |  | Enterococcus\_faecalis;Streptococcus\_pneumoniae;Klebsiella\_pneumoniae;Staphylococcus\_aureus;Stenotrophomonas\_maltophilia;Moraxella\_catarrhalis |
| Q9 | Sputum |  | Streptococcus\_pneumoniae | 11.3% |  | Enterococcus\_faecalis;Streptococcus\_pneumoniae;Klebsiella\_pneumoniae;Staphylococcus\_aureus;Stenotrophomonas\_maltophilia;Moraxella\_catarrhalis |
| R5 | Sputum |  | Corynebacterium\_striatum | 17.4% | Staphylococcus\_aureus;Enterococcus\_faecium;Corynebacterium\_striatum | Streptococcus\_pneumoniae;Enterococcus\_faecalis;Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa; |
| R5 | Sputum |  | Staphylococcus\_aureus | 4.5% | Staphylococcus\_aureus;Enterococcus\_faecium;Corynebacterium\_striatum | Streptococcus\_pneumoniae;Enterococcus\_faecalis;Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa; |
| R5 | Sputum |  | Streptococcus\_oralis | 15.2% | Staphylococcus\_aureus;Enterococcus\_faecium;Corynebacterium\_striatum | Streptococcus\_pneumoniae;Enterococcus\_faecalis;Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa; |
| R6 | Sputum |  | Enterococcus\_faecium | 3.1% | Enterococcus\_faecium | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |
| R6 | Sputum |  | Lactobacillus\_pentosus | 14.2% | Enterococcus\_faecium | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |
| R6 | Sputum |  | Rothia\_mucilaginosa | 27.2% | Enterococcus\_faecium | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |
| R6 | Sputum |  | Streptococcus\_pneumoniae | 1.7% | Enterococcus\_faecium | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |
| R6 | Sputum |  | Veillonella\_parvula | 14.0% | Enterococcus\_faecium | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |
| S2 | BALF |  | Veillonella\_parvula | 11.6% |  | Stenotrophomonas\_maltophilia;Haemophilus\_influenzae;Pseudomonas\_aeruginosa;Corynebacterium\_striatum |
| S3 | Sputum |  | Fusobacterium\_necrophorum | 13.2% |  |  |
| S3 | Sputum |  | Fusobacterium\_nucleatum | 26.3% |  |  |
| S3 | Sputum |  | Parvimonas\_micra | 30.9% |  |  |
| S4 | Sputum |  | Rothia\_mucilaginosa | 67.0% |  | Corynebacterium\_striatum;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Enterococcus\_faecalis;Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia |
| S4 | Sputum |  | Veillonella\_parvula | 4.4% |  | Corynebacterium\_striatum;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Enterococcus\_faecalis;Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia |
| S11 | Sputum |  | Haemophilus\_influenzae | 29.4% | Haemophilus\_influenzae;Pseudomonas\_aeruginosa | Corynebacterium\_striatum;Acinetobacter\_baumannii |
| S11 | Sputum |  | Lactobacillus\_rhamnosus | 15.1% | Haemophilus\_influenzae;Pseudomonas\_aeruginosa | Corynebacterium\_striatum;Acinetobacter\_baumannii |
| T3 | BALF |  | Chlamydia\_psittaci | 94.8% |  | Acinetobacter\_pittii;Corynebacterium\_striatum;Acinetobacter\_baumannii |
| T4 | BALF |  | Pseudomonas\_aeruginosa | 64.7% |  | Streptococcus\_pneumoniae;Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa |
| T8 | BALF |  | Streptococcus\_mitis | 10.1% |  | Enterococcus\_faecium;Streptococcus\_pneumoniae;Haemophilus\_influenzae;Enterococcus\_faecalis;Pseudomonas\_aeruginosa;Corynebacterium\_striatum |
| T8 | BALF |  | Streptococcus\_salivarius | 10.5% |  | Enterococcus\_faecium;Streptococcus\_pneumoniae;Haemophilus\_influenzae;Enterococcus\_faecalis;Pseudomonas\_aeruginosa;Corynebacterium\_striatum |
| T8 | BALF |  | Veillonella\_atypica | 8.4% |  | Enterococcus\_faecium;Streptococcus\_pneumoniae;Haemophilus\_influenzae;Enterococcus\_faecalis;Pseudomonas\_aeruginosa;Corynebacterium\_striatum |
| V6 | Sputum | Pseudomonas\_aeruginosa | Corynebacterium\_striatum | 68.1% | Achromobacter\_xylosoxidans;Burkholderia\_cepacia;Stenotrophomonas\_maltophilia;Corynebacterium\_striatum | Haemophilus\_influenzae;Klebsiella\_pneumoniae |
| V6 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 7.1% | Achromobacter\_xylosoxidans;Burkholderia\_cepacia;Stenotrophomonas\_maltophilia;Corynebacterium\_striatum | Haemophilus\_influenzae;Klebsiella\_pneumoniae |
| T10 | BALF | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 99.7% |  |  |
| T16 | Sputum |  | Haemophilus\_influenzae | 56.0% | Haemophilus\_influenzae |  |
| T16 | Sputum |  | Pseudomonas\_aeruginosa | 32.7% | Haemophilus\_influenzae |  |
| T16 | Sputum |  | Rothia\_mucilaginosa | 5.7% | Haemophilus\_influenzae |  |
| W3 | BALF | Staphylococcus\_aureus | Pseudomonas\_aeruginosa | 27.3% | Pseudomonas\_aeruginosa | Corynebacterium\_striatum;Stenotrophomonas\_maltophilia |
| W3 | BALF | Staphylococcus\_aureus | Staphylococcus\_aureus | 26.0% | Pseudomonas\_aeruginosa | Corynebacterium\_striatum;Stenotrophomonas\_maltophilia |
| Y2 | BALF | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 75.8% |  | Klebsiella\_pneumoniae;Escherichia\_coli;Enterobacter\_aerogenes;Klebsiella\_oxytoca |
| Y13 | Sputum |  | Corynebacterium\_striatum | 95.0% | Corynebacterium\_striatum | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia |
| Z1 | BALF |  | Pseudomonas\_aeruginosa | 66.7% |  | Pseudomonas\_aeruginosa |
| Z5 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 95.6% | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia |
| Z7 | BALF |  | Prevotella\_jejuni | 42.7% | Staphylococcus\_aureus;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae |
| Z7 | BALF |  | Rothia\_mucilaginosa | 19.2% | Staphylococcus\_aureus;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae |
| Z7 | BALF |  | Staphylococcus\_aureus | 6.1% | Staphylococcus\_aureus;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae |
| AB3 | BALF | Klebsiella\_pneumoniae | Bacteroides\_fragilis | 48.2% |  | Klebsiella\_pneumoniae;Burkholderia\_cepacia;Acinetobacter\_baumannii |
| AB3 | BALF | Klebsiella\_pneumoniae | Parvimonas\_micra | 12.6% |  | Klebsiella\_pneumoniae;Burkholderia\_cepacia;Acinetobacter\_baumannii |
| AB8 | Sputum |  | Filifactor\_alocis | 4.3% | Streptococcus\_pneumoniae;Haemophilus\_influenzae;Pseudomonas\_aeruginosa | Enterococcus\_faecalis |
| AB8 | Sputum |  | Porphyromonas\_gingivalis | 51.9% | Streptococcus\_pneumoniae;Haemophilus\_influenzae;Pseudomonas\_aeruginosa | Enterococcus\_faecalis |
| AB8 | Sputum |  | Tannerella\_forsythia | 32.2% | Streptococcus\_pneumoniae;Haemophilus\_influenzae;Pseudomonas\_aeruginosa | Enterococcus\_faecalis |
| AC1 | BALF |  | Pseudomonas\_aeruginosa | 84.0% | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia;Achromobacter\_xylosoxidans;Enterococcus\_faecium;Corynebacterium\_striatum |
| AC11 | Sputum | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia | Corynebacterium\_striatum | 20.8% | Stenotrophomonas\_maltophilia;Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Klebsiella\_pneumoniae;Burkholderia\_cepacia | Enterococcus\_faecium;Escherichia\_coli |
| AC11 | Sputum | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia | Pseudomonas\_aeruginosa | 52.3% | Stenotrophomonas\_maltophilia;Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Klebsiella\_pneumoniae;Burkholderia\_cepacia | Enterococcus\_faecium;Escherichia\_coli |
| AC11 | Sputum | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia | Stenotrophomonas\_maltophilia | 14.7% | Stenotrophomonas\_maltophilia;Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Klebsiella\_pneumoniae;Burkholderia\_cepacia | Enterococcus\_faecium;Escherichia\_coli |
| AD6 | Sputum |  | Haemophilus\_influenzae | 64.4% | Haemophilus\_influenzae | Stenotrophomonas\_maltophilia;Corynebacterium\_striatum;Pseudomonas\_aeruginosa;Enterococcus\_faecium |
| AD6 | Sputum |  | Pseudomonas\_aeruginosa | 16.4% | Haemophilus\_influenzae | Stenotrophomonas\_maltophilia;Corynebacterium\_striatum;Pseudomonas\_aeruginosa;Enterococcus\_faecium |
| AD7 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 99.1% |  | Streptococcus\_pneumoniae;Corynebacterium\_striatum;Klebsiella\_pneumoniae;Achromobacter\_xylosoxidans;Enterococcus\_faecalis;Stenotrophomonas\_maltophilia;Burkholderia\_cepacia |
| AD8 | Sputum |  | Rothia\_mucilaginosa | 16.9% | Streptococcus\_pneumoniae | Haemophilus\_influenzae;Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Enterococcus\_faecium;Klebsiella\_pneumoniae;Escherichia\_coli;Stenotrophomonas\_maltophilia;Staphylococcus\_aureus;Acinetobacter\_baumannii;Enterococcus\_faecalis |
| AD8 | Sputum |  | Streptococcus\_pneumoniae | 6.0% | Streptococcus\_pneumoniae | Haemophilus\_influenzae;Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Enterococcus\_faecium;Klebsiella\_pneumoniae;Escherichia\_coli;Stenotrophomonas\_maltophilia;Staphylococcus\_aureus;Acinetobacter\_baumannii;Enterococcus\_faecalis |
| AD8 | Sputum |  | Streptococcus\_pseudopneumoniae | 12.1% | Streptococcus\_pneumoniae | Haemophilus\_influenzae;Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Enterococcus\_faecium;Klebsiella\_pneumoniae;Escherichia\_coli;Stenotrophomonas\_maltophilia;Staphylococcus\_aureus;Acinetobacter\_baumannii;Enterococcus\_faecalis |
| AE2 | BALF |  | Streptococcus\_oralis | 43.0% | Enterococcus\_faecium | Streptococcus\_pneumoniae;Enterococcus\_faecalis |
| AE6 | BALF |  | Pseudomonas\_aeruginosa | 11.1% | Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Haemophilus\_influenzae; |
| AF8 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 88.3% | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia |
| AF17 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 79.6% | Pseudomonas\_aeruginosa |  |
| AG2 | BALF | Streptococcus\_pneumoniae | Streptococcus\_pneumoniae | 98.7% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia;Enterococcus\_faecalis;Enterococcus\_faecium |
| AG6 | Sputum | Acinetobacter\_baumannii | Prevotella\_melaninogenica | 9.1% | Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Acinetobacter\_baumannii;Stenotrophomonas\_maltophilia |
| AG6 | Sputum | Acinetobacter\_baumannii | Rothia\_mucilaginosa | 24.7% | Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Acinetobacter\_baumannii;Stenotrophomonas\_maltophilia |
| AG6 | Sputum | Acinetobacter\_baumannii | Veillonella\_parvula | 19.6% | Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Acinetobacter\_baumannii;Stenotrophomonas\_maltophilia |
| AI5 | BALF |  | Corynebacterium\_striatum | 92.8% | Corynebacterium\_striatum;Pseudomonas\_aeruginosa | Enterococcus\_faecalis |
| AI11 | Sputum |  | Streptococcus\_mitis | 20.7% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecium;Corynebacterium\_striatum |
| AH9 | Sputum | Acinetobacter\_pittii | Acinetobacter\_pittii | 80.4% | Acinetobacter\_pittii;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii |
| AI14 | Sputum | Acinetobacter\_baumannii | Pseudomonas\_aeruginosa | 5.8% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |  |
| AI14 | Sputum | Acinetobacter\_baumannii | Rothia\_mucilaginosa | 65.6% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |  |
| AK2 | BALF |  | Pseudomonas\_aeruginosa | 34.1% | Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Acinetobacter\_pittii |
| AJ10 | Sputum | Acinetobacter\_baumannii;Streptococcus\_pneumoniae | Acinetobacter\_baumannii | 100.0% | Enterococcus\_faecium;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Klebsiella\_pneumoniae;Acinetobacter\_pittii;Escherichia\_coli;Enterobacter\_aerogenes |
| AJ13 | Sputum | Acinetobacter\_nosocomialis | Acinetobacter\_baumannii | 38.5% | Staphylococcus\_aureus;Corynebacterium\_striatum;Pseudomonas\_aeruginosa | Acinetobacter\_pittii;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii |
| AJ13 | Sputum | Acinetobacter\_nosocomialis | Staphylococcus\_aureus | 42.9% | Staphylococcus\_aureus;Corynebacterium\_striatum;Pseudomonas\_aeruginosa | Acinetobacter\_pittii;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii |
| AK6 | Sputum |  | Pseudomonas\_aeruginosa | 100.0% | Pseudomonas\_aeruginosa |  |
| AJ12 | Sputum | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 19.1% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae |
| AJ12 | Sputum | Klebsiella\_pneumoniae | Prevotella\_melaninogenica | 16.9% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae |
| AJ12 | Sputum | Klebsiella\_pneumoniae | Veillonella\_atypica | 18.0% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae |
| AJ12 | Sputum | Klebsiella\_pneumoniae | Veillonella\_parvula | 15.7% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae |
| AM5 | BALF | Pseudomonas\_aeruginosa | Corynebacterium\_striatum | 1.7% | Corynebacterium\_striatum | Burkholderia\_cepacia |
| AM5 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 95.3% | Corynebacterium\_striatum | Burkholderia\_cepacia |
| AL12 | Sputum | Burkholderia\_cepacia | Burkholderia\_cepacia | 99.5% |  |  |
| AN10 | Sputum |  | Filifactor\_alocis | 7.9% | Haemophilus\_influenzae;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Enterococcus\_faecalis;Enterococcus\_faecium;Staphylococcus\_aureus |
| AN10 | Sputum |  | Parvimonas\_micra | 11.4% | Haemophilus\_influenzae;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Enterococcus\_faecalis;Enterococcus\_faecium;Staphylococcus\_aureus |
| AN10 | Sputum |  | Streptococcus\_constellatus | 12.8% | Haemophilus\_influenzae;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Enterococcus\_faecalis;Enterococcus\_faecium;Staphylococcus\_aureus |
| AO3 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Acinetobacter\_baumannii | 21.3% | Corynebacterium\_striatum;Enterococcus\_faecium;Burkholderia\_cepacia | Acinetobacter\_pittii;Enterococcus\_faecalis;Escherichia\_coli;Stenotrophomonas\_maltophilia |
| AO3 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Corynebacterium\_striatum | 18.8% | Corynebacterium\_striatum;Enterococcus\_faecium;Burkholderia\_cepacia | Acinetobacter\_pittii;Enterococcus\_faecalis;Escherichia\_coli;Stenotrophomonas\_maltophilia |
| AO3 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Pseudomonas\_aeruginosa | 58.9% | Corynebacterium\_striatum;Enterococcus\_faecium;Burkholderia\_cepacia | Acinetobacter\_pittii;Enterococcus\_faecalis;Escherichia\_coli;Stenotrophomonas\_maltophilia |
| AO9 | Sputum | Burkholderia\_cepacia | Burkholderia\_cepacia | 99.2% | Pseudomonas\_aeruginosa;Burkholderia\_cepacia | Streptococcus\_pneumoniae;Stenotrophomonas\_maltophilia;Burkholderia\_multivorans |
| AN11 | Sputum |  | Streptococcus\_gordonii | 14.3% | Streptococcus\_pneumoniae | Haemophilus\_influenzae;Enterococcus\_faecalis;Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Enterococcus\_faecium;Staphylococcus\_aureus |
| AN11 | Sputum |  | Streptococcus\_parasanguinis | 9.3% | Streptococcus\_pneumoniae | Haemophilus\_influenzae;Enterococcus\_faecalis;Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Enterococcus\_faecium;Staphylococcus\_aureus |
| AO2 | BALF |  | Pseudomonas\_aeruginosa | 90.0% | Pseudomonas\_aeruginosa | Haemophilus\_influenzae;Burkholderia\_cepacia |
| AN2 | BALF |  | Corynebacterium\_striatum | 56.1% | Corynebacterium\_striatum;Enterococcus\_faecium;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Stenotrophomonas\_maltophilia |
| AN2 | BALF |  | Pseudomonas\_aeruginosa | 29.3% | Corynebacterium\_striatum;Enterococcus\_faecium;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Stenotrophomonas\_maltophilia |
| AM8 | Sputum |  | Moraxella\_catarrhalis | 87.9% | Moraxella\_catarrhalis;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Stenotrophomonas\_maltophilia |
| AM8 | Sputum |  | Rothia\_mucilaginosa | 9.4% | Moraxella\_catarrhalis;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Stenotrophomonas\_maltophilia |
| AR7 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 53.5% | Streptococcus\_pneumoniae | Enterococcus\_faecalis;Staphylococcus\_aureus |
| AR7 | Sputum | Pseudomonas\_aeruginosa | Streptococcus\_mitis | 19.0% | Streptococcus\_pneumoniae | Enterococcus\_faecalis;Staphylococcus\_aureus |
| AR7 | Sputum | Pseudomonas\_aeruginosa | Streptococcus\_parasanguinis | 6.4% | Streptococcus\_pneumoniae | Enterococcus\_faecalis;Staphylococcus\_aureus |
| AR7 | Sputum | Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae | 5.2% | Streptococcus\_pneumoniae | Enterococcus\_faecalis;Staphylococcus\_aureus |
| AR8 | Sputum |  | Rothia\_mucilaginosa | 45.6% |  | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |
| AR8 | Sputum |  | Streptococcus\_mitis | 8.1% |  | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |
| AR12 | Sputum | Klebsiella\_pneumoniae | Acinetobacter\_baumannii | 76.8% | Klebsiella\_pneumoniae;Enterococcus\_faecium;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |  |
| AP3 | BALF |  | Acinetobacter\_baumannii | 20.9% | Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Corynebacterium\_striatum;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii |
| AP3 | BALF |  | Corynebacterium\_striatum | 48.6% | Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Corynebacterium\_striatum;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii |
| AP3 | BALF |  | Pseudomonas\_aeruginosa | 11.5% | Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Corynebacterium\_striatum;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii |
| AP3 | BALF |  | Stenotrophomonas\_maltophilia | 14.2% | Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Corynebacterium\_striatum;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii |
| AP4 | BALF | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 99.0% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Corynebacterium\_striatum |
| AR2 | BALF | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii | 18.1% | Corynebacterium\_striatum;Stenotrophomonas\_maltophilia | Klebsiella\_pneumoniae;Achromobacter\_xylosoxidans;Escherichia\_coli;Burkholderia\_cepacia;Enterobacter\_aerogenes;Acinetobacter\_baumannii;Acinetobacter\_pittii |
| AR2 | BALF | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa | Corynebacterium\_striatum | 55.1% | Corynebacterium\_striatum;Stenotrophomonas\_maltophilia | Klebsiella\_pneumoniae;Achromobacter\_xylosoxidans;Escherichia\_coli;Burkholderia\_cepacia;Enterobacter\_aerogenes;Acinetobacter\_baumannii;Acinetobacter\_pittii |
| AR2 | BALF | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 14.3% | Corynebacterium\_striatum;Stenotrophomonas\_maltophilia | Klebsiella\_pneumoniae;Achromobacter\_xylosoxidans;Escherichia\_coli;Burkholderia\_cepacia;Enterobacter\_aerogenes;Acinetobacter\_baumannii;Acinetobacter\_pittii |
| AR2 | BALF | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia | 10.6% | Corynebacterium\_striatum;Stenotrophomonas\_maltophilia | Klebsiella\_pneumoniae;Achromobacter\_xylosoxidans;Escherichia\_coli;Burkholderia\_cepacia;Enterobacter\_aerogenes;Acinetobacter\_baumannii;Acinetobacter\_pittii |
| AR15 | Sputum | Staphylococcus\_aureus | Staphylococcus\_aureus | 99.5% | Staphylococcus\_aureus | Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa |
| AS1 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 99.8% | Pseudomonas\_aeruginosa | Staphylococcus\_aureus |
| AS3 | BALF | Moraxella\_catarrhalis | Moraxella\_catarrhalis | 97.4% | Moraxella\_catarrhalis;Pseudomonas\_aeruginosa | Staphylococcus\_aureus |
| AS7 | BALF | Pseudomonas\_aeruginosa | Haemophilus\_influenzae | 4.5% | Haemophilus\_influenzae;Streptococcus\_pneumoniae | Corynebacterium\_striatum;Enterococcus\_faecalis;Klebsiella\_pneumoniae;Stenotrophomonas\_maltophilia;Staphylococcus\_aureus |
| AS7 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 85.7% | Haemophilus\_influenzae;Streptococcus\_pneumoniae | Corynebacterium\_striatum;Enterococcus\_faecalis;Klebsiella\_pneumoniae;Stenotrophomonas\_maltophilia;Staphylococcus\_aureus |
| AS7 | BALF | Pseudomonas\_aeruginosa | Streptococcus\_anginosus | 2.8% | Haemophilus\_influenzae;Streptococcus\_pneumoniae | Corynebacterium\_striatum;Enterococcus\_faecalis;Klebsiella\_pneumoniae;Stenotrophomonas\_maltophilia;Staphylococcus\_aureus |
| AV2 | BALF | Streptococcus\_pneumoniae | Streptococcus\_pneumoniae | 96.8% | Streptococcus\_pneumoniae | Klebsiella\_pneumoniae |
| AV6 | BALF | Staphylococcus\_aureus | Staphylococcus\_aureus | 91.2% | Staphylococcus\_aureus;Pseudomonas\_aeruginosa | Klebsiella\_pneumoniae;Acinetobacter\_baumannii |
| AS8 | BALF | Enterobacter\_cloacae | Capnocytophaga\_leadbetteri | 5.1% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecalis;Enterococcus\_faecium;Klebsiella\_pneumoniae;Acinetobacter\_baumannii |
| AS8 | BALF | Enterobacter\_cloacae | Enterobacter\_cloacae | 3.2% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecalis;Enterococcus\_faecium;Klebsiella\_pneumoniae;Acinetobacter\_baumannii |
| AS8 | BALF | Enterobacter\_cloacae | Enterococcus\_faecalis | 25.0% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecalis;Enterococcus\_faecium;Klebsiella\_pneumoniae;Acinetobacter\_baumannii |
| AU2 | BALF | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii | 98.3% |  | Acinetobacter\_pittii;Klebsiella\_pneumoniae;Escherichia\_coli;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii |
| AV8 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 28.6% | Achromobacter\_xylosoxidans;Corynebacterium\_striatum | Enterococcus\_faecalis;Klebsiella\_pneumoniae;Escherichia\_coli;Streptococcus\_pneumoniae |
| AV8 | Sputum | Pseudomonas\_aeruginosa | Serratia\_marcescens | 32.1% | Achromobacter\_xylosoxidans;Corynebacterium\_striatum | Enterococcus\_faecalis;Klebsiella\_pneumoniae;Escherichia\_coli;Streptococcus\_pneumoniae |
| AV8 | Sputum | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia | 4.6% | Achromobacter\_xylosoxidans;Corynebacterium\_striatum | Enterococcus\_faecalis;Klebsiella\_pneumoniae;Escherichia\_coli;Streptococcus\_pneumoniae |
| AV8 | Sputum | Pseudomonas\_aeruginosa | Streptococcus\_oralis | 11.8% | Achromobacter\_xylosoxidans;Corynebacterium\_striatum | Enterococcus\_faecalis;Klebsiella\_pneumoniae;Escherichia\_coli;Streptococcus\_pneumoniae |
| AU5 | Sputum |  | Corynebacterium\_striatum | 93.6% | Corynebacterium\_striatum | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia |
| AU6 | Sputum |  | Prevotella\_melaninogenica | 33.3% | Pseudomonas\_aeruginosa | Corynebacterium\_striatum |
| AV5 | BALF |  | Parvimonas\_micra | 84.6% |  | Pseudomonas\_aeruginosa |
| AW9 | Sputum |  | Actinomyces\_pacaensis | 5.2% |  |  |
| AW9 | Sputum |  | Rothia\_mucilaginosa | 64.6% |  |  |
| AX8 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_mendocina | 97.3% |  |  |
| AX12 | Sputum |  | Lactobacillus\_crispatus | 11.0% |  |  |
| AX12 | Sputum |  | Parascardovia\_denticolens | 20.7% |  |  |
| AX12 | Sputum |  | Veillonella\_parvula | 8.7% |  |  |
| AY4 | BALF |  | Enterococcus\_faecium | 29.0% | Enterococcus\_faecium;Pseudomonas\_aeruginosa |  |
| AY4 | BALF |  | Mycoplasma\_pneumoniae | 65.2% | Enterococcus\_faecium;Pseudomonas\_aeruginosa |  |
| AY9 | Sputum |  | Bacteroides\_heparinolyticus | 31.0% |  | Pseudomonas\_aeruginosa |
| AY9 | Sputum |  | Parvimonas\_micra | 48.3% |  | Pseudomonas\_aeruginosa |
| AZ4 | BALF | Enterobacter\_cloacae | Pseudomonas\_aeruginosa | 15.2% |  | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |
| AZ4 | BALF | Enterobacter\_cloacae | Rothia\_mucilaginosa | 47.8% |  | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |
| AY7 | Sputum | Corynebacterium\_striatum | Corynebacterium\_striatum | 21.5% | Enterococcus\_faecium;Corynebacterium\_striatum | Pseudomonas\_aeruginosa;Streptococcus\_pneumoniae;Enterococcus\_faecalis;Acinetobacter\_baumannii |
| AY7 | Sputum | Corynebacterium\_striatum | Rothia\_mucilaginosa | 61.1% | Enterococcus\_faecium;Corynebacterium\_striatum | Pseudomonas\_aeruginosa;Streptococcus\_pneumoniae;Enterococcus\_faecalis;Acinetobacter\_baumannii |
| AX105 | Sputum |  | Streptococcus\_pneumoniae | 64.3% | Streptococcus\_pneumoniae;Haemophilus\_influenzae;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii |
| BA1 | BALF |  | Pseudomonas\_aeruginosa | 88.9% | Pseudomonas\_aeruginosa |  |
| BA6 | BALF |  | Haemophilus\_influenzae | 98.1% | Haemophilus\_influenzae | Acinetobacter\_baumannii |
| BA10 | BALF | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 96.8% | Enterococcus\_faecium;Acinetobacter\_baumannii | Klebsiella\_pneumoniae;Acinetobacter\_pittii;Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Escherichia\_coli;Streptococcus\_pneumoniae;Staphylococcus\_aureus |
| BA10 | BALF | Acinetobacter\_baumannii | Lactobacillus\_mucosae | 1.3% | Enterococcus\_faecium;Acinetobacter\_baumannii | Klebsiella\_pneumoniae;Acinetobacter\_pittii;Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Escherichia\_coli;Streptococcus\_pneumoniae;Staphylococcus\_aureus |
| BA11 | Sputum |  | Mycobacterium\_tuberculosis | 91.4% |  | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |
| BA15 | Sputum |  | Corynebacterium\_simulans | 84.7% |  | Corynebacterium\_striatum;Acinetobacter\_baumannii;Pseudomonas\_aeruginosa;Staphylococcus\_aureus;Streptococcus\_pneumoniae |
| BA15 | Sputum |  | Rothia\_mucilaginosa | 7.8% |  | Corynebacterium\_striatum;Acinetobacter\_baumannii;Pseudomonas\_aeruginosa;Staphylococcus\_aureus;Streptococcus\_pneumoniae |
| BB11 | Sputum | Klebsiella\_pneumoniae;Corynebacterium\_striatum | Acinetobacter\_baumannii | 30.3% | Staphylococcus\_aureus;Corynebacterium\_striatum;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |  |
| BB11 | Sputum | Klebsiella\_pneumoniae;Corynebacterium\_striatum | Corynebacterium\_striatum | 54.8% | Staphylococcus\_aureus;Corynebacterium\_striatum;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |  |
| BB11 | Sputum | Klebsiella\_pneumoniae;Corynebacterium\_striatum | Lactobacillus\_gasseri | 7.2% | Staphylococcus\_aureus;Corynebacterium\_striatum;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |  |
| BB12 | Sputum | Streptococcus\_pneumoniae | Lactobacillus\_rhamnosus | 24.5% | Streptococcus\_pneumoniae |  |
| BB12 | Sputum | Streptococcus\_pneumoniae | Rothia\_dentocariosa | 10.6% | Streptococcus\_pneumoniae |  |
| BB12 | Sputum | Streptococcus\_pneumoniae | Streptococcus\_parasanguinis | 11.0% | Streptococcus\_pneumoniae |  |
| BB12 | Sputum | Streptococcus\_pneumoniae | Streptococcus\_pneumoniae | 12.3% | Streptococcus\_pneumoniae |  |
| BB15 | Sputum |  | Rothia\_mucilaginosa | 19.2% |  | Streptococcus\_pneumoniae;Stenotrophomonas\_maltophilia;Enterococcus\_faecalis;Pseudomonas\_aeruginosa;Corynebacterium\_striatum |
| BB15 | Sputum |  | Streptococcus\_parasanguinis | 16.8% |  | Streptococcus\_pneumoniae;Stenotrophomonas\_maltophilia;Enterococcus\_faecalis;Pseudomonas\_aeruginosa;Corynebacterium\_striatum |
| BB15 | Sputum |  | Veillonella\_parvula | 20.9% |  | Streptococcus\_pneumoniae;Stenotrophomonas\_maltophilia;Enterococcus\_faecalis;Pseudomonas\_aeruginosa;Corynebacterium\_striatum |
| BB16 | Sputum | Moraxella\_catarrhalis | Moraxella\_catarrhalis | 18.4% | Streptococcus\_pneumoniae;Moraxella\_catarrhalis | Enterococcus\_faecalis;Corynebacterium\_striatum;Haemophilus\_influenzae;Staphylococcus\_aureus |
| BB16 | Sputum | Moraxella\_catarrhalis | Streptococcus\_parasanguinis | 20.3% | Streptococcus\_pneumoniae;Moraxella\_catarrhalis | Enterococcus\_faecalis;Corynebacterium\_striatum;Haemophilus\_influenzae;Staphylococcus\_aureus |
| BB16 | Sputum | Moraxella\_catarrhalis | Veillonella\_atypica | 13.0% | Streptococcus\_pneumoniae;Moraxella\_catarrhalis | Enterococcus\_faecalis;Corynebacterium\_striatum;Haemophilus\_influenzae;Staphylococcus\_aureus |
| BC8 | Sputum |  | Enterococcus\_faecalis | 4.7% | Enterococcus\_faecium;Enterococcus\_faecalis;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Staphylococcus\_aureus |
| BC8 | Sputum |  | Streptococcus\_oralis | 45.0% | Enterococcus\_faecium;Enterococcus\_faecalis;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Staphylococcus\_aureus |
| BD5 | BALF | Corynebacterium\_striatum | Corynebacterium\_striatum | 60.0% |  | Corynebacterium\_striatum;Pseudomonas\_aeruginosa |
| BE4 | BALF | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 91.0% | Pseudomonas\_aeruginosa | Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii |
| BE5 | Sputum | Pseudomonas\_aeruginosa;Moraxella\_catarrhalis | Moraxella\_catarrhalis | 27.3% | Moraxella\_catarrhalis | Achromobacter\_xylosoxidans;Streptococcus\_pneumoniae |
| BE5 | Sputum | Pseudomonas\_aeruginosa;Moraxella\_catarrhalis | Pseudomonas\_aeruginosa | 69.1% | Moraxella\_catarrhalis | Achromobacter\_xylosoxidans;Streptococcus\_pneumoniae |
| BE6 | Sputum | Pseudomonas\_aeruginosa | Achromobacter\_xylosoxidans | 85.3% | Achromobacter\_xylosoxidans;Corynebacterium\_striatum | Klebsiella\_pneumoniae;Escherichia\_coli;Streptococcus\_pneumoniae;Moraxella\_catarrhalis;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii;Burkholderia\_cepacia |
| BE6 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 12.3% | Achromobacter\_xylosoxidans;Corynebacterium\_striatum | Klebsiella\_pneumoniae;Escherichia\_coli;Streptococcus\_pneumoniae;Moraxella\_catarrhalis;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii;Burkholderia\_cepacia |
| BE7 | Sputum | Enterobacter\_cloacae | Staphylococcus\_epidermidis | 8.2% | Stenotrophomonas\_maltophilia;Staphylococcus\_aureus | Achromobacter\_xylosoxidans;Corynebacterium\_striatum;Enterococcus\_faecium |
| BE7 | Sputum | Enterobacter\_cloacae | Stenotrophomonas\_maltophilia | 47.8% | Stenotrophomonas\_maltophilia;Staphylococcus\_aureus | Achromobacter\_xylosoxidans;Corynebacterium\_striatum;Enterococcus\_faecium |
| BF5 | Sputum |  | Corynebacterium\_striatum | 48.9% | Haemophilus\_influenzae | Achromobacter\_xylosoxidans;Corynebacterium\_striatum;Enterococcus\_faecium;Stenotrophomonas\_maltophilia |
| BF5 | Sputum |  | Haemophilus\_influenzae | 20.1% | Haemophilus\_influenzae | Achromobacter\_xylosoxidans;Corynebacterium\_striatum;Enterococcus\_faecium;Stenotrophomonas\_maltophilia |
| BF5 | Sputum |  | Parvimonas\_micra | 15.6% | Haemophilus\_influenzae | Achromobacter\_xylosoxidans;Corynebacterium\_striatum;Enterococcus\_faecium;Stenotrophomonas\_maltophilia |
| BF6 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 95.2% |  | Enterococcus\_faecium;Stenotrophomonas\_maltophilia;Achromobacter\_xylosoxidans;Corynebacterium\_striatum |
| BF9 | Sputum | Stenotrophomonas\_maltophilia | Enterococcus\_faecium | 82.2% | Enterococcus\_faecium;Pseudomonas\_aeruginosa | Corynebacterium\_striatum;Enterococcus\_faecalis;Achromobacter\_xylosoxidans;Staphylococcus\_aureus |
| BF9 | Sputum | Stenotrophomonas\_maltophilia | Stenotrophomonas\_maltophilia | 16.9% | Enterococcus\_faecium;Pseudomonas\_aeruginosa | Corynebacterium\_striatum;Enterococcus\_faecalis;Achromobacter\_xylosoxidans;Staphylococcus\_aureus |
| BG2 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 75.3% | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia |
| BG2 | BALF | Pseudomonas\_aeruginosa | Veillonella\_parvula | 2.7% | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia |
| BG5 | BALF | Corynebacterium\_striatum | Corynebacterium\_striatum | 83.7% | Corynebacterium\_striatum;Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia |
| BG5 | BALF | Corynebacterium\_striatum | Pseudomonas\_aeruginosa | 12.2% | Corynebacterium\_striatum;Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia |
| BH2 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 22.9% |  | Streptococcus\_pneumoniae;Corynebacterium\_striatum |
| BH4 | BALF | Burkholderia\_cepacia | Burkholderia\_cepacia | 11.4% | Pseudomonas\_aeruginosa;Burkholderia\_cepacia | Corynebacterium\_striatum |
| BH10 | Sputum | Stenotrophomonas\_maltophilia;Corynebacterium\_striatum | Corynebacterium\_striatum | 86.8% | Stenotrophomonas\_maltophilia;Corynebacterium\_striatum | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Klebsiella\_pneumoniae;Escherichia\_coli |
| BH10 | Sputum | Stenotrophomonas\_maltophilia;Corynebacterium\_striatum | Stenotrophomonas\_maltophilia | 2.9% | Stenotrophomonas\_maltophilia;Corynebacterium\_striatum | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Klebsiella\_pneumoniae;Escherichia\_coli |
| BH11 | Sputum |  | Rothia\_mucilaginosa | 30.9% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecalis;Corynebacterium\_striatum;Enterococcus\_faecium;Staphylococcus\_aureus |
| BH11 | Sputum |  | Streptococcus\_mitis | 6.9% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecalis;Corynebacterium\_striatum;Enterococcus\_faecium;Staphylococcus\_aureus |
| BH13 | Sputum | Moraxella\_catarrhalis | Moraxella\_catarrhalis | 92.4% | Moraxella\_catarrhalis;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecium;Achromobacter\_xylosoxidans;Haemophilus\_influenzae;Stenotrophomonas\_maltophilia |
| BH13 | Sputum | Moraxella\_catarrhalis | Rothia\_mucilaginosa | 1.7% | Moraxella\_catarrhalis;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecium;Achromobacter\_xylosoxidans;Haemophilus\_influenzae;Stenotrophomonas\_maltophilia |
| CB4 | Sputum |  | Porphyromonas\_gingivalis | 26.5% |  |  |
| CB4 | Sputum |  | Rothia\_mucilaginosa | 15.9% |  |  |
| CB4 | Sputum |  | Streptococcus\_parasanguinis | 15.4% |  |  |
| CB4 | Sputum |  | Streptococcus\_salivarius | 14.5% |  |  |
| CC2 | Sputum |  | Enterococcus\_faecium | 65.2% | Enterococcus\_faecium | Pseudomonas\_aeruginosa |
| CC5 | Sputum |  | Pseudomonas\_aeruginosa | 1.3% | Streptococcus\_pneumoniae |  |
| CC5 | Sputum |  | Streptococcus\_mitis | 55.5% | Streptococcus\_pneumoniae |  |
| CC5 | Sputum |  | Streptococcus\_pneumoniae | 10.5% | Streptococcus\_pneumoniae |  |
| CC6 | Sputum | Streptococcus\_pneumoniae | Rothia\_mucilaginosa | 15.4% | Streptococcus\_pneumoniae |  |
| CC6 | Sputum | Streptococcus\_pneumoniae | Streptococcus\_parasanguinis | 18.8% | Streptococcus\_pneumoniae |  |
| CC6 | Sputum | Streptococcus\_pneumoniae | Streptococcus\_pneumoniae | 6.7% | Streptococcus\_pneumoniae |  |
| CC6 | Sputum | Streptococcus\_pneumoniae | Streptococcus\_salivarius | 18.3% | Streptococcus\_pneumoniae |  |
| CF2 | BALF |  | Acinetobacter\_baumannii | 44.7% | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |  |
| CF2 | BALF |  | Pseudomonas\_aeruginosa | 15.8% | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |  |
| CH5 | BALF | Pseudomonas\_aeruginosa;Burkholderia\_cepacia | Acinetobacter\_baumannii | 5.3% | Burkholderia\_cepacia;Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |  |
| CH5 | BALF | Pseudomonas\_aeruginosa;Burkholderia\_cepacia | Pseudomonas\_aeruginosa | 92.5% | Burkholderia\_cepacia;Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |  |
| CI9 | Sputum | Pseudomonas\_aeruginosa;Burkholderia\_cepacia | Burkholderia\_cepacia | 95.5% | Burkholderia\_cepacia;Stenotrophomonas\_maltophilia |  |
| CI9 | Sputum | Pseudomonas\_aeruginosa;Burkholderia\_cepacia | Stenotrophomonas\_maltophilia | 3.3% | Burkholderia\_cepacia;Stenotrophomonas\_maltophilia |  |
| CI11 | Sputum | Staphylococcus\_aureus | Staphylococcus\_aureus | 31.2% | Burkholderia\_cepacia;Staphylococcus\_aureus | Stenotrophomonas\_maltophilia;Streptococcus\_pneumoniae |
| CI11 | Sputum | Staphylococcus\_aureus | Streptococcus\_constellatus | 8.1% | Burkholderia\_cepacia;Staphylococcus\_aureus | Stenotrophomonas\_maltophilia;Streptococcus\_pneumoniae |
| CI12 | Sputum | Klebsiella\_pneumoniae | Corynebacterium\_striatum | 34.2% | Corynebacterium\_striatum | Klebsiella\_pneumoniae |
| CI12 | Sputum | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 3.1% | Corynebacterium\_striatum | Klebsiella\_pneumoniae |
| CI12 | Sputum | Klebsiella\_pneumoniae | Staphylococcus\_epidermidis | 44.2% | Corynebacterium\_striatum | Klebsiella\_pneumoniae |
| CI12 | Sputum | Klebsiella\_pneumoniae | Streptococcus\_oralis | 6.9% | Corynebacterium\_striatum | Klebsiella\_pneumoniae |
| CJ1 | BALF | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 2.4% | Corynebacterium\_striatum;Enterococcus\_faecium;Acinetobacter\_baumannii | Pseudomonas\_aeruginosa |
| CJ1 | BALF | Acinetobacter\_baumannii | Corynebacterium\_striatum | 89.2% | Corynebacterium\_striatum;Enterococcus\_faecium;Acinetobacter\_baumannii | Pseudomonas\_aeruginosa |
| CJ8 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 96.5% | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia |
| CJ8 | Sputum | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia | 1.8% | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia |
| CH3 | BALF |  | Tannerella\_forsythia | 23.6% | Pseudomonas\_aeruginosa |  |
| CH3 | BALF |  | Treponema\_denticola | 30.0% | Pseudomonas\_aeruginosa |  |
| CH9 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 81.2% | Pseudomonas\_aeruginosa |  |
| CH9 | Sputum | Pseudomonas\_aeruginosa | Streptococcus\_oralis | 5.6% | Pseudomonas\_aeruginosa |  |
| CI8 | BALF | Corynebacterium\_striatum | Corynebacterium\_striatum | 6.7% | Corynebacterium\_striatum;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |  |
| CI8 | BALF | Corynebacterium\_striatum | Streptococcus\_pneumoniae | 78.7% | Corynebacterium\_striatum;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |  |
| CM2 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Acinetobacter\_baumannii | 95.6% | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |  |
| CM2 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Pseudomonas\_aeruginosa | 4.4% | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |  |
| CM3 | BALF |  | Pseudomonas\_aeruginosa | 35.3% | Pseudomonas\_aeruginosa | Acinetobacter\_baumannii |
| CN8 | BALF |  | Pseudomonas\_aeruginosa | 31.3% | Pseudomonas\_aeruginosa | Acinetobacter\_baumannii |
| CN12\_XX | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Pseudomonas\_aeruginosa | 43.9% | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa | Burkholderia\_cepacia |
| CO2 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Acinetobacter\_baumannii | 94.3% | Staphylococcus\_aureus;Acinetobacter\_baumannii |  |
| CO2 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Parvimonas\_micra | 1.6% | Staphylococcus\_aureus;Acinetobacter\_baumannii |  |
| CR9 | Sputum | Acinetobacter\_baumannii | Bifidobacterium\_breve | 27.0% |  |  |
| CR9 | Sputum | Acinetobacter\_baumannii | Lactobacillus\_paracasei | 10.6% |  |  |
| CR9 | Sputum | Acinetobacter\_baumannii | Streptococcus\_parasanguinis | 11.2% |  |  |
| CR1 | BALF |  | Enterococcus\_faecium | 85.0% | Enterococcus\_faecium | Pseudomonas\_aeruginosa |
| CR1 | BALF |  | Pseudomonas\_aeruginosa | 5.6% | Enterococcus\_faecium | Pseudomonas\_aeruginosa |
| CR1 | BALF |  | Staphylococcus\_haemolyticus | 4.7% | Enterococcus\_faecium | Pseudomonas\_aeruginosa |
| CR4 | BALF | Klebsiella\_pneumoniae | Corynebacterium\_striatum | 59.8% | Corynebacterium\_striatum;Klebsiella\_pneumoniae |  |
| CR4 | BALF | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 29.5% | Corynebacterium\_striatum;Klebsiella\_pneumoniae |  |
| CR4 | BALF | Klebsiella\_pneumoniae | Veillonella\_parvula | 5.9% | Corynebacterium\_striatum;Klebsiella\_pneumoniae |  |
| CS2 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 97.8% | Pseudomonas\_aeruginosa |  |
| CS8 | BALF | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 75.2% |  | Pseudomonas\_aeruginosa |
| CS13 | Sputum |  | Haemophilus\_influenzae | 20.8% | Haemophilus\_influenzae | Pseudomonas\_aeruginosa |
| CS14 | Sputum |  | Prevotella\_denticola | 53.8% |  | Pseudomonas\_aeruginosa |
| CT6 | BALF |  | Actinomyces\_pacaensis | 12.2% |  |  |
| CT6 | BALF |  | Lactobacillus\_reuteri | 14.6% |  |  |
| CT6 | BALF |  | Staphylococcus\_epidermidis | 19.5% |  |  |
| CT6 | BALF |  | Staphylococcus\_haemolyticus | 14.6% |  |  |
| CU11\_lxx | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 99.3% | Pseudomonas\_aeruginosa |  |
| CV12\_lxx | Sputum | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 59.0% | Corynebacterium\_striatum;Acinetobacter\_baumannii |  |
| CV12\_lxx | Sputum | Acinetobacter\_baumannii | Corynebacterium\_striatum | 31.7% | Corynebacterium\_striatum;Acinetobacter\_baumannii |  |
| CV12\_lxx | Sputum | Acinetobacter\_baumannii | Streptococcus\_oralis | 4.3% | Corynebacterium\_striatum;Acinetobacter\_baumannii |  |
| CU5 | BALF |  | Mycoplasma\_hominis | 29.4% | Pseudomonas\_aeruginosa |  |
| CU5 | BALF |  | Pseudomonas\_aeruginosa | 58.8% | Pseudomonas\_aeruginosa |  |
| CU6 | BALF |  | Pseudomonas\_aeruginosa | 61.9% | Pseudomonas\_aeruginosa |  |
| CV3 | BALF | Haemophilus\_influenzae | Haemophilus\_influenzae | 93.2% | Pseudomonas\_aeruginosa;Haemophilus\_influenzae |  |
| CV10 | BALF |  | Pseudomonas\_aeruginosa | 9.5% | Pseudomonas\_aeruginosa | Corynebacterium\_striatum;Acinetobacter\_baumannii |
| CV14 | Sputum |  | Corynebacterium\_striatum | 87.7% | Corynebacterium\_striatum | Acinetobacter\_baumannii |
| CW2 | BALF | Acinetobacter\_baumannii;Escherichia\_coli | Acinetobacter\_baumannii | 97.2% | Acinetobacter\_baumannii | Escherichia\_coli |
| CW2 | BALF | Acinetobacter\_baumannii;Escherichia\_coli | Escherichia\_coli | 2.8% | Acinetobacter\_baumannii | Escherichia\_coli |
| CY4 | BALF | Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii | Stenotrophomonas\_maltophilia | 93.6% | Stenotrophomonas\_maltophilia |  |
| CZ4 | BALF |  | Pseudomonas\_aeruginosa | 30.0% | Pseudomonas\_aeruginosa |  |
| DA3 | BALF | Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa;Achromobacter\_xylosoxidans | Achromobacter\_xylosoxidans | 29.6% | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia;Achromobacter\_xylosoxidans |  |
| DA3 | BALF | Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa;Achromobacter\_xylosoxidans | Pseudomonas\_aeruginosa | 61.4% | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia;Achromobacter\_xylosoxidans |  |
| DC11 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 95.9% | Pseudomonas\_aeruginosa |  |
| DC7 | Sputum |  | Nocardia\_brasiliensis | 22.4% |  | Pseudomonas\_aeruginosa |
| DC7 | Sputum |  | Nocardia\_farcinica | 9.7% |  | Pseudomonas\_aeruginosa |
| DC7 | Sputum |  | Veillonella\_atypica | 9.7% |  | Pseudomonas\_aeruginosa |
| DC7 | Sputum |  | Veillonella\_parvula | 17.2% |  | Pseudomonas\_aeruginosa |
| DC8 | Sputum | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Achromobacter\_xylosoxidans | 20.8% | Achromobacter\_xylosoxidans | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia |
| DC8 | Sputum | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Elizabethkingia\_anophelis | 31.2% | Achromobacter\_xylosoxidans | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia |
| DA10 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Acinetobacter\_baumannii | 91.5% | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii;Burkholderia\_cepacia |  |
| DE3 | BALF |  | Prevotella\_melaninogenica | 10.3% |  | Pseudomonas\_aeruginosa |
| DE3 | BALF |  | Rothia\_mucilaginosa | 8.6% |  | Pseudomonas\_aeruginosa |
| DE5 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 84.6% | Pseudomonas\_aeruginosa |  |
| DE5 | Sputum | Pseudomonas\_aeruginosa | Streptococcus\_anginosus | 5.0% | Pseudomonas\_aeruginosa |  |
| DE6 | Sputum | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 96.4% | Pseudomonas\_aeruginosa | Acinetobacter\_baumannii |
| DD2 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 68.5% | Pseudomonas\_aeruginosa | Klebsiella\_pneumoniae |
| DD10 | Sputum | Klebsiella\_pneumoniae | Bifidobacterium\_longum | 19.6% |  | Klebsiella\_pneumoniae;Streptococcus\_pneumoniae |
| DD10 | Sputum | Klebsiella\_pneumoniae | Streptococcus\_parasanguinis | 20.8% |  | Klebsiella\_pneumoniae;Streptococcus\_pneumoniae |
| DD12 | Sputum |  | Enterococcus\_faecium | 6.4% | Enterococcus\_faecium |  |
| DD12 | Sputum |  | Rothia\_mucilaginosa | 70.8% | Enterococcus\_faecium |  |
| DD12 | Sputum |  | Staphylococcus\_epidermidis | 21.3% | Enterococcus\_faecium |  |
| DF9 | BALF | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 99.2% | Klebsiella\_pneumoniae |  |
| DJ14 | Sputum |  | Haemophilus\_parainfluenzae | 8.1% |  |  |
| DJ14 | Sputum |  | Neisseria\_meningitidis | 29.7% |  |  |
| DJ14 | Sputum |  | Parvimonas\_micra | 28.8% |  |  |
| DK4 | BALF | Achromobacter\_xylosoxidans | Achromobacter\_xylosoxidans | 52.9% | Achromobacter\_xylosoxidans | Pseudomonas\_aeruginosa |
| DK6 | BALF |  | Streptococcus\_pneumoniae | 80.0% | Pseudomonas\_aeruginosa;Streptococcus\_pneumoniae |  |
| DK15 | BALF |  | Corynebacterium\_striatum | 3.8% |  | Corynebacterium\_striatum |
| DK15 | BALF |  | Staphylococcus\_epidermidis | 58.7% |  | Corynebacterium\_striatum |
| DK16 | BALF |  | Pseudomonas\_aeruginosa | 71.4% |  | Pseudomonas\_aeruginosa |
| DI8 | Sputum |  | Achromobacter\_xylosoxidans | 17.1% | Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Stenotrophomonas\_maltophilia;Achromobacter\_xylosoxidans |  |
| DI8 | Sputum |  | Corynebacterium\_striatum | 49.6% | Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Stenotrophomonas\_maltophilia;Achromobacter\_xylosoxidans |  |
| DI8 | Sputum |  | Pseudomonas\_aeruginosa | 20.0% | Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Stenotrophomonas\_maltophilia;Achromobacter\_xylosoxidans |  |
| DJ8 | Sputum |  | Prevotella\_melaninogenica | 19.3% |  |  |
| DJ8 | Sputum |  | Streptococcus\_parasanguinis | 38.0% |  |  |
| DJ8 | Sputum |  | Veillonella\_parvula | 7.6% |  |  |
| DG6 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 99.0% | Pseudomonas\_aeruginosa |  |
| DH8 | Sputum | Acinetobacter\_baumannii;Enterobacter\_cloacae | Acinetobacter\_baumannii | 7.1% |  | Acinetobacter\_baumannii;Achromobacter\_xylosoxidans |
| DH8 | Sputum | Acinetobacter\_baumannii;Enterobacter\_cloacae | Pseudopropionibacterium\_propionicum | 18.6% |  | Acinetobacter\_baumannii;Achromobacter\_xylosoxidans |
| DI4 | BALF |  | Moraxella\_catarrhalis | 24.0% | Pseudomonas\_aeruginosa;Moraxella\_catarrhalis |  |
| DI4 | BALF |  | Rothia\_mucilaginosa | 8.4% | Pseudomonas\_aeruginosa;Moraxella\_catarrhalis |  |
| DI4 | BALF |  | Veillonella\_parvula | 10.2% | Pseudomonas\_aeruginosa;Moraxella\_catarrhalis |  |
| DK111 | Sputum | Streptococcus\_pneumoniae | Corynebacterium\_argentoratense | 24.2% | Streptococcus\_pneumoniae |  |
| DK111 | Sputum | Streptococcus\_pneumoniae | Streptococcus\_mitis | 20.0% | Streptococcus\_pneumoniae |  |
| DK111 | Sputum | Streptococcus\_pneumoniae | Streptococcus\_pneumoniae | 12.3% | Streptococcus\_pneumoniae |  |
| DL13 | Sputum |  | Corynebacterium\_striatum | 12.4% | Corynebacterium\_striatum;Enterococcus\_faecalis | Acinetobacter\_baumannii |
| DL13 | Sputum |  | Enterococcus\_faecalis | 10.0% | Corynebacterium\_striatum;Enterococcus\_faecalis | Acinetobacter\_baumannii |
| DL13 | Sputum |  | Rothia\_mucilaginosa | 71.9% | Corynebacterium\_striatum;Enterococcus\_faecalis | Acinetobacter\_baumannii |
| DL16 | Sputum |  | Prevotella\_intermedia | 19.2% |  | Streptococcus\_pneumoniae;Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |
| DL16 | Sputum |  | Pseudomonas\_aeruginosa | 2.3% |  | Streptococcus\_pneumoniae;Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |
| DL16 | Sputum |  | Rothia\_mucilaginosa | 13.1% |  | Streptococcus\_pneumoniae;Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |
| DM1 | BALF | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Acinetobacter\_baumannii | 63.7% | Corynebacterium\_striatum;Klebsiella\_pneumoniae;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |  |
| DM1 | BALF | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Pseudomonas\_aeruginosa | 23.0% | Corynebacterium\_striatum;Klebsiella\_pneumoniae;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |  |
| DM5 | Sputum | Klebsiella\_pneumoniae | Haemophilus\_parainfluenzae | 4.4% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii |
| DM5 | Sputum | Klebsiella\_pneumoniae | Pseudomonas\_aeruginosa | 83.0% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii |
| DM9 | Sputum |  | Haemophilus\_influenzae | 37.5% | Haemophilus\_influenzae | Acinetobacter\_baumannii |
| DM9 | Sputum |  | Streptococcus\_oralis | 12.5% | Haemophilus\_influenzae | Acinetobacter\_baumannii |
| DN7 | BALF |  | Pseudomonas\_aeruginosa | 44.0% |  | Corynebacterium\_striatum;Staphylococcus\_aureus;Pseudomonas\_aeruginosa |
| DN10 | Sputum | Klebsiella\_pneumoniae | Moraxella\_catarrhalis | 88.8% | Moraxella\_catarrhalis |  |
| DN10 | Sputum | Klebsiella\_pneumoniae | Rothia\_mucilaginosa | 1.2% | Moraxella\_catarrhalis |  |
| DN11 | Sputum | Staphylococcus\_aureus;Acinetobacter\_baumannii | Corynebacterium\_striatum | 46.9% | Corynebacterium\_striatum;Staphylococcus\_aureus |  |
| DN11 | Sputum | Staphylococcus\_aureus;Acinetobacter\_baumannii | Prevotella\_melaninogenica | 2.3% | Corynebacterium\_striatum;Staphylococcus\_aureus |  |
| DN11 | Sputum | Staphylococcus\_aureus;Acinetobacter\_baumannii | Staphylococcus\_aureus | 43.7% | Corynebacterium\_striatum;Staphylococcus\_aureus |  |
| DO9 | Sputum | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 99.0% | Acinetobacter\_baumannii |  |
| DO10 | Sputum |  | Bacteroides\_zoogleoformans | 8.9% |  |  |
| DO10 | Sputum |  | Parvimonas\_micra | 6.2% |  |  |
| DO10 | Sputum |  | Prevotella\_intermedia | 69.3% |  |  |
| DT2 | BALF | Corynebacterium\_striatum | Corynebacterium\_striatum | 79.8% | Corynebacterium\_striatum | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |
| DU10 | Sputum |  | Prevotella\_melaninogenica | 24.0% |  | Corynebacterium\_striatum;Haemophilus\_influenzae;Streptococcus\_pneumoniae |
| DU10 | Sputum |  | Streptococcus\_mitis | 10.6% |  | Corynebacterium\_striatum;Haemophilus\_influenzae;Streptococcus\_pneumoniae |
| DU10 | Sputum |  | Veillonella\_parvula | 13.8% |  | Corynebacterium\_striatum;Haemophilus\_influenzae;Streptococcus\_pneumoniae |
| DV1 | BALF | Haemophilus\_influenzae | Haemophilus\_influenzae | 88.4% |  |  |
| DV1 | BALF | Haemophilus\_influenzae | Mycobacterium\_intracellulare | 8.1% |  |  |
| DV2 | BALF |  | Olsenella\_uli | 8.0% |  | Corynebacterium\_striatum;Pseudomonas\_aeruginosa |
| DV2 | BALF |  | Parvimonas\_micra | 62.1% |  | Corynebacterium\_striatum;Pseudomonas\_aeruginosa |
| DV2 | BALF |  | Prevotella\_intermedia | 10.3% |  | Corynebacterium\_striatum;Pseudomonas\_aeruginosa |
| DW9 | BALF | Escherichia\_coli | Escherichia\_coli | 100.0% |  |  |
| DX6 | BALF | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 97.9% |  | Pseudomonas\_aeruginosa |
| DX11 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 96.3% |  |  |
| DX11 | BALF | Pseudomonas\_aeruginosa | Streptococcus\_oralis | 1.6% |  |  |
| DX12 | BALF | Acinetobacter\_baumannii;Burkholderia\_cepacia | Acinetobacter\_baumannii | 4.8% |  |  |
| DX12 | BALF | Acinetobacter\_baumannii;Burkholderia\_cepacia | Burkholderia\_cepacia | 93.9% |  |  |
| EA4 | BALF |  | Pseudomonas\_aeruginosa | 50.0% |  | Corynebacterium\_striatum;Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa |
| EB2 | BALF |  | Moraxella\_catarrhalis | 97.0% | Moraxella\_catarrhalis | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa |
| EB10 | Sputum | Corynebacterium\_striatum | Corynebacterium\_striatum | 86.8% |  |  |
| EB10 | Sputum | Corynebacterium\_striatum | Streptococcus\_oralis | 6.3% |  |  |
| EC5 | BALF |  | Haemophilus\_influenzae | 80.6% | Haemophilus\_influenzae;Pseudomonas\_aeruginosa |  |
| EE1 | BALF | Burkholderia\_cepacia | Burkholderia\_cepacia | 92.5% |  | Pseudomonas\_aeruginosa |
| EE3 | BALF |  | Prevotella\_melaninogenica | 10.4% |  | Pseudomonas\_aeruginosa |
| EE3 | BALF |  | Rothia\_mucilaginosa | 26.4% |  | Pseudomonas\_aeruginosa |
| EE3 | BALF |  | Streptococcus\_parasanguinis | 11.8% |  | Pseudomonas\_aeruginosa |
| EE4 | BALF |  | Parvimonas\_micra | 20.3% |  | Acinetobacter\_baumannii |
| EE4 | BALF |  | Tannerella\_forsythia | 50.8% |  | Acinetobacter\_baumannii |
| EH6 | BALF | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 98.6% |  |  |
| EK1 | BALF | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii | 99.3% | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |  |
| EK8 | Sputum | Pseudomonas\_aeruginosa | Prevotella\_melaninogenica | 9.7% |  |  |
| EK8 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 23.2% |  |  |
| EK2 | BALF | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 37.9% | Acinetobacter\_baumannii | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia |
| EL6 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Acinetobacter\_baumannii | 98.1% |  |  |
| EL6 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Pseudomonas\_aeruginosa | 1.9% |  |  |
| EL18 | Sputum |  | Corynebacterium\_argentoratense | 15.5% |  | Acinetobacter\_baumannii;Streptococcus\_pneumoniae |
| EL18 | Sputum |  | Rothia\_mucilaginosa | 28.0% |  | Acinetobacter\_baumannii;Streptococcus\_pneumoniae |
| EL18 | Sputum |  | Streptococcus\_parasanguinis | 12.5% |  | Acinetobacter\_baumannii;Streptococcus\_pneumoniae |
| EM5 | BALF |  | Streptococcus\_pneumoniae | 58.3% | Streptococcus\_pneumoniae | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |
| EO3 | Sputum |  | Corynebacterium\_resistens | 18.3% |  | Stenotrophomonas\_maltophilia;Enterococcus\_faecium |
| EO3 | Sputum |  | Enterococcus\_faecium | 21.3% |  | Stenotrophomonas\_maltophilia;Enterococcus\_faecium |
| EO3 | Sputum |  | Staphylococcus\_haemolyticus | 23.0% |  | Stenotrophomonas\_maltophilia;Enterococcus\_faecium |
| EO3 | Sputum |  | Stenotrophomonas\_maltophilia | 25.3% |  | Stenotrophomonas\_maltophilia;Enterococcus\_faecium |
| ET3 | BALF |  | Fusobacterium\_periodonticum | 6.0% |  |  |
| ET3 | BALF |  | Nocardia\_brasiliensis | 23.8% |  |  |
| ET4 | BALF | Klebsiella\_oxytoca;Leclercia\_adecarboxylata | Klebsiella\_oxytoca | 24.3% |  | Pseudomonas\_aeruginosa |
| ET4 | BALF | Klebsiella\_oxytoca;Leclercia\_adecarboxylata | Staphylococcus\_epidermidis | 13.6% |  | Pseudomonas\_aeruginosa |
| ET4 | BALF | Klebsiella\_oxytoca;Leclercia\_adecarboxylata | Staphylococcus\_haemolyticus | 49.6% |  | Pseudomonas\_aeruginosa |
| EU7 | Sputum | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 65.8% |  | Corynebacterium\_striatum |
| EU7 | Sputum | Acinetobacter\_baumannii | Corynebacterium\_striatum | 28.1% |  | Corynebacterium\_striatum |
| EU7 | Sputum | Acinetobacter\_baumannii | Streptococcus\_constellatus | 2.9% |  | Corynebacterium\_striatum |
| EV1 | BALF | Pseudomonas\_aeruginosa;Enterobacter\_aerogenes | Enterobacter\_aerogenes | 56.1% | Enterobacter\_aerogenes;Enterococcus\_faecalis | Pseudomonas\_aeruginosa |
| EV1 | BALF | Pseudomonas\_aeruginosa;Enterobacter\_aerogenes | Enterococcus\_faecalis | 37.6% | Enterobacter\_aerogenes;Enterococcus\_faecalis | Pseudomonas\_aeruginosa |
| EV1 | BALF | Pseudomonas\_aeruginosa;Enterobacter\_aerogenes | Weissella\_cibaria | 1.7% | Enterobacter\_aerogenes;Enterococcus\_faecalis | Pseudomonas\_aeruginosa |
| EX1 | BALF | Klebsiella\_pneumoniae | Enterococcus\_faecium | 63.3% |  | Pseudomonas\_aeruginosa;Enterococcus\_faecium |
| EX1 | BALF | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 2.0% |  | Pseudomonas\_aeruginosa;Enterococcus\_faecium |
| EX1 | BALF | Klebsiella\_pneumoniae | Pseudomonas\_aeruginosa | 2.0% |  | Pseudomonas\_aeruginosa;Enterococcus\_faecium |
| EX1 | BALF | Klebsiella\_pneumoniae | Streptococcus\_oralis | 14.0% |  | Pseudomonas\_aeruginosa;Enterococcus\_faecium |
| EX6 | Sputum | Pseudomonas\_aeruginosa | Prevotella\_jejuni | 10.1% |  |  |
| EX6 | Sputum | Pseudomonas\_aeruginosa | Prevotella\_melaninogenica | 13.0% |  |  |
| EX6 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 24.6% |  |  |
| EX6 | Sputum | Pseudomonas\_aeruginosa | Veillonella\_atypica | 17.4% |  |  |
| EY2 | BALF | Burkholderia\_cepacia | Burkholderia\_cepacia | 93.8% |  |  |
| FB01 | BALF |  | Porphyromonas\_gingivalis | 16.5% |  |  |
| FB01 | BALF |  | Tannerella\_forsythia | 76.3% |  |  |
| FB01 | BALF |  | Treponema\_denticola | 4.0% |  |  |
| FD2 | BALF |  | Prevotella\_melaninogenica | 12.8% |  | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia |
| FD2 | BALF |  | Pseudomonas\_aeruginosa | 14.9% |  | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia |
| FE3 | BALF | Pseudomonas\_aeruginosa | Elizabethkingia\_anophelis | 96.4% |  | Pseudomonas\_aeruginosa |
| FE3 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 1.2% |  | Pseudomonas\_aeruginosa |
| FF2 | BALF |  | Corynebacterium\_striatum | 11.1% |  | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia;Corynebacterium\_striatum |
| FF03 | BALF | Pseudomonas\_aeruginosa;Klebsiella\_pneumoniae;Escherichia\_coli | Escherichia\_coli | 3.1% |  |  |
| FF03 | BALF | Pseudomonas\_aeruginosa;Klebsiella\_pneumoniae;Escherichia\_coli | Pseudomonas\_aeruginosa | 94.4% |  |  |
| FF04 | BALF | Acinetobacter\_baumannii;Burkholderia\_multivorans | Acinetobacter\_baumannii | 9.4% |  |  |
| FF04 | BALF | Acinetobacter\_baumannii;Burkholderia\_multivorans | Burkholderia\_multivorans | 87.7% |  |  |
| FF8 | BALF |  | Moraxella\_catarrhalis | 12.5% | Moraxella\_catarrhalis | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia;Burkholderia\_multivorans |
| Study ID | Sample type | Culture Results | Meta-IDs | Abundance | qPCR or Sanger Verified Species | qPCR or Sanger Refuted Species |
| L2 | Sputum |  | Veillonella\_parvula | 26.2% |  | Streptococcus\_pneumoniae;Enterococcus\_faecalis;Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa |
| L10 | Sputum |  | Rothia\_mucilaginosa | 15.9% | Pseudomonas\_aeruginosa | Enterococcus\_faecalis;Enterococcus\_faecium;Haemophilus\_influenzae;Corynebacterium\_striatum;Staphylococcus\_aureus;Streptococcus\_pneumoniae |
| L10 | Sputum |  | Streptococcus\_mitis | 8.4% | Pseudomonas\_aeruginosa | Enterococcus\_faecalis;Enterococcus\_faecium;Haemophilus\_influenzae;Corynebacterium\_striatum;Staphylococcus\_aureus;Streptococcus\_pneumoniae |
| L22 | BALF |  | Pseudomonas\_aeruginosa | 68.8% | Pseudomonas\_aeruginosa |  |
| L24 | BALF | Haemophilus\_influenzae | Haemophilus\_influenzae | 89.1% | Haemophilus\_influenzae |  |
| M3 | BALF | Acinetobacter\_baumannii;Klebsiella\_pneumoniae | Acinetobacter\_baumannii | 96.9% | Klebsiella\_pneumoniae;Enterococcus\_faecium;Corynebacterium\_striatum;Acinetobacter\_baumannii | Acinetobacter\_pittii;Pseudomonas\_aeruginosa;Escherichia\_coli |
| M3 | BALF | Acinetobacter\_baumannii;Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 2.6% | Klebsiella\_pneumoniae;Enterococcus\_faecium;Corynebacterium\_striatum;Acinetobacter\_baumannii | Acinetobacter\_pittii;Pseudomonas\_aeruginosa;Escherichia\_coli |
| M7 | BALF |  | Pseudomonas\_aeruginosa | 50.0% |  | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |
| M8 | BALF |  | Pseudomonas\_aeruginosa | 63.0% | Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Enterococcus\_faecium |
| M9 | BALF | Enterobacter\_cloacae | Bacteroides\_cellulosilyticus | 5.9% | Enterococcus\_faecium;Corynebacterium\_striatum;Escherichia\_coli;Streptococcus\_pneumoniae | Klebsiella\_pneumoniae;Acinetobacter\_baumannii;Staphylococcus\_aureus;Pseudomonas\_aeruginosa;Enterococcus\_faecalis;Enterobacter\_aerogenes;Klebsiella\_oxytoca |
| M9 | BALF | Enterobacter\_cloacae | Corynebacterium\_striatum | 4.4% | Enterococcus\_faecium;Corynebacterium\_striatum;Escherichia\_coli;Streptococcus\_pneumoniae | Klebsiella\_pneumoniae;Acinetobacter\_baumannii;Staphylococcus\_aureus;Pseudomonas\_aeruginosa;Enterococcus\_faecalis;Enterobacter\_aerogenes;Klebsiella\_oxytoca |
| M9 | BALF | Enterobacter\_cloacae | Enterococcus\_faecium | 70.2% | Enterococcus\_faecium;Corynebacterium\_striatum;Escherichia\_coli;Streptococcus\_pneumoniae | Klebsiella\_pneumoniae;Acinetobacter\_baumannii;Staphylococcus\_aureus;Pseudomonas\_aeruginosa;Enterococcus\_faecalis;Enterobacter\_aerogenes;Klebsiella\_oxytoca |
| N1 | BALF | Streptococcus\_pneumoniae | Rothia\_mucilaginosa | 21.5% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecium;Enterococcus\_faecalis;Acinetobacter\_baumannii |
| N1 | BALF | Streptococcus\_pneumoniae | Streptococcus\_pneumoniae | 10.8% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecium;Enterococcus\_faecalis;Acinetobacter\_baumannii |
| N8 | BALF | Escherichia\_coli | Pseudomonas\_aeruginosa | 68.2% |  | Pseudomonas\_aeruginosa;Escherichia\_coli |
| O3 | BALF | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 71.2% | Enterococcus\_faecium | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |
| O3 | BALF | Acinetobacter\_baumannii | Enterococcus\_faecium | 16.2% | Enterococcus\_faecium | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |
| O5 | Sputum | Pseudomonas\_aeruginosa | Corynebacterium\_striatum | 11.9% | Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia |  |
| O5 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 39.1% | Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia |  |
| O5 | Sputum | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia | 13.6% | Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia |  |
| O6 | Sputum | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 11.9% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa |  |
| O6 | Sputum | Klebsiella\_pneumoniae | Pseudomonas\_aeruginosa | 8.3% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa |  |
| O6 | Sputum | Klebsiella\_pneumoniae | Rhodococcus\_qingshengii | 10.1% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa |  |
| O7 | Sputum | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia | Burkholderia\_cepacia | 14.9% | Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia;Burkholderia\_cepacia |  |
| O7 | Sputum | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia | Corynebacterium\_striatum | 31.8% | Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia;Burkholderia\_cepacia |  |
| O7 | Sputum | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia | Pseudomonas\_aeruginosa | 29.4% | Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia;Burkholderia\_cepacia |  |
| O7 | Sputum | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia | Stenotrophomonas\_maltophilia | 12.4% | Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia;Burkholderia\_cepacia |  |
| O8 | Sputum |  | Rhodococcus\_qingshengii | 11.4% | Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Acinetobacter\_baumannii |
| O8 | Sputum |  | Streptococcus\_mitis | 25.0% | Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Acinetobacter\_baumannii |
| P2 | BALF | Pseudomonas\_aeruginosa | Parvimonas\_micra | 15.9% | Enterococcus\_faecium | Acinetobacter\_baumannii;Klebsiella\_pneumoniae;Streptococcus\_pneumoniae |
| P2 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 24.3% | Enterococcus\_faecium | Acinetobacter\_baumannii;Klebsiella\_pneumoniae;Streptococcus\_pneumoniae |
| P2 | BALF | Pseudomonas\_aeruginosa | Streptococcus\_mitis | 26.2% | Enterococcus\_faecium | Acinetobacter\_baumannii;Klebsiella\_pneumoniae;Streptococcus\_pneumoniae |
| P2 | BALF | Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae | 5.6% | Enterococcus\_faecium | Acinetobacter\_baumannii;Klebsiella\_pneumoniae;Streptococcus\_pneumoniae |
| P5 | BALF |  | Corynebacterium\_striatum | 23.1% | Enterococcus\_faecium | Klebsiella\_pneumoniae;Acinetobacter\_pittii;Corynebacterium\_striatum;Pseudomonas\_aeruginosa |
| P5 | BALF |  | Enterococcus\_faecium | 12.8% | Enterococcus\_faecium | Klebsiella\_pneumoniae;Acinetobacter\_pittii;Corynebacterium\_striatum;Pseudomonas\_aeruginosa |
| P7 | BALF | Klebsiella\_pneumoniae;Acinetobacter\_baumannii | Acinetobacter\_baumannii | 85.0% | Klebsiella\_pneumoniae;Corynebacterium\_striatum | Acinetobacter\_pittii;Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa;Achromobacter\_xylosoxidans;Escherichia\_coli;Streptococcus\_pneumoniae |
| P7 | BALF | Klebsiella\_pneumoniae;Acinetobacter\_baumannii | Klebsiella\_pneumoniae | 14.0% | Klebsiella\_pneumoniae;Corynebacterium\_striatum | Acinetobacter\_pittii;Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa;Achromobacter\_xylosoxidans;Escherichia\_coli;Streptococcus\_pneumoniae |
| P8 | Sputum |  | Prevotella\_jejuni | 10.9% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Enterococcus\_faecalis;Stenotrophomonas\_maltophilia;Corynebacterium\_striatum;Enterococcus\_faecium;Staphylococcus\_aureus;Acinetobacter\_baumannii |
| P8 | Sputum |  | Streptococcus\_parasanguinis | 31.6% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Enterococcus\_faecalis;Stenotrophomonas\_maltophilia;Corynebacterium\_striatum;Enterococcus\_faecium;Staphylococcus\_aureus;Acinetobacter\_baumannii |
| P8 | Sputum |  | Veillonella\_atypica | 24.6% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Enterococcus\_faecalis;Stenotrophomonas\_maltophilia;Corynebacterium\_striatum;Enterococcus\_faecium;Staphylococcus\_aureus;Acinetobacter\_baumannii |
| P9 | Sputum |  | Bacteroides\_heparinolyticus | 28.6% |  | Klebsiella\_pneumoniae;Streptococcus\_pneumoniae |
| P9 | Sputum |  | Porphyromonas\_gingivalis | 57.6% |  | Klebsiella\_pneumoniae;Streptococcus\_pneumoniae |
| P9 | Sputum |  | Prevotella\_intermedia | 3.5% |  | Klebsiella\_pneumoniae;Streptococcus\_pneumoniae |
| P10 | Sputum |  | Pseudomonas\_aeruginosa | 27.2% |  | Klebsiella\_pneumoniae;Staphylococcus\_aureus;Enterococcus\_faecalis;Enterococcus\_faecium;Haemophilus\_influenzae;Stenotrophomonas\_maltophilia |
| P10 | Sputum |  | Veillonella\_parvula | 17.7% |  | Klebsiella\_pneumoniae;Staphylococcus\_aureus;Enterococcus\_faecalis;Enterococcus\_faecium;Haemophilus\_influenzae;Stenotrophomonas\_maltophilia |
| Q5 | Sputum |  | Lactobacillus\_paracasei | 20.0% | Pseudomonas\_aeruginosa | Moraxella\_catarrhalis;Streptococcus\_pneumoniae;Corynebacterium\_striatum |
| Q5 | Sputum |  | Pseudomonas\_aeruginosa | 5.2% | Pseudomonas\_aeruginosa | Moraxella\_catarrhalis;Streptococcus\_pneumoniae;Corynebacterium\_striatum |
| Q5 | Sputum |  | Rothia\_mucilaginosa | 33.0% | Pseudomonas\_aeruginosa | Moraxella\_catarrhalis;Streptococcus\_pneumoniae;Corynebacterium\_striatum |
| Q9 | Sputum |  | Streptococcus\_mitis | 56.1% |  | Enterococcus\_faecalis;Streptococcus\_pneumoniae;Klebsiella\_pneumoniae;Staphylococcus\_aureus;Stenotrophomonas\_maltophilia;Moraxella\_catarrhalis |
| Q9 | Sputum |  | Streptococcus\_pneumoniae | 11.3% |  | Enterococcus\_faecalis;Streptococcus\_pneumoniae;Klebsiella\_pneumoniae;Staphylococcus\_aureus;Stenotrophomonas\_maltophilia;Moraxella\_catarrhalis |
| R5 | Sputum |  | Corynebacterium\_striatum | 17.4% | Staphylococcus\_aureus;Enterococcus\_faecium;Corynebacterium\_striatum | Streptococcus\_pneumoniae;Enterococcus\_faecalis;Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa; |
| R5 | Sputum |  | Staphylococcus\_aureus | 4.5% | Staphylococcus\_aureus;Enterococcus\_faecium;Corynebacterium\_striatum | Streptococcus\_pneumoniae;Enterococcus\_faecalis;Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa; |
| R5 | Sputum |  | Streptococcus\_oralis | 15.2% | Staphylococcus\_aureus;Enterococcus\_faecium;Corynebacterium\_striatum | Streptococcus\_pneumoniae;Enterococcus\_faecalis;Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa; |
| R6 | Sputum |  | Enterococcus\_faecium | 3.1% | Enterococcus\_faecium | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |
| R6 | Sputum |  | Lactobacillus\_pentosus | 14.2% | Enterococcus\_faecium | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |
| R6 | Sputum |  | Rothia\_mucilaginosa | 27.2% | Enterococcus\_faecium | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |
| R6 | Sputum |  | Streptococcus\_pneumoniae | 1.7% | Enterococcus\_faecium | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |
| R6 | Sputum |  | Veillonella\_parvula | 14.0% | Enterococcus\_faecium | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |
| S2 | BALF |  | Veillonella\_parvula | 11.6% |  | Stenotrophomonas\_maltophilia;Haemophilus\_influenzae;Pseudomonas\_aeruginosa;Corynebacterium\_striatum |
| S3 | Sputum |  | Fusobacterium\_necrophorum | 13.2% |  |  |
| S3 | Sputum |  | Fusobacterium\_nucleatum | 26.3% |  |  |
| S3 | Sputum |  | Parvimonas\_micra | 30.9% |  |  |
| S4 | Sputum |  | Rothia\_mucilaginosa | 67.0% |  | Corynebacterium\_striatum;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Enterococcus\_faecalis;Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia |
| S4 | Sputum |  | Veillonella\_parvula | 4.4% |  | Corynebacterium\_striatum;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Enterococcus\_faecalis;Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia |
| S11 | Sputum |  | Haemophilus\_influenzae | 29.4% | Haemophilus\_influenzae;Pseudomonas\_aeruginosa | Corynebacterium\_striatum;Acinetobacter\_baumannii |
| S11 | Sputum |  | Lactobacillus\_rhamnosus | 15.1% | Haemophilus\_influenzae;Pseudomonas\_aeruginosa | Corynebacterium\_striatum;Acinetobacter\_baumannii |
| T3 | BALF |  | Chlamydia\_psittaci | 94.8% |  | Acinetobacter\_pittii;Corynebacterium\_striatum;Acinetobacter\_baumannii |
| T4 | BALF |  | Pseudomonas\_aeruginosa | 64.7% |  | Streptococcus\_pneumoniae;Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa |
| T8 | BALF |  | Streptococcus\_mitis | 10.1% |  | Enterococcus\_faecium;Streptococcus\_pneumoniae;Haemophilus\_influenzae;Enterococcus\_faecalis;Pseudomonas\_aeruginosa;Corynebacterium\_striatum |
| T8 | BALF |  | Streptococcus\_salivarius | 10.5% |  | Enterococcus\_faecium;Streptococcus\_pneumoniae;Haemophilus\_influenzae;Enterococcus\_faecalis;Pseudomonas\_aeruginosa;Corynebacterium\_striatum |
| T8 | BALF |  | Veillonella\_atypica | 8.4% |  | Enterococcus\_faecium;Streptococcus\_pneumoniae;Haemophilus\_influenzae;Enterococcus\_faecalis;Pseudomonas\_aeruginosa;Corynebacterium\_striatum |
| V6 | Sputum | Pseudomonas\_aeruginosa | Corynebacterium\_striatum | 68.1% | Achromobacter\_xylosoxidans;Burkholderia\_cepacia;Stenotrophomonas\_maltophilia;Corynebacterium\_striatum | Haemophilus\_influenzae;Klebsiella\_pneumoniae |
| V6 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 7.1% | Achromobacter\_xylosoxidans;Burkholderia\_cepacia;Stenotrophomonas\_maltophilia;Corynebacterium\_striatum | Haemophilus\_influenzae;Klebsiella\_pneumoniae |
| T10 | BALF | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 99.7% |  |  |
| T16 | Sputum |  | Haemophilus\_influenzae | 56.0% | Haemophilus\_influenzae |  |
| T16 | Sputum |  | Pseudomonas\_aeruginosa | 32.7% | Haemophilus\_influenzae |  |
| T16 | Sputum |  | Rothia\_mucilaginosa | 5.7% | Haemophilus\_influenzae |  |
| W3 | BALF | Staphylococcus\_aureus | Pseudomonas\_aeruginosa | 27.3% | Pseudomonas\_aeruginosa | Corynebacterium\_striatum;Stenotrophomonas\_maltophilia |
| W3 | BALF | Staphylococcus\_aureus | Staphylococcus\_aureus | 26.0% | Pseudomonas\_aeruginosa | Corynebacterium\_striatum;Stenotrophomonas\_maltophilia |
| Y2 | BALF | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 75.8% |  | Klebsiella\_pneumoniae;Escherichia\_coli;Enterobacter\_aerogenes;Klebsiella\_oxytoca |
| Y13 | Sputum |  | Corynebacterium\_striatum | 95.0% | Corynebacterium\_striatum | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia |
| Z1 | BALF |  | Pseudomonas\_aeruginosa | 66.7% |  | Pseudomonas\_aeruginosa |
| Z5 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 95.6% | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia |
| Z7 | BALF |  | Prevotella\_jejuni | 42.7% | Staphylococcus\_aureus;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae |
| Z7 | BALF |  | Rothia\_mucilaginosa | 19.2% | Staphylococcus\_aureus;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae |
| Z7 | BALF |  | Staphylococcus\_aureus | 6.1% | Staphylococcus\_aureus;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae |
| AB3 | BALF | Klebsiella\_pneumoniae | Bacteroides\_fragilis | 48.2% |  | Klebsiella\_pneumoniae;Burkholderia\_cepacia;Acinetobacter\_baumannii |
| AB3 | BALF | Klebsiella\_pneumoniae | Parvimonas\_micra | 12.6% |  | Klebsiella\_pneumoniae;Burkholderia\_cepacia;Acinetobacter\_baumannii |
| AB8 | Sputum |  | Filifactor\_alocis | 4.3% | Streptococcus\_pneumoniae;Haemophilus\_influenzae;Pseudomonas\_aeruginosa | Enterococcus\_faecalis |
| AB8 | Sputum |  | Porphyromonas\_gingivalis | 51.9% | Streptococcus\_pneumoniae;Haemophilus\_influenzae;Pseudomonas\_aeruginosa | Enterococcus\_faecalis |
| AB8 | Sputum |  | Tannerella\_forsythia | 32.2% | Streptococcus\_pneumoniae;Haemophilus\_influenzae;Pseudomonas\_aeruginosa | Enterococcus\_faecalis |
| AC1 | BALF |  | Pseudomonas\_aeruginosa | 84.0% | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia;Achromobacter\_xylosoxidans;Enterococcus\_faecium;Corynebacterium\_striatum |
| AC11 | Sputum | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia | Corynebacterium\_striatum | 20.8% | Stenotrophomonas\_maltophilia;Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Klebsiella\_pneumoniae;Burkholderia\_cepacia | Enterococcus\_faecium;Escherichia\_coli |
| AC11 | Sputum | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia | Pseudomonas\_aeruginosa | 52.3% | Stenotrophomonas\_maltophilia;Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Klebsiella\_pneumoniae;Burkholderia\_cepacia | Enterococcus\_faecium;Escherichia\_coli |
| AC11 | Sputum | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia | Stenotrophomonas\_maltophilia | 14.7% | Stenotrophomonas\_maltophilia;Corynebacterium\_striatum;Achromobacter\_xylosoxidans;Klebsiella\_pneumoniae;Burkholderia\_cepacia | Enterococcus\_faecium;Escherichia\_coli |
| AD6 | Sputum |  | Haemophilus\_influenzae | 64.4% | Haemophilus\_influenzae | Stenotrophomonas\_maltophilia;Corynebacterium\_striatum;Pseudomonas\_aeruginosa;Enterococcus\_faecium |
| AD6 | Sputum |  | Pseudomonas\_aeruginosa | 16.4% | Haemophilus\_influenzae | Stenotrophomonas\_maltophilia;Corynebacterium\_striatum;Pseudomonas\_aeruginosa;Enterococcus\_faecium |
| AD7 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 99.1% |  | Streptococcus\_pneumoniae;Corynebacterium\_striatum;Klebsiella\_pneumoniae;Achromobacter\_xylosoxidans;Enterococcus\_faecalis;Stenotrophomonas\_maltophilia;Burkholderia\_cepacia |
| AD8 | Sputum |  | Rothia\_mucilaginosa | 16.9% | Streptococcus\_pneumoniae | Haemophilus\_influenzae;Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Enterococcus\_faecium;Klebsiella\_pneumoniae;Escherichia\_coli;Stenotrophomonas\_maltophilia;Staphylococcus\_aureus;Acinetobacter\_baumannii;Enterococcus\_faecalis |
| AD8 | Sputum |  | Streptococcus\_pneumoniae | 6.0% | Streptococcus\_pneumoniae | Haemophilus\_influenzae;Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Enterococcus\_faecium;Klebsiella\_pneumoniae;Escherichia\_coli;Stenotrophomonas\_maltophilia;Staphylococcus\_aureus;Acinetobacter\_baumannii;Enterococcus\_faecalis |
| AD8 | Sputum |  | Streptococcus\_pseudopneumoniae | 12.1% | Streptococcus\_pneumoniae | Haemophilus\_influenzae;Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Enterococcus\_faecium;Klebsiella\_pneumoniae;Escherichia\_coli;Stenotrophomonas\_maltophilia;Staphylococcus\_aureus;Acinetobacter\_baumannii;Enterococcus\_faecalis |
| AE2 | BALF |  | Streptococcus\_oralis | 43.0% | Enterococcus\_faecium | Streptococcus\_pneumoniae;Enterococcus\_faecalis |
| AE6 | BALF |  | Pseudomonas\_aeruginosa | 11.1% | Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Haemophilus\_influenzae; |
| AF8 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 88.3% | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia |
| AF17 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 79.6% | Pseudomonas\_aeruginosa |  |
| AG2 | BALF | Streptococcus\_pneumoniae | Streptococcus\_pneumoniae | 98.7% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia;Enterococcus\_faecalis;Enterococcus\_faecium |
| AG6 | Sputum | Acinetobacter\_baumannii | Prevotella\_melaninogenica | 9.1% | Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Acinetobacter\_baumannii;Stenotrophomonas\_maltophilia |
| AG6 | Sputum | Acinetobacter\_baumannii | Rothia\_mucilaginosa | 24.7% | Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Acinetobacter\_baumannii;Stenotrophomonas\_maltophilia |
| AG6 | Sputum | Acinetobacter\_baumannii | Veillonella\_parvula | 19.6% | Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Acinetobacter\_baumannii;Stenotrophomonas\_maltophilia |
| AI5 | BALF |  | Corynebacterium\_striatum | 92.8% | Corynebacterium\_striatum;Pseudomonas\_aeruginosa | Enterococcus\_faecalis |
| AI11 | Sputum |  | Streptococcus\_mitis | 20.7% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecium;Corynebacterium\_striatum |
| AH9 | Sputum | Acinetobacter\_pittii | Acinetobacter\_pittii | 80.4% | Acinetobacter\_pittii;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii |
| AI14 | Sputum | Acinetobacter\_baumannii | Pseudomonas\_aeruginosa | 5.8% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |  |
| AI14 | Sputum | Acinetobacter\_baumannii | Rothia\_mucilaginosa | 65.6% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |  |
| AK2 | BALF |  | Pseudomonas\_aeruginosa | 34.1% | Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Acinetobacter\_pittii |
| AJ10 | Sputum | Acinetobacter\_baumannii;Streptococcus\_pneumoniae | Acinetobacter\_baumannii | 100.0% | Enterococcus\_faecium;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Klebsiella\_pneumoniae;Acinetobacter\_pittii;Escherichia\_coli;Enterobacter\_aerogenes |
| AJ13 | Sputum | Acinetobacter\_nosocomialis | Acinetobacter\_baumannii | 38.5% | Staphylococcus\_aureus;Corynebacterium\_striatum;Pseudomonas\_aeruginosa | Acinetobacter\_pittii;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii |
| AJ13 | Sputum | Acinetobacter\_nosocomialis | Staphylococcus\_aureus | 42.9% | Staphylococcus\_aureus;Corynebacterium\_striatum;Pseudomonas\_aeruginosa | Acinetobacter\_pittii;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii |
| AK6 | Sputum |  | Pseudomonas\_aeruginosa | 100.0% | Pseudomonas\_aeruginosa |  |
| AJ12 | Sputum | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 19.1% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae |
| AJ12 | Sputum | Klebsiella\_pneumoniae | Prevotella\_melaninogenica | 16.9% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae |
| AJ12 | Sputum | Klebsiella\_pneumoniae | Veillonella\_atypica | 18.0% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae |
| AJ12 | Sputum | Klebsiella\_pneumoniae | Veillonella\_parvula | 15.7% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae |
| AM5 | BALF | Pseudomonas\_aeruginosa | Corynebacterium\_striatum | 1.7% | Corynebacterium\_striatum | Burkholderia\_cepacia |
| AM5 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 95.3% | Corynebacterium\_striatum | Burkholderia\_cepacia |
| AL12 | Sputum | Burkholderia\_cepacia | Burkholderia\_cepacia | 99.5% |  |  |
| AN10 | Sputum |  | Filifactor\_alocis | 7.9% | Haemophilus\_influenzae;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Enterococcus\_faecalis;Enterococcus\_faecium;Staphylococcus\_aureus |
| AN10 | Sputum |  | Parvimonas\_micra | 11.4% | Haemophilus\_influenzae;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Enterococcus\_faecalis;Enterococcus\_faecium;Staphylococcus\_aureus |
| AN10 | Sputum |  | Streptococcus\_constellatus | 12.8% | Haemophilus\_influenzae;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Enterococcus\_faecalis;Enterococcus\_faecium;Staphylococcus\_aureus |
| AO3 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Acinetobacter\_baumannii | 21.3% | Corynebacterium\_striatum;Enterococcus\_faecium;Burkholderia\_cepacia | Acinetobacter\_pittii;Enterococcus\_faecalis;Escherichia\_coli;Stenotrophomonas\_maltophilia |
| AO3 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Corynebacterium\_striatum | 18.8% | Corynebacterium\_striatum;Enterococcus\_faecium;Burkholderia\_cepacia | Acinetobacter\_pittii;Enterococcus\_faecalis;Escherichia\_coli;Stenotrophomonas\_maltophilia |
| AO3 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Pseudomonas\_aeruginosa | 58.9% | Corynebacterium\_striatum;Enterococcus\_faecium;Burkholderia\_cepacia | Acinetobacter\_pittii;Enterococcus\_faecalis;Escherichia\_coli;Stenotrophomonas\_maltophilia |
| AO9 | Sputum | Burkholderia\_cepacia | Burkholderia\_cepacia | 99.2% | Pseudomonas\_aeruginosa;Burkholderia\_cepacia | Streptococcus\_pneumoniae;Stenotrophomonas\_maltophilia;Burkholderia\_multivorans |
| AN11 | Sputum |  | Streptococcus\_gordonii | 14.3% | Streptococcus\_pneumoniae | Haemophilus\_influenzae;Enterococcus\_faecalis;Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Enterococcus\_faecium;Staphylococcus\_aureus |
| AN11 | Sputum |  | Streptococcus\_parasanguinis | 9.3% | Streptococcus\_pneumoniae | Haemophilus\_influenzae;Enterococcus\_faecalis;Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Enterococcus\_faecium;Staphylococcus\_aureus |
| AO2 | BALF |  | Pseudomonas\_aeruginosa | 90.0% | Pseudomonas\_aeruginosa | Haemophilus\_influenzae;Burkholderia\_cepacia |
| AN2 | BALF |  | Corynebacterium\_striatum | 56.1% | Corynebacterium\_striatum;Enterococcus\_faecium;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Stenotrophomonas\_maltophilia |
| AN2 | BALF |  | Pseudomonas\_aeruginosa | 29.3% | Corynebacterium\_striatum;Enterococcus\_faecium;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Stenotrophomonas\_maltophilia |
| AM8 | Sputum |  | Moraxella\_catarrhalis | 87.9% | Moraxella\_catarrhalis;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Stenotrophomonas\_maltophilia |
| AM8 | Sputum |  | Rothia\_mucilaginosa | 9.4% | Moraxella\_catarrhalis;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Stenotrophomonas\_maltophilia |
| AR7 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 53.5% | Streptococcus\_pneumoniae | Enterococcus\_faecalis;Staphylococcus\_aureus |
| AR7 | Sputum | Pseudomonas\_aeruginosa | Streptococcus\_mitis | 19.0% | Streptococcus\_pneumoniae | Enterococcus\_faecalis;Staphylococcus\_aureus |
| AR7 | Sputum | Pseudomonas\_aeruginosa | Streptococcus\_parasanguinis | 6.4% | Streptococcus\_pneumoniae | Enterococcus\_faecalis;Staphylococcus\_aureus |
| AR7 | Sputum | Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae | 5.2% | Streptococcus\_pneumoniae | Enterococcus\_faecalis;Staphylococcus\_aureus |
| AR8 | Sputum |  | Rothia\_mucilaginosa | 45.6% |  | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |
| AR8 | Sputum |  | Streptococcus\_mitis | 8.1% |  | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |
| AR12 | Sputum | Klebsiella\_pneumoniae | Acinetobacter\_baumannii | 76.8% | Klebsiella\_pneumoniae;Enterococcus\_faecium;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |  |
| AP3 | BALF |  | Acinetobacter\_baumannii | 20.9% | Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Corynebacterium\_striatum;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii |
| AP3 | BALF |  | Corynebacterium\_striatum | 48.6% | Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Corynebacterium\_striatum;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii |
| AP3 | BALF |  | Pseudomonas\_aeruginosa | 11.5% | Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Corynebacterium\_striatum;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii |
| AP3 | BALF |  | Stenotrophomonas\_maltophilia | 14.2% | Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Corynebacterium\_striatum;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii |
| AP4 | BALF | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 99.0% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii;Corynebacterium\_striatum |
| AR2 | BALF | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii | 18.1% | Corynebacterium\_striatum;Stenotrophomonas\_maltophilia | Klebsiella\_pneumoniae;Achromobacter\_xylosoxidans;Escherichia\_coli;Burkholderia\_cepacia;Enterobacter\_aerogenes;Acinetobacter\_baumannii;Acinetobacter\_pittii |
| AR2 | BALF | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa | Corynebacterium\_striatum | 55.1% | Corynebacterium\_striatum;Stenotrophomonas\_maltophilia | Klebsiella\_pneumoniae;Achromobacter\_xylosoxidans;Escherichia\_coli;Burkholderia\_cepacia;Enterobacter\_aerogenes;Acinetobacter\_baumannii;Acinetobacter\_pittii |
| AR2 | BALF | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 14.3% | Corynebacterium\_striatum;Stenotrophomonas\_maltophilia | Klebsiella\_pneumoniae;Achromobacter\_xylosoxidans;Escherichia\_coli;Burkholderia\_cepacia;Enterobacter\_aerogenes;Acinetobacter\_baumannii;Acinetobacter\_pittii |
| AR2 | BALF | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia | 10.6% | Corynebacterium\_striatum;Stenotrophomonas\_maltophilia | Klebsiella\_pneumoniae;Achromobacter\_xylosoxidans;Escherichia\_coli;Burkholderia\_cepacia;Enterobacter\_aerogenes;Acinetobacter\_baumannii;Acinetobacter\_pittii |
| AR15 | Sputum | Staphylococcus\_aureus | Staphylococcus\_aureus | 99.5% | Staphylococcus\_aureus | Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa |
| AS1 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 99.8% | Pseudomonas\_aeruginosa | Staphylococcus\_aureus |
| AS3 | BALF | Moraxella\_catarrhalis | Moraxella\_catarrhalis | 97.4% | Moraxella\_catarrhalis;Pseudomonas\_aeruginosa | Staphylococcus\_aureus |
| AS7 | BALF | Pseudomonas\_aeruginosa | Haemophilus\_influenzae | 4.5% | Haemophilus\_influenzae;Streptococcus\_pneumoniae | Corynebacterium\_striatum;Enterococcus\_faecalis;Klebsiella\_pneumoniae;Stenotrophomonas\_maltophilia;Staphylococcus\_aureus |
| AS7 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 85.7% | Haemophilus\_influenzae;Streptococcus\_pneumoniae | Corynebacterium\_striatum;Enterococcus\_faecalis;Klebsiella\_pneumoniae;Stenotrophomonas\_maltophilia;Staphylococcus\_aureus |
| AS7 | BALF | Pseudomonas\_aeruginosa | Streptococcus\_anginosus | 2.8% | Haemophilus\_influenzae;Streptococcus\_pneumoniae | Corynebacterium\_striatum;Enterococcus\_faecalis;Klebsiella\_pneumoniae;Stenotrophomonas\_maltophilia;Staphylococcus\_aureus |
| AV2 | BALF | Streptococcus\_pneumoniae | Streptococcus\_pneumoniae | 96.8% | Streptococcus\_pneumoniae | Klebsiella\_pneumoniae |
| AV6 | BALF | Staphylococcus\_aureus | Staphylococcus\_aureus | 91.2% | Staphylococcus\_aureus;Pseudomonas\_aeruginosa | Klebsiella\_pneumoniae;Acinetobacter\_baumannii |
| AS8 | BALF | Enterobacter\_cloacae | Capnocytophaga\_leadbetteri | 5.1% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecalis;Enterococcus\_faecium;Klebsiella\_pneumoniae;Acinetobacter\_baumannii |
| AS8 | BALF | Enterobacter\_cloacae | Enterobacter\_cloacae | 3.2% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecalis;Enterococcus\_faecium;Klebsiella\_pneumoniae;Acinetobacter\_baumannii |
| AS8 | BALF | Enterobacter\_cloacae | Enterococcus\_faecalis | 25.0% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecalis;Enterococcus\_faecium;Klebsiella\_pneumoniae;Acinetobacter\_baumannii |
| AU2 | BALF | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii | 98.3% |  | Acinetobacter\_pittii;Klebsiella\_pneumoniae;Escherichia\_coli;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii |
| AV8 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 28.6% | Achromobacter\_xylosoxidans;Corynebacterium\_striatum | Enterococcus\_faecalis;Klebsiella\_pneumoniae;Escherichia\_coli;Streptococcus\_pneumoniae |
| AV8 | Sputum | Pseudomonas\_aeruginosa | Serratia\_marcescens | 32.1% | Achromobacter\_xylosoxidans;Corynebacterium\_striatum | Enterococcus\_faecalis;Klebsiella\_pneumoniae;Escherichia\_coli;Streptococcus\_pneumoniae |
| AV8 | Sputum | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia | 4.6% | Achromobacter\_xylosoxidans;Corynebacterium\_striatum | Enterococcus\_faecalis;Klebsiella\_pneumoniae;Escherichia\_coli;Streptococcus\_pneumoniae |
| AV8 | Sputum | Pseudomonas\_aeruginosa | Streptococcus\_oralis | 11.8% | Achromobacter\_xylosoxidans;Corynebacterium\_striatum | Enterococcus\_faecalis;Klebsiella\_pneumoniae;Escherichia\_coli;Streptococcus\_pneumoniae |
| AU5 | Sputum |  | Corynebacterium\_striatum | 93.6% | Corynebacterium\_striatum | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia |
| AU6 | Sputum |  | Prevotella\_melaninogenica | 33.3% | Pseudomonas\_aeruginosa | Corynebacterium\_striatum |
| AV5 | BALF |  | Parvimonas\_micra | 84.6% |  | Pseudomonas\_aeruginosa |
| AW9 | Sputum |  | Actinomyces\_pacaensis | 5.2% |  |  |
| AW9 | Sputum |  | Rothia\_mucilaginosa | 64.6% |  |  |
| AX8 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_mendocina | 97.3% |  |  |
| AX12 | Sputum |  | Lactobacillus\_crispatus | 11.0% |  |  |
| AX12 | Sputum |  | Parascardovia\_denticolens | 20.7% |  |  |
| AX12 | Sputum |  | Veillonella\_parvula | 8.7% |  |  |
| AY4 | BALF |  | Enterococcus\_faecium | 29.0% | Enterococcus\_faecium;Pseudomonas\_aeruginosa |  |
| AY4 | BALF |  | Mycoplasma\_pneumoniae | 65.2% | Enterococcus\_faecium;Pseudomonas\_aeruginosa |  |
| AY9 | Sputum |  | Bacteroides\_heparinolyticus | 31.0% |  | Pseudomonas\_aeruginosa |
| AY9 | Sputum |  | Parvimonas\_micra | 48.3% |  | Pseudomonas\_aeruginosa |
| AZ4 | BALF | Enterobacter\_cloacae | Pseudomonas\_aeruginosa | 15.2% |  | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |
| AZ4 | BALF | Enterobacter\_cloacae | Rothia\_mucilaginosa | 47.8% |  | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |
| AY7 | Sputum | Corynebacterium\_striatum | Corynebacterium\_striatum | 21.5% | Enterococcus\_faecium;Corynebacterium\_striatum | Pseudomonas\_aeruginosa;Streptococcus\_pneumoniae;Enterococcus\_faecalis;Acinetobacter\_baumannii |
| AY7 | Sputum | Corynebacterium\_striatum | Rothia\_mucilaginosa | 61.1% | Enterococcus\_faecium;Corynebacterium\_striatum | Pseudomonas\_aeruginosa;Streptococcus\_pneumoniae;Enterococcus\_faecalis;Acinetobacter\_baumannii |
| AX105 | Sputum |  | Streptococcus\_pneumoniae | 64.3% | Streptococcus\_pneumoniae;Haemophilus\_influenzae;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii |
| BA1 | BALF |  | Pseudomonas\_aeruginosa | 88.9% | Pseudomonas\_aeruginosa |  |
| BA6 | BALF |  | Haemophilus\_influenzae | 98.1% | Haemophilus\_influenzae | Acinetobacter\_baumannii |
| BA10 | BALF | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 96.8% | Enterococcus\_faecium;Acinetobacter\_baumannii | Klebsiella\_pneumoniae;Acinetobacter\_pittii;Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Escherichia\_coli;Streptococcus\_pneumoniae;Staphylococcus\_aureus |
| BA10 | BALF | Acinetobacter\_baumannii | Lactobacillus\_mucosae | 1.3% | Enterococcus\_faecium;Acinetobacter\_baumannii | Klebsiella\_pneumoniae;Acinetobacter\_pittii;Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Escherichia\_coli;Streptococcus\_pneumoniae;Staphylococcus\_aureus |
| BA11 | Sputum |  | Mycobacterium\_tuberculosis | 91.4% |  | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |
| BA15 | Sputum |  | Corynebacterium\_simulans | 84.7% |  | Corynebacterium\_striatum;Acinetobacter\_baumannii;Pseudomonas\_aeruginosa;Staphylococcus\_aureus;Streptococcus\_pneumoniae |
| BA15 | Sputum |  | Rothia\_mucilaginosa | 7.8% |  | Corynebacterium\_striatum;Acinetobacter\_baumannii;Pseudomonas\_aeruginosa;Staphylococcus\_aureus;Streptococcus\_pneumoniae |
| BB11 | Sputum | Klebsiella\_pneumoniae;Corynebacterium\_striatum | Acinetobacter\_baumannii | 30.3% | Staphylococcus\_aureus;Corynebacterium\_striatum;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |  |
| BB11 | Sputum | Klebsiella\_pneumoniae;Corynebacterium\_striatum | Corynebacterium\_striatum | 54.8% | Staphylococcus\_aureus;Corynebacterium\_striatum;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |  |
| BB11 | Sputum | Klebsiella\_pneumoniae;Corynebacterium\_striatum | Lactobacillus\_gasseri | 7.2% | Staphylococcus\_aureus;Corynebacterium\_striatum;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |  |
| BB12 | Sputum | Streptococcus\_pneumoniae | Lactobacillus\_rhamnosus | 24.5% | Streptococcus\_pneumoniae |  |
| BB12 | Sputum | Streptococcus\_pneumoniae | Rothia\_dentocariosa | 10.6% | Streptococcus\_pneumoniae |  |
| BB12 | Sputum | Streptococcus\_pneumoniae | Streptococcus\_parasanguinis | 11.0% | Streptococcus\_pneumoniae |  |
| BB12 | Sputum | Streptococcus\_pneumoniae | Streptococcus\_pneumoniae | 12.3% | Streptococcus\_pneumoniae |  |
| BB15 | Sputum |  | Rothia\_mucilaginosa | 19.2% |  | Streptococcus\_pneumoniae;Stenotrophomonas\_maltophilia;Enterococcus\_faecalis;Pseudomonas\_aeruginosa;Corynebacterium\_striatum |
| BB15 | Sputum |  | Streptococcus\_parasanguinis | 16.8% |  | Streptococcus\_pneumoniae;Stenotrophomonas\_maltophilia;Enterococcus\_faecalis;Pseudomonas\_aeruginosa;Corynebacterium\_striatum |
| BB15 | Sputum |  | Veillonella\_parvula | 20.9% |  | Streptococcus\_pneumoniae;Stenotrophomonas\_maltophilia;Enterococcus\_faecalis;Pseudomonas\_aeruginosa;Corynebacterium\_striatum |
| BB16 | Sputum | Moraxella\_catarrhalis | Moraxella\_catarrhalis | 18.4% | Streptococcus\_pneumoniae;Moraxella\_catarrhalis | Enterococcus\_faecalis;Corynebacterium\_striatum;Haemophilus\_influenzae;Staphylococcus\_aureus |
| BB16 | Sputum | Moraxella\_catarrhalis | Streptococcus\_parasanguinis | 20.3% | Streptococcus\_pneumoniae;Moraxella\_catarrhalis | Enterococcus\_faecalis;Corynebacterium\_striatum;Haemophilus\_influenzae;Staphylococcus\_aureus |
| BB16 | Sputum | Moraxella\_catarrhalis | Veillonella\_atypica | 13.0% | Streptococcus\_pneumoniae;Moraxella\_catarrhalis | Enterococcus\_faecalis;Corynebacterium\_striatum;Haemophilus\_influenzae;Staphylococcus\_aureus |
| BC8 | Sputum |  | Enterococcus\_faecalis | 4.7% | Enterococcus\_faecium;Enterococcus\_faecalis;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Staphylococcus\_aureus |
| BC8 | Sputum |  | Streptococcus\_oralis | 45.0% | Enterococcus\_faecium;Enterococcus\_faecalis;Pseudomonas\_aeruginosa | Streptococcus\_pneumoniae;Staphylococcus\_aureus |
| BD5 | BALF | Corynebacterium\_striatum | Corynebacterium\_striatum | 60.0% |  | Corynebacterium\_striatum;Pseudomonas\_aeruginosa |
| BE4 | BALF | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 91.0% | Pseudomonas\_aeruginosa | Achromobacter\_xylosoxidans;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii |
| BE5 | Sputum | Pseudomonas\_aeruginosa;Moraxella\_catarrhalis | Moraxella\_catarrhalis | 27.3% | Moraxella\_catarrhalis | Achromobacter\_xylosoxidans;Streptococcus\_pneumoniae |
| BE5 | Sputum | Pseudomonas\_aeruginosa;Moraxella\_catarrhalis | Pseudomonas\_aeruginosa | 69.1% | Moraxella\_catarrhalis | Achromobacter\_xylosoxidans;Streptococcus\_pneumoniae |
| BE6 | Sputum | Pseudomonas\_aeruginosa | Achromobacter\_xylosoxidans | 85.3% | Achromobacter\_xylosoxidans;Corynebacterium\_striatum | Klebsiella\_pneumoniae;Escherichia\_coli;Streptococcus\_pneumoniae;Moraxella\_catarrhalis;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii;Burkholderia\_cepacia |
| BE6 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 12.3% | Achromobacter\_xylosoxidans;Corynebacterium\_striatum | Klebsiella\_pneumoniae;Escherichia\_coli;Streptococcus\_pneumoniae;Moraxella\_catarrhalis;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii;Burkholderia\_cepacia |
| BE7 | Sputum | Enterobacter\_cloacae | Staphylococcus\_epidermidis | 8.2% | Stenotrophomonas\_maltophilia;Staphylococcus\_aureus | Achromobacter\_xylosoxidans;Corynebacterium\_striatum;Enterococcus\_faecium |
| BE7 | Sputum | Enterobacter\_cloacae | Stenotrophomonas\_maltophilia | 47.8% | Stenotrophomonas\_maltophilia;Staphylococcus\_aureus | Achromobacter\_xylosoxidans;Corynebacterium\_striatum;Enterococcus\_faecium |
| BF5 | Sputum |  | Corynebacterium\_striatum | 48.9% | Haemophilus\_influenzae | Achromobacter\_xylosoxidans;Corynebacterium\_striatum;Enterococcus\_faecium;Stenotrophomonas\_maltophilia |
| BF5 | Sputum |  | Haemophilus\_influenzae | 20.1% | Haemophilus\_influenzae | Achromobacter\_xylosoxidans;Corynebacterium\_striatum;Enterococcus\_faecium;Stenotrophomonas\_maltophilia |
| BF5 | Sputum |  | Parvimonas\_micra | 15.6% | Haemophilus\_influenzae | Achromobacter\_xylosoxidans;Corynebacterium\_striatum;Enterococcus\_faecium;Stenotrophomonas\_maltophilia |
| BF6 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 95.2% |  | Enterococcus\_faecium;Stenotrophomonas\_maltophilia;Achromobacter\_xylosoxidans;Corynebacterium\_striatum |
| BF9 | Sputum | Stenotrophomonas\_maltophilia | Enterococcus\_faecium | 82.2% | Enterococcus\_faecium;Pseudomonas\_aeruginosa | Corynebacterium\_striatum;Enterococcus\_faecalis;Achromobacter\_xylosoxidans;Staphylococcus\_aureus |
| BF9 | Sputum | Stenotrophomonas\_maltophilia | Stenotrophomonas\_maltophilia | 16.9% | Enterococcus\_faecium;Pseudomonas\_aeruginosa | Corynebacterium\_striatum;Enterococcus\_faecalis;Achromobacter\_xylosoxidans;Staphylococcus\_aureus |
| BG2 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 75.3% | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia |
| BG2 | BALF | Pseudomonas\_aeruginosa | Veillonella\_parvula | 2.7% | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia |
| BG5 | BALF | Corynebacterium\_striatum | Corynebacterium\_striatum | 83.7% | Corynebacterium\_striatum;Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia |
| BG5 | BALF | Corynebacterium\_striatum | Pseudomonas\_aeruginosa | 12.2% | Corynebacterium\_striatum;Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia |
| BH2 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 22.9% |  | Streptococcus\_pneumoniae;Corynebacterium\_striatum |
| BH4 | BALF | Burkholderia\_cepacia | Burkholderia\_cepacia | 11.4% | Pseudomonas\_aeruginosa;Burkholderia\_cepacia | Corynebacterium\_striatum |
| BH10 | Sputum | Stenotrophomonas\_maltophilia;Corynebacterium\_striatum | Corynebacterium\_striatum | 86.8% | Stenotrophomonas\_maltophilia;Corynebacterium\_striatum | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Klebsiella\_pneumoniae;Escherichia\_coli |
| BH10 | Sputum | Stenotrophomonas\_maltophilia;Corynebacterium\_striatum | Stenotrophomonas\_maltophilia | 2.9% | Stenotrophomonas\_maltophilia;Corynebacterium\_striatum | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa;Klebsiella\_pneumoniae;Escherichia\_coli |
| BH11 | Sputum |  | Rothia\_mucilaginosa | 30.9% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecalis;Corynebacterium\_striatum;Enterococcus\_faecium;Staphylococcus\_aureus |
| BH11 | Sputum |  | Streptococcus\_mitis | 6.9% | Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecalis;Corynebacterium\_striatum;Enterococcus\_faecium;Staphylococcus\_aureus |
| BH13 | Sputum | Moraxella\_catarrhalis | Moraxella\_catarrhalis | 92.4% | Moraxella\_catarrhalis;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecium;Achromobacter\_xylosoxidans;Haemophilus\_influenzae;Stenotrophomonas\_maltophilia |
| BH13 | Sputum | Moraxella\_catarrhalis | Rothia\_mucilaginosa | 1.7% | Moraxella\_catarrhalis;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa | Enterococcus\_faecium;Achromobacter\_xylosoxidans;Haemophilus\_influenzae;Stenotrophomonas\_maltophilia |
| CB4 | Sputum |  | Porphyromonas\_gingivalis | 26.5% |  |  |
| CB4 | Sputum |  | Rothia\_mucilaginosa | 15.9% |  |  |
| CB4 | Sputum |  | Streptococcus\_parasanguinis | 15.4% |  |  |
| CB4 | Sputum |  | Streptococcus\_salivarius | 14.5% |  |  |
| CC2 | Sputum |  | Enterococcus\_faecium | 65.2% | Enterococcus\_faecium | Pseudomonas\_aeruginosa |
| CC5 | Sputum |  | Pseudomonas\_aeruginosa | 1.3% | Streptococcus\_pneumoniae |  |
| CC5 | Sputum |  | Streptococcus\_mitis | 55.5% | Streptococcus\_pneumoniae |  |
| CC5 | Sputum |  | Streptococcus\_pneumoniae | 10.5% | Streptococcus\_pneumoniae |  |
| CC6 | Sputum | Streptococcus\_pneumoniae | Rothia\_mucilaginosa | 15.4% | Streptococcus\_pneumoniae |  |
| CC6 | Sputum | Streptococcus\_pneumoniae | Streptococcus\_parasanguinis | 18.8% | Streptococcus\_pneumoniae |  |
| CC6 | Sputum | Streptococcus\_pneumoniae | Streptococcus\_pneumoniae | 6.7% | Streptococcus\_pneumoniae |  |
| CC6 | Sputum | Streptococcus\_pneumoniae | Streptococcus\_salivarius | 18.3% | Streptococcus\_pneumoniae |  |
| CF2 | BALF |  | Acinetobacter\_baumannii | 44.7% | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |  |
| CF2 | BALF |  | Pseudomonas\_aeruginosa | 15.8% | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |  |
| CH5 | BALF | Pseudomonas\_aeruginosa;Burkholderia\_cepacia | Acinetobacter\_baumannii | 5.3% | Burkholderia\_cepacia;Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |  |
| CH5 | BALF | Pseudomonas\_aeruginosa;Burkholderia\_cepacia | Pseudomonas\_aeruginosa | 92.5% | Burkholderia\_cepacia;Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |  |
| CI9 | Sputum | Pseudomonas\_aeruginosa;Burkholderia\_cepacia | Burkholderia\_cepacia | 95.5% | Burkholderia\_cepacia;Stenotrophomonas\_maltophilia |  |
| CI9 | Sputum | Pseudomonas\_aeruginosa;Burkholderia\_cepacia | Stenotrophomonas\_maltophilia | 3.3% | Burkholderia\_cepacia;Stenotrophomonas\_maltophilia |  |
| CI11 | Sputum | Staphylococcus\_aureus | Staphylococcus\_aureus | 31.2% | Burkholderia\_cepacia;Staphylococcus\_aureus | Stenotrophomonas\_maltophilia;Streptococcus\_pneumoniae |
| CI11 | Sputum | Staphylococcus\_aureus | Streptococcus\_constellatus | 8.1% | Burkholderia\_cepacia;Staphylococcus\_aureus | Stenotrophomonas\_maltophilia;Streptococcus\_pneumoniae |
| CI12 | Sputum | Klebsiella\_pneumoniae | Corynebacterium\_striatum | 34.2% | Corynebacterium\_striatum | Klebsiella\_pneumoniae |
| CI12 | Sputum | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 3.1% | Corynebacterium\_striatum | Klebsiella\_pneumoniae |
| CI12 | Sputum | Klebsiella\_pneumoniae | Staphylococcus\_epidermidis | 44.2% | Corynebacterium\_striatum | Klebsiella\_pneumoniae |
| CI12 | Sputum | Klebsiella\_pneumoniae | Streptococcus\_oralis | 6.9% | Corynebacterium\_striatum | Klebsiella\_pneumoniae |
| CJ1 | BALF | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 2.4% | Corynebacterium\_striatum;Enterococcus\_faecium;Acinetobacter\_baumannii | Pseudomonas\_aeruginosa |
| CJ1 | BALF | Acinetobacter\_baumannii | Corynebacterium\_striatum | 89.2% | Corynebacterium\_striatum;Enterococcus\_faecium;Acinetobacter\_baumannii | Pseudomonas\_aeruginosa |
| CJ8 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 96.5% | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia |
| CJ8 | Sputum | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia | 1.8% | Pseudomonas\_aeruginosa | Stenotrophomonas\_maltophilia |
| CH3 | BALF |  | Tannerella\_forsythia | 23.6% | Pseudomonas\_aeruginosa |  |
| CH3 | BALF |  | Treponema\_denticola | 30.0% | Pseudomonas\_aeruginosa |  |
| CH9 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 81.2% | Pseudomonas\_aeruginosa |  |
| CH9 | Sputum | Pseudomonas\_aeruginosa | Streptococcus\_oralis | 5.6% | Pseudomonas\_aeruginosa |  |
| CI8 | BALF | Corynebacterium\_striatum | Corynebacterium\_striatum | 6.7% | Corynebacterium\_striatum;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |  |
| CI8 | BALF | Corynebacterium\_striatum | Streptococcus\_pneumoniae | 78.7% | Corynebacterium\_striatum;Streptococcus\_pneumoniae;Pseudomonas\_aeruginosa |  |
| CM2 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Acinetobacter\_baumannii | 95.6% | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |  |
| CM2 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Pseudomonas\_aeruginosa | 4.4% | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |  |
| CM3 | BALF |  | Pseudomonas\_aeruginosa | 35.3% | Pseudomonas\_aeruginosa | Acinetobacter\_baumannii |
| CN8 | BALF |  | Pseudomonas\_aeruginosa | 31.3% | Pseudomonas\_aeruginosa | Acinetobacter\_baumannii |
| CN12\_XX | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Pseudomonas\_aeruginosa | 43.9% | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa | Burkholderia\_cepacia |
| CO2 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Acinetobacter\_baumannii | 94.3% | Staphylococcus\_aureus;Acinetobacter\_baumannii |  |
| CO2 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Parvimonas\_micra | 1.6% | Staphylococcus\_aureus;Acinetobacter\_baumannii |  |
| CR9 | Sputum | Acinetobacter\_baumannii | Bifidobacterium\_breve | 27.0% |  |  |
| CR9 | Sputum | Acinetobacter\_baumannii | Lactobacillus\_paracasei | 10.6% |  |  |
| CR9 | Sputum | Acinetobacter\_baumannii | Streptococcus\_parasanguinis | 11.2% |  |  |
| CR1 | BALF |  | Enterococcus\_faecium | 85.0% | Enterococcus\_faecium | Pseudomonas\_aeruginosa |
| CR1 | BALF |  | Pseudomonas\_aeruginosa | 5.6% | Enterococcus\_faecium | Pseudomonas\_aeruginosa |
| CR1 | BALF |  | Staphylococcus\_haemolyticus | 4.7% | Enterococcus\_faecium | Pseudomonas\_aeruginosa |
| CR4 | BALF | Klebsiella\_pneumoniae | Corynebacterium\_striatum | 59.8% | Corynebacterium\_striatum;Klebsiella\_pneumoniae |  |
| CR4 | BALF | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 29.5% | Corynebacterium\_striatum;Klebsiella\_pneumoniae |  |
| CR4 | BALF | Klebsiella\_pneumoniae | Veillonella\_parvula | 5.9% | Corynebacterium\_striatum;Klebsiella\_pneumoniae |  |
| CS2 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 97.8% | Pseudomonas\_aeruginosa |  |
| CS8 | BALF | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 75.2% |  | Pseudomonas\_aeruginosa |
| CS13 | Sputum |  | Haemophilus\_influenzae | 20.8% | Haemophilus\_influenzae | Pseudomonas\_aeruginosa |
| CS14 | Sputum |  | Prevotella\_denticola | 53.8% |  | Pseudomonas\_aeruginosa |
| CT6 | BALF |  | Actinomyces\_pacaensis | 12.2% |  |  |
| CT6 | BALF |  | Lactobacillus\_reuteri | 14.6% |  |  |
| CT6 | BALF |  | Staphylococcus\_epidermidis | 19.5% |  |  |
| CT6 | BALF |  | Staphylococcus\_haemolyticus | 14.6% |  |  |
| CU11\_lxx | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 99.3% | Pseudomonas\_aeruginosa |  |
| CV12\_lxx | Sputum | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 59.0% | Corynebacterium\_striatum;Acinetobacter\_baumannii |  |
| CV12\_lxx | Sputum | Acinetobacter\_baumannii | Corynebacterium\_striatum | 31.7% | Corynebacterium\_striatum;Acinetobacter\_baumannii |  |
| CV12\_lxx | Sputum | Acinetobacter\_baumannii | Streptococcus\_oralis | 4.3% | Corynebacterium\_striatum;Acinetobacter\_baumannii |  |
| CU5 | BALF |  | Mycoplasma\_hominis | 29.4% | Pseudomonas\_aeruginosa |  |
| CU5 | BALF |  | Pseudomonas\_aeruginosa | 58.8% | Pseudomonas\_aeruginosa |  |
| CU6 | BALF |  | Pseudomonas\_aeruginosa | 61.9% | Pseudomonas\_aeruginosa |  |
| CV3 | BALF | Haemophilus\_influenzae | Haemophilus\_influenzae | 93.2% | Pseudomonas\_aeruginosa;Haemophilus\_influenzae |  |
| CV10 | BALF |  | Pseudomonas\_aeruginosa | 9.5% | Pseudomonas\_aeruginosa | Corynebacterium\_striatum;Acinetobacter\_baumannii |
| CV14 | Sputum |  | Corynebacterium\_striatum | 87.7% | Corynebacterium\_striatum | Acinetobacter\_baumannii |
| CW2 | BALF | Acinetobacter\_baumannii;Escherichia\_coli | Acinetobacter\_baumannii | 97.2% | Acinetobacter\_baumannii | Escherichia\_coli |
| CW2 | BALF | Acinetobacter\_baumannii;Escherichia\_coli | Escherichia\_coli | 2.8% | Acinetobacter\_baumannii | Escherichia\_coli |
| CY4 | BALF | Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii | Stenotrophomonas\_maltophilia | 93.6% | Stenotrophomonas\_maltophilia |  |
| CZ4 | BALF |  | Pseudomonas\_aeruginosa | 30.0% | Pseudomonas\_aeruginosa |  |
| DA3 | BALF | Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa;Achromobacter\_xylosoxidans | Achromobacter\_xylosoxidans | 29.6% | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia;Achromobacter\_xylosoxidans |  |
| DA3 | BALF | Stenotrophomonas\_maltophilia;Pseudomonas\_aeruginosa;Achromobacter\_xylosoxidans | Pseudomonas\_aeruginosa | 61.4% | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia;Achromobacter\_xylosoxidans |  |
| DC11 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 95.9% | Pseudomonas\_aeruginosa |  |
| DC7 | Sputum |  | Nocardia\_brasiliensis | 22.4% |  | Pseudomonas\_aeruginosa |
| DC7 | Sputum |  | Nocardia\_farcinica | 9.7% |  | Pseudomonas\_aeruginosa |
| DC7 | Sputum |  | Veillonella\_atypica | 9.7% |  | Pseudomonas\_aeruginosa |
| DC7 | Sputum |  | Veillonella\_parvula | 17.2% |  | Pseudomonas\_aeruginosa |
| DC8 | Sputum | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Achromobacter\_xylosoxidans | 20.8% | Achromobacter\_xylosoxidans | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia |
| DC8 | Sputum | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Elizabethkingia\_anophelis | 31.2% | Achromobacter\_xylosoxidans | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia |
| DA10 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Acinetobacter\_baumannii | 91.5% | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii;Burkholderia\_cepacia |  |
| DE3 | BALF |  | Prevotella\_melaninogenica | 10.3% |  | Pseudomonas\_aeruginosa |
| DE3 | BALF |  | Rothia\_mucilaginosa | 8.6% |  | Pseudomonas\_aeruginosa |
| DE5 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 84.6% | Pseudomonas\_aeruginosa |  |
| DE5 | Sputum | Pseudomonas\_aeruginosa | Streptococcus\_anginosus | 5.0% | Pseudomonas\_aeruginosa |  |
| DE6 | Sputum | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 96.4% | Pseudomonas\_aeruginosa | Acinetobacter\_baumannii |
| DD2 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 68.5% | Pseudomonas\_aeruginosa | Klebsiella\_pneumoniae |
| DD10 | Sputum | Klebsiella\_pneumoniae | Bifidobacterium\_longum | 19.6% |  | Klebsiella\_pneumoniae;Streptococcus\_pneumoniae |
| DD10 | Sputum | Klebsiella\_pneumoniae | Streptococcus\_parasanguinis | 20.8% |  | Klebsiella\_pneumoniae;Streptococcus\_pneumoniae |
| DD12 | Sputum |  | Enterococcus\_faecium | 6.4% | Enterococcus\_faecium |  |
| DD12 | Sputum |  | Rothia\_mucilaginosa | 70.8% | Enterococcus\_faecium |  |
| DD12 | Sputum |  | Staphylococcus\_epidermidis | 21.3% | Enterococcus\_faecium |  |
| DF9 | BALF | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 99.2% | Klebsiella\_pneumoniae |  |
| DJ14 | Sputum |  | Haemophilus\_parainfluenzae | 8.1% |  |  |
| DJ14 | Sputum |  | Neisseria\_meningitidis | 29.7% |  |  |
| DJ14 | Sputum |  | Parvimonas\_micra | 28.8% |  |  |
| DK4 | BALF | Achromobacter\_xylosoxidans | Achromobacter\_xylosoxidans | 52.9% | Achromobacter\_xylosoxidans | Pseudomonas\_aeruginosa |
| DK6 | BALF |  | Streptococcus\_pneumoniae | 80.0% | Pseudomonas\_aeruginosa;Streptococcus\_pneumoniae |  |
| DK15 | BALF |  | Corynebacterium\_striatum | 3.8% |  | Corynebacterium\_striatum |
| DK15 | BALF |  | Staphylococcus\_epidermidis | 58.7% |  | Corynebacterium\_striatum |
| DK16 | BALF |  | Pseudomonas\_aeruginosa | 71.4% |  | Pseudomonas\_aeruginosa |
| DI8 | Sputum |  | Achromobacter\_xylosoxidans | 17.1% | Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Stenotrophomonas\_maltophilia;Achromobacter\_xylosoxidans |  |
| DI8 | Sputum |  | Corynebacterium\_striatum | 49.6% | Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Stenotrophomonas\_maltophilia;Achromobacter\_xylosoxidans |  |
| DI8 | Sputum |  | Pseudomonas\_aeruginosa | 20.0% | Pseudomonas\_aeruginosa;Corynebacterium\_striatum;Stenotrophomonas\_maltophilia;Achromobacter\_xylosoxidans |  |
| DJ8 | Sputum |  | Prevotella\_melaninogenica | 19.3% |  |  |
| DJ8 | Sputum |  | Streptococcus\_parasanguinis | 38.0% |  |  |
| DJ8 | Sputum |  | Veillonella\_parvula | 7.6% |  |  |
| DG6 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 99.0% | Pseudomonas\_aeruginosa |  |
| DH8 | Sputum | Acinetobacter\_baumannii;Enterobacter\_cloacae | Acinetobacter\_baumannii | 7.1% |  | Acinetobacter\_baumannii;Achromobacter\_xylosoxidans |
| DH8 | Sputum | Acinetobacter\_baumannii;Enterobacter\_cloacae | Pseudopropionibacterium\_propionicum | 18.6% |  | Acinetobacter\_baumannii;Achromobacter\_xylosoxidans |
| DI4 | BALF |  | Moraxella\_catarrhalis | 24.0% | Pseudomonas\_aeruginosa;Moraxella\_catarrhalis |  |
| DI4 | BALF |  | Rothia\_mucilaginosa | 8.4% | Pseudomonas\_aeruginosa;Moraxella\_catarrhalis |  |
| DI4 | BALF |  | Veillonella\_parvula | 10.2% | Pseudomonas\_aeruginosa;Moraxella\_catarrhalis |  |
| DK111 | Sputum | Streptococcus\_pneumoniae | Corynebacterium\_argentoratense | 24.2% | Streptococcus\_pneumoniae |  |
| DK111 | Sputum | Streptococcus\_pneumoniae | Streptococcus\_mitis | 20.0% | Streptococcus\_pneumoniae |  |
| DK111 | Sputum | Streptococcus\_pneumoniae | Streptococcus\_pneumoniae | 12.3% | Streptococcus\_pneumoniae |  |
| DL13 | Sputum |  | Corynebacterium\_striatum | 12.4% | Corynebacterium\_striatum;Enterococcus\_faecalis | Acinetobacter\_baumannii |
| DL13 | Sputum |  | Enterococcus\_faecalis | 10.0% | Corynebacterium\_striatum;Enterococcus\_faecalis | Acinetobacter\_baumannii |
| DL13 | Sputum |  | Rothia\_mucilaginosa | 71.9% | Corynebacterium\_striatum;Enterococcus\_faecalis | Acinetobacter\_baumannii |
| DL16 | Sputum |  | Prevotella\_intermedia | 19.2% |  | Streptococcus\_pneumoniae;Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |
| DL16 | Sputum |  | Pseudomonas\_aeruginosa | 2.3% |  | Streptococcus\_pneumoniae;Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |
| DL16 | Sputum |  | Rothia\_mucilaginosa | 13.1% |  | Streptococcus\_pneumoniae;Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |
| DM1 | BALF | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Acinetobacter\_baumannii | 63.7% | Corynebacterium\_striatum;Klebsiella\_pneumoniae;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |  |
| DM1 | BALF | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Pseudomonas\_aeruginosa | 23.0% | Corynebacterium\_striatum;Klebsiella\_pneumoniae;Stenotrophomonas\_maltophilia;Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |  |
| DM5 | Sputum | Klebsiella\_pneumoniae | Haemophilus\_parainfluenzae | 4.4% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii |
| DM5 | Sputum | Klebsiella\_pneumoniae | Pseudomonas\_aeruginosa | 83.0% | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii |
| DM9 | Sputum |  | Haemophilus\_influenzae | 37.5% | Haemophilus\_influenzae | Acinetobacter\_baumannii |
| DM9 | Sputum |  | Streptococcus\_oralis | 12.5% | Haemophilus\_influenzae | Acinetobacter\_baumannii |
| DN7 | BALF |  | Pseudomonas\_aeruginosa | 44.0% |  | Corynebacterium\_striatum;Staphylococcus\_aureus;Pseudomonas\_aeruginosa |
| DN10 | Sputum | Klebsiella\_pneumoniae | Moraxella\_catarrhalis | 88.8% | Moraxella\_catarrhalis |  |
| DN10 | Sputum | Klebsiella\_pneumoniae | Rothia\_mucilaginosa | 1.2% | Moraxella\_catarrhalis |  |
| DN11 | Sputum | Staphylococcus\_aureus;Acinetobacter\_baumannii | Corynebacterium\_striatum | 46.9% | Corynebacterium\_striatum;Staphylococcus\_aureus |  |
| DN11 | Sputum | Staphylococcus\_aureus;Acinetobacter\_baumannii | Prevotella\_melaninogenica | 2.3% | Corynebacterium\_striatum;Staphylococcus\_aureus |  |
| DN11 | Sputum | Staphylococcus\_aureus;Acinetobacter\_baumannii | Staphylococcus\_aureus | 43.7% | Corynebacterium\_striatum;Staphylococcus\_aureus |  |
| DO9 | Sputum | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 99.0% | Acinetobacter\_baumannii |  |
| DO10 | Sputum |  | Bacteroides\_zoogleoformans | 8.9% |  |  |
| DO10 | Sputum |  | Parvimonas\_micra | 6.2% |  |  |
| DO10 | Sputum |  | Prevotella\_intermedia | 69.3% |  |  |
| DT2 | BALF | Corynebacterium\_striatum | Corynebacterium\_striatum | 79.8% | Corynebacterium\_striatum | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |
| DU10 | Sputum |  | Prevotella\_melaninogenica | 24.0% |  | Corynebacterium\_striatum;Haemophilus\_influenzae;Streptococcus\_pneumoniae |
| DU10 | Sputum |  | Streptococcus\_mitis | 10.6% |  | Corynebacterium\_striatum;Haemophilus\_influenzae;Streptococcus\_pneumoniae |
| DU10 | Sputum |  | Veillonella\_parvula | 13.8% |  | Corynebacterium\_striatum;Haemophilus\_influenzae;Streptococcus\_pneumoniae |
| DV1 | BALF | Haemophilus\_influenzae | Haemophilus\_influenzae | 88.4% |  |  |
| DV1 | BALF | Haemophilus\_influenzae | Mycobacterium\_intracellulare | 8.1% |  |  |
| DV2 | BALF |  | Olsenella\_uli | 8.0% |  | Corynebacterium\_striatum;Pseudomonas\_aeruginosa |
| DV2 | BALF |  | Parvimonas\_micra | 62.1% |  | Corynebacterium\_striatum;Pseudomonas\_aeruginosa |
| DV2 | BALF |  | Prevotella\_intermedia | 10.3% |  | Corynebacterium\_striatum;Pseudomonas\_aeruginosa |
| DW9 | BALF | Escherichia\_coli | Escherichia\_coli | 100.0% |  |  |
| DX6 | BALF | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 97.9% |  | Pseudomonas\_aeruginosa |
| DX11 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 96.3% |  |  |
| DX11 | BALF | Pseudomonas\_aeruginosa | Streptococcus\_oralis | 1.6% |  |  |
| DX12 | BALF | Acinetobacter\_baumannii;Burkholderia\_cepacia | Acinetobacter\_baumannii | 4.8% |  |  |
| DX12 | BALF | Acinetobacter\_baumannii;Burkholderia\_cepacia | Burkholderia\_cepacia | 93.9% |  |  |
| EA4 | BALF |  | Pseudomonas\_aeruginosa | 50.0% |  | Corynebacterium\_striatum;Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa |
| EB2 | BALF |  | Moraxella\_catarrhalis | 97.0% | Moraxella\_catarrhalis | Klebsiella\_pneumoniae;Pseudomonas\_aeruginosa |
| EB10 | Sputum | Corynebacterium\_striatum | Corynebacterium\_striatum | 86.8% |  |  |
| EB10 | Sputum | Corynebacterium\_striatum | Streptococcus\_oralis | 6.3% |  |  |
| EC5 | BALF |  | Haemophilus\_influenzae | 80.6% | Haemophilus\_influenzae;Pseudomonas\_aeruginosa |  |
| EE1 | BALF | Burkholderia\_cepacia | Burkholderia\_cepacia | 92.5% |  | Pseudomonas\_aeruginosa |
| EE3 | BALF |  | Prevotella\_melaninogenica | 10.4% |  | Pseudomonas\_aeruginosa |
| EE3 | BALF |  | Rothia\_mucilaginosa | 26.4% |  | Pseudomonas\_aeruginosa |
| EE3 | BALF |  | Streptococcus\_parasanguinis | 11.8% |  | Pseudomonas\_aeruginosa |
| EE4 | BALF |  | Parvimonas\_micra | 20.3% |  | Acinetobacter\_baumannii |
| EE4 | BALF |  | Tannerella\_forsythia | 50.8% |  | Acinetobacter\_baumannii |
| EH6 | BALF | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 98.6% |  |  |
| EK1 | BALF | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa | Acinetobacter\_baumannii | 99.3% | Acinetobacter\_baumannii;Pseudomonas\_aeruginosa |  |
| EK8 | Sputum | Pseudomonas\_aeruginosa | Prevotella\_melaninogenica | 9.7% |  |  |
| EK8 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 23.2% |  |  |
| EK2 | BALF | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 37.9% | Acinetobacter\_baumannii | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia |
| EL6 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Acinetobacter\_baumannii | 98.1% |  |  |
| EL6 | BALF | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii | Pseudomonas\_aeruginosa | 1.9% |  |  |
| EL18 | Sputum |  | Corynebacterium\_argentoratense | 15.5% |  | Acinetobacter\_baumannii;Streptococcus\_pneumoniae |
| EL18 | Sputum |  | Rothia\_mucilaginosa | 28.0% |  | Acinetobacter\_baumannii;Streptococcus\_pneumoniae |
| EL18 | Sputum |  | Streptococcus\_parasanguinis | 12.5% |  | Acinetobacter\_baumannii;Streptococcus\_pneumoniae |
| EM5 | BALF |  | Streptococcus\_pneumoniae | 58.3% | Streptococcus\_pneumoniae | Pseudomonas\_aeruginosa;Acinetobacter\_baumannii |
| EO3 | Sputum |  | Corynebacterium\_resistens | 18.3% |  | Stenotrophomonas\_maltophilia;Enterococcus\_faecium |
| EO3 | Sputum |  | Enterococcus\_faecium | 21.3% |  | Stenotrophomonas\_maltophilia;Enterococcus\_faecium |
| EO3 | Sputum |  | Staphylococcus\_haemolyticus | 23.0% |  | Stenotrophomonas\_maltophilia;Enterococcus\_faecium |
| EO3 | Sputum |  | Stenotrophomonas\_maltophilia | 25.3% |  | Stenotrophomonas\_maltophilia;Enterococcus\_faecium |
| ET3 | BALF |  | Fusobacterium\_periodonticum | 6.0% |  |  |
| ET3 | BALF |  | Nocardia\_brasiliensis | 23.8% |  |  |
| ET4 | BALF | Klebsiella\_oxytoca;Leclercia\_adecarboxylata | Klebsiella\_oxytoca | 24.3% |  | Pseudomonas\_aeruginosa |
| ET4 | BALF | Klebsiella\_oxytoca;Leclercia\_adecarboxylata | Staphylococcus\_epidermidis | 13.6% |  | Pseudomonas\_aeruginosa |
| ET4 | BALF | Klebsiella\_oxytoca;Leclercia\_adecarboxylata | Staphylococcus\_haemolyticus | 49.6% |  | Pseudomonas\_aeruginosa |
| EU7 | Sputum | Acinetobacter\_baumannii | Acinetobacter\_baumannii | 65.8% |  | Corynebacterium\_striatum |
| EU7 | Sputum | Acinetobacter\_baumannii | Corynebacterium\_striatum | 28.1% |  | Corynebacterium\_striatum |
| EU7 | Sputum | Acinetobacter\_baumannii | Streptococcus\_constellatus | 2.9% |  | Corynebacterium\_striatum |
| EV1 | BALF | Pseudomonas\_aeruginosa;Enterobacter\_aerogenes | Enterobacter\_aerogenes | 56.1% | Enterobacter\_aerogenes;Enterococcus\_faecalis | Pseudomonas\_aeruginosa |
| EV1 | BALF | Pseudomonas\_aeruginosa;Enterobacter\_aerogenes | Enterococcus\_faecalis | 37.6% | Enterobacter\_aerogenes;Enterococcus\_faecalis | Pseudomonas\_aeruginosa |
| EV1 | BALF | Pseudomonas\_aeruginosa;Enterobacter\_aerogenes | Weissella\_cibaria | 1.7% | Enterobacter\_aerogenes;Enterococcus\_faecalis | Pseudomonas\_aeruginosa |
| EX1 | BALF | Klebsiella\_pneumoniae | Enterococcus\_faecium | 63.3% |  | Pseudomonas\_aeruginosa;Enterococcus\_faecium |
| EX1 | BALF | Klebsiella\_pneumoniae | Klebsiella\_pneumoniae | 2.0% |  | Pseudomonas\_aeruginosa;Enterococcus\_faecium |
| EX1 | BALF | Klebsiella\_pneumoniae | Pseudomonas\_aeruginosa | 2.0% |  | Pseudomonas\_aeruginosa;Enterococcus\_faecium |
| EX1 | BALF | Klebsiella\_pneumoniae | Streptococcus\_oralis | 14.0% |  | Pseudomonas\_aeruginosa;Enterococcus\_faecium |
| EX6 | Sputum | Pseudomonas\_aeruginosa | Prevotella\_jejuni | 10.1% |  |  |
| EX6 | Sputum | Pseudomonas\_aeruginosa | Prevotella\_melaninogenica | 13.0% |  |  |
| EX6 | Sputum | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 24.6% |  |  |
| EX6 | Sputum | Pseudomonas\_aeruginosa | Veillonella\_atypica | 17.4% |  |  |
| EY2 | BALF | Burkholderia\_cepacia | Burkholderia\_cepacia | 93.8% |  |  |
| FB01 | BALF |  | Porphyromonas\_gingivalis | 16.5% |  |  |
| FB01 | BALF |  | Tannerella\_forsythia | 76.3% |  |  |
| FB01 | BALF |  | Treponema\_denticola | 4.0% |  |  |
| FD2 | BALF |  | Prevotella\_melaninogenica | 12.8% |  | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia |
| FD2 | BALF |  | Pseudomonas\_aeruginosa | 14.9% |  | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia |
| FE3 | BALF | Pseudomonas\_aeruginosa | Elizabethkingia\_anophelis | 96.4% |  | Pseudomonas\_aeruginosa |
| FE3 | BALF | Pseudomonas\_aeruginosa | Pseudomonas\_aeruginosa | 1.2% |  | Pseudomonas\_aeruginosa |
| FF2 | BALF |  | Corynebacterium\_striatum | 11.1% |  | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia;Corynebacterium\_striatum |
| FF03 | BALF | Pseudomonas\_aeruginosa;Klebsiella\_pneumoniae;Escherichia\_coli | Escherichia\_coli | 3.1% |  |  |
| FF03 | BALF | Pseudomonas\_aeruginosa;Klebsiella\_pneumoniae;Escherichia\_coli | Pseudomonas\_aeruginosa | 94.4% |  |  |
| FF04 | BALF | Acinetobacter\_baumannii;Burkholderia\_multivorans | Acinetobacter\_baumannii | 9.4% |  |  |
| FF04 | BALF | Acinetobacter\_baumannii;Burkholderia\_multivorans | Burkholderia\_multivorans | 87.7% |  |  |
| FF8 | BALF |  | Moraxella\_catarrhalis | 12.5% | Moraxella\_catarrhalis | Pseudomonas\_aeruginosa;Stenotrophomonas\_maltophilia;Burkholderia\_multivorans |