

**Supplemental Table 2** Individual information of patients with concurrent infection

Patient	Diagnosis proof	Pathogen	Symptom	Pathogen positive sample
Patient 1	Microbial evidence	Fungal	Pneumonia	Sputum
Patient 2	Microbial evidence	Gram-positive bacterium	Pneumonia	Blood
Patient 3	Microbial evidence	Candida albicans	Pneumonia	Bronchoalveolar lavage fluid
Patient 4	Clinical diagnosis	Unknown	Pneumonia	None
Patient 5	Microbial evidence	Herpes virus, aspergillus fumigatus Actinomyces	Pneumonia	Bronchoalveolar lavage fluid
Patient 6	Microbial evidence	odontolyticus , Candida albicans , HAV	Pneumonia, hepatitis	Bronchoalveolar lavage fluid
Patient 7	Clinical diagnosis	Unknown	Pneumonia	None
Patient 8	Microbial evidence	Staphylococcus epidermidis	Pleurisy	Hydrothorax
Patient 9	Clinical diagnosis	Unknown	Pneumonia	None
Patient 10	Microbial evidence	EBV, mycoplasma pneumoniae	Pneumonia	Blood
Patient 11	Microbial evidence	Aspergillus fumigatus	Pneumonia	Sputum
Patient 12	Clinical diagnosis	Unknown	Pneumonia	None
Patient 13	Microbial evidence	Haemophilus influenzae	Pneumonia	Bronchoalveolar lavage fluid
Patient 14	Microbial evidence	A variety of viruses and fungi	Pneumonia	Bronchoalveolar lavage fluid

*HAV, hepatitis A virus; EBV, Epstein-Barr virus.*