**Supplementary Material**

**Supplementary Table 1: Co-detections in *M. pneumoniae*-positive specimens**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Co-detected organisms a | | | | | | | No. of specimens |
| HIAT | ADEV |  |  |  |  |  | 1 |
| HIAT | FLUA |  |  |  |  |  | 1 |
| MOCA | GAST |  |  |  |  |  | 1 |
| MOCA | RHIV |  |  |  |  |  | 1 |
| MOCA | STAU |  |  |  |  |  | 1 |
| RHIV | HCV |  |  |  |  |  | 1 |
| RHIV | RESV |  |  |  |  |  | 1 |
| HIAT | MOCA |  |  |  |  |  | 2 |
| HIAT | RHIV |  |  |  |  |  | 2 |
| HIAT | HCV |  |  |  |  |  | 2 |
| RHIV | STAU |  |  |  |  |  | 2 |
| HIAT | STAU |  |  |  |  |  | 4 |
| MOCA | STPN |  |  |  |  |  | 4 |
| HIAT | STPN |  |  |  |  |  | 6 |
| STAU | STPN |  |  |  |  |  | 6 |
| HIAT | GAST | STAU |  |  |  |  | 1 |
| HIAT | GAST | RHIV |  |  |  |  | 1 |
| HIAT | RHIV | STAU |  |  |  |  | 1 |
| HIAT | MOCA | STAU |  |  |  |  | 1 |
| HIAT | MOCA | STPN |  |  |  |  | 1 |
| HIAT | RHIV | RESV |  |  |  |  | 1 |
| HIAT | MOCA | ENTV |  |  |  |  | 1 |
| HIAT | STPN | PIV |  |  |  |  | 1 |
| HMPV | STAU | STPN |  |  |  |  | 1 |
| GAST | RHIV | STAU |  |  |  |  | 1 |
| RHIV | HCV | STAU |  |  |  |  | 1 |
| STAU | STPN | HCV |  |  |  |  | 1 |
| HIAT | STAU | STPN |  |  |  |  | 2 |
| MOCA | STAU | STPN |  |  |  |  | 4 |
| ADEV | ENTV | PIV | RHIV |  |  |  | 1 |
| ENTV | HIAT | RHIV | STAU |  |  |  | 1 |
| ENTV | HIAT | RHIV | STPN |  |  |  | 1 |
| HIAT | HCV | STAU | STPN |  |  |  | 1 |
| ENTV | HIAT | MOCA | RHIV |  |  |  | 1 |
| HIAT | MOCA | STAU | STPN |  |  |  | 1 |
| HIAT | GAST | STAU | STPN |  |  |  | 4 |
| HIAT | FLUA | HMPV | RHIV | STPN |  |  | 1 |
| HIAT | GAST | RHIV | STAU | STPN |  |  | 1 |
| ADEV | HIAT | HMPV | MOCA | STPN |  |  | 1 |
| HIAT | GAST | MOCA | RHIV | STPN |  |  | 1 |
| ENTV | HIAT | MOCA | RHIV | STPN |  |  | 1 |
| HIAT | HMPV | MOCA | RHIV | STPN |  |  | 1 |
| HCV (229E) | HCV (OC43) | HIAT | HPEV | STPN |  |  | 1 |
| ENTV | HIAT | MOCA | RESV | RHIV | STPN |  | 1 |
| ENTV | GAST | HIAT | HCV | MOCA | RHIV | STPN | 2 |

a ADEV, adenovirus; ENTV, enterovirus; FLUA, influenza A; GAST, Group A *Streptococcus* (*Streptococcus pyogenes*); HIAT, *Haemophilus influenzae*; HCV, human coronavirus; HMPV, human metapneumovirus; HPEV, human parechovirus; MOCA, *Moraxella catarrhalis*; RESV, respiratory syncytial virus; RHIV, human rhinovirus; STAU, *Staphylococcus aureus*; STPN, *Streptococcus pneumoniae*

**Supplementary Table 2: Clinical characteristics of patients with *Mycoplasma pneumoniae*-positive NP/OP specimens by co-detection status**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Characteristic | No co-detections (n=84), n (%) | ≥ 1 bacterial co-detection only (n=74), n (%) | ≥ 1 viral co-detection only (n=17), n (%) | ≥ 1 bacterial and ≥ 1 viral co-detection (n=34), n (%) |
| Length of stay (days)a | 2.5 (2.0-3.0) | 2.0 (1.0-4.0) | 2.0 (2.0-3.0) | 3.0 (2.0-5.0) |
| ICU admission | 4 (4.8) | 9 (12.2) | 2 (11.8) | 5 (14.7) |
| Mechanical ventilation | 0 (0) | 1 (1.4) | 0 (0) | 2 (5.9) |
| Death | 0 (0) | 0 (0) | 0 (0) | 0 (0) |

a median (interquartile range)