**Supplementary Digital Content 3.** List of organisms investigated for on nasopharyngeal swab samples using the Open Array system

Acinetobacter baumannii

Adenovirus

Bocavirus

Bordetella holmesii

Bordetella pertussis

Bordetella spp

Chlamydia trachomatis

Chlamydophila pneumoniae

Coronavirus (CoV) 229E

CoV HKU1

CoV NL63

CoV OC43

CoV-MERS

CoV-SARS

Coxiella burnetii

Cytomegalovirus (CMV)

Enterovirus D68

Pan-Enterovirus

Epstein-Barr virus

Group A Streptococcus - Streptococcus pyogenes

Group B Streptococcus

Haemophilus influenzae

Herpes simplex virus (HSV) -1

HSV-2

Human Herpesvirus 6

Human metapneumovirus (HMPV)

Influenza A

Influenza B

Klebsiella pneumoniae

Legionella pneumophila

Listeria monocytogenes

Measles virus

Moraxella catarrhalis

Mumps

Mycobacterium tuberculosis

Neisseria gonorrhoeae

Neisseria lactamica

Neisseria meningitidis

Parainfluenza virus type 1

Parainfluenza virus type 2

Parainfluenza virus type 2

Parainfluenza virus type 3

Parechovirus

Pneumocystis jirovecii

Pseudomonas aeruginosa

Respiratory syncytial virus (RSV) - A

RSV-B

Rhinovirus

Rubella

Staphylococcus aureus

Streptococcus pneumoniae

Varicella-zoster virus