Supplementary Material

Simultaneous Detection of Key Bacterial Pathogens Related to Pneumonia and Meningitis by Using Multiplexed PCR Coupled with Mass Spectrometry

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Supplementary information

Table S1 Target gene and sequences of amplification primers and extension primers used in the BP-MS method

Table S2 Primers and probes of real-time PCR used in this study

Table S3 Primers of nested PCR used in this study

Fig S1 Evaluation the specificity of the assay of *S. pneumoniae*, *H. influenzae*, *N. meningitidis*, *K. pneumoniae*, *A. baumannii*, and *P. aeruginosa*.

Fig S2 Evaluation the specificity of the assay of *S. aureus*, *M. catarrhalis*, *L. pneumophila*, *M. pneumoniae*, *B. pertussis*, and HBB.

Figure S1

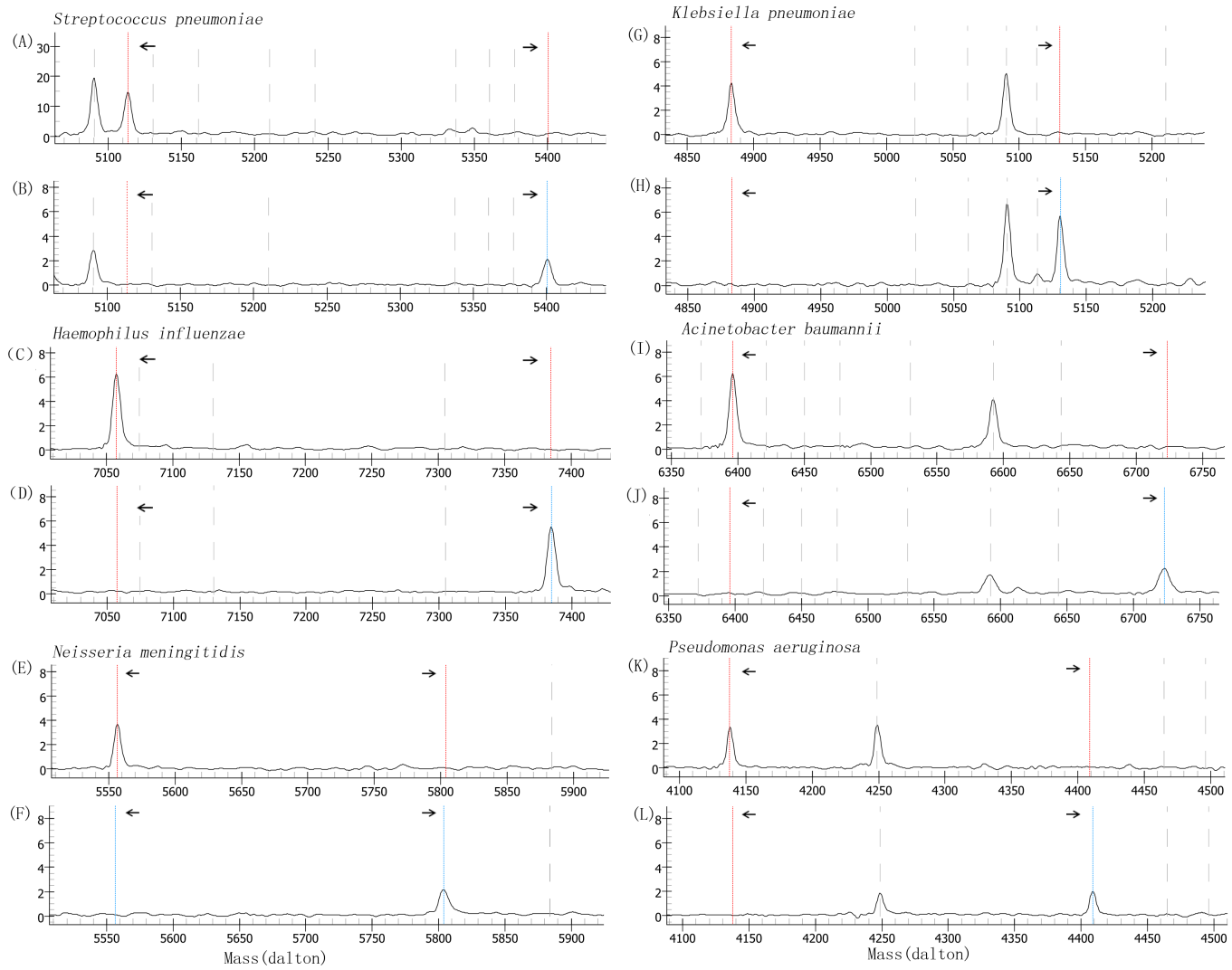

Figure S1 | Mass spectrum of specificity evaluation by using sequencing confirmed clinical samples and isolates. Figure (B), (D), (F), (H), (J) and (L) represent the positive results of *S. pneumoniae*, *H. influenzae*, *N. meningitidis*, *K. pneumoniae*, *A. baumannii*, and *P. aeruginosa* respectively, while (A), (C), (E), (G), (I) and (K) represent the negative reaction of corresponding assay when a non-target DNA was used. The left arrow indicates the unextended primer and the right arrow indicates the extended primer. The x-axis represents the mass of extension primer and the y-axis represents the intensity.