**Supplementary Table 1 Clinical and genotypic characteristics of the 5 CIKA strains**

|  |  |  |  |
| --- | --- | --- | --- |
| Sample ID | Sample Source | Isolation Date | Resistance genes |
|  |  |  | Carbapenemasegenes | ESBLsgenes | AmpCgenes | Porin genes | ARD gens | QRD genes |
| CIKA-1 | secretion | 09-2015 | - | - | *bla*EBC,*bla*ACC | *ompE35*, *ompE36* | *acc（6'）-1b* | *qnrD*, *qnrS* |
| CIKA-2 | sputum | 09-2017 | - | - | *bla*EBC, *bla*ACC | *ompE35*, *ompE36* | - | *qnrD* |
| CIKA-3 | blood | 12-2017 | - | - | *bla*ACC | *ompE35*, *ompE36* | *armA* | *qnrD*, *qnrS* |
| CIKA-4 | sputum | 03-2018 | - | - | *bla*ACC | *ompE35*, *ompE36* | - | *qnrD*, *qnrS* |
| CIKA-5 | sputum | 07-2018 | - | - | *bla*ACC | *ompE35*, *ompE36* | - | *qnrD*, *qnrS* |

Abbreviations: CIKA, Carbapenem-intermediate *Klebsiella aerogenes*; ESBLs, Extended Spectrum Beta-Lactamases; QRD, quinolone resistance determinants; ARD, aminoglycoside resistance determinants; “-”, not detected.

**Supplementary Figure 1** **Distribution of Carbapenem sensitivity of 892 *Klebsiella aerogenes* isolates from 2012-2018 in our hospital**



**Abbreviations:** CRKA, carbapenem-resistant *Klebsiella aerogenes*; CIKA, carbapenem-intermediate *Klebsiella aerogenes*; CSKA，carbapenem-susceptible *Klebsiella aerogenes*.