**Supplementary TABLE 1.** The CD1-VR2-CD2 region of wzc gene sequences of the new K type. The closest K-type is K12.

| Locus:         | wzc (CD1-VR2-CD2 region of wzc) |
|---------------|----------------------------------|
| Allele        | 13                               |
| Sequence      | GCTTTGTATTGGTTTTCTCATTGCGATATCCCGAGGATTCTCAACTGCAAGAAACCCCTTGATTCTCATCATTTTCCTTTTGTGTTTTCCAGTTAGATTGTTTTTCTGAACCTTTTGAGAGAAGTTTACGTACATTCCCAATTTCCTCAAGTTGCTCAGGACGATACCGCGTCGTAAAAATATGCGTAGTAATAGACACCTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTTTTCGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTTTTCGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTTTTCGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTTTTCGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTTTTCGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTTTTCGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTTTTCGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTTTTCGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTTTTCGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTTTTCGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTTTTCGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTCTGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTCTGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTCTGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTCTGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTCTGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTCTGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTCTGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTCTGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTCTGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTCTGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGCCCAATTCCACACAGCAATTTCTGAGTTTTTTCGTAACCTTTTGAGAGAATGTTTCAGCAACAGGAATACTTGCATAAACCTACTAATAACCTACTAATAAGCTCTTAGAAGACTAAAACACCTAAAAATAGC
Supplementary TABLE 2. The results of sequence comparison of wzc gene CD1-VR2-CD2 region for carbapenem-resistant *K. pneumoniae* isolates. ND: new sequence types.
**Supplementary TABLE 3.** The allelic profiles of carbapenemases-producing carbapenem-resistant *Klebsiella pneumoniae* isolates in current study.

| Sequence type | gapA | infB | mdh | pgi | phoE | rpoB | tonB |
|---------------|------|------|-----|-----|------|------|------|
| 8             | 4    | 1    | 1   | 1   | 1    | 5    | 6    |
| 11            | 3    | 3    | 1   | 1   | 1    | 1    | 4    |
| 15            | 1    | 1    | 1   | 1   | 1    | 1    | 1    |
| 23            | 2    | 1    | 1   | 1   | 9    | 4    | 12   |
| 307           | 4    | 1    | 2   | 52  | 1    | 1    | 7    |
| 412           | 2    | 1    | 2   | 1   | 9    | 1    | 112  |
| 736           | 42   | 22   | 55  | 22  | 11   | 13   | 167  |
| 1460          | 4    | 3    | 1   | 1   | 1    | 1    | 4    |
| 1869          | 3    | 3    | 1   | 1   | 9    | 1    | 4    |
| 1947          | 16   | 24   | 21  | 143 | 47   | 60   | 67   |
| 2640          | 2    | 1    | 1   | 1   | 1    | 4    | 13   |
| STnew1        | 269  | 19   | 79  | 20  | 113  | 21   | 153  |
| STnew2<sup>a</sup> | 98   | 19   | 90  | 20  | 117  | 21   | 162  |

<sup>a</sup> One allele (gapA) differs from ST2298.