**Table S1** PCR primers used for screening *pks* gene cluster of *K. pneumoniae* isolates

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| --- | --- | --- | --- | --- |
| Target gene | Primers | Nucleotide sequence (5’-3’) | Tm (oC) | Reference |
| *clbA* | clbAF | CTAGATTATCCGTGGCGATTC | 52 | [4] |
| clbAR | CAGATACACAGATACCATTCA | 49 |
| *clbB* | clbBF | GATTTGGATACTGGCGATAACCG | 55 | [4] |
| clbBR | CCATTTCCCGTTTGAGCACAC | 54 |
| *clbN* | clbNF | GTTTTGCTCGCCAGATAGTCATTC | 56 | [4] |
| clbNR | CAGTTCGGGTATGTGTGGAAGG | 57 |
| *clbQ* | clbQF | CTTGTATAGTTACACAACTATTTC | 49 | [4] |
| clbQR | TTATCCTGTTAGCTTTCGTTC | 49 |

All the reaction were performed in 30 repeats with 30 seconds for denaturation, 30 seconds for annealing, and 1minutes for elongation. The denaturation temperature was 95 oC, and the elongation temperature was 72 oC. The annealing temperature was adjusted by different primers. For *clbA*, *clbB*, *clbN*, and *clbQ*, the annealing temperature was 48, 52, 54, and 48 oC, respectively.