**Supplementary Information**

**Table S1** Primers used in this study.

| Primer | Nucleotide sequence (5' to 3') | Size (bp) | Reference |
|---|---|---|---|
| *tet*(X)-*EcoR*I | TACGCGAATTCATGACTTTACTAAAACATAAAAAAATTACAATAATTGGT | 1137 | This study[a] |
| *tet*(X)-*Sal*I | TACGCGTCGACTTATAGATTCATTAGTTTTTGGAAAGAAAAGTCG | | |
| hp2-F | GCTGACCTGTATCACAAAAC | 5117 | This study |
| tnpF-R | GCAAACCTGCCGAATAAATA | | |
| P1-F1 | ACCCTTTCAGCGATAAACTT | 11770 | This study |
| P1-F2 | ATTTGAGTATGCCCAAAGGA | | |

[a]Restriction sites of *EcoR*I and *Sal*I enzymes are underlined.

**Table S2** MICs of tigecycline and meropenem for the studied strains.

| Strains | Sources | MIC (mg/L) | |
|---|---|---|---|
| | | TGC | MEM |
| *E. coli* JM109+pBAD24 | Empty vector | 0.25 | 0.03 |
| *E. coli* JM109+pBAD24-*tet*(X)-novel | *tet*(X) clone | 8 | 0.03 |
| *A. baylyi* ADP1 | Laboratory strain | 0.06 | 0.13 |
| *A. indicus* MMS9-2 | Soil | 8 | 32 |
| *A. baylyi* ADP1+MMS9-2-*tet*(X) | Natural transformant | 8 | 0.13 |
| *A. indicus* MM112-2 | Duck | 16 | 16 |
| *A. baylyi* ADP1+MM112-2-*tet*(X) | Natural transformant | 8 | 0.13 |
| *A. indicus* B18 | Pigeon | 16 | 0.25 |
| *A. baylyi* ADP1+B18-*tet*(X) | Transconjugant | 8 | 0.13 |
| *A. variabilis* DJ1-1 | Chicken | 16 | 0.13 |
| *A. baylyi* ADP1+ DJ1-1-*tet*(X) | Transconjugant | 8 | 0.13 |

TGC, tigecycline; MEM, meropenem

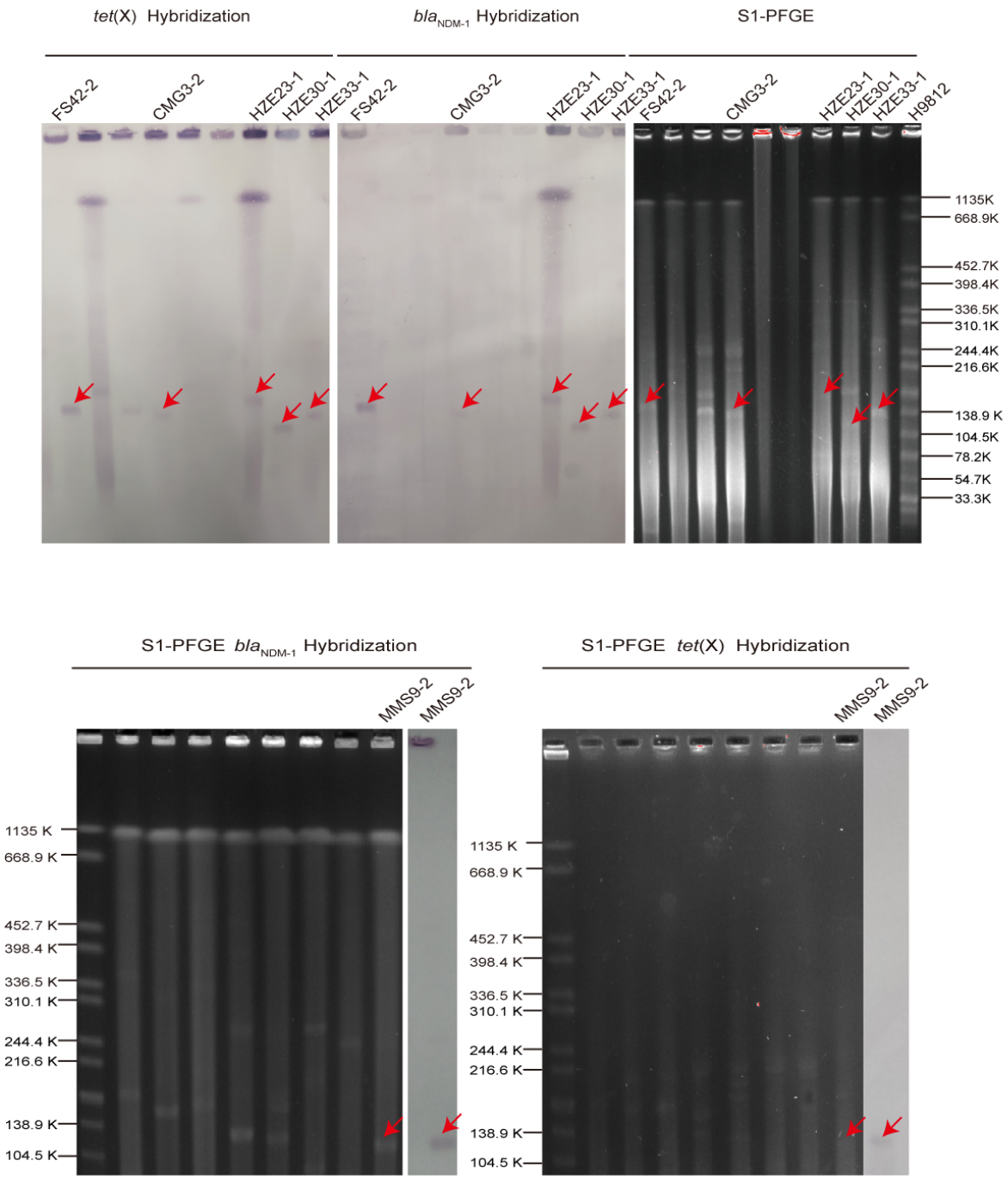


**Fig. S1** Localization of six plasmids that co-haboring *tet*(X) and *bla*$_{NDM-1}$ by S1-PFGE and Southern blot hybridization.