Table S1 Representative MICs against colistin-resistant GNB.

| Species            | Strains\(^a\) | Antibiotics\(^b\) | ATM    | CAZ    | FEP    | IPM    | CIP    | LVX    | GEN    | TOB    | COL    | KP    |
|--------------------|---------------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
|                    | Breakpoints (S-R\(^c\)) | 8-32  | 8-32  | 8-32  | 2-8    | 0.5-2  | 1-4    | 4-16  | 4-16  | 2-4    |        |       |
| **P. aeruginosa**  |               |       |       |       |        |        |        |       |       |        |       |       |
| TL1671             |               | 8     | 4     | 8     | 2      | 0.25   | 1      | 2     | 1     | 128    | 512   |       |
| TL1744             |               | 32    | 32    | 16    | 16     | 32     | 8      | >256  | 32    | 64     | >512  |       |
| TL2314             | MICs (µg/mL)  |       |       |       |        |        |        |       |       |        |       |       |
| TL3008             |               | 4     | 2     | 4     | 16     | 0.5    | 2      | 8     | 2     | 32     | 512   |       |
| TL3086             |               | 128   | 16    | 16    | >256   | 16     | 8      | >256  | 128   | >128   | 512   |       |
| DC3599             | ≥256           | 128   | ≥256  | ≥256  | 0.5    | ≥256   | ≥256   | ≥256  | 8     | >512   |       |       |
| DC3806             |               | 64    | 64    | 16    | 1      | 4      | 8      | 16    | 16    | 8      | >512  |       |
| DC3846             | MICs (µg/mL)  |       |       |       |        |        |        |       |       |        |       |       |
| DC4887             |               | 1     | 4     | 32    | 1      | 4      | 16     | 16    | 8     | 16     | >512  |       |
| DC5262             | ≥256           | ≥256  | ≥256  | 4     | 2      | 16     | ≥256   | ≥256  | ≥256  | >128   | >512  |       |
| DC7333             | ≥256           | ≥256  | ≥256  | 16    | ≥256   | 128    | 128    | ≥256  | 8     | >512   |       |       |
| **E. coli**        |               |       |       |       |        |        |        |       |       |        |       |       |
| DC3599             | ≥128           | ≥128  | ≥128  | 32    | ≥128   | 128    | ≥128   | ≥128  | >128  | >128   | >512  |       |
| DC3806             | 0.012          | 128   | ≥256  | 32    | ≥256   | 128    | ≥256   | ≥256  | 8     | >512   |       |       |
| DC3846             | DC3599         |       |       |       |        |        |        |       |       |        |       |       |
| DC4887             |               | 1     | 4     | 32    | 1      | 4      | 16     | 16    | 8     | 16     | >512  |       |
| DC5262             | ≥256           | ≥256  | ≥256  | 4     | 2      | 16     | ≥256   | ≥256  | ≥256  | >128   | >512  |       |
| DC7333             | ≥256           | ≥256  | ≥256  | 16    | ≥256   | 128    | 128    | ≥256  | 8     | >512   |       |       |
| **K. pneumoniae**  |               |       |       |       |        |        |        |       |       |        |       |       |
| FK1913             | ≥128           | ≥128  | ≥128  | 32    | ≥128   | 128    | ≥128   | ≥128  | >128  | >128   | >512  |       |
| FK3810             | 5              | 128   | ≥256  | 32    | ≥256   | 128    | ≥256   | ≥256  | 8     | >512   |       |       |
| FK3994             | MICs (µg/mL)  |       |       |       |        |        |        |       |       |        |       |       |
| FK6556             | ≥256           | 128   | ≥256  | 32    | ≥256   | 64     | ≥256   | ≥256  | ≥256  | 128    | >512  |       |
| FK6663             |                | 64    | 64    | 64    | 16     | 4      | 8      | 16    | 16    | 16     | >512  |       |
| FK6696             | ≥256           | ≥256  | ≥256  | 32    | ≥256   | ≥256   | ≥256   | ≥256  | ≥256  | ≥256   | >128  | >512  |
| **A. baumannii**   |               |       |       |       |        |        |        |       |       |        |       |       |
| BM1539             | 16             | 8     | 64    | 16    | 4      | 2      | 1      | 1     | 8     | >512   |       |       |
| BM1595             | 2              | 32    | 8     | 4     | 64     | 8      | ≥128   | ≥128  | 4     | 512    |       |       |
| BM2370             | MICs (µg/mL)  |       |       |       |        |        |        |       |       |        |       |       |
| BM2412             | 16             | 64    | 64    | 16    | 4      | 8      | 4      | 1     | 32     | 512    |       |       |
| BM2431             | 64             | 64    | 64    | 16    | 4      | 8      | 1      | 1     | 4      | >512   |       |       |

\(^a\) Bolded strain number indicates multidrug resistant (MDR) strain.

\(^b\) Bolded values point means resistance.

\(^c\) S-R represents the susceptible (S) breakpoint to resistant (R) breakpoint, according to CLSI supplement M100
(30th edition) and EUCAST.

**Abbreviations:** GNB, Gram-negative bacteria; ATM, Aztreonam; CAZ, Ceftazidime; FEP, Cefepime; IMP, Imipenem; CIP, Ciprofloxacin; LVX, Levofoxacin; GEN, Gentamicin; TOB, Tobramycin; COL, colistin; KP, kaempferol.
Table S2 Resistance mechanism of colistin in colistin-resistant GNB.

| Species      | Strains  | Resistance mechanism                  |
|--------------|----------|---------------------------------------|
| *P. aeruginosa* | TL1671   | PmrB (V15I, P216S)                   |
|              | TL1722   | PmrB (V199I, S257N) ParR (R146H) CprS (V181I, R209L) |
|              | TL1736   | PmrB (V185A)                         |
|              | TL1744   | PmrB (V15I, G68S)                    |
|              | TL2204   | PmrB (Y345H)                         |
|              | TL2294   | PmrB (G179D, I349V)                  |
|              | TL2314   | PhoQ (V260G)                         |
|              | TL2917   | PmrB (G179D) PhoQ (V260G)            |
|              | TL2967   | PmrB (D45E)                          |
|              | TL3008   | PmrB (A190G)                         |
|              | TL3086   | PmrB (S27R)                          |
| E. coli      | DC3599   | mcr-1                                 |
|              | DC3806   | mcr-1                                 |
|              | DC3846   | mcr-1                                 |
|              | DC4887   | mcr-1                                 |
|              | DC5262   | mcr-1                                 |
|              | DC7333   | mcr-1                                 |
| K. pneumoniae | FK1913   | MgrB (K2E, F28C)                     |
|              | FK3810   | PmrB (R256G)                         |
|              | FK3994   | PmrB (R256G)                         |
|              | FK6556   | PmrB (R256G)                         |
|              | FK6663   | PmrB (R256G)                         |
|              | FK6696   | PmrB (R256G)                         |
| A. baumannii | BM1539   | LpxA (A182V) LpxC (P46Q)             |
|              | BM1579   | PmrB (A138T) LpxC (P46Q) LpxD (A259T) |
|              | BM1595   | PmrB (N163I)                         |
|              | BM2349   | PmrB (N163I)                         |
|        | PmrB (W11R) | LpxD (N148K) |
|--------|--------------|---------------|
| BM2370 |              |               |
| BM2412 |              | LpxC (P46Q)   |
| BM2431 | PmrB (I10T)  |               |
| BM2622 | PmrB (A138T) | LpxC (S186R)  | LpxD (T289I) |