

Table S8. Plasmids used in this study

Plasmids	Description	Reference/source
pACYCDuet-1	Vector carrying the P15A replicon, <i>lacI</i> gene and chloramphenicol resistance gene	Addgene #71147
pBAD24	A tightly controlled expression vectors regulated by the arabinose operon, carrying pBR322 replicon and ampicillin gene.	Our lab
pACYC-Para- <i>mcr-1</i>	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying wide type <i>mcr-1</i> gene.	Our lab
pACYC-Para-M6	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutations P188A+P195S.	This study
pACYC-Para- <i>mcr-1</i> P188A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation P188A.	This study
pACYC-Para- <i>mcr-1</i> P195S	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation P195S.	This study
pACYC-NP- <i>mcr-1</i>	pACYCDuet-1 derivative replacing T7 promoter with native promoter of <i>mcr-1</i> and carrying wide type <i>mcr-1</i> gene.	Our lab
pACYC-NP-M6	pACYCDuet-1 derivative replacing T7 promoter with native promoter of <i>mcr-1</i> and carrying <i>mcr-1</i> gene with mutations P188A+P195S.	This study
pACYC-Para- <i>mcr-1</i> K187A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation K187A.	This study
pACYC-Para- <i>mcr-1</i> L189A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation L189A.	This study
pACYC-Para- <i>mcr-1</i> R190A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation R190A.	This study
pACYC-Para- <i>mcr-1</i> S191A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation S191A.	This study
pACYC-Para- <i>mcr-1</i> Y192A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation Y192A.	This study
pACYC-Para- <i>mcr-1</i> V193A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation V193A.	This study
pACYC-Para- <i>mcr-1</i> N194A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation N194A.	This study
pACYC-Para- <i>mcr-1</i> P195A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation P195A.	This study
pACYC-Para- <i>mcr-1</i> I196A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation I196A.	This study
pACYC-Para- <i>mcr-1</i> M197A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation M197A.	This study
pACYC-Para- <i>mcr-1</i> P198A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation P198A.	This study
pACYC-Para- <i>mcr-1</i> I199A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation I199A.	This study
pACYC-Para- <i>mcr-1</i> Y200A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation Y200A.	This study
pACYC-Para- <i>mcr-1</i> S201A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation S201A.	This study
pACYC-Para- <i>mcr-1</i> V202A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation V202A.	This study
pACYC-Para- <i>mcr-1</i> G203A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation G203A.	This study
pACYC-Para- <i>mcr-1</i> K204A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation K204A.	This study
pACYC-Para- <i>mcr-1</i> L205A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation L205A.	This study
pACYC-Para- <i>mcr-1</i> M197E	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation M197E.	This study
pACYC-Para- <i>mcr-1</i> L64F+I65Y	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation L64F+I65Y.	This study
pACYC-Para- <i>mcr-1</i> L165A+I168A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation L165A+I168A.	This study
pACYC-Para- <i>mcr-1</i> M197A+Y200A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation M197A+Y200A.	This study
pACYC-Para- <i>mcr-1</i> K204E+K211A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation K204E+K211A.	This study
pACYC-Para- <i>mcr-1</i> M197E+R184A+K187A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation M197E+R184A+K187A.	This study
pACYC-Para- <i>mcr-1</i> L64A+I65A+L68A+L69A	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with mutation L64A+I65A+L68A+L69A.	This study
pACYC-Para- <i>mcr-1</i> ΔP188-P195	pACYCDuet-1 derivative replacing T7 promoter with arabinose promoter and carrying <i>mcr-1</i> gene with the deletion of residues P188 to P195.	This study