

Table S1. Mutational profiles of *gyrA*, *gyrB*, *parC*, and *parE* related to CIP resistance

No.	Gene	Mutational site	Mutant construction or restoration	Origin	Reference
1	<i>gyrA</i>	Ser83Phe	No	<i>Salmonella</i>	Reyna F, et al. Antimicrob Agents Chemother, 1995. 39(7):1621-3. [39]
2	<i>gyrA</i>	Ser83Phe	Yes	<i>Salmonella</i>	Turner AK, et al. J Antimicrob Chemother, 2006. 58(4):733-40. [40]
3	<i>gyrA</i>	Ser83Tyr	No	<i>Salmonella</i>	Reyna F, et al. Antimicrob Agents Chemother, 1995. 39(7):1621-3. [39]
4	<i>gyrA</i>	Ser83Tyr	Yes	<i>Salmonella</i>	Turner AK, et al. J Antimicrob Chemother, 2006. 58(4):733-40. [40]
5	<i>gyrA</i>	Ser83Ala	Yes	<i>E. coli</i>	Barnard FM, et al. Antimicrob Agents Chemother, 2001. 45(7):1994-2000. [41]
6	<i>gyrA</i>	Ser83Leu	No	<i>E. coli</i>	Cesaro A, et al. J Antimicrob Chemother, 2008. 61(5):1007-15. [42]
7	<i>gyrA</i>	Ser83stop	No	<i>E. coli</i>	Cesaro A, et al. J Antimicrob Chemother, 2008. 61(5):1007-15. [42]
8	<i>gyrA</i>	Asp87Tyr	No	<i>Salmonella</i>	Reyna F, et al. Antimicrob Agents Chemother, 1995. 39(7):1621-3. [39]
9	<i>gyrA</i>	Asp87Tyr	Yes	<i>Salmonella</i>	Turner AK, et al. J Antimicrob Chemother, 2006. 58(4):733-40. [40]
10	<i>gyrA</i>	Asp87Asn	No	<i>Salmonella</i>	Reyna F, et al. Antimicrob Agents Chemother, 1995. 39(7):1621-3. [39]
11	<i>gyrA</i>	Asp87Asn	Yes	<i>Salmonella</i>	Turner AK, et al. J Antimicrob Chemother, 2006. 58(4):733-40. [40]
12	<i>gyrA</i>	Asp87Ala	Yes	<i>E. coli</i>	Barnard FM, et al. Antimicrob Agents Chemother, 2001. 45(7):1994-2000. [41]
13	<i>gyrA</i>	Asp87Gly	No	<i>Salmonella</i>	Lin CC, et al. J Food Prot, 2009. 72(1):14-20. [43]
14	<i>gyrA</i>	Asp87Gly	No	<i>Pseudomonas</i>	Yonezawa M, et al. Antimicrob Agents Chemother, 1995. 39(9):1970-2. [44]
15	<i>gyrA</i>	Ala67Pro+Gly 81Ser	No	<i>Salmonella</i>	Reyna F, et al. Antimicrob Agents Chemother, 1995. 39(7):1621-3. [39]
16	<i>gyrA</i>	Asp82Asn	No	<i>E. coli</i>	Cesaro A, et al. J Antimicrob Chemother, 2008. 61(5):1007-15. [42]
17	<i>gyrB</i>	Glu466Asp	Yes	<i>Salmonella</i>	Al-Emran HM, et al. Clin Infect Dis, 2016. 62 Suppl 1:S47-9. [45]
18	<i>gyrB</i>	Insertion of Glu at 465	No	<i>E. coli</i>	Cesaro A, et al. J Antimicrob Chemother, 2008. 61(5):1007-15. [42]
19	<i>gyrB</i>	Tyr420Cys	No	<i>Salmonella</i>	Eaves DJ, et al. Antimicrob Agents Chemother, 2004. 48(10):4012-4015. [46]
20	<i>gyrB</i>	Arg437Leu	No	<i>Salmonella</i>	Eaves DJ, et al. Antimicrob Agents Chemother, 2004. 48(10):4012-4015. [46]
21	<i>parC</i>	Thr57Ser	No	<i>Salmonella</i>	Eaves DJ, et al. Antimicrob Agents Chemother, 2004. 48(10):4012-4015. [46]

22	<i>parC</i>	Thr66Ile	No	<i>Salmonella</i>	Eaves DJ, et al. Antimicrob Agents Chemother, 2004. 48(10):4012-4015. [46]
23	<i>parC</i>	Ser80Arg	No	<i>Salmonella</i>	Ling JM, et al. Antimicrob Agents Chemother, 2003. 47(11):3567-73. [27]
24	<i>parC</i>	Ser80Ile	No	<i>E. coli</i>	Saenz Y, et al. J Antimicrob Chemother, 2003. 51(4):1001-5. [47]
25	<i>parC</i>	Glu84Gly	No	<i>E. coli</i>	Saenz Y, et al. J Antimicrob Chemother, 2003. 51(4):1001-5. [47]
26	<i>parC</i>	Glu84Lys	Yes	<i>Salmonella</i>	Turner AK, et al. J Antimicrob Chemother, 2006. 58(4):733-40. [40]
27	<i>parE</i>	Glu453Gly	No	<i>Salmonella</i>	Eaves DJ, et al. Antimicrob Agents Chemother, 2004. 48(10):4012-4015. [46]
28	<i>parE</i>	Ala498Thr	No	<i>Salmonella</i>	Eaves DJ, et al. Antimicrob Agents Chemother, 2004. 48(10):4012-4015. [46]
29	<i>parE</i>	Val512Gly	No	<i>Salmonella</i>	Eaves DJ, et al. Antimicrob Agents Chemother, 2004. 48(10):4012-4015. [46]
30	<i>parE</i>	Ser518Cys	No	<i>Salmonella</i>	Eaves DJ, et al. Antimicrob Agents Chemother, 2004. 48(10):4012-4015. [46]
31	<i>parE</i>	Ser458Pro	No	<i>Salmonella</i>	Ling JM, et al. Antimicrob Agents Chemother, 2003. 47(11):3567-73. [27]
32	<i>parE</i>	Val461Gly	Yes (no <i>Salmonella</i> function)	(no <i>Salmonella</i>)	O'Regan E, et al. Antimicrob Agents Chemother, 2009. 53(3):1080-7. [48]
