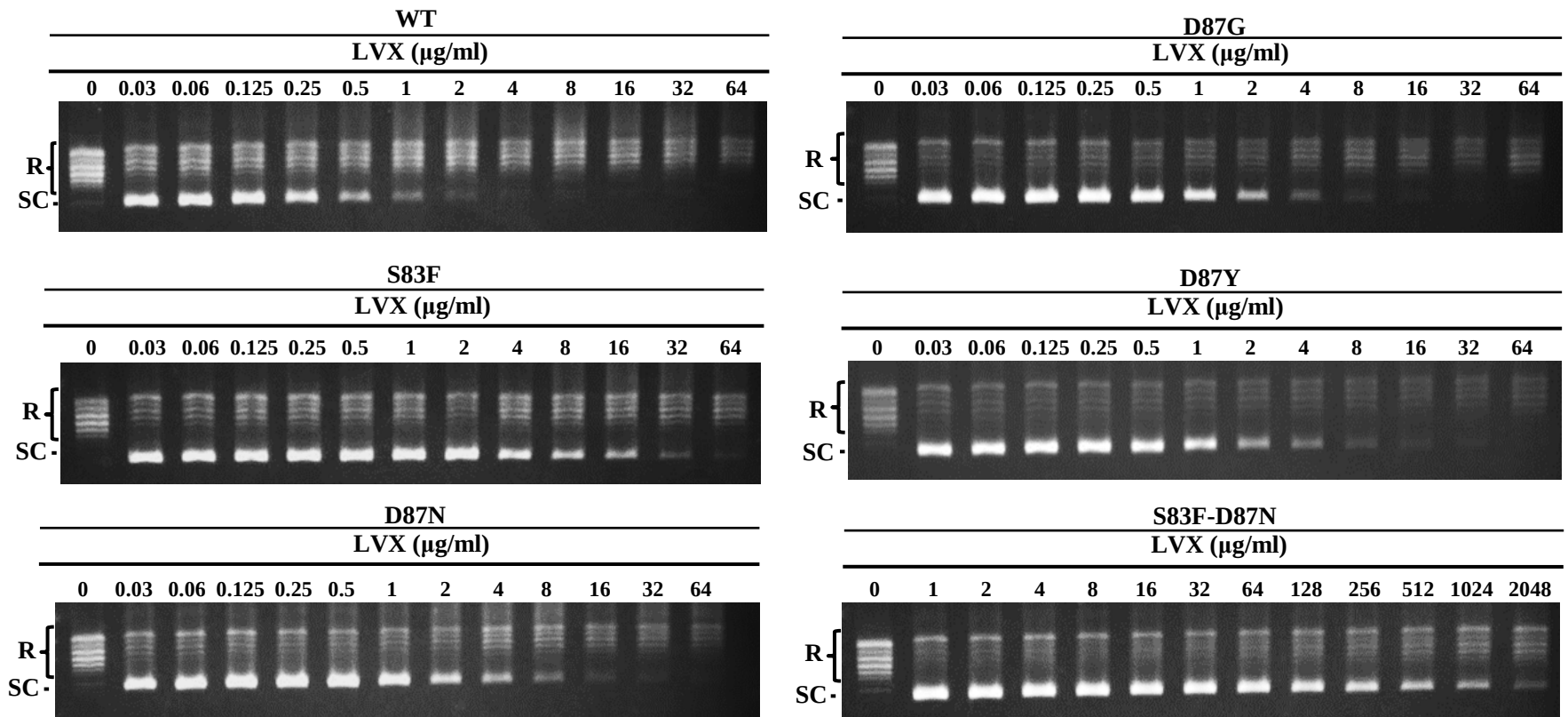




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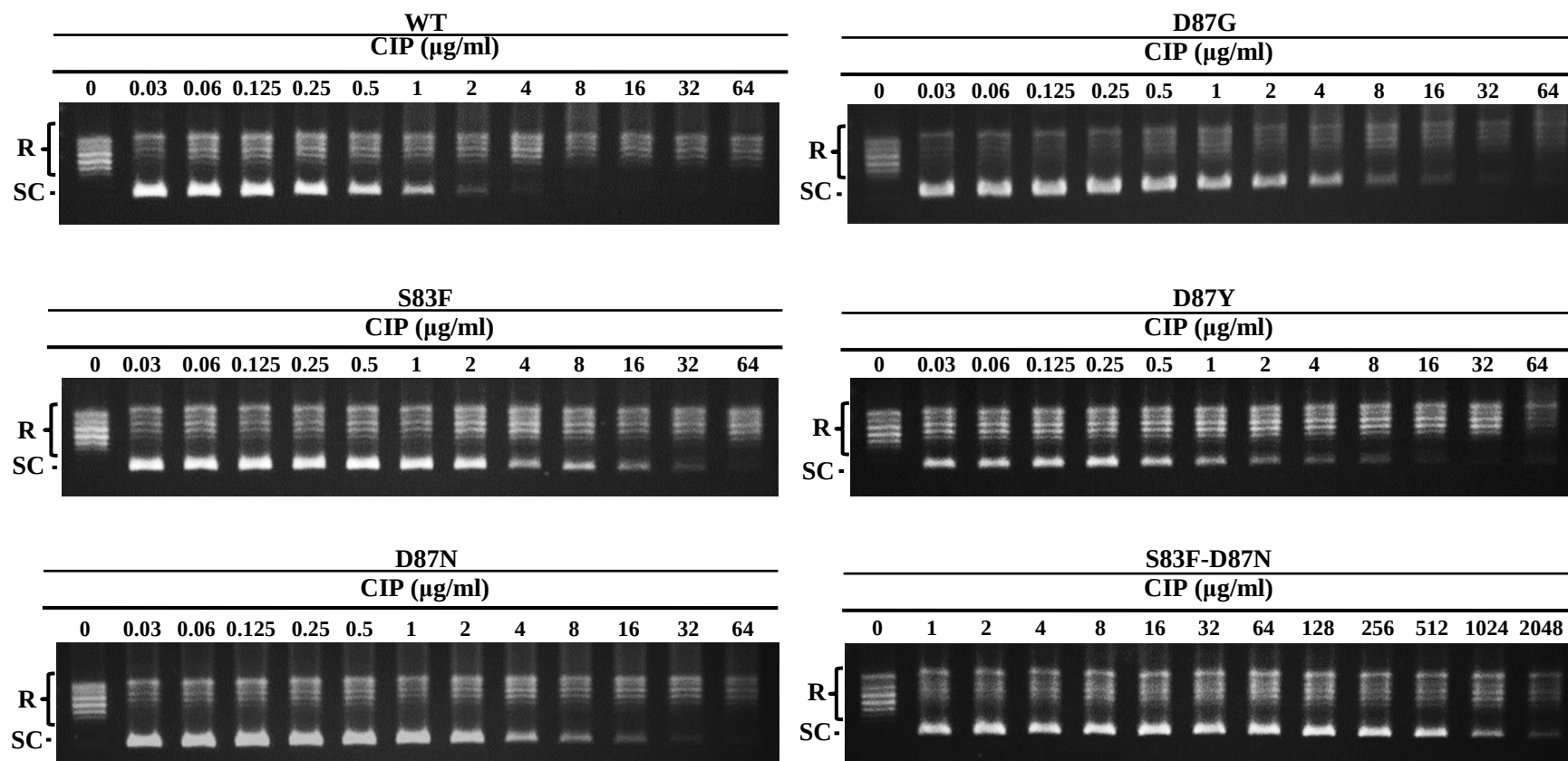
Title	Amino acid substitutions in GyrA affect quinolone susceptibility in <i>Salmonella typhimurium</i>
Author(s)	Kongsoi, Siriporn; Changkwanyeeun, Ruchirada; Yokoyama, Kazumasa et al.
Citation	Drug Testing and Analysis, 8(10), 1065-1070 https://doi.org/10.1002/dta.1910
Issue Date	2016-10
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Rights	This is the peer reviewed version of the following article: S. Kongsoi, R. Changkwanyeeun, K. Yokoyama, C. Nakajima, K. Changkaew, O. Suthienkul, Y. Suzuki. Amino Acid Substitutions in GyrA Affect Quinolone Susceptibility in <i>Salmonella Typhimurium</i> . Drug Test. Anal. 2016, 8, 1065, which has been published in final form at http://dx.doi.org/10.1002/dta.1910 . This article may be used for non-commercial purposes in accordance with Wiley Terms and Conditions for Self-Archiving.
Type	journal article
File Information	Supplementary figure 1-3.pdf, Supplementary figure





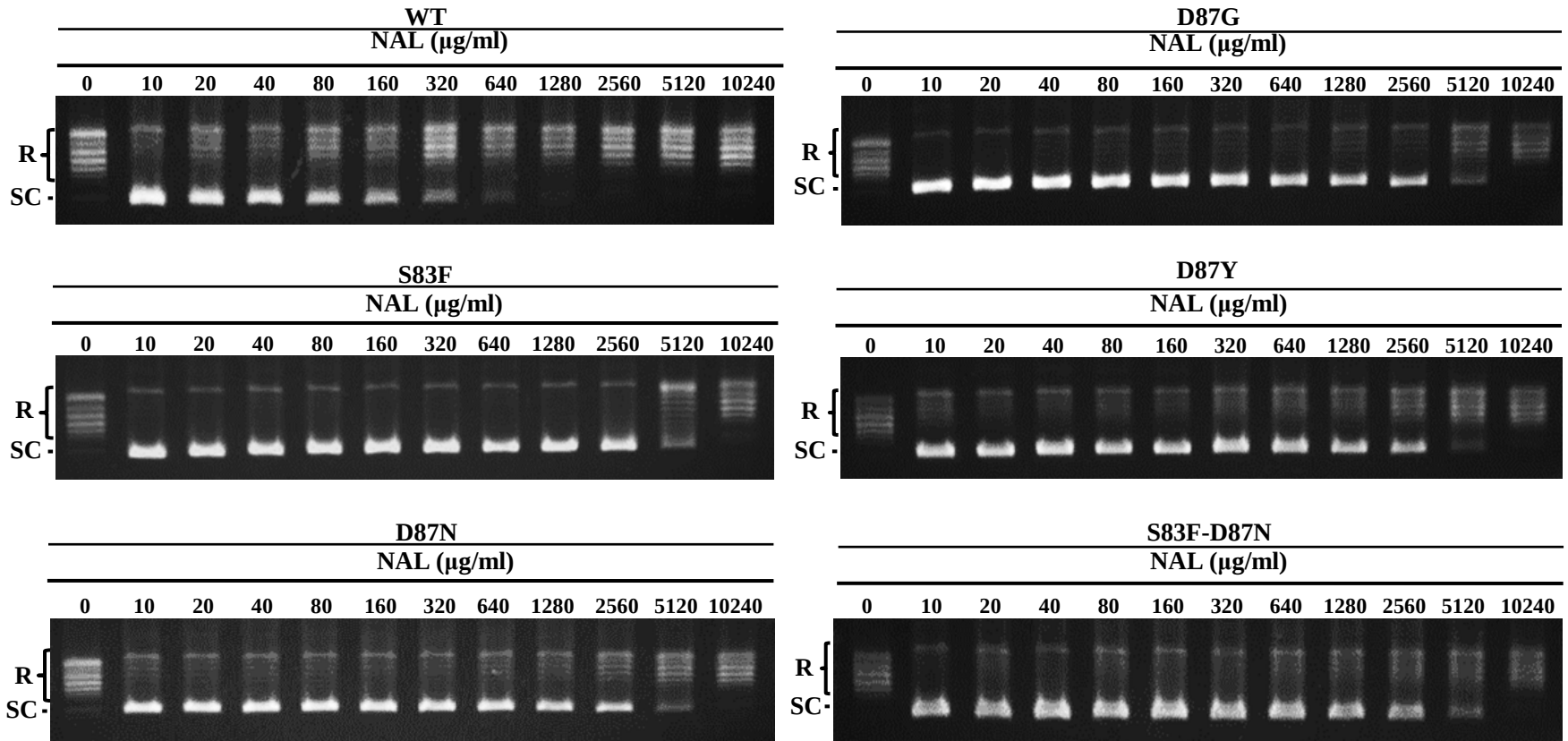
Supplementary figure 1. Inhibitory activities of LVX on the supercoiling activities of *S. Typhimurium* DNA gyrases.

WT, wild-type. LVX, levofloxacin. R, relaxed pBR322 DNA. SC, supercoiled pBR322 DNA. Relaxed pBR322 DNA (0.3 µg) was incubated with 30 ng of each DNA gyrase in the presence of the indicated amount of LVX (µg/ml). The reaction was stopped, and the DNA product analysed by electrophoresis in 1% agarose gels.



Supplementary figure 2. Inhibitory activities of CIP on the supercoiling activities of *S. Typhimurium* DNA gyrases.

WT, wild-type. CIP, ciprofloxacin. R, relaxed pBR322 DNA. SC, supercoiled pBR322 DNA. Relaxed pBR322 DNA (0.3 µg) was incubated with 30 ng of each DNA gyrase in the presence of the indicated amount of CIP (µg/ml). The reaction was stopped, and the DNA product analysed by electrophoresis in 1% agarose gels.



Supplementary figure 3. Inhibitory activities of NAL on the supercoiling activities of *S. Typhimurium* DNA gyrases.

WT, wild-type. NAL, nalidixic acid. R, relaxed pBR322 DNA. SC, supercoiled pBR322 DNA. Relaxed pBR322 DNA (0.3 μg) was incubated with 30 ng of each DNA gyrase in the presence of the indicated amount of NAL ($\mu\text{g/ml}$). The reaction was stopped, and the DNA product analysed by electrophoresis in 1% agarose gels.