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reporters with different 5' lengths of US_NmUC sequences and sequences from US_NmUC, Nm, and Ng were generated to assess potential promoter activities by βgalactosidase assay.

EMORY Regulation of Laterally Transferred ispD in Meningococcal Urethral Clade US NmUC Emilio Rodriguez, Yih-ling Tzeng, David Stephens

Department of Medicine, Division of Infectious Diseases, Emory University, Atlanta, GA, United States



plates for 24 hours at 37°C. When the native copy of *ispD* is deleted and the *lac* promoter is uninduced, US_NmUC growth decreases. When the *lac* promoter is induced, US_NmUC reaches a similar OD600 to the WT at log phase.

- rate

This work was supported by R01 AI127863-01 and R21 AI164733-01 from NIH/NIAID.

US_NmUC strains were provided by Abigail Norris Turner, PhD and Jose A. Bazan, DO of Ohio State University. Genomic Analysis was performed by Xin Wang, PhD and Adam Retchless, PhD of Centers for Disease Control and Prevention.

genome, i.e. US_NmUC::*ispD*_{Nm}, Nm::*ispD*_{Nm}, Nm::*ispD*_{US NmUC} Measure complement strains' growth over time and the effect of different strains' *ispD* on growth

Perform mRNA decay assay to measure different strains' *ispD* decay

Acknowledgements