

INFECTION AND IMMUNITY

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MOLECULAR GENOMICS

Comparative Genomic Analysis Using Microarray Demonstrates a Strong Correlation between the Presence of the 80-Kilobase Pathogenicity Island and Pathogenicity in Kanagawa Phenomenon-Positive *Vibrio parahaemolyticus* Strains

Kaori Izutsu, Ken Kurokawa,
Kosuke Tashiro, Satoru Kuhara,
Tetsuya Hayashi, Takeshi Honda,
and Tetsuya Iida

1016–1023

AUTHOR'S CORRECTION

Global Effects of the Cell-to-Cell Signaling Molecules Autoinducer-2, Autoinducer-3, and Epinephrine in a *luxS* Mutant of Enterohemorrhagic *Escherichia coli*

Melissa M. Kendall, David A.
Rasko, and Vanessa Sperandio

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Cover photograph (Copyright © 2008, American Society for Microbiology. All Rights Reserved.): Group A *Streptococcus* interaction with a human polymorphonuclear leukocyte. The scanning electron microscopic image shows a strain of serotype M1 group A *Streptococcus* (maize) interacting with the surface of a human polymorphonuclear leukocyte (blue). Group A *Streptococcus* produces an extracellular protease that cleaves granulocyte chemotactic protein 2 (GCP-2) and growth-related oncogene alpha (GRO α), two potent chemokines made abundantly in human tonsils. Cleavage of GCP-2 and GRO α by the *Streptococcus pyogenes* cell envelope protease abrogates their ability to prime leukocytes for activation, detrimentally altering the innate immune response. (Image courtesy of David R. Dorward and Anita Mora, Rocky Mountain Laboratories, National Institute of Allergy and Infectious Diseases, Hamilton, Montana.) (*Related paper is on p. 978.*)