

Accepted Manuscript

Title: Prevalence, antimicrobial resistance and virulence genes in *Escherichia coli* isolated from retail meats in Tamaulipas, México.

Authors: Ana Verónica Martínez-Vázquez, Gildardo Rivera-Sánchez, Krystal Lira Méndez, Miguel Ángel Reyes-López, Virgilio Bocanegra-García



PII: S2213-7165(18)30044-4
DOI: <https://doi.org/10.1016/j.jgar.2018.02.016>
Reference: JGAR 611

To appear in:

Received date: 27-6-2017
Revised date: 16-2-2018
Accepted date: 20-2-2018

Please cite this article as: Ana Verónica Martínez-Vázquez, Gildardo Rivera-Sánchez, Krystal Lira Méndez, Miguel Ángel Reyes-López, Virgilio Bocanegra-García, Prevalence, antimicrobial resistance and virulence genes in *Escherichia coli* isolated from retail meats in Tamaulipas, México. (2010), <https://doi.org/10.1016/j.jgar.2018.02.016>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Prevalence, antimicrobial resistance and virulence genes in *Escherichia coli* isolated from retail meats in Tamaulipas, México.

Running Title: *E. coli* characterization in meat from Mexico

Ana Verónica Martínez-Vázquez, Gildardo Rivera-Sánchez, Krystal Lira Méndez, Miguel Ángel Reyes-López and Virgilio Bocanegra-García*

Centro de Biotecnología Genómica, Instituto Politécnico Nacional
Blvd. del Maestro and Elías Piña, Reynosa, Tamaulipas, Mexico, 88710

*Corresponding author: Virgilio Bocanegra García.

Centro de Biotecnología Genómica, Instituto Politécnico Nacional
Blvd. del Maestro and Elías Piña, Reynosa, Tamaulipas, Mexico, 88710. E-mail:
vbocanegra@ipn.mx . Phone/Fax: +52 (899) 9243627 ext. 87753

Highlights

- High percentage of the strains harbored virulence factors (*hlyA*, *stx1* and *stx2*)
- Multidrug resistance was detected in 92.4% of strains
- Those strains may play an important role in disseminating drug resistance
- With all the above, those strains may represent a public health risk.

Download English Version:

<https://daneshyari.com/en/article/8746110>

Download Persian Version:

<https://daneshyari.com/article/8746110>

[Daneshyari.com](https://daneshyari.com)