

## Accepted Manuscript

Title: Antigenic analysis of genetic variants of Canine distemper virus

Authors: Eman Anis, Amy L. Holford, Gina D. Galyon, Rebecca P. Wilkes



PII: S0378-1135(18)30147-0  
DOI: <https://doi.org/10.1016/j.vetmic.2018.03.014>  
Reference: VETMIC 7907

To appear in: *VETMIC*

Received date: 1-2-2018  
Revised date: 9-3-2018  
Accepted date: 13-3-2018

Please cite this article as: Anis E, Holford AL, Galyon GD, Wilkes RP, Antigenic analysis of genetic variants of Canine distemper virus, *Veterinary Microbiology* (2018), <https://doi.org/10.1016/j.vetmic.2018.03.014>

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.

## Antigenic analysis of genetic variants of Canine distemper virus

Eman Anis<sup>a,b</sup>, Amy L. Holford<sup>c</sup> Gina D. Galyon<sup>c</sup>, and Rebecca P. Wilkes<sup>a</sup>

<sup>a</sup> Tifton Veterinary Diagnostic and Investigational Laboratory, College of Veterinary Medicine, University of Georgia, 43 Brighton Rd, Tifton, Georgia 31793, USA.

<sup>b</sup>The Department of Virology, Faculty of Veterinary Medicine, University of Sadat, Sadat City, Egypt.

<sup>c</sup>Department of Small Animal Clinical Science, University of Tennessee North Dakota State University, Dept. 7691, P.O. Box 6050, Fargo, North Dakota 58105, USA.

E-mail addresses: eanis@uga.edu (Eman Anis), aholford@utk.edu (Amy L. Holford), ggalyon@utk.edu (Gina D. Galyon), beckpen@uga.edu (Rebecca P. Wilkes)

\*Address correspondence to Rebecca P Wilkes at Tifton Veterinary Diagnostic and Investigational Laboratory, College of Veterinary Medicine, University of Georgia, PO Box 1389, 43 Brighton Rd, Tifton, Georgia 31793, USA. E-mail beckpen@uga.edu. Phone: 1-229-386-3103; Fax: 1-229-386-7128.

### Highlights

- There are differences in serum neutralization titers among tested Canine distemper viruses.
- There are antigenic differences between America-1 vaccine strains and wild-type strains.
- Current vaccines may provide incomplete protection against wild-type strains.

Download English Version:

<https://daneshyari.com/en/article/8505356>

Download Persian Version:

<https://daneshyari.com/article/8505356>

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