

Accepted Manuscript

Title: A single point mutation on the cucumber mosaic virus surface induces an unexpected and strong interaction with the F1 complex of the ATP synthase in *Nicotiana clevelandii* plants



Authors: Ákos Gellért, Tímea Pósa, Attila Fábián, László Szabó, Károly Bóka, Barbara Forró, Katalin Salánki, László Drahos, Eszter Tóth, Angéla Juhász, Ervin Balázs

PII: S0168-1702(18)30092-3
DOI: <https://doi.org/10.1016/j.virusres.2018.05.005>
Reference: VIRUS 97397

To appear in: *Virus Research*

Received date: 12-2-2018
Revised date: 27-4-2018
Accepted date: 3-5-2018

Please cite this article as: Gellért Á, Pósa T, Fábián A, Szabó L, Bóka K, Forró B, Salánki K, Drahos L, Tóth E, Juhász A, Balázs E, A single point mutation on the cucumber mosaic virus surface induces an unexpected and strong interaction with the F1 complex of the ATP synthase in *Nicotiana clevelandii* plants, *Virus Research* (2018), <https://doi.org/10.1016/j.virusres.2018.05.005>

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.

A single point mutation on the cucumber mosaic virus surface induces an unexpected and strong interaction with the F1 complex of the ATP synthase in *Nicotiana clevelandii* plants

Ákos Gellért^{1*}, Tímea Pósa², Attila Fábián³, László Szabó⁴, Károly Bóka⁵, Barbara Forró¹, Katalin Salánki⁶, László Drahos⁷, Eszter Tóth⁷, Angéla Juhász³ and Ervin Balázs³

¹ Institute for Veterinary Medical Research, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest, Hungary

² Plant Protection Institute, Georgikon Faculty, Pannon University, Keszthely, Hungary

³ Agricultural Institute, Centre for Agricultural Research, Hungarian Academy of Sciences, Martonvásár, Hungary

⁴ Institute of Materials and Environmental Chemistry, Research Centre for Natural Sciences, Hungarian Academy of Sciences, Budapest, Hungary

⁵ Department of Plant Anatomy, Eötvös Loránd University, Budapest, Hungary

⁶ Plant Protection Institute, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest, Hungary

⁷ MS Proteomics Research Group, Research Centre for Natural Sciences, Hungarian Academy of Sciences, Budapest, Hungary

Corresponding author: Ákos Gellért

E-mail: gellert.akos@agrar.mta.hu

Tel: +36.1.467.40.60 ext. 167, Fax: +36.1.252.24.55

Keywords: Cucumber mosaic virus, ATP synthase, host-virus interaction, capsid protein, *Nicotiana clevelandii*

Word count:

Abstract: 236, Main text: 4604

Download English Version:

<https://daneshyari.com/en/article/8751774>

Download Persian Version:

<https://daneshyari.com/article/8751774>

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