

Accepted Manuscript

Cloning of cDNA sequences encoding cowpea (*Vigna unguiculata*) vicilins: Computational simulations suggest a binding mode of cowpea vicilins to chitin oligomers

Antônio J. Rocha, Bruno L. Sousa, Matheus S. Girão, Ito L. Barroso-Neto, José E. Monteiro-Júnior, José T.A. Oliveira, Celso S. Nagano, Rômulo F. Carneiro, Ana C.O. Monteiro-Moreira, Bruno A.M. Rocha, Valder N. Freire, Thalles B. Grangeiro



PII: S0141-8130(18)31246-7
DOI: doi:[10.1016/j.ijbiomac.2018.05.197](https://doi.org/10.1016/j.ijbiomac.2018.05.197)
Reference: BIOMAC 9802

To appear in:

Received date: 14 March 2018
Revised date: 25 May 2018
Accepted date: 26 May 2018

Please cite this article as: Antônio J. Rocha, Bruno L. Sousa, Matheus S. Girão, Ito L. Barroso-Neto, José E. Monteiro-Júnior, José T.A. Oliveira, Celso S. Nagano, Rômulo F. Carneiro, Ana C.O. Monteiro-Moreira, Bruno A.M. Rocha, Valder N. Freire, Thalles B. Grangeiro, Cloning of cDNA sequences encoding cowpea (*Vigna unguiculata*) vicilins: Computational simulations suggest a binding mode of cowpea vicilins to chitin oligomers. (2017), doi:[10.1016/j.ijbiomac.2018.05.197](https://doi.org/10.1016/j.ijbiomac.2018.05.197)

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.

**Cloning of cDNA sequences encoding cowpea (*Vigna unguiculata*)
vicilins: computational simulations suggest a binding mode of cowpea
vicilins to chitin oligomers**

Antônio J. Rocha^a, Bruno L. Sousa^b, Matheus S. Girão^a, Ito L. Barroso-Neto^c, José E. Monteiro-Júnior^d, José T. A. Oliveira^a, Celso S. Nagano^e, Rômulo F. Carneiro^e, Ana C. O. Monteiro-Moreira^f, Bruno A. M. Rocha^a, Valder N. Freire^g, Thalles B. Grangeiro^{d,*}

^a Departamento de Bioquímica e Biologia Molecular, Universidade Federal do Ceará (UFC), Fortaleza, CE, 60440-900, Brazil

^b Faculdade de Filosofia Dom Aureliano Matos, Universidade Estadual do Ceará, Av. Dom Aureliano Matos, 2060, Limoeiro do Norte, CE, 62930-000, Brazil

^c Departamento de Química Analítica e Físico-química, UFC, Fortaleza, CE, 60455-760, Brazil

^d Departamento de Biologia, UFC, Fortaleza, CE, 60440-900, Brazil

^e Departamento de Engenharia de Pesa, UFC, Fortaleza, CE, 60440-900, Brazil

^f Núcleo de Biologia Experimental, Universidade de Fortaleza, Fortaleza, CE, 60811-905, Brazil

^g Departamento de Física, UFC, Fortaleza, CE, 60440-760, Brazil

*To whom all correspondence should be addressed

Departamento de Biologia, Centro de Ciências, Universidade Federal do Ceará, Campus do Pici, Fortaleza-CE, 60440-900, Brazil

E-mail: tbgrangeiro@gmail.com

Download English Version:

<https://daneshyari.com/en/article/8327010>

Download Persian Version:

<https://daneshyari.com/article/8327010>

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