

Accepted Manuscript

Functional and structural insights into candidate genes associated with nitrogen and phosphorus nutrition in wheat (*Triticum aestivum* L.)

Anuj Kumar, Mansi Sharma, Sanjay Kumar, Pankaj Tyagi, Shabir Hussain Wani, M.N.V. Prasad Gajula, Krishna Pal Singh



PII: S0141-8130(18)31114-0

DOI: doi:[10.1016/j.ijbiomac.2018.06.009](https://doi.org/10.1016/j.ijbiomac.2018.06.009)

Reference: BIOMAC 9849

To appear in: *International Journal of Biological Macromolecules*

Received date: 8 March 2018

Revised date: 1 June 2018

Accepted date: 2 June 2018

Please cite this article as: Anuj Kumar, Mansi Sharma, Sanjay Kumar, Pankaj Tyagi, Shabir Hussain Wani, M.N.V. Prasad Gajula, Krishna Pal Singh, Functional and structural insights into candidate genes associated with nitrogen and phosphorus nutrition in wheat (*Triticum aestivum* L.). *Biomac* (2017), doi:[10.1016/j.ijbiomac.2018.06.009](https://doi.org/10.1016/j.ijbiomac.2018.06.009)

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.

Functional and structural insights into candidate genes associated with nitrogen and phosphorus nutrition in wheat (*Triticum aestivum* L.)

Anuj Kumar¹, Mansi Sharma¹, Sanjay Kumar², Pankaj Tyagi³, Shabir Hussain Wani^{4,5}, MNV Prasad Gajula⁶, Krishna Pal Singh^{1, 7, 8*}

¹Advanced Centre for Computational and Applied Biotechnology, Uttarakhand Council for Biotechnology, Dehradun-248007, India, <https://orcid.org/0000-0002-5023-7618>

²Bioinformatics Centre, Biotech Park, Lucknow-226021, India

³Meerut Institute of Engineering and Technology, Meerut-250005, India

⁴Mountain Research for Field Crops, Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir, Khudwani, Anantnag, Jammu and Kashmir-192101, India, orcid.org/0000-0002-7456-4090

⁵Department of Plant Soil and Microbial Sciences, Michigan State University, East Lansing, MI, USA

⁶Institute of Biotechnology, Professor Jayashankar Telangana State Agricultural University, Rajendra Nagar, Hyderabad-500030, India

⁷Department of Molecular Biology, Biotechnology & Bioinformatics, College of Basic Sciences and Humanities, CCS Haryana Agricultural University, Hisar, Haryana-125004, India

⁸Bio-Nanotechnology and Nanobiosensor Research Laboratory, Biophysics Unit, CBSH, G.B. Pant University of Agriculture & Technology, U.S. Nagar, Pantnagar, Uttarakhand-263145, India

*Correspondence: Krishna Pal Singh (kps_biophysics@yahoo.co.in)

Download English Version:

<https://daneshyari.com/en/article/8326705>

Download Persian Version:

<https://daneshyari.com/article/8326705>

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