Relevant Publications (Machine Learning for Genomic Networks; Pattern Finding)

1. "Network Walking charts transcriptional dynamics of nitrogen signaling by integrating validated and predicted genome-wide interactions" by Matthew Brooks, Jacopo Cirrone, Angelo Pasquino, Jose Alvarez, Joseph Swift, Shipra Mittal, Che-Lun Juang, Kranthi Varala, Rodrigo Gutierrez, Gabriel Krouk, Dennis Shasha, and Gloria Coruzzi [Paper NCOMMS-18-23259B]

NATURE COMMUNICATIONS(2019) 10:1569

https://doi.org/10.1038/s41467-019-09522

April 5, 2019

2. "Fast methods for finding significant motifs on

labelled multi-relational networks"

Giovanni Micale, Alfredo Pulvirenti, Alfredo Ferro, Rosalba Giugno,

Dennis Shasha

Journal of Complex Networks, cnz008, https://doi.org/10.1093/comnet/cnz008

13 March 2019

3. Temporal transcriptional logic of dynamic regulatory networks underlying nitrogen signaling and use in plants

Kranthi Varala, Amy Marshall-Colón, Jacopo Cirrone, Matthew D. Brooks, Angelo V. Pasquino, Sophie Léran, Shipra Mittal, Tara M. Rock, Molly B. Edwards, Grace J. Kim, Sandrine Ruffel, W. Richard McCombie, Dennis Shasha, and Gloria M. Coruzzi

PNAS June 19, 2018 115 (25) 6494-6499

https://doi.org/10.1073/pnas.1721487115

4. [this was number 5 before] ``Negative Example Selection for Protein Function Prediction: The NoGO Database'' Noah Youngs, Duncan Penfold-Brown, Richard Bonneau, Dennis Shasha

PLOS Computational Biology,

June 12, 2014DOI: 10.1371/journal.pcbi.1003644

[http://www.ploscompbiol.org/article/info:doi/10.1371/journal.pcbi.1003644](http://www.ploscompbiol.org/article/info%3Adoi/10.1371/journal.pcbi.1003644)

Other Publications [as you have currently]