Flux balance analysis of photoautotrophic metabolism: Uncovering new biological details of subsystems involved in cyanobacterial photosynthesis

Xiao Qian, Min Kyung Kim, G. Kenchappa Kumaraswamy, Ananya Agarwal, Desmond S. Lun, G. Charles Dismukes

PII: S0005-2728(16)30690-9
DOI: doi:10.1016/j.bbabio.2016.12.007
Reference: BBABIO 47762

To appear in: *BBA - Bioenergetics*

Received date: 11 September 2016
Revised date: 3 December 2016
Accepted date: 20 December 2016

Please cite this article as: Xiao Qian, Min Kyung Kim, G. Kenchappa Kumaraswamy, Ananya Agarwal, Desmond S. Lun, G. Charles Dismukes, Flux balance analysis of photoautotrophic metabolism: Uncovering new biological details of subsystems involved in cyanobacterial photosynthesis, *BBA - Bioenergetics* (2016), doi:10.1016/j.bbabio.2016.12.007

Flux balance analysis of photoautotrophic metabolism: Uncovering new biological details of subsystems involved in cyanobacterial photosynthesis

Xiao Qian[1], Min Kyung Kim[2], G. Kenchappa Kumaraswamy[2], Ananya Agarwal[3], Desmond S. Lun[2,5,6,7*], & G. Charles Dismukes[1,4*]

[1]Waksman Institute, Rutgers University, New Brunswick, NJ 08901, USA.

[2]Center for Computational and Integrative Biology, Rutgers University, Camden, NJ 08102, USA.

[3]Department of Marine Science, Rutgers University, New Brunswick, NJ 08901, USA

[4]Department of Chemistry& Chemical Biology, Rutgers University, Piscataway, NJ 08854, USA

[5]Department of Computer Science, Rutgers University, Camden, NJ 08102, USA

[6]Department of Plant Biology and Pathology, Rutgers University, New Brunswick, NJ 08901, USA

[7]School of Information Technology and Mathematical Sciences, University of South Australia, Mawson Lakes, SA 5095, Australia

[*]Corresponding author

xiaoqian@waksman.rutgers.edu

mk1034@rutgers.edu

kumargk@waksman.rutgers.edu