

Accepted Manuscript

Glycolysis is important for optimal asexual growth and formation of mature tissue cysts by *Toxoplasma gondii*

Anurag Shukla, Kellen L. Olszewski, Manuel Llinás, Leah M. Rommereim, Barbara A. Fox, David J. Bzik, Dong Xia, Jonathan Wastling, Daniel Beiting, David S. Roos, Dhanasekaran Shanmugam

PII: S0020-7519(18)30190-5
DOI: <https://doi.org/10.1016/j.ijpara.2018.05.013>
Reference: PARA 4092

To appear in: *International Journal for Parasitology*

Received Date: 20 March 2018
Revised Date: 28 May 2018
Accepted Date: 31 May 2018

Please cite this article as: Shukla, A., Olszewski, K.L., Llinás, M., Rommereim, L.M., Fox, B.A., Bzik, D.J., Xia, D., Wastling, J., Beiting, D., Roos, D.S., Shanmugam, D., Glycolysis is important for optimal asexual growth and formation of mature tissue cysts by *Toxoplasma gondii*, *International Journal for Parasitology* (2018), doi: <https://doi.org/10.1016/j.ijpara.2018.05.013>

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.



Glycolysis is important for optimal asexual growth and formation of mature tissue cysts by *Toxoplasma gondii*

Anurag Shukla^a, Kellen L. Olszewski^b, Manuel Llinás^c, Leah M. Rommereim^{d,i}, Barbara A. Fox^d, David J. Bzik^d, Dong Xia^e, Jonathan Wastling^f, Daniel Beiting^g, David S. Roos^{h,*}, Dhanasekaran Shanmugam^{a,*}.

^a*Biochemical Sciences Division, CSIR-National Chemical Laboratory, Pune, India*

^b*Department of Metabolomics, Kadmon Corporation, New York, USA*

^c*Department of Biochemistry and Molecular Biology and Department of Chemistry, Huck Center for Malaria Research, The Pennsylvania State University, W126 Millennium Science Complex, University Park, Pennsylvania, USA*

^d*Department of Microbiology and Immunology, Geisel School of Medicine at Dartmouth, Lebanon, New Hampshire, USA*

^e*The Royal Veterinary College, London, UK, NW1 0TU*

^f*Faculty of Natural Sciences, Keele University, Keele, Staffordshire, UK, ST5 5BG*

^g*School of Veterinary Medicine, Dept. of Pathobiology, University of Pennsylvania, Philadelphia, Pennsylvania, USA*

^h*Department of Biology and Penn Genome Frontiers Institute, University of Pennsylvania, Philadelphia, Pennsylvania, USA*

ⁱ*Present address: Institute for Systems Biology, Seattle, WA, USA*

*Corresponding authors.

E-mail addresses: d.roos@sas.upenn.edu (); d.shanmugam@ncl.res.in ()

Note: Supplementary data associated with this article

Download English Version:

<https://daneshyari.com/en/article/11009698>

Download Persian Version:

<https://daneshyari.com/article/11009698>

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