***MB&B***

Yale University

***260/266 Whitney Avenue***

***PO Box 208114***

***New Haven, CT 06520-8114***

***Phone: 1-203-432-6105
Fax: 1-360-838-7861***

***Mark.Gerstein@yale.edu***

***http://www.gersteinlab.org***

Editor

PLOS Computational Biology

April 6, 2016

Re: DREISS: Using state-space models to infer the dynamics of gene expression driven by external and internal regulatory networks

Dear Editor,

We hereby submit our revised manuscript entitled “DREISS: Using state-space models to infer the dynamics of gene expression driven by external and internal regulatory networks” by Wang et al.

We want to acknowledge the efforts of the editorial team and four reviewers in the reviewing process. We have incorporated all comments from reviewers, and enclosed a revised manuscript along with a separate point-by-point response. In addition, we have fixed an issue in the dynamic equation for ePDPs, which was raised by Reviewer 2. This change only affects ePDPs and does not impact our biological results, which are mainly comparisons of the internal dynamic patterns during embryonic development between worm and fly.

Thank you for giving us the opportunity for revising our manuscript. We are looking forward to hearing from you.

 Yours faithfully,

 Mark Gerstein

 Albert L. Williams Professor

 of Biomedical Informatics