


Kullback–Leibler Divergence of an Open-Queuing Network of a Cell-Signal-Transduction Cascade

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Abstract: The additional data that should have been shown in the article is provided.

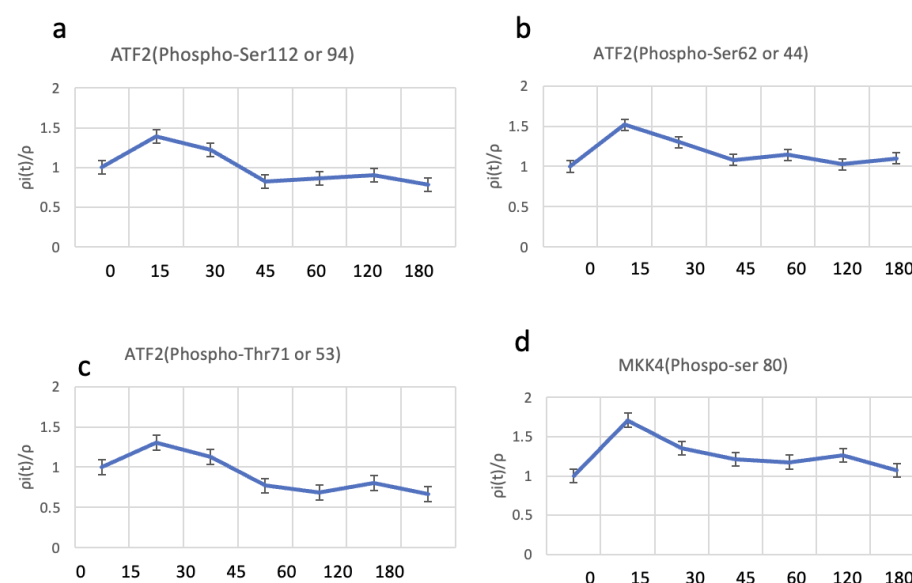
1. Summary

This supplementary figure 1 presents the additional phosphorylation data for signaling molecules of the ASK1–MKK4–JNK–HSF1 cascade. There are no additional data on p38 kinase and MKK3 phosphorylation other than the data presented in the text. EGFR stimulation experiments under the same conditions showed values similar to those shown in the text, regardless of the type of phosphorylated amino acid residue. The additional supported the conclusion of KLD rate conservation.

2. Data Description

2.1. Time course of phosphorylation of signaling molecules

The vertical axis indicates $\rho_i(t)/\rho_i$, and the horizontal axis shows the time course (min) after the EGF stimulation of the cell. The error value indicates the standard error. The measurements were carried out four times. The mean of KLD rates in (a), (b), (c), and (d) were 3.52, 3.06, 2.79, and 3.43.



Supplementary Figure S1. The vertical axis indicates $\rho_i(t)/\rho_i$, and the horizontal axis shows the time course after the EGF stimulation of the A431 cell. The error value indicates the standard error. The measurements were carried out four times. The mean of KLD rate in (a), (b), (c), and (d) were 3.52, 3.06, 2.79, and 3.43.

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References

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