

The kinetics of Interferon- γ induced RNA flow

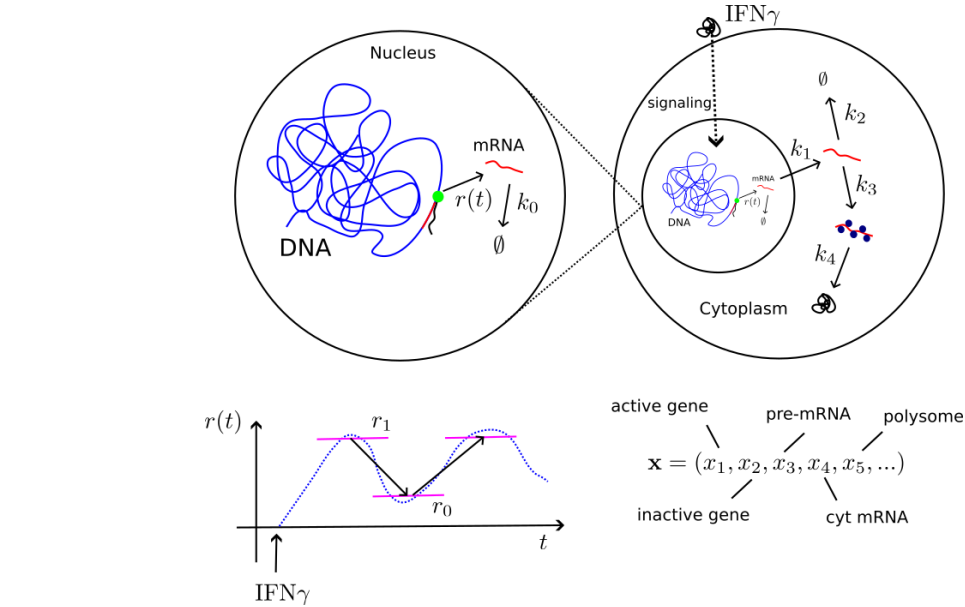
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Summary

- ▶ Recap of the compartment model for RNA flow
- ▶ Gene selection based on RNA flow
- ▶ Brief comments on probe design

A model for RNA Flow



RNA Flow: parameter inference

The principle of Interferon- γ induced transcriptional memory

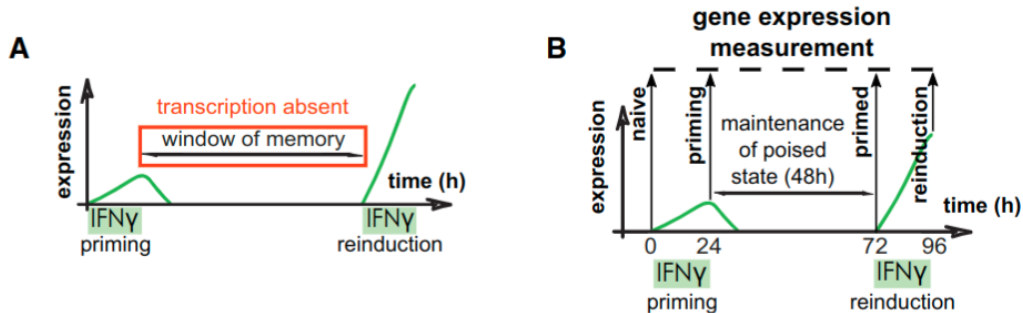
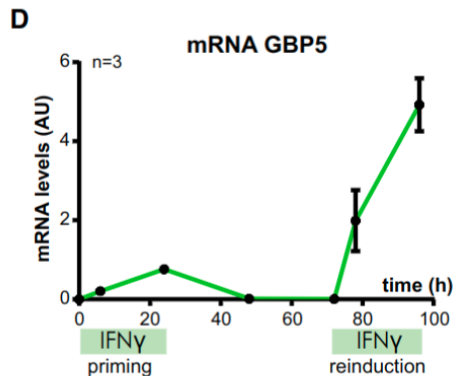
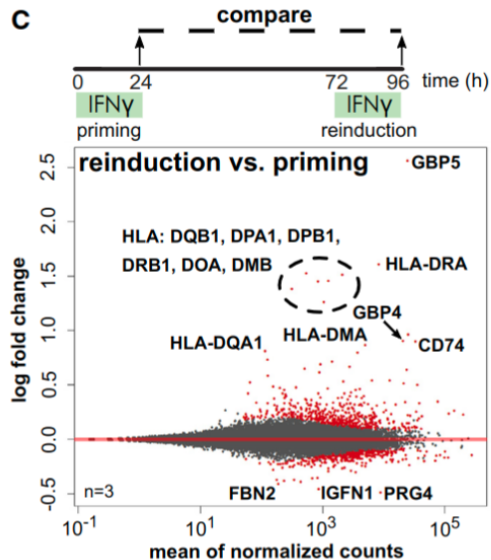


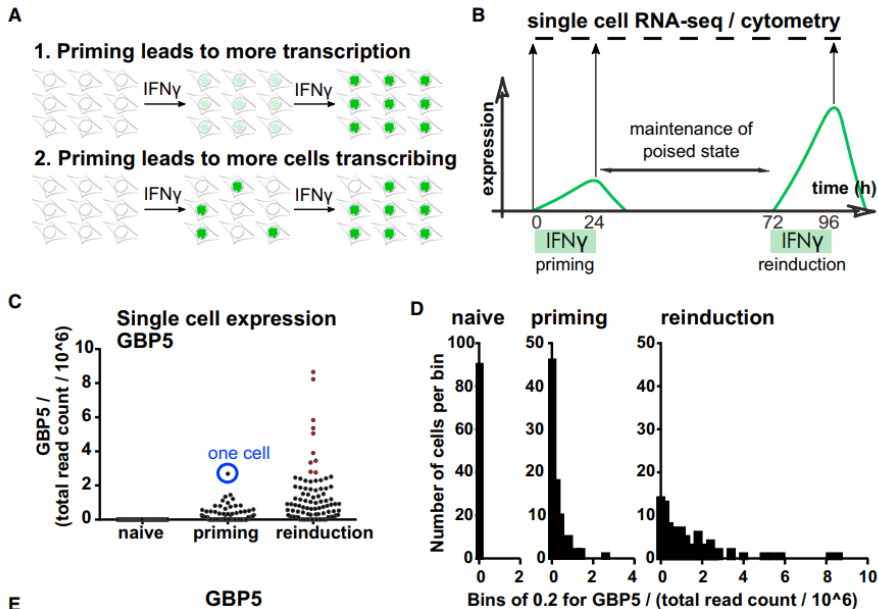
Figure 1

Siwek et al. *Activation of Clustered IFN γ Target Genes Drives Cohesin-Controlled Transcriptional Memory*. Molecular Cell 2020

Total RNA-seq identifies GBP5 as a memorized gene



Single-cell RNA-seq identifies GBP5 as a memorized gene



BLASTing probes for GPB5 and CD274

