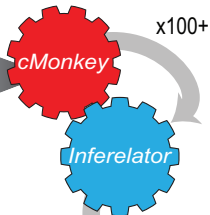


## A Data

Functional associations  
Genome sequence  
Compendium of transcriptome profiles  
*block subsets*  
Expt. meta-data

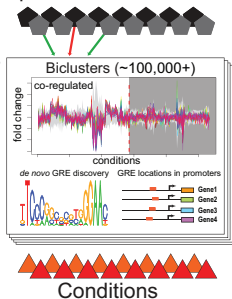
## B Network Inference Algorithms



## C Ensemble of EGRIN Models

Transcription/ Environmental Regulators

Genes

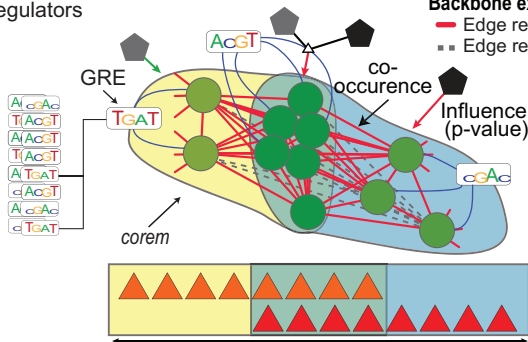


Conditions

## D Ensemble Postprocessing: EGRIN 2.0

Backbone extraction

— Edge retained  
- - Edge removed



Conditions in which genes within a corem are co-regulated

	Genes	Conditions	Runs	Biclusters	Corems	Genes	GREs	genes/ corem	conditons/ corem	GREs/ corem
Hal	2,674	1,495	572	142,600	679	1,363	137	3-377	21-1279	0-9
Eco	4,497	868	106	46,420	590	1,572	368	3-153	69-598	0-12