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September 26th, 2019 - he emphasizes the role of cis regulatory sequences in genes and the structure of the systems that regulate gene expression in development and evolution in some detail it bees clear how minor mutations in the regulatory part of a gene can transform how it is expressed and why the importance for evolution in mutations in gene expression is clearly much greater than for mutations in the'
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May 28th, 2020 - the synthesis of gene expression data and cis regulatory analysis

permits the elucidation of genomic regulatory networks these networks provide a direct visualization of the functional interconnections among the regulatory genes and signaling ponents leading to cell specific patterns of gene activity plex developmental processes are thereby illuminated in ways not revealed by the''genomic regulatory systems development and evolution
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May 15th, 2020 - the steadily increasing number of prokaryotic genomes has accelerated the study of genome evolution in particular the availability of sets of genomes from closely related bacteria has facilitated the exploration of the mechanisms underlying genome plasticity the family vibrionaceae is found in the gammaproteobacteria and is abundant in aquatic environments''**evolutionary changes in cis and trans gene regulation nature**
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