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Articles selected by Faculty *of* **1000**: muscle differentiation regulatory network; the rules of transcriptional regulation; rapid exprimental determination of DNA-binding protein motifs; polymerase poised and ready to go; bacterial tree accounting for lateral transfer

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Summary

A selection of evaluations from Faculty *of* **1000** a covering muscle differentiation regulatory network; the rules of transcriptional regulation; rapid exprimental determination of DNA-binding protein motifs; polymerase poised and ready to go; bacterial tree accounting for lateral transfer.

Muscle differentiation regulatory network

An initial blueprint for myogenic differentiation. Blais A, Tsikitis M, Acosta-Alvear D, Sharan R, Kluger Y, Dynlacht BD. *Genes Dev* 2005, **19:**553-569.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2005-6-6-327.asp#Blais

The rules of transcriptional regulation

***Cis* -regulatory logic of short-range transcriptional repression in *Drosophila melanogaster* .** Kulkarni MM, Arnosti DN. *Mol Cell Biol* 2005, **25:**3411-3420.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2005-6-6-327.asp#Kulkarni

Rapid exprimental determination of DNA-binding protein motifs

DIP-chip: rapid and accurate determination of DNA-binding specificity. Liu X, Noll DM, Lieb JD, Clarke ND. *Genome Res* 2005, **15:**421-427.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2005-6-6-327.asp#Liu

Polymerase poised and ready to go

Genome-wide analyses reveal RNA polymerase II located upstream of genes poised for rapid response upon *S. cerevisiae* stationary phase exit. Radonjic M, Andrau JC, Lijnzaad P, Kemmeren P, Kockelkorn TT, van Leenen D, van Berkum NL, Holstege FC. *Mol Cell* 2005, **18:**171-183.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2005-6-6-327.asp#Radonjic

Bacterial tree accounting for lateral transfer

Evolutionary origins of genomic repertoires in bacteria. Lerat E, Daubin V, Ochman H, Moran NA. *PLoS Biol* 2005, **3:**e130.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2005-6-6-327.asp#Lerat