Articles selected by Faculty *of* **1000**: identifying antigens involved in autoimmune response; statistics in genomics; mouse full-length cDNA encylopedia; screen for *Drosophila* neural development genes; proteome of SARS-coronavirus

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Summary

A selection of evaluations from Faculty *of* **1000** covering the identification of antigens involved in an autoimmune reseponse, the difference between false positive and false discovery rate, a mouse full-length cDNA encylopedia, analysis of bristle number in *Drosophila* mutants to identify neural development genes and an analysis of the proteome of SARS-coronavirus.

Identifying antigens involved in autoimmune response

Protein microarrays guide tolerizing DNA vaccine treatment of autoimmune encephalomyelitis. Robinson WH, Fontoura P, Lee BJ, De Vegvar HE, Tom J, Pedotti R, DiGennaro CD, Mitchell DJ, Fong D, Ho PP, *et al*. *Nat Biotechnol* 2003, Aug 10.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2003-4-10-343.asp#Robinson

Statistics in genomics

Statistical significance for genomewide studies. Storey JD, Tibshirani R. *Proc Natl Acad Sci U S A* 2003, **100:**9440-9445.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2003-4-10-343.asp#Storey

Mouse full-length cDNA encylopedia

Targeting a complex transcriptome: the construction of the mouse full-length cDNA encyclopedia. Carninci P, Waki K, Shiraki T, Konno H, Shibata K, Itoh M, Aizawa K, Arakawa T, Ishii Y, Sasaki D, *et al*. *Genome Res* 2003, **13:**1273-1289.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2003-4-10-343.asp#Carninci

Screen for *Drosophila* neural development genes

Quantitative analysis of bristle number in *Drosophila* mutants identifies genes involved in neural development. Norga KK, Gurganus MC, Dilda CL, Yamamoto A, Lyman RF, Patel PH, Rubin GM, Hoskins RA, Mackay TF, Bellen HJ. *Curr Biol* 2003, **13:**1388-1396.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2003-4-10-343.asp#Norga

Proteome of SARS-coronavirus

Unique and conserved features of genome and proteome of SARS-coronavirus, an early split-off from the coronavirus group 2 lineage. Snijder EJ, Bredenbeek PJ, Dobbe JC, Thiel V, Ziebuhr J, Poon LL, Guan Y, Rozanov M, Spaan WJ, Gorbalenya AE. *J Mol Biol* 2003, **331:**991-1004.

For the Faculty of 1000 evaluation of this article please see: http://genomebiology.com/reports/F1000/gb-2003-4-10-343.asp#Snijder

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