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Articles selected by Faculty *of 1000*: the quantification of proteins and phosphoproteins; haplotype structure in *Arabidopsis*; genomewide analysis of small interfering RNAs; screening newborns for inborn errors of metabolism; and profiling vaccinia virus infection of human HeLa cells

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Summary

A selection of evaluations from Faculty of **1000** covering the quantification of proteins and phosphoproteins, haplotype structure in *Arabidopsis*, genomewide analysis of small interfering RNAs, screening newborns for inborn errors of metabolism; and profiling vaccinia virus infection of human HeLa cells.

Quantification phosphoproteomics

Absolute quantification of proteins and phosphoproteins from cell lysates by tandem MS.

Gerber SA, Rush J, Stemman O, Kirschner MW, Gygi SP. *Proc Natl Acad Sci USA* 2003, **100**:6940-6945.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-7-330.asp#Gerber>

Arabidopsis haplotypes

Subdivision and haplotype structure in natural populations of *Arabidopsis lyrata* .

Wright SI, Lauga B, Charlesworth D. *Mol Ecol* 2003, **12**:1247-1263.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-7-330.asp#Wright>

Genomewide analysis of siRNAs

Genomewide view of gene silencing by small interfering RNAs. Chi JT, Chang HY, Wang NN, Chang DS, Dunphy N, Brown PO. *Proc Natl Acad Sci USA* 2003, **100**:6343-6346.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-7-330.asp#Chi>

Perinatal metabolomics

Screening newborns for inborn errors of metabolism by tandem mass spectrometry. Wilcken B, Wiley V, Hammond J, Carpenter K. *N Engl J Med* 2003, **348**:2304-2312.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-7-330.asp#Wilcken>

Profiling the response to vaccinia virus

Cellular gene expression survey of vaccinia virus infection of human HeLa cells. Guerra S, López-Fernández LA, Pascual-Montano A, Muñoz M, Harshman K, Esteban M. *J Virol* 2003, **77**:6493-6506.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2003-4-7-330.asp#Guerra>