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microRNA-target interactions

A selection of evaluations from Faculty of 1000 covering microRNA-target interactions; hominid gene control regions; pre-mRNA splicing; gene silencing during pathogenesis; multiple use of microarrays.

Architecture of a validated microRNA::target interaction. Vella MC, Reinert K, Slack FJ. *Chem Biol* 2004, **11**:1619-1623.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-3-314.asp#Vella>

Hominid gene control regions

Evidence for widespread degradation of gene control regions in hominid genomes. Keightley PD, Lercher MJ, Eyre-Walker A. *PLoS Biol* 2005, **3**:e42.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-3-314.asp#Keightley>

Pre-mRNA splicing

Small molecule control of pre-mRNA splicing. Graveley BR. *RNA* 2005, January 20.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-3-314.asp#Graveley>

Gene silencing during pathogenesis

***Trypanosoma brucei* RNA interference in the mammalian host.** Lecordier L, Walgraffe D, Devaux S, Poelvoorde P, Pays E, Vanhamme L. *Mol Biochem Parasitol* 2005, **142**:127-131.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-3-314.asp#Lecordier>

Multiple use of microarrays

Simultaneous genotyping, gene-expression measurement, and detection of allele-specific expression with oligonucleotide arrays. Ronald J, Akey JM, Whittle J, Smith EN, Yvert G, Kruglyak L. *Genome Res* 2005, **15**:284-291.

For the Faculty of 1000 evaluation of this article please see: <http://genomebiology.com/reports/F1000/gb-2005-6-3-314.asp#Ronald>