

REFERENCES

Arnaud, P., Monk, D., Hitchins, M., Gordon, E., Dean, W., Beechey, C.V., Peters, J., Craigen, W., Preece, M., Stanier, P., Moore, G.E., and Kelsey, G. (2003). "Conserved methylation imprints in the human and mouse GRB10 genes with divergent allelic expression suggests differential reading of the same mark." *Hum Mol Genet* 12: 1005-1019.

Down, T.A. and Hubbard, T.J. (2002). "Computational detection and location of transcription start sites in mammalian genomic DNA." *Genome Res.* 12: 458-461.

Bourc'his, D., Xu, G.L., Lin, C.S., Bollman, B. and Bestor, T.H. (2001). "Dnmt3L and the establishment of maternal genomic imprints." *Science* 294: 2536-2539.

Bird, A.P. (1986). "CpG-rich islands and the function of DNA methylation." *Nature* 321: 209-213.

Bird, A.P. (2002). "DNA methylation patterns and epigenetic memory." *Genes Dev* 16: 6-21.

de la Puente, A., Hall, J., Wu, Y.Z., Leone, G., Peters, J., Yoon, B.J., Soloway, P., and Plass, C. (2002). "Structural characterization of Rasgrf1 and a novel linked imprinted locus." *Gene* 291: 287-297.

Gardiner-Garden, M. and Frommer, M. (1987). "CpG islands in vertebrate genomes." *J Mol Biol* 196: 261-282.

Greally, J.M. (2002) "Short interspersed transposable elements (SINEs) are excluded from imprinted regions in the human genome." *PNAS* 99: 327-332.

- Ehrlich, M. (2003). "Expression of various genes is controlled by DNA methylation during mammalian development." *J Cell Biochem* 88: 899-910.
- Hikichi, T., Kohda, T., Kaneko-Ishino, T., and Ishino, F. (2003). "Imprinting regulation of the murine *Meg1/Grb10* and human *GRB10* genes; roles of brain-specific promoters and mouse-specific CTCF-binding sites." *Nucleic Acids Res* 31: 1398-1406.
- Ioshikhes, I.P. and Zhang, M.Q. (2000). "Large-scale human promoter mapping using CpG islands." *Nat Genet* 26: 61-63.
- Ke, X., Thomas, N.S., Robinson, D.O., and Collins, A. (2002) "A novel approach for identifying candidate imprinted genes through sequence analysis of imprinted and control genes." *Hum Genet* 111: 511-520.
- Kim, J., Kollhoff, A., Bergmann, A, and Stubbs, L. (2003). "Methylation-sensitive binding of transcription factor YY1 to an insulator sequence within the paternally expressed gene, *Peg3*." *Hum Mol Genet* 12: 233-245.
- Lee, J.T. (2003). "Molecular links between X-inactivation and autosomal imprinting: X-inactivation as a driving force for the evolution of imprinting?" *Current Biology* 13: R242-254.
- Li, E., Beard, C. and Jaenisch, R. (1993). "Role for DNA methylation in genomic imprinting." *Nature* 366: 362-365.
- Nikaido, I., Saito, C., Mizuno, Y., Meguro, M., Bono, H., Kadomura, M., Kono, T., Morris, G.A., Lyons, P.A., Oshimura, M., RIKEN GER Group and GSL Members, Hayashizaki, Y., and Okazaki, Y. (2003). "Discovery of imprinted transcripts in the mouse transcriptome using large-scale expression profiling." *Genome Res* 13: 1402-1409.

Ohlsson, R., Renkawitz, R. and Lobanenkov, V. (2001). "CTCF is a uniquely versatile transcription regulator linked to epigenetics and disease." *Trends Genet* 17: 520-527.

Okamura, K., Hagiwara-Takeuchi, Y., Li, T., Vu, T.H., Hirai, M., Hattori, M., Sakaki, Y., Hoffman, A.R. and Ito, T. (2000). "Comparative genome analysis of the mouse imprinted gene *Impact* and its nonimprinted human homolog *IMPACT*: toward the structural basis for species-specific imprinting." *Genome Res* 10: 1878-1889.

Okita, C., Meguro, M., Hoshiya, H., Haruta, M., Sakamoto, Y.K., and Oshimura, M. (2003). "A new imprinted cluster on human chromosome 7q21-q31, identified by mouse-human monochromosomal hybrids." *Genomics* 81: 556-559.

Paulsen, M., Takada, S., Youngson, N.A., Benchaib, M., Charlier, C., Segers, K., Georges, M., and Ferguson-Smith, A.C. (2001). "Comparative sequence analysis of the imprinted *Dlk1-Glt2* locus in three mammalian species reveals highly conserved genomic elements and refines comparison with the *Igf2-H19* region." *Genome Res* 11: 2085-2094.

Ponger, L., Duret, L., and Mouchiroud, D. (2001). "Determinants of CpG islands: expression in early embryo and isochore structure." *Genome Res* 11: 1854-1860.

Reik, W and Walter, J. (2001). "Genomic imprinting: parental influence on the genome." *Nat Rev Genet* 2: 21-32.

Sandell, L.L., Guan, X.J., Ingram, R. and Tilghman, S.M. (2003). "Gatm, a creatine synthesis enzyme, is imprinted in mouse placenta." *PNAS* 100: 4622-27.

Schoenherr, C.J., Levorse, J.M., and Tilghman, S.M. (2003). "CTCF maintains differential methylation at the *Igf2/H19* locus." *Nat Genet* 33: 66-69.