

Corrigendum

How Stat1 mediates constitutive gene expression: a complex of unphosphorylated Stat1 and IRF1 supports transcription of the LMP2 gene

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On page 4121 (Materials and methods), the subsection 'ChIP assay' should read as follows:

DNA-bound proteins were cross-linked *in vivo* essentially as described by Orlando *et al.* (1997). Briefly, cells were treated with one-tenth volume of 11% formaldehyde per volume of medium and lysed by sonication. Chromatin was recovered by isopycnic centrifugation in a continuous CsCl gradient (1.42 g/l). Aliquots were collected from the gradient and analyzed for the presence of chromatin of ~0.6–1.0 kb. These fractions were pooled and the chromatin was purified by dialysis. DNA-bound Stat1 and IRF1 were immunoprecipitated. Cross-links were then reversed at 65°C and the co-immunoprecipitated DNA was purified by a single step phenol–chloroform/isoamyl alcohol extraction. Purified DNA was amplified in PCR using primers for the LMP2 ICS/GAS region and for the IRF1 GAS region. The following primers were used: (i) LMP2 prom (F), GACGAGGGCTCTAAGAGTCTA and LMP2 prom (R2), GTGGATCTCGATCGGTAA-CCG; (ii) IRF1 prom (F), CACCTAACCCCTCGCG-AGCCCC and IRF1 prom (R), CTAAGCCGACCA-GCGCGCGCT. PCR conditions were as follows: 94°C for 5 min, followed by 35 cycles of 94°C for 1 min, 58°C for 2 min, 72°C for 3 min, followed by an additional extension time of 15 min at 72°C and a soak cycle at 4°C. PCR products were analyzed in 1% agarose gels. The expected size of the amplified product for the LMP2 ICS-2/GAS region was 280 bp and for the IRF1 GAS region was 450 bp.

Retraction

Transcription-dependent R-loop formation at mammalian class switch sequences

Robert B.Tracey and Michael R.Lieber

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In the course of our carrying out experiments that were a direct extension of our recent *EMBO J.* paper on R-loop structures at class switch sequences (Tracey and Lieber, 2000), we discovered differences from those in the paper. The first author of that study (R.B.Tracey) has now admitted to making alterations in gel images that misrepresented the data. For this reason, the entire paper is being retracted. I am deeply regretful for any scientific misconceptions that may have resulted from this publication.

Michael Lieber

Please note that the following related paper is also being retracted for the same reason:

Tracey,R.B., Hsieh,C.-L. and Lieber,M.R. (2000) Stable RNA/DNA hybrids in the mammalian genome: inducible intermediates in immunoglobulin class switch recombination. *Science*, **288**, 1058–1061.