

Erratum

Genome Research 20: 1052–1063 (2010)

A global role for KLF1 in erythropoiesis revealed by ChIP-seq in primary erythroid cells

Michael R. Tallack, Tom Whittington, Wai Shan Yuen, Elanor N. Wainwright, Janelle R. Keys, Brooke B. Gardiner, Ehsan Nourbakhsh, Nicole Cloonan, Sean M. Grimmond, Timothy L. Bailey, and Andrew C. Perkins

The authors recently have been made aware by colleagues Jim Hughes and Doug Higgs of an error in Figure 2, which reports occupancy of KLF1 at the mouse alpha-globin locus (Fig. 2A). The authors' strategy for mapping KLF1 ChIP-seq sequencing tags to the mm9 genome only when they are found to be unique has aberrantly eliminated the potential to observe occupancy at the *Hba-a1* and *Hba-a2* genes, which are identical and have arisen from gene duplication. Below is an alternate version of Figure 2 in which mapping has been corrected to allow occupancy to be observed at these genes. It becomes obvious that KLF1 occupies not only the DNase I hypersensitive sites, but also the promoters of *Hba-a1* and *Hba-a2*. The authors thank Jim Hughes in particular for providing them with the data to correct this figure. The legend for this figure remains unchanged.

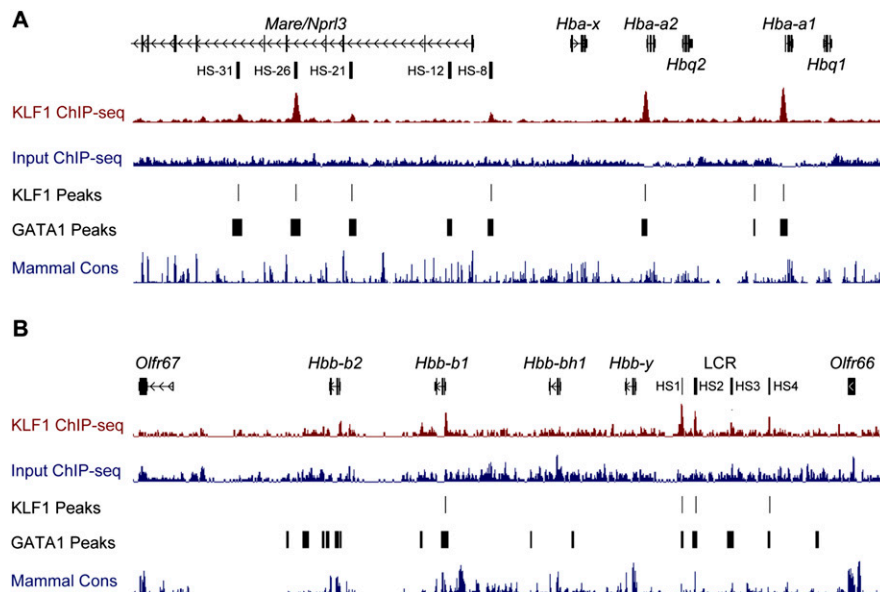


Figure 2. KLF1 binds the mouse alpha- and beta-globin loci at proximal promoters and locus control regions. (A) An image of the murine alpha-globin gene cluster and the upstream locus control region regulatory element (HS-31 to HS-8) from the UCSC Genome Browser. Genes and DNase I hypersensitivity (HS) sites are represented in the *top* track. KLF1 ChIP-seq signal (maroon) and Input ChIP-seq signal (blue) tracks are also shown together with KLF1 peak calls (KLF1 Peaks). An additional track describing GATA1 ChIP-seq peak calls from Cheng et al. (2009) is shown (GATA1 Peaks) together with a mammalian conservation track (Mammal Cons). (B) An image of the murine beta-globin gene cluster and locus control region flanked by olfactory receptor genes from the UCSC Genome Browser. Genes and DNase I HS sites are represented in the *top* track. Other tracks are presented as for A.



Erratum

Genome Res. 2010 20: 1748

Related Content **A global role for KLF1 in erythropoiesis revealed by ChIP-seq in primary erythroid cells**

Michael R. Tallack, Tom Whittington, Wai Shan Yuen, et al.
[Genome Res. August , 2010 20: 1052-1063](#)

License

Email Alerting Service

Receive free email alerts when new articles cite this article - sign up in the box at the top right corner of the article or [click here](#).

Targeted sequencing solutions from
DNA to FASTQs and beyond



To subscribe to *Genome Research* go to:
<http://genome.cshlp.org/subscriptions>
