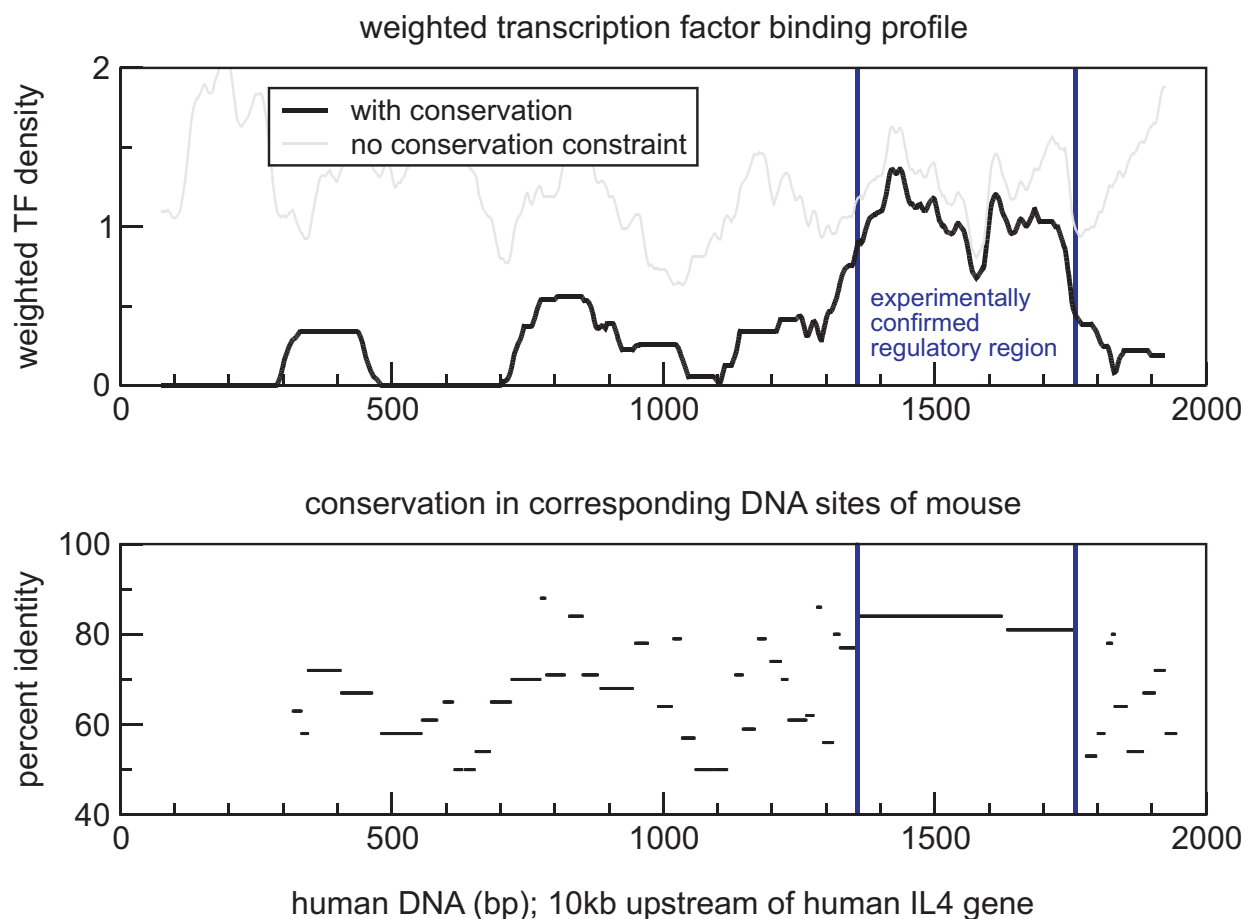


## Additional example of TFprofile application



**Additional Figure: Upper:** Weighted transcription factor binding profile in a 2 kb long DNA block, upstream of the human IL4 gene. TFprofile computes for each position the number of possible different TF spanning that region weighted by TF core and matrix similarity to the sequence (gray) and this additionally weighted by the degree of conservation giving the final result (bold). One peak of the calculated binding profile coincides with an experimentally verified regulatory region, the CNS1 region. The curves represent a 150 bp moving average of each profile. **Lower:** corresponding percent identity of each aligning sequence from the mouse. For further information about the regulatory functions of CNS1 please refer to: Loots, G. G., R. M. Locksley, C. M. Blankespoor, Z. E. Wang, W. Miller, E. M. Rubin, and K. A. Frazer. Identification of a coordinate regulator of interleukins 4, 13, and 5 by cross-species sequence comparisons. *Science* 288, 136-140, 2000.