



TRANSFAC® release 2020.2

The TRANSFAC® database on transcription factors, their genomic binding sites and DNA-binding motifs (PWMs), contains these new data features:

- **Integration of new p53 ChIP-Seq experiments**

A comparative study of human binding site ChIP-Seq data for the transcription factor p53 in 12 different cell lines has been integrated (Hafner, A. et al., BMC Mol. Cell Biol. 21 (2020), Pubmed [32070277](#)).

Likewise, a study of p53 ChIP-Seq binding sites in the developing embryonic mouse kidney has been added (Li, Y. et al., Physiol. Genomics 45 (2013), Pubmed [24003036](#)).

- **Protein-protein interactions of transcription factors**

350 new binding reactions of the transcription factors BCL11B and c-Krox (Zbtb7b) to other proteins have been included.

- **Ensembl version update**

Genomic information for genes, promoters, and ChIP fragments for the species human, mouse, rat, pig, macaque, Drosophila, and Arabidopsis is now based on Ensembl release 99.