

Table 11: Regulatory databases

Name	URL	Brief description	Download of Data	Current status
ChIPSummitDB*	http://summit.med.unideb.hu/summitdb/index.php	ChIP-seq-based data of transcription factor binding sites and the topological arrangements of the proteins	Yes	Online
CREME	https://creme.dcode.org/	Cis-regulatory module explorer for the human genome	Yes	Online
CRUNCH	http://crunch.unibas.ch/crunch/	ChIP-seq data analysis	Yes	Online
FirstEF	http://rulai.cshl.org/tools/FirstEF/	First Exon Finder (FirstEF) is a 5' terminal exon and promoter prediction program	Yes	Online
GlycoViewer	http://www.glycoviewer.babs.unsw.edu.au/	Visualisation tool for representing a set of glycan structures	Yes	Online
HERVd	https://herv.img.cas.cz/	Human endogenous retroviruses database	No	Online
HumCFS	https://webs.iiitd.edu.in/raghava/humcfs/index.html	Human chromosomal fragile sites data	No	Online
Interferome*	http://interferome.its.monash.edu.au/interferome/home.jsp	Contains type I, II and III interferon (IFN) regulated genes	No	Online
JASPAR	http://jaspar.genereg.net/	The high-quality transcription factor binding profile database	Yes	Online
MANTA	http://manta.cmmt.ubc.ca/manta2/upload	Maps of transcription factor binding sites	Yes	Online
MAPPER	http://genome.ufl.edu/mapperdb	Multi-genome analysis of positions and patterns of elements of regulation	No	Offline
MEME Suite	http://meme-suite.org/	DNA motifs, transcription factor binding sites or protein domain	Yes	Online
MET	http://veda.cs.uiuc.edu/MET/	The motif enrichment tool identifies significantly associated sets of genes that share a regulatory motif	Yes	Online
microDoR	http://reprod.njmu.edu.cn/cgi-bin/microdor/index.py	Predict Human miRNA-mediated gene silencing	Yes	Online
OsteoporosAtlas	http://biokb.ncpsb.org/osteoporosis/index.php	Regulatory sequences in osteoporosis-related genes	Yes	Online
PReMod*	http://genomequebec.mcgill.ca/PReMod	Predict transcriptional regulatory modules of human genome	Yes	Online
pseudoMap	http://pseudomap.mbc.nctu.edu.tw/php/index.php	Gathers information about transcribed pseudogenes	No	Offline
SM-TF	http://zoulab.dalton.missouri.edu/SM-TF/	Database of small molecule-transcription factor complexes	Yes	Online
SNP@lincTFBS	http://210.46.85.180:8080/SNP_linc_tfbs/	SNPs in potential TFBSs of human Large intergenic non-coding RNAs (lincRNAs)	Yes	Offline
TcoF-DB	https://tools.sschmeier.com/tcof/home/	Human transcription co-factors and transcription factor interacting proteins	No	Online

TFBSbank	http://tfbsbank.co.uk/	Chip-seq data of 585 transcription factors in 5 species	Yes	Online
TFCat	http://www.tfcats.ca/	Curated catalog of mouse and human transcription factors	No	Offline
TFClass	http://tfclass.bioinf.med.uni-goettingen.de/	Eukaryotic TFs according to their DNA-binding domains	No	Online
TFCONES	http://tfcones.fugu-sg.org/	Transcription factor genes and conserved noncoding elements	Yes	Online
TFM-Explorer	https://bioinfo.lifl.fr/TFM/	Putative TFBS within a set of upstream regulatory sequences for a given set of genes	Yes	Online
TMREC	http://www.jianglab.cn/TMREC/	TF and miRNA regulatory cascades in human diseases	Yes	Online
TRANSFAC	http://genexplain.com/transfac/	Eukaryotic TF, their experimentally-proven binding sites, consensus binding sequences and regulated genes	No	Online
TTSMI database*	http://ttsmi.bii.a-star.edu.sg/	Triplex target DNA site mapping and integration database	No	Online

*Top tools ranked by the authors.