

Supplementary Tables

Table 1(A). Web Servers for *in silico* predictions

Service	Site	URL
Whole genome binding site predictions	GALA Browser	www.bx.psu.edu
	UCSC Genome Browser	genome.ucsc.edu
	rVista	rvista.dcode.org
Position-weight matrix repositories	JASPAR	jaspar.cgb.ki.se
	SELEXdb	www.mgs.bionet.nsc.ru/mgs/systems/selex/
	TRANFAC	www.gene-regulation.com
Experimental data repositories	CAGE Basic/Analysis Databases	fantom3.gsc.riken.jp
	COMPEL	compel.bionet.nsc.ru/new/compel/compel.html
	EPD	www.epd.isb-sib.ch
	GenBank	www.ncbi.nlm.nih.gov
	MPromDb	bioinformatics.med.ohio-state.edu/MPromD
	OMGProm	bioinformatics.med.ohio-state.edu/OMGProm
	TRRD	www.mgs.bionet.nsc.ru/mgs/gnw/trrd/
	Pattern matching	AliBaba2
AlignACE		Atlas.med.harvard.edu
ANN-Spec		www.cbs.dtu.dk/services/DNAarray/ann-spec.php
Bayesian Phylogenetic Footprint		bayesweb.wadsworth.org/cgi-bin/bayes_align12.pl
cisRED		www.cisred.org
CONreal		conreal.niob.knaw.nl
ConSite		mordor.cgb.ki.se/cgi-bin/CONSITE/consite
CompelPatternSearch		compel.bionet.nsc.ru/FunSite/CompelPatternSearch.html
DoOP		doop.abc.hu
Dragon ERE Finder		sdmc.lit.org.sg/ERE-V2/index
ECR browser		ecrbrowser.dcode.org
Mapper		bio.chip.org/mapper
MatInspector		www.genomatix.de/products/MatInspector
MDscan -		ai.stanford.edu/~xsliu/MDscan/
MotifViz		biowulf.bu.edu/MotifViz
P-Match		www.gene-regulation.com/cgi-bin/pub/programs/pmatch/bin/p-match.cgi
PROMO		www.lsi.upc.es/~algggen
PromoterPlot		promoterplot.fmi.ch
RSAT		rsat.ulb.ac.be/rsat/
SeSiMCMC		favorov.hole.ru/gibbslfm
SiteSeer		rocky.bms.umist.ac.uk/SiteSeer/
TESS		www.cbil.upenn.edu/tess
TFbind		tfbind.ims.u-tokyo.ac.jp
TFSEARCH		www.cbrc.jp/research/db/TFSEARCH.html
Toucan		homes.esat.kuleuven.be/~saerts/software/toucan.php
TRED		rulai.cshl.edu/TRED

Table 1(B). Web Servers for *in silico* predictions

Pattern discovery	Consensus	bifrost.wustl.edu/consensus
	Dcode.org	www.dcode.org
	Ensembl.org	www.ensembl.org
	Evoprinter	evoprinter.ninds.nih.gov
	FootPrinter	bio.cs.washington.edu/software.html
	Gibbs Motif Sampler	bayesweb.wadsworth.org/gibbs/gibbs.html
	GLAM	Zlab.bu.edu/glam
	MITRA	www1.cs.columbia.edu/compbio/mitra/
	motifSampler	www.esat.kuleuven.ac.be/~dna/Biol/Software.html
	MSCAN	mscan.cgb.ki.se/cgi-bin/MSCAN
	Oligo/Dyad-analysis	rsat.scmbb.ulb.ac.be/rsat/
	<u>oPOSSUM</u>	www.cisreg.ca
	Weeder Web	www.pesolelab.it/
	YMF	bio.cs.washington.edu/software.html
	<u>Target Explorer</u>	trantor.bioc.columbia.edu/Target_Explorer
Cluster detection	<u>Cluster Buster</u>	zlab.bu.edu/cluster-buster
	CRÈME	creme.dcode.org
	Improbizer	www.cse.ucsc.edu/~kent/improbizer/improbizer.html
	ModuleSearcher	homes.esat.kuleuven.be/~saerts/software/modulesearcher.html
	MEME	meme.sdsc.edu/meme/
	Over-represented Transcription Factor Binding Site Prediction Tool (OTFBS)	www.bioinfo.tsinghua.edu.cn/%7Ezhengjsh/OTFBS/index.html
	<u>TraFaC</u>	trafac.cchmc.org/trafac/index.jsp
	<u>TFBind</u>	tfbind.ims.u-tokyo.ac.jp
	TRANSCompel	www.gene-regulation.com/pub/databases.html#transcompel
ChIP-chip	Chip-chip antibodies	www.chiponchip.org/antibody.html
	Chip-chip protocols	genomecenter.ucdavis.edu/farnham/farnham/protocol.html
	MPEAK	www.stat.ucla.edu/~zmdl/mpeak/
	PeakFinder	research.stowers-institute.org/jeg/2004/cohesin/peakfinder
Transcription factor information	ooTFD	www.ifti.org/ootfd
PWM comparisons	T-Reg Comparator	treg.molgen.mpg.de

* Note – tools or servers may belong to more than category in the table. Additional tools are frequently provided at each site. Web sites may occasionally be down due to server errors or discontinued altogether.

Table 2. Resources for Experimental protocols

Assay	Reference (Chapter)	
	Molecular Cloning	Current Protocols in Mol. Biol.
DNase I Hypersensitivity	17.18	21
EMSA	17.13	12
DNase I Protection	17.4	21
ChIP*	N/A	21
Transfection	16	9

*Note: Additional information is available in .

Table 3. Web servers and repositories for publicly available high-throughput ChIP-chip binding data

Resource	URL
ArrayExpress	www.ebi.ac.uk/arrayexpress
GALAXY2	www.bx.psu.edu
GEO	www.ncbi.nlm.nih.gov/geo
ENCODEdb	http://research.nhgri.nih.gov/ENCODEdb
Ensembl	www.ensembl.org
UCSC	www.genome.ucsc.edu