

Supplementary Materials – Online Resources

The following table consists of a list of online resources for miRNA gene prediction and target identification. As the number of online resources grows rapidly we could not possibly be exhaustive in our enumeration, therefore we restricted our list to those resources which are related to the methods we discuss in the text.

MiRNA Prediction

Name	Type	URL	Classification
MIRSCAN	W	http://genes.mit.edu/mirscan/	Filter-based
MIRFINDER	D	http://www.bioinformatics.org/mirfinder/	
PROMIR	W	http://cbit.snu.ac.kr/~ProMiR2/	Machine learning
TRIPLET SVM	D	http://bioinfo.au.tsinghua.edu.cn/mirnasvm/	
RNAMICRO	D	http://www.bioinf.uni-leipzig.de/~jana/software/RNAMicro.html	
MIPRED	W	http://www.bioinf.seu.edu.cn/miRNA/	
MIRALIGN	W	http://bioinfo.au.tsinghua.edu.cn/miralign/	Homology-based
FINDMIRNA	L	http://sundarlab.ucdavis.edu/mirna/	Target-centered

W : Webserver D : Downloadable program L : List of predictions

Target Identification

Name	Type	URL	Classification
MIRANDA	L	http://www.microrna.org/microrna/getMirnaForm.do	Seed-based
TARGETSCAN	W	http://www.targetscan.org/	
DIANA-MICROT	W	http://diana.cslab.ece.ntua.gr/microT/	
RNAHYBRID	W/D	http://biserv.techfak.uni-bielefeld.de/rnahybrid/	
PICTAR	L	http://pictar.mdc-berlin.de/	Machine learning
TARGETBOOST	W	https://demo1.interagon.com/targetboost/	
MITARGET	W	http://cbit.snu.ac.kr/~miTarget/	Target structure integration
MIRWIP	L	http://mirtargets.org	
MICROTAR	D	http://tiger.dbs.nus.edu.sg/microtar/	

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