基因组图谱数据库：
 Genbank-Genome-Map viewer
 UCSC-Genome browserEnsembl-Genome browser
 ……. BING Search……
从头计算预测：
 GENSCAN: http://genes.mit.edu/GENSCAN.html
 tRNAscan-SE: http://selab.janelia.org/tRNAscan-SE/
基因结构建模：
 NCBI Splign
 UCSC BLAT
 EMBL-EBI GeneWise
原核生物从头预测基因：
 GLIMMER
 GeneMark GeneMarkS GeneMarkS+
真核生物从头预测基因：
 GENSCAN
 Geneid
 Augustus
 GeneMark-ES GeneMark-ET
 GlimmerHMM
 mSplicer
 CONTRAST
 mGen
 FGENESH
密码子偏好：
 JAVA Codon Adaptation Tool (JCat): http://www.jcat.de/
 Codon Optimization Tool: http://sg.idtdna.com/CodonOpt
检验 gff3 格式：
 http://genometools.org/cgi-bin/gff3validator.cgi
 https://github.com/modENCODE-DCC/validator
galaxy：https://usegalaxy.org/
Variant Effect Predictor：http://asia.ensembl.org/Tools/VEP （输入突变信息）
启动子数据库:
 http://molbiol-tools.ca/Promoters.htm
 https://bip.weizmann.ac.il/toolbox/seq_analysis/promoters.html
 EPD:https://epd.vital-it.ch/index.php
 https://cb.utdallas.edu/cgi-bin/TRED/tred.cgi?process=home
 transfac:不能用
 ENCODE: https://www.encodeproject.org
 果蝇启动子: http://www.fruitfly.org/seq_tools/promoter.html
 promoter2.0: http://www.cbs.dtu.dk/services/Promoter/
 http://linux1.softberry.com/berry.phtml?topic=fprom&%20group=programs&subgroup=promoter
 cister: https://zlab.bu.edu/~mfrith/cister.shtml

tfsearch:http://diyhpl.us/~bryan/irc/protocol-online/protocol-cache/TFSEARCH.html

Tssw：

http://linux1.softberry.com/berry.phtml?topic=tssw&group=programs&subgroup=promoter

Tssg：

http://linux1.softberry.com/berry.phtml?topic=tssg&group=programs&subgroup=promoter

比较基因组学数据库:

dcode：https://ecrbrowser.dcode.org/

rvista2.0 ：https://rvista.dcode.org

CoGe: **https://genomevolution.org/CoGe/**

homologene: https://www.ncbi.nlm.nih.gov/homologene/?term=

ENSEMBLE: http://asia.ensembl.org/

clustal: https://www.ebi.ac.uk/Tools/msa/clustalo/

RNA 数据库:

http://biobases.ibch.poznan.pl/ncRNA/

http://rfam.xfam.org/

https://www.science.co.il/biomedical/databases/RNA-databases.php

RNA 修饰：

http://mods.rna.albany.edu

miRNA：http://www.mirbase.org

siRNA:http://sirna.sbc.su.se

http://www.ncrna.org/

long-noncodingrna：http://lncrnadb.com/

RNA 结构预测：

https://bibiserv.cebitec.uni-bielefeld.de/rna

http://rna.urmc.rochester.edu/RNAstructureWeb/

http://mfold.rit.albany.edu/?q=mfold

http://rna.tbi.univie.ac.at/cgi-bin/RNAWebSuite/RNAfold.cgi

tRNA: **http://lowelab.ucsc.edu/tRNAscan-SE/**

microRNA：**https://cm.jefferson.edu/rna22v2/**

sirna：**http://www.imtech.res.in/raghava/desirm/**

密码子偏好性优化：**http://www.jcat.de/CAICalculation.jsp**