WIE-biotech

立效生物

常用数据库合集

网址版本

方案组

2022/3/31

目录

数据库合集

基础网站

GeneCard：https://www.genecards.org/
Reactome: https://reactome.org/
CTD: https://ctdbase.org/
Signor: signor.uniroma2.it
PALM-IST：http://www.hpppi.iicb.res.in/ctm/
Geneontology: http://geneontology.org/
GenDoma: https://ai.citexs.com/homePath

中药成分

Quartata Web: http://quartata.csb.pitt.edu/
TCMSP: https://tcmsp-e.com/
ETCM: http://www.tcmip.cn/ETCM/index.php/Home/
BATMAN-TCM: http://bionet.ncpsb.org.cn/batman-tcm/
Pubchem: https://pubchem.ncbi.nlm.nih.gov/
DRUGBANK: https://go.drugbank.com/drugs
Swisstarget: http://www.swisstargetprediction.ch/index.php
Herb: http://herb.ac.cn/
RCSB: https://www.rcsb.org/
Super-PRED(小分子预测)：https://prediction.charite.de/index.php
AlphaFold（蛋白质结构）：https://www.alphafold.ebi.ac.uk/
LigTMaP(小分子预测)：https://cbbio.online/LigTMap/
STITCH（化学关联网络）：
http://stitch.embl.de/cgi/input.pl?UserId=B6uO02JGzNtn&sessionId=5JVEQHIOGRnq
中药图谱资源库：http://online.bjyyjy.org.cn/%E9%A6%96%E9%A1%B5
TTD: https://db.idrblab.net/ttd/
NPASS: https://bidd.group/NPASS/
EBI: https://www.ebi.ac.uk/chembl/
TCMIP: http://www.tcmip.cn/TCMIP/index.php/Home/Index/index

CircRNA

DeepBase: https://rna.sysu.edu.cn/deepbase3/
Circular RNA Interactome: https://circinteractome.nia.nih.gov/
CircBase: http://www.circbase.org/
CircAtlas: http://circatlas.biols.ac.cn/

LncRNA

LncTarD: http://bio-bigdata.hrbmu.edu.cn/LncTarD/JumpToAdvancedSearch#tableDivHead
LncRNASNP2: http://bioinfo.life.hust.edu.cn/lncRNASNP/#!/
*LncATLAS: https://lncatlas.crg.eu/
lncRNome: http://genome.igib.res.in/lncRNome/
lncRNA: http://lncrna.smu.edu.cn/
*lncSEA: http://bio.liclab.net/LncSEA/index.php
LNCipedia: https://lncipedia.org/
RBPDB: http://rbpdb.ccbr.utoronto.ca/index.php
*MNDRV3.1: http://www.rna-society.org/mndr/

引物

Primer 3Plus: http://www.primer3plus.com/cgi-bin/dev/primer3plus.cgi
sRNAprimerDB: http://123.57.239.141/

miRNA
miRDB: http://mirdb.org/
miRWALK: http://mirwalk.umm.uni-heidelberg.de/
RNAcentral: https://rnacentral.org/
miRBase: https://www.mirbase.org/
Segal: https://genie.weizmann.ac.il/pubs/mir07/mir07_prediction.html
DIANA: http://diana.imis.athena-innovation.gr/DianaTools/index.php?r=site/index
miRmap: https://mirmap.ezlab.org/app/
Vir-mir: http://alk.ibms.sinica.edu.tw/cgi-bin/miRNA/miRNA.cgi
Bibiserv2: https://bibiserv.cebitec.uni-bielefeld.de/rnahybrid/
PicTar: https://pictar.mdc-berlin.de/
WMD3(人工 miRNA): http://wmd3.weigelworld.org./cgi-bin/webapp.cgi
miRecords: http://c1.accurascience.com/miRecords/
TargetScan: http://www.targetscan.org/vert_72/
miRcode: http://www.mircode.org/index.php
StarBase: https://starbase.sysu.edu.cn/

miRNet: https://www.mirnet.ca/

甲基化

RMBase: https://rna.sysu.edu.cn/rmbase/
RM2Target: http://rm2target.canceromics.org/#/home
m6A-ATLAS：http://rnamd.org/m6a/index.php
RMVar: https://rmvar.renlab.org/
SRAMP: http://www.cuilab.cn/sramp/
m6ATarget: http://m6a2target.canceromics.org/#/validation
Whistle: http://180.208.58.19/whistle/index.html
EWAS（DNA 甲基化）：https://ngdc.cncb.ac.cn/ewas/datahub
SEQSTATS: https://www.ebi.ac.uk/Tools/seqstats/
SMS：https://sites.ualberta.ca/~stothard/javascript/cpg_islands.html
MEXPRESS（PMID: 34098886，肿瘤甲基化）：https://mexpress.be/
Methprimer: http://www.urogene.org/cgi-bin/methprimer/methprimer.cgi
iMETHYL（多组学联合分析）：http://imethyl.iwate-megabank.org/index.html
ChIPBase v3.0（组蛋白甲基化）: https://rnasysu.com/chipbase3/index.php
MethBank（DNA 甲基化）: https://ngdc.cncb.ac.cn/methbank/
BIOBIOBIO（预测甲基化是否存在启动子区）：http://www.bio-bio-bio.com/Home/Minitools

转录因子

ALGGEN：http://alggen.lsi.upc.es/cgi-bin/promo_v3/promo/promoinit.cgi?dirDB=TF_8.3
Cistrome: http://cistrome.org/db/#/
UCSC: http://genome.ucsc.edu/
AnimalTFDB3.0: http://bioinfo.life.hust.edu.cn/AnimalTFDB/#!/
GENOMATIX:https://www.genomatix.de/online_help/help_matinspector/matinspector_help.html#seq_selection
JASPAR: https://jaspar.genereg.net/
hTFtarget: http://bioinfo.life.hust.edu.cn/hTFtarget#!/
LncMAP: http://bio-bigdata.hrbmu.edu.cn/LncMAP/index.jsp
GRNdb：http://www.grndb.com/
CHEA3: https://maayanlab.cloud/chea3/

基因表达与预后

EasyGEO: https://easygeo.cn/#/
dbDEMC: https://www.biosino.org/dbDEMC/index
linkedOmics: http://www.linkedomics.org/login.php

CVCDAP: https://omics.bjcancer.org/cvcdap/home.do

THPA: https://www.proteinatlas.org/

Oncomine: https://www.oncomine.org/resource/login.html

TCPA: https://www.tcpaportal.org/tcpa/index.html

BBcancer: http://bbcancer.renlab.org/

cBioportal: https://www.cbioportal.org/

GEPIA: http://gepia.cancer-pku.cn/detail.php?gene=MTDH

USUC: https://xenabrowser.net/heatmap/

K-M plotter: http://kmplot.com/analysis/index.php?p=background

UALCAN: http://ualcan.path.uab.edu/index.html

Oncolnc: http://www.oncolnc.org/

TIMER2.0: http://timer.cistrome.org/

铁死亡：http://www.zhounan.org/ferrdb/current/

自噬：http://www.autophagy.lu/index.html

UniprotkB：https://www.uniprot.org/

DriverDBv3：http://driverdb.tms.cmu.edu.tw/

NCG：http://ncg.kcl.ac.uk/index.php

TissGDB: https://bioinfo.uth.edu/TissGDB/

蛋白与蛋白或网络

GENEMANNIA：http://genemania.org/

CoreMINE: http://www.coremine.com/medical/

STRING:https://version11.string-db.org/cgi/input.pl?sessionId=uSqv1lKw4Ec4&input_page_show_search=on

DisGeNET: https://www.disgenet.org/search

ONGene: http://ongene.bioinfo-minzhao.org/index.html

Tumor suppressor: https://bioinfo.uth.edu/TSGene/

Reactome: https://reactome.org/

HuRI：http://www.interactome-atlas.org/

衰老：https://ngdc.cncb.ac.cn/aging/age_related_genes

Metascape: https://metascape.org/gp/index.html#/main/step1

Metascape 讲解：http://www.360doc.com/content/22/0527/10/79201938_1033354893.shtml

泛素化

UbiBrowser: http://ubibrowser.ncpsb.org.cn/ubibrowser/

位点预测：http://www.sci666.net/17961.html

GPS：http://plmd.biocuckoo.org/index.php

UbiNet: https://awi.cuhk.edu.cn/~ubinet/index.php

JASSA（预测 SUMO 化位点）：http://www.jassa.fr/

免疫相关

GSEA：https://www.gsea-msigdb.org/gsea/index.jsp
Timer: http://timer.comp-genomics.org/

单细胞

CancerSea: http://biocc.hrbmu.edu.cn/CancerSEA/
LnceCell: http://bio-bigdata.hrbmu.edu.cn/LnCeCell/
SpatialDB: http://www.spatialomics.org/SpatialDB/
Panglaodb: https://panglaodb.se/
scRNASeqDB: https://bioinfo.uth.edu/scrnaseqdb/
SCPortalen: http://sctime.sklehabc.com/unicellular/home
Tiger：http://tiger.canceromics.org/#/
Single Cell Expression Atlas: https://www.ebi.ac.uk/gxa/sc/home
Cancer Single-cell Expresion Map：https://ngdc.cncb.ac.cn/cancerscem/

阿尔兹

AlzData: http://www.alzdata.org/

药物敏感性

Cancerrxgene: https://www.cancerrxgene.org/
CanSAR Black: https://cansarblack.icr.ac.uk/
HMBD: https://hmdb.ca/
Cancer Therapeutics Response Portal:
http://portals.broadinstitute.org/ctrp/?page=#ctd2BodyHome

学习途径

https://ucenter.cn-healthcare.com/dynamic/other/index?memCard=bfeec4516dc440d695b8038ee54a45bf
http://www.360doc.com/content/21/0108/19/73296438_955896981.shtml
http://www.360doc.com/userhome/42030643

tRF

tRFexplorer: https://trfexplorer.cloud/de-analysis
The Dutta Lab: http://genome.bioch.virginia.edu/
tsRFun: http://biomed.nscc-gz.cn/DB/tsRFun/cancer.php
Github: https://github.com/team
BBcancer: http://bbcancer.renlab.org/
tsRNA 作用综述： https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7326991/

增强子

SEDB（详细教程见 9 月例会资料）： http://www.licpathway.net/sedb/
EnhancerAtlas： http://www.enhanceratlas.org/
dbSUPER： https://asntech.org/dbsuper/
VISTA Enhancer Brower： https://enhancer.lbl.gov/

SNP

HaploReg v4.1： https://pubs.broadinstitute.org/mammals/haploreg/haploreg.php
RegulomeDB： https://www.regulomedb.org/regulome-search
SNP2APA: http://gong_lab.hzau.edu.cn/SNP2APA/#!/

乳酸化

DeepKla： http://lin-group.cn/server/DeepKla/index.html
FSL-Kla：

自噬

HADb: http://www.autophagy.lu/index.html

外泌体

ExoCarta: ExoCarta: Home - Exosome database
EVmiRNA： http://bioinfo.life.hust.edu.cn/EVmiRNA#!/

ExoBase: http://www.exorbase.org/
Vesiclepedia: http://microvesicles.org/index.html
NLHBI：https://esbl.nhlbi.nih.gov/UrinaryExosomes/
ExoBCD：https://exobcd.liumwei.org/

肠道菌群

AMDB: http://leb.snu.ac.kr/amdb/projects
GMrepo: https://gmrepo.humangut.info/home
GutMEGA: http://gutmega.omicsbio.info/index.php
DIANA: https://dianalab.e-ce.uth.gr/peryton/#/
GutMGene：http://bio-annotation.cn/gutmgene/home.dhtml
Disbiome: https://disbiome.ugent.be/home

蛋白质相关

蛋白结构域预测数据库：
InterPro：http://www.ebi.ac.uk/interpro/search/sequence/#opennewwindow
UniProt：https://www.uniprot.org/
PyMOL 软件：
The PyMOL Molecular Graphics System, Version2.0
二级结构预测数据库：
SOPMA：https://npsa-prabi.ibcp.fr/cgi-bin/npsa_automat.pl?page=npsa_sopma.html
三级结构建模数据库：
SWISS-MODEL：https://swissmodel.expasy.org/
错义突变三级结构预测数据库
Missense3D：http://missense3d.bc.ic.ac.uk/~missense3d/
DUET 蛋白稳定性预测数据库
DUET：http://biosig.unimelb.edu.au/duet/stability
CSS-Palm（在线的蛋白质修饰位点预测工具）：http://csspalm.biocuckoo.org/
PhosphoSitePlus （翻译后修饰预测的综合性数据库）：
https://www.phosphosite.org/homeAction

糖基化修饰

YingOYang-1.2: https://services.healthtech.dtu.dk/services/YinOYang-1.2/
The Hirst Group Home Page: https://comp.chem.nottingham.ac.uk/home/index.html
GlycoMine: https://glycomine.erc.monash.edu/Lab/GlycoMine/
GlycoEP: https://webs.iiitd.edu.in/raghava/glycoep/index.html
GSS-Palm: http://www.csspalm.biocuckoo.org/

磷酸化修饰

NetPhos-3.1: https://services.healthtech.dtu.dk/services/NetPhos-3.1/

RBP

RPIseq：http://pridb.gdcb.iastate.edu/RPISeq/#

细胞通讯

CellChat: http://www.cellchat.org/index_inner.html
CellphoneDB: https://www.cellphonedb.org/index.html