Disease related gene/miRNA databases

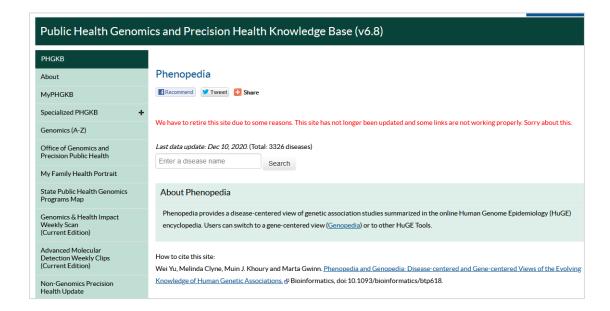
Contents

Phenopedia	2
Disgenet	2
PolySearch2	
KEGG Disease	
Malacards	3
GWAS catalog	4
Mouse Genome Informatics	5
HMDD v3.0	5
miR2Disease	6

Phenopedia

https://phgkb.cdc.gov/PHGKB/startPagePhenoPedia.action

[Reference] Wei Yu, Melinda Clyne, Muin J. Khoury and Marta Gwinn. Phenopedia and Genopedia: Disease-centered and Gene-centered Views of the Evolving Knowledge of Human Genetic Associations. Bioinformatics, doi:10.1093/bioinformatics/btp618.



Disgenet

https://www.disgenet.org/search

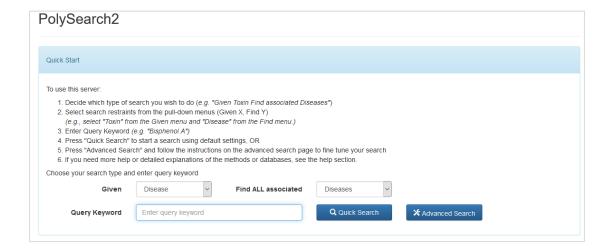
[Reference] Piñero et al., 2016 , Piñero et al., 2015 , Bauer-Mehren et al., 2011 and Bauer-Mehrenet al., 2010 .



PolySearch2

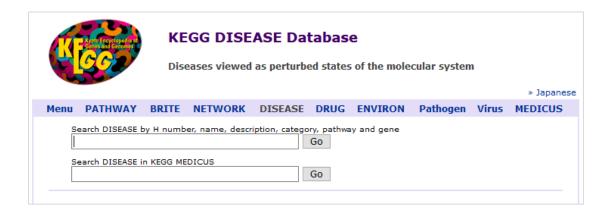
http://polysearch.cs.ualberta.ca/polysearch

[Reference] Liu Y., Liang Y., Wishart D.S. (2015) PolySearch 2.0: A significantly improved textmining system for discovering associations between human diseases, genes, drugs, metabolites, toxins, and more. Nucleic Acids Res. 2015 Jul 1;43(Web Server Issue):W535-42.



KEGG Disease

https://www.genome.jp/kegg/disease/

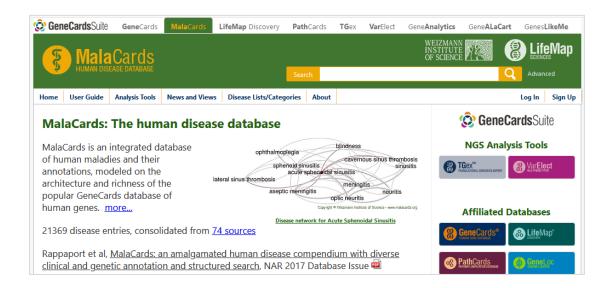


Malacards

https://www.malacards.org/

[Reference] MalaCards: an amalgamated human disease compendium with diverse clinical

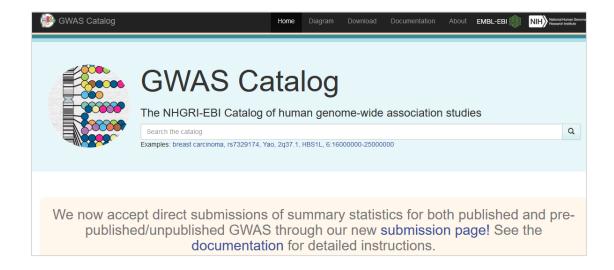
and genetic annotation and structured search, NAR 2017 Database Issue



GWAS catalog

https://www.ebi.ac.uk/gwas/

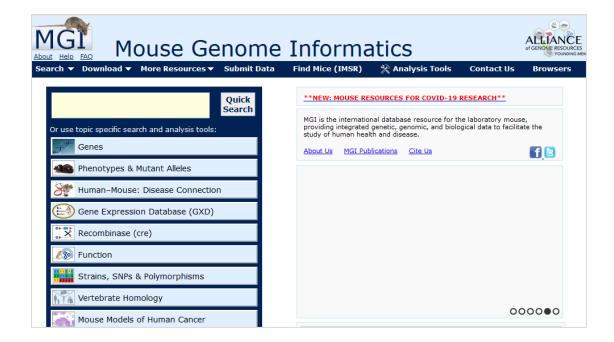
[Reference] Buniello A, MacArthur JAL, Cerezo M, Harris LW, Hayhurst J, Malangone C, McMahon A, Morales J, Mountjoy E, Sollis E, Suveges D, Vrousgou O, Whetzel PL, Amode R, Guillen JA, Riat HS, Trevanion SJ, Hall P, Junkins H, Flicek P, Burdett T, Hindorff LA, Cunningham F and Parkinson H.The NHGRI-EBI GWAS Catalog of published genome-wide association studies, targeted arrays and summary statistics 2019. Nucleic Acids Research, 2019, Vol. 47 (Database issue): D1005-D1012.



Mouse Genome Informatics

http://www.informatics.jax.org/

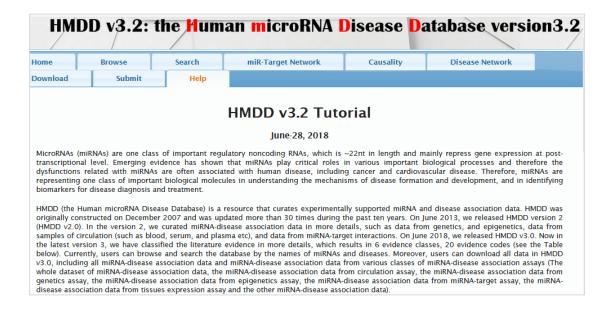
[Reference] Janan T. Eppig, Judith A. Blake, Carol J. Bult, James A. Kadin, Joel E. Richardson, The Mouse Genome Database Group, The Mouse Genome Database (MGD): facilitating mouse as a model for human biology and disease, Nucleic Acids Research, Volume 43, Issue D1, 28 January 2015, Pages D726–D736, https://doi.org/10.1093/nar/gku967



HMDD v3.0

http://www.cuilab.cn/hmdd/

[Reference] Huang, Zhou, Jiangcheng Shi, Yuanxu Gao, Chunmei Cui, Shan Zhang, Jianwei Li, Yuan Zhou, and Qinghua Cui. "HMDD v3. 0: a database for experimentally supported human microRNA–disease associations." Nucleic acids research 47, no. D1 (2019): D1013-D1017.



miR2Disease

http://www.miR2Disease.org

[Reference] Jiang, Qinghua, Yadong Wang, Yangyang Hao, Liran Juan, Mingxiang Teng, Xinjun Zhang, Meimei Li, Guohua Wang, and Yunlong Liu. "miR2Disease: a manually curated database for microRNA deregulation in human disease." Nucleic acids research 37, no. suppl_1 (2009): D98-D104.

