Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 1, 2024

KEGG

RRID:SCR_012773

Type: Tool

Proper Citation

KEGG (RRID:SCR_012773)

Resource Information

URL: http://www.kegg.jp/

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Description: Integrated database resource consisting of 16 main databases, broadly categorized into systems information, genomic information, and chemical information. In particular, gene catalogs in completely sequenced genomes are linked to higher-level systemic functions of cell, organism, and ecosystem. Analysis tools are also available. KEGG may be used as reference knowledge base for biological interpretation of large-scale datasets generated by sequencing and other high-throughput experimental technologies.

Abbreviations: KEGG

Synonyms: KEGG - Kyoto Encyclopedia of Genes and Genomes, Kyoto Encyclopedia of Genes and Genomes

Resource Type: portal, data access protocol, service resource, database, software resource, data or information resource, data analysis service, topical portal, web service, production service resource, analysis service resource

Defining Citation: PMID:22700311, PMID:22130871, PMID:22080510, PMID:19880382, PMID:19172790, PMID:18428742, PMID:18287706, PMID:18077471, PMID:16381885, PMID:16014746, PMID:14681412, PMID:12539951, PMID:11752249, PMID:10928937, PMID:10592173, PMID:9847135

Keywords: model, pathway, functional hierarchy, module, cancer, disease, drug, drug classification, orthology, ortholog, genome, gene, protein, compound, classification, biochemical reaction, pathway, ligand, biosynthesis, pathway prediction, sequence, chemical structure, human, enzyme, database, molecular interaction, metabolism, metabolomics,

cellular process, structure, drug development, reaction, cell

Funding Agency: Japanese Ministry of Education Culture Sports Science and Technology MEXT, Japan Science and Technology Agency

Availability: Restricted

Resource Name: KEGG

Resource ID: SCR_012773

Alternate IDs: nlx_31015, OMICS_01583, OMICS_03010, OMICS_01582, OMICS_03974,

OMICS_05434, OMICS_05360

Alternate URLs: http://www.genome.jp/kegg/

Ratings and Alerts

No rating or validation information has been found for KEGG.

No alerts have been found for KEGG.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 52422 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Emanuelsson EB, et al. (2024) Remodeling of the human skeletal muscle proteome found after long-term endurance training but not after strength training. iScience, 27(1), 108638.

Song P, et al. (2024) Gut microbiota non-convergence and adaptations in sympatric Tibetan and Przewalski's gazelles. iScience, 27(3), 109117.

Kumar P, et al. (2024) A translation proofreader of archaeal origin imparts multi-aldehyde stress tolerance to land plants. eLife, 12.

de Lope EG, et al. (2024) Comprehensive blood metabolomics profiling of Parkinson's disease reveals coordinated alterations in xanthine metabolism. NPJ Parkinson's disease, 10(1), 68.

Anneser L, et al. (2024) Molecular organization of neuronal cell types and neuromodulatory systems in the zebrafish telencephalon. Current biology: CB, 34(2), 298.

Weng YM, et al. (2024) Evolutionary genomics of three agricultural pest moths reveals rapid evolution of host adaptation and immune-related genes. GigaScience, 13.

Yuan Y, et al. (2024) Three Birds, One Stone: An Osteo-Microenvironment Stage-Regulative Scaffold for Bone Defect Repair through Modulating Early Osteo-Immunomodulation, Middle Neovascularization, and Later Osteogenesis. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(6), e2306428.

Luo F, et al. (2024) The BCL-2 inhibitor APG-2575 resets tumor-associated macrophages toward the M1 phenotype, promoting a favorable response to anti-PD-1 therapy via NLRP3 activation. Cellular & molecular immunology, 21(1), 60.

Li J, et al. (2024) Identification and validation of N7 -methylguanosine-associated gene NCBP1 as prognostic and immune-associated biomarkers in breast cancer patients. Journal of cellular and molecular medicine, 28(2), e18067.

Lages MA, et al. (2024) Remodulation of bacterial transcriptome after acquisition of foreign DNA: the case of irp-HPI high-pathogenicity island in Vibrio anguillarum. mSphere, 9(1), e0059623.

Tan CAZ, et al. (2024) Purine and carbohydrate availability drive Enterococcus faecalis fitness during wound and urinary tract infections. mBio, 15(1), e0238423.

Du Z, et al. (2024) Microbial network and fermentation modulation of Napier grass and sugarcane top silage in southern Africa. Microbiology spectrum, 12(1), e0303223.

Vasquez Ayala A, et al. (2024) Commensal bacteria promote type I interferon signaling to maintain immune tolerance in mice. The Journal of experimental medicine, 221(1).

Liu MY, et al. (2024) Exploration in the Mechanism of Ginsenoside Rg5 for the Treatment of Osteosarcoma by Network Pharmacology and Molecular Docking. Orthopaedic surgery, 16(2), 462.

Hu G, et al. (2024) Filtration effect of Cordyceps chanhua mycoderm on bacteria and its transport function on nitrogen. Microbiology spectrum, 12(1), e0117923.

Liu Y, et al. (2024) Effects of apolipoprotein H downregulation on lipid metabolism, fatty liver disease, and gut microbiota dysbiosis. Journal of lipid research, 65(1), 100483.

Rodríguez Del Río Á, et al. (2024) Functional and evolutionary significance of unknown genes from uncultivated taxa. Nature, 626(7998), 377.

Nugroho A, et al. (2024) Transcriptome dataset of gall-rust infected Sengon (Falcataria falcata) seedlings using long-read PCR-cDNA sequencing. Data in brief, 52, 109919.

Yu T, et al. (2024) Single-cell RNA-seq and single-cell bisulfite-sequencing reveal insights into yak preimplantation embryogenesis. The Journal of biological chemistry, 300(1), 105562.

Alboali H, et al. (2024) Genome-wide association study for body weight and feed consumption traits in Japanese quail using Bayesian approaches. Poultry science, 103(1), 103208.