Resource Summary Report

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CyVerse

RRID:SCR_014531
Type: Tool

Proper Citation

CyVerse (RRID:SCR_014531)

Resource Information

URL: http://www.cyverse.org/

Proper Citation: CyVerse (RRID:SCR_014531)

Description: A google drive interface for scientific big data. CyVerse cyberinfrastructure is applicable to all life sciences disciplines and works equally well on data from plants, animals, or microbes. It provides life scientists with computational infrastructure to handle large datasets and complex analyses. Its extensible platforms provide data storage, bioinformatics tools, image analyses, cloud services, and APIs.

Synonyms: iPlant

Resource Type: data or information resource, database

Defining Citation: PMID:26752627, PMID:22645531

Keywords: cyberinfrastructure, cyber, infrastructure, life science, computational infrastructure, FASEB list

Funding: NSF Directorate for Biological Sciences

Resource Name: CyVerse

Resource ID: SCR_014531

Record Creation Time: 20220129T080320+0000

Record Last Update: 20250507T061022+0000

Ratings and Alerts

No rating or validation information has been found for CyVerse.

No alerts have been found for CyVerse.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 137 mentions in open access literature.

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

Xu T, et al. (2025) Discovery and characterization of complete genomes of 38 head-tailed proviruses in four predominant phyla of archaea. Microbiology spectrum, 13(1), e0049224.

León-Sobrino C, et al. (2024) Temporal dynamics of microbial transcription in wetted hyperarid desert soils. FEMS microbiology ecology, 100(3).

Yamashita T, et al. (2024) A robust genome assembly with transcriptomic data from the striped bark scorpion, Centruroides vittatus. G3 (Bethesda, Md.), 14(8).

Adak A, et al. (2024) Field-based high-throughput phenotyping enhances phenomic and genomic predictions for grain yield and plant height across years in maize. G3 (Bethesda, Md.), 14(7).

Lee S, et al. (2024) CRIF1 deficiency induces FOXP3LOW inflammatory non-suppressive regulatory T cells, thereby promoting antitumor immunity. Science advances, 10(13), eadj9600.

Abdulla MF, et al. (2024) GATA transcription factor in common bean: A comprehensive genome-wide functional characterization, identification, and abiotic stress response evaluation. Plant molecular biology, 114(3), 43.

Shih MM, et al. (2024) Targeted single cell expression profiling identifies integrators of sleep and metabolic state. bioRxiv : the preprint server for biology.

Behrens K, et al. (2024) ERG and c-MYC regulate a critical gene network in BCR::ABL1-driven B cell acute lymphoblastic leukemia. Science advances, 10(10), eadj8803.

Gastfriend BD, et al. (2024) Notch3 directs differentiation of brain mural cells from human pluripotent stem cell-derived neural crest. Science advances, 10(5), eadi1737.

Selvakesavan RK, et al. (2024) Single molecule real-time sequencing data sets of Hypericum perforatum L. plantlets and cell suspension cultures. Scientific data, 11(1), 42.

Rai S, et al. (2024) Plant U-Box 4 regulates chloroplast stress signaling and programmed cell death via Salicylic acid modulation. bioRxiv : the preprint server for biology.

Jackson R, et al. (2023) Characterization of 3D organotypic epithelial tissues reveals tonsil-specific differences in tonic interferon signaling. bioRxiv : the preprint server for biology.

George NA, et al. (2023) CRISPR-resolved virus-host interactions in a municipal landfill include non-specific viruses, hyper-targeted viral populations, and interviral conflicts. Scientific reports, 13(1), 5611.

Bracewell RR, et al. (2023) A chromosome-scale genome assembly and evaluation of mtDNA variation in the willow leaf beetle Chrysomela aeneicollis. G3 (Bethesda, Md.), 13(7).

Samuels ME, et al. (2023) Genomic Sequence of Canadian Chenopodium berlandieri: A North American Wild Relative of Quinoa. Plants (Basel, Switzerland), 12(3).

Martin GT, et al. (2023) miRNA-like secondary structures in maize (Zea mays) genes and transposable elements correlate with small RNAs, methylation, and expression. Genome research, 33(11), 1932.

Tang XT, et al. (2023) Potato psyllids mount distinct gut responses against two different 'Candidatus Liberibacter solanacearum' haplotypes. PloS one, 18(6), e0287396.

Jackson R, et al. (2023) Characterization of 3D organotypic epithelial tissues reveals tonsil-specific differences in tonic interferon signaling. PloS one, 18(10), e0292368.

Sands E, et al. (2023) Genetic and physiological responses to light quality in a deep ocean ecotype of Ostreococcus, an ecologically important photosynthetic picoeukaryote. Journal of experimental botany, 74(21), 6773.

Yamashita T, et al. (2023) A robust genome and assembly with transcriptomic data from the striped scorpion, Centruroides vittatus. bioRxiv : the preprint server for biology.