

Resource Summary Report

Generated by [Kravitz](#) on Sep 17, 2026

pIRS

RRID:SCR_002519

Type: Tool

Proper Citation

pIRS (RRID:SCR_002519)

Resource Information

URL: <http://code.google.com/p/pirs/>

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Description: Software for de novo data simulation. It uses empirical distribution to reproduce Illumina pair-end reads with real distribution of substitution sequencing errors, quality values and GC%-depth bias.

Synonyms: pIRS (profile based Illumina pair-end Reads Simulator), profile based Illumina pair-end Reads Simulator

Resource Type: simulation software, software application, software resource

Defining Citation: [PMID:22508794](#)

Keywords: de novo data simulation, empirical distribution, illumina pair-end read, substitution sequencing error, gc depth bias

Availability: Free, Available for download, Freely available

Resource Name: pIRS

Resource ID: SCR_002519

Alternate IDs: OMICS_00254

License: New BSD License

License URLs: <https://opensource.org/licenses/BSD-3-Clause>

Record Creation Time: 20220129T080213+0000

Record Last Update: 20260912T195542+0000

Ratings and Alerts

No rating or validation information has been found for pIRS.

No alerts have been found for pIRS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 74 mentions in open access literature.

Listed below are recent publications. The full list is available at [Kravitz](#) .

Palmieri A, et al. (2025) Strengths and Limits of Psychodynamic Intervention Rating Scale (PIRS) in Capturing Psychotherapeutic Micro-Process: A Systematic Review. Clinical psychology & psychotherapy, 32(3), e70073.

Su W, et al. (2025) The Efficacy of Pediatric-Inspired Regimens vs. Hyper-CVAD in the Treatment of Adolescents and Young Adults With Acute Lymphoblastic Leukemia: A Systematic Review and Meta-Analysis. American journal of hematology, 100(5), 847.

, et al. (2024) Burden of disease scenarios for 204 countries and territories, 2022-2050: a forecasting analysis for the Global Burden of Disease Study 2021. Lancet (London, England), 403(10440), 2204.

Friesen VM, et al. (2024) Monitoring Biofortification Program Performance and Potential for Impact: Indicators, Methods, and Learnings from the Commercialization of Biofortified Crops Program in Six Countries across Africa and Asia. Current developments in nutrition, 8(12), 104498.

Golov AK, et al. (2024) A genome-wide nucleosome-resolution map of promoter-centered interactions in human cells corroborates the enhancer-promoter looping model. eLife, 12.

Shu J, et al. (2024) Genome-wide screening and functional validation of methylation barriers near promoters. Nucleic acids research, 52(9), 4857.

K?I?ç S, et al. (2024) Comparison of long-term outcomes of laparoscopic percutaneous internal ring suturing and classic open approach for inguinal hernia repair in children. Annals of the Royal College of Surgeons of England, 106(8), 718.

Dilixiati D, et al. (2024) Association between leucocyte telomere length and erectile dysfunction in US adults: a secondary study based on 2001-2002 NHANES data. BMJ open, 14(4), e077808.

Prokina KI, et al. (2024) Refurbishing the marine parasitoid order Pirsoniales with newly (re)described marine and freshwater free-living predators. The Journal of eukaryotic microbiology, 71(6), e13061.

- Wang S, et al. (2024) The relationship between weight-adjusted-waist index, body mass index and diabetic retinopathy among American adults: a population-based analysis. *Scientific reports*, 14(1), 23837.
- Solares E, et al. (2023) Insights into the domestication of avocado and potential genetic contributors to heterodichogamy. *G3 (Bethesda, Md.)*, 13(2).
- Di Gregorio S, et al. (2023) Genomic epidemiology of *Staphylococcus aureus* isolated from bloodstream infections in South America during 2019 supports regional surveillance. *Microbial genomics*, 9(5).
- Feng C, et al. (2023) Recombination Variation Shapes Phylogeny and Introgression in Wild Diploid Strawberries. *Molecular biology and evolution*, 40(3).
- Tomás-Daza L, et al. (2023) Low input capture Hi-C (liCHi-C) identifies promoter-enhancer interactions at high-resolution. *Nature communications*, 14(1), 268.
- Yun S, et al. (2023) Proxy methods for detection of inhalation exposure in simulated office environments. *Journal of exposure science & environmental epidemiology*, 33(3), 396.
- Crook-Rumsey M, et al. (2023) Multicohort cross-sectional study of cognitive and behavioural digital biomarkers in neurodegeneration: the Living Lab Study protocol. *BMJ open*, 13(8), e072094.
- Wang M, et al. (2023) Cellular reprogramming is driven by widespread rewiring of promoter-enhancer interactions. *BMC biology*, 21(1), 264.
- Wang H, et al. (2022) Piwi/piRNAs control food intake by promoting neuropeptide F expression in locusts. *EMBO reports*, 23(3), e50851.
- Axelrod ML, et al. (2022) Peripheral Blood Monocyte Abundance Predicts Outcomes in Patients with Breast Cancer. *Cancer research communications*, 2(5), 286.
- Moeller M, et al. (2021) An association between prediction errors and risk-seeking: Theory and behavioral evidence. *PLoS computational biology*, 17(7), e1009213.