AdapterRemoval
RRID:SCR_011834
Type: Tool

Proper Citation

AdapterRemoval (RRID:SCR_011834)

Resource Information

URL: https://github.com/MikkelSchubert/adapterremoval

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Description: Software program to remove residual adapter sequences from next generation sequencing reads. Used for cleaning of next-generation sequencing reads. AdapterRemoval v2 introduces improvements in throughput, through use of single instruction, multiple data (SIMD; SSE1 and SSE2) instructions and multi-threading support; handles datasets containing reads or read-pairs with different adapters or adapter pairs; provides simultaneous demultiplexing and adapter trimming; has ability to reconstruct adapter sequences from paired-end reads for poorly documented data sets; provides native gzip and bzip2 support.

Synonyms: AdapterRemoval v2

Resource Type: data analysis software, sequence analysis software, software application, software resource, data processing software

Defining Citation: PMID:22748135, PMID:26868221, DOI:10.1186/s13104-016-1900-2

Keywords: cleaning of next-generation sequencing reads, remove residual adapter sequences, adapter, sequence, residual, next generation sequencing reads,

Funding Agency: Danish National Research Foundation , Lundbeck Foundation Grant , Marie Curie International Outgoing Fellowship within the 7th European Community Framework Programme , Danish Council for Independent Research

Availability: Free, Available for download, Freely available
Resource Name: AdapterRemoval

Resource ID: SCR_011834

Alternate IDs: OMICS_01081

Alternate URLs: https://sources.debian.org/src/adapterremoval/


Record Creation Time: 20220129T080307+0000

Record Last Update: 20240616T053656+0000

Ratings and Alerts

No rating or validation information has been found for AdapterRemoval.

No alerts have been found for AdapterRemoval.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 457 mentions in open access literature.

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

Gavriil M, et al. (2024) 2-Hydroxyglutarate modulates histone methylation at specific loci and alters gene expression via Rph1 inhibition. Life science alliance, 7(2).


Penske S, et al. (2024) Kinship practices at the early bronze age site of Leubingen in Central Germany. Scientific reports, 14(1), 3871.

Hamrefors V, et al. (2024) Gut microbiota composition is altered in postural orthostatic

Zvenigorosky V, et al. (2024) Evaluation of whole-genome enrichment and sequencing of T. pallidum from FFPE samples after 75 years. iScience, 27(1), 108651.

Brealey JC, et al. (2024) Host-gut microbiota interactions shape parasite infections in farmed Atlantic salmon. mSystems, 9(2), e0104323.


Hosseinzadeh L, et al. (2024) The androgen receptor interacts with GATA3 to transcriptionally regulate a luminal epithelial cell phenotype in breast cancer. Genome biology, 25(1), 44.


Port JR, et al. (2023) Infection- or AZD1222 vaccine-mediated immunity reduces SARS-CoV-2 transmission but increases Omicron competitiveness in hamsters. Nature communications,
14(1), 6592.