Resource Summary Report

Generated by kravitz2 on Jul 31, 2026

FLASH

RRID:SCR_005531
Type: Tool

Proper Citation

FLASH (RRID:SCR_005531)

Resource Information

URL: http://ccb.jhu.edu/software/FLASH/

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Description: Open source software tool to merge paired-end reads from next-generation sequencing experiments. Designed to merge pairs of reads when original DNA fragments are shorter than twice length of reads. Can improve genome assemblies and transcriptome assembly by merging RNA-seq data.

Abbreviations: FLASh

Synonyms: Fast Length Adjustment of SHort reads, Fast Length Adjustment of Short reads

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

Defining Citation: PMID:21903629

Keywords: bio.tools

Funding: NLM R01 LM006845;
NIGMS R01 GM083873;
NHGRI R01 HG006677

Availability: Free, Available for download, Freely available

Resource Name: FLASH

Resource ID: SCR_005531

Alternate IDs: biotools:flash, OMICS_01047

Alternate URLs: https://sourceforge.net/projects/flashpage/files/, https://bio.tools/flash, https://sources.debian.org/src/flash/

Record Creation Time: 20220129T080230+0000

Record Last Update: 20260731T042710+0000

Ratings and Alerts

No rating or validation information has been found for FLASH.

No alerts have been found for FLASH.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2175 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Miglierina E, et al. (2026) DIS3 licenses B cells for plasma cell differentiation in humans. Cellular & molecular immunology, 23(1), 31.

Luo H, et al. (2025) Large-Scale T-cell Receptor Repertoire Profiling Unveils Tumor-Specific Signals for Diagnosing Indeterminate Pulmonary Nodules. Cancer research, 85(24), 5141.

Zhen Q, et al. (2025) Erucic Acid, Derived by Lactobacillus Crispatus, Induces Ferroptosis in Cervical Cancer Organoids Through the PPAR-? Signaling Pathway. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(48), e12599.

Jiao X, et al. (2025) Progressive gut microbiota shifts and functional alterations across aging stages and frailty in mice. iScience, 28(7), 112985.

Lei J, et al. (2025) The Gut Microbiota Affects Anti-TNF Responsiveness by Activating the NAD+ Salvage Pathway in Ulcerative Colitis. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(8), e2413128.

Wright G, et al. (2025) A microbial natural product fractionation library screen with HRMS/MS dereplication identifies new lipopeptaibiotics against Candida auris. Research square.

Yang M, et al. (2025) Ningxiang pig-derived lactobacillus reuteri modulates host intramuscular fat deposition via branched-chain amino acid metabolism. Microbiome, 13(1), 32.

Dai Y, et al. (2025) Heme delivery into soluble guanylyl cyclase requires a heme redox change and is regulated by NO and Hsp90 by distinct mechanisms. The Journal of biological chemistry, 301(3), 108315.

Zhao Y, et al. (2025) Effects of Bile Acids on Growth Performance, Hepatopancreatic Antioxidant Capacity, Intestinal Immune-Related Gene Expression, and Gut Microbiota of Penaeus vannamei. Animals : an open access journal from MDPI, 15(2).

Du R, et al. (2025) Discrepancies in the rumen microbiome, metabolome, and serum metabolome among Hu sheep, East Friesian sheep, and East Friesian?×?Hu crossbred sheep. Frontiers in microbiology, 16, 1498050.

Domínguez M, et al. (2025) Long read genome unravels MHC I genomic architecture, evolution, and diversity loss in Gubernatrix cristata. iScience, 28(5), 112301.

Zhao J, et al. (2025) Effect and mechanism of Plantaginis Semen polysaccharides on intestinal microecology in rats with hyperuricemia. Frontiers in microbiology, 16, 1555734.

Xu W, et al. (2025) Distinct Microbial Signatures along the Female Reproductive Tract in Endometrial Cancer Patients. Journal of microbiology and biotechnology, 35, e2503048.

Yang JX, et al. (2025) Nitrogen addition alters arbuscular mycorrhizal fungi and soil bacteria networks without promoting phosphorus mineralization in a semiarid grassland. Communications biology, 8(1), 1229.

Gan L, et al. (2025) Fructose enhances intestinal development and barrier function while driving hepatic lipogenesis and inflammation in broilers. Poultry science, 104(11), 105645.

Yang B, et al. (2025) Inhibition of RNase to Attenuate Fungal-Manipulated Rhizosphere Microbiome and Diseases. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(40), e03146.

Li X, et al. (2025) TSP50 in Neural Stem Cells Regulates Aging-Related Cognitive Decline and Neuroinflammation by Altering the Gut Microbiota. Aging cell, 24(10), e70188.

Yuan Y, et al. (2025) The Effect of the Application of Chemical Fertilizer and Arbuscular MyCorrhizal Fungi on Maize Yield and Soil Microbiota in Saline Agricultural Soil. Journal of fungi (Basel, Switzerland), 11(4).

Zhang C, et al. (2025) Evaluation of feeding effects of pelletized total mixed ration in Hu sheep: growth performance, bacterial community and rumen fermentation. Animal bioscience, 38(10), 2125.

Hong G, et al. (2025) Circadian rhythm perturbation causes IBS-like characteristics and altered fecal metabolome in mice. BMC microbiology, 25(1), 274.