

# Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

## Isa\_slurm

RRID:SCR\_018134

Type: Tool

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### Proper Citation

Isa\_slurm (RRID:SCR\_018134)

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### Resource Information

**URL:** [https://gitlab.com/kyrgyzov/Isa\\_slurm](https://gitlab.com/kyrgyzov/Isa_slurm)

**Proper Citation:** Isa\_slurm (RRID:SCR\_018134)

**Description:** Software tool to implement pre-assembly binning scheme leveraging sparse dictionary learning and matrix factorization to solve sparse decomposition problems arising in field of metagenomics.

**Synonyms:** Metagenomic\_read\_binning\_using\_sparse\_coding

**Resource Type:** software resource, source code

**Keywords:** Sparse dictionary learning, pre-assembly binning scheme, matrix factorization, sparse decomposition, metagenomic, bio.tools

**Availability:** Free, Available for download, Freely available

**Resource Name:** Isa\_slurm

**Resource ID:** SCR\_018134

**Alternate IDs:** biotools:Metagenomic\_read\_binning\_using\_sparse\_coding

**Alternate URLs:** [https://bio.tools/Metagenomic\\_read\\_binning\\_using\\_sparse\\_coding](https://bio.tools/Metagenomic_read_binning_using_sparse_coding)

**License:** MIT License

**Record Creation Time:** 20220129T080338+0000

**Record Last Update:** 20260731T043025+0000

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### Ratings and Alerts

No rating or validation information has been found for Isa\_slurm.

No alerts have been found for Isa\_slurm.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Kyrgyzov O, et al. (2020) Binning unassembled short reads based on k-mer abundance covariance using sparse coding. GigaScience, 9(4).