

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

OLego

RRID:SCR_005811

Type: Tool

Proper Citation

OLego (RRID:SCR_005811)

Resource Information

URL: <http://zhanglab.c2b2.columbia.edu/index.php/OLego>

Proper Citation: OLego (RRID:SCR_005811)

Description: A program specifically designed for de novo spliced mapping of mRNA-seq reads. It adopts a multiple-seed-and-extend scheme, and does not rely on a separate external mapper.

Abbreviations: OLego

Resource Type: software resource

Keywords: bio.tools

Resource Name: OLego

Resource ID: SCR_005811

Alternate IDs: biotools:olego, OMICS_01244

Alternate URLs: <https://bio.tools/olego>

Record Creation Time: 20220129T080232+0000

Record Last Update: 20260808T185848+0000

Ratings and Alerts

No rating or validation information has been found for OLego.

No alerts have been found for OLego.

Data and Source Information

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Tajima Y, et al. (2025) A humanized NOVA1 splicing factor alters mouse vocal communications. *Nature communications*, 16(1), 1542.

Wang J, et al. (2024) Regulation of endocrine cell alternative splicing revealed by single-cell RNA sequencing in type 2 diabetes pathogenesis. *Communications biology*, 7(1), 778.

Recinos Y, et al. (2024) CRISPR-dCas13d-based deep screening of proximal and distal splicing-regulatory elements. *Nature communications*, 15(1), 3839.

Hayakawa-Yano Y, et al. (2024) Qki5 safeguards spinal motor neuron function by defining the motor neuron-specific transcriptome via pre-mRNA processing. *Proceedings of the National Academy of Sciences of the United States of America*, 121(37), e2401531121.

Recinos Y, et al. (2024) Lineage-specific splicing regulation of MAPT gene in the primate brain. *Cell genomics*, 4(6), 100563.

Yoshioka N, et al. (2022) Isoform-specific mutation in Dystonin-b gene causes late-onset protein aggregate myopathy and cardiomyopathy. *eLife*, 11.

Bizen N, et al. (2022) Ddx20, an Olig2 binding factor, governs the survival of neural and oligodendrocyte progenitor cells via proper Mdm2 splicing and p53 suppression. *Cell death and differentiation*, 29(5), 1028.

Liang L, et al. (2021) Developmental dynamics of voltage-gated sodium channel isoform expression in the human and mouse brain. *Genome medicine*, 13(1), 135.

Van Alstyne M, et al. (2021) Gain of toxic function by long-term AAV9-mediated SMN overexpression in the sensorimotor circuit. *Nature neuroscience*, 24(7), 930.

Oku S, et al. (2020) Alternative splicing at neuroligin site A regulates glycan interaction and synaptogenic activity. *eLife*, 9.

Apicco DJ, et al. (2019) Dysregulation of RNA Splicing in Tauopathies. *Cell reports*, 29(13), 4377.

Sereti KI, et al. (2018) Analysis of cardiomyocyte clonal expansion during mouse heart development and injury. *Nature communications*, 9(1), 754.

Yuan Y, et al. (2018) Cell type-specific CLIP reveals that NOVA regulates cytoskeleton interactions in motoneurons. *Genome biology*, 19(1), 117.

Weyn-Vanhentenryck SM, et al. (2018) Precise temporal regulation of alternative splicing during neural development. *Nature communications*, 9(1), 2189.

Jagielska A, et al. (2017) Mechanical Strain Promotes Oligodendrocyte Differentiation by Global Changes of Gene Expression. *Frontiers in cellular neuroscience*, 11, 93.