

# Resource Summary Report

Generated by [Kravitz](#) on Sep 10, 2026

## JointSNVMix

RRID:SCR\_006804

Type: Tool

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### Proper Citation

JointSNVMix (RRID:SCR\_006804)

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### Resource Information

**URL:** <http://compbio.bccrc.ca/software/jointsnvmix/>

**Proper Citation:** JointSNVMix (RRID:SCR\_006804)

**Description:** Software that implements a probabilistic graphical model to analyze sequence data from tumor / normal pairs. The model draws statistical strength by analysing both genome jointly to more accurately classify germline and somatic mutations. It effectively reduces false positive somatic mutation predictions in tumour-normal pair sequencing data. It is highly recommended to post-process results with mutationSeq in order to filter technical artifacts.

**Abbreviations:** JointSNVMix

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

**Defining Citation:** [PMID:22285562](#)

**Keywords:** tumor, cancer, normal, somatic mutation, mutation

**Availability:** GNU General Public License, v3, Registration required

**Resource Name:** JointSNVMix

**Resource ID:** SCR\_006804

**Alternate IDs:** OMICS\_00085

**Record Creation Time:** 20220129T080238+0000

**Record Last Update:** 20260905T132601+0000

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### Ratings and Alerts

No rating or validation information has been found for JointSNVMix.

No alerts have been found for JointSNVMix.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Karasozen Y, et al. (2025) Low-Allele-Frequency Somatic Variants in a Cohort of Sporadic Saccular "Berry" Cerebral Aneurysms. Journal of the American Heart Association, 14(18), e032483.

Krull JE, et al. (2024) Follicular lymphoma B cells exhibit heterogeneous transcriptional states with associated somatic alterations and tumor microenvironments. Cell reports. Medicine, 5(3), 101443.

Bohannon ZS, et al. (2019) Calling Variants in the Clinic: Informed Variant Calling Decisions Based on Biological, Clinical, and Laboratory Variables. Computational and structural biotechnology journal, 17, 561.

Sun Z, et al. (2017) Indel detection from RNA-seq data: tool evaluation and strategies for accurate detection of actionable mutations. Briefings in bioinformatics, 18(6), 973.

Bohnert R, et al. (2017) Comprehensive benchmarking of SNV callers for highly admixed tumor data. PloS one, 12(10), e0186175.

Reuter JA, et al. (2016) Simul-seq: combined DNA and RNA sequencing for whole-genome and transcriptome profiling. Nature methods, 13(11), 953.

Ryland GL, et al. (2015) Mutational landscape of mucinous ovarian carcinoma and its neoplastic precursors. Genome medicine, 7(1), 87.

Li Y, et al. (2015) MixClone: a mixture model for inferring tumor subclonal populations. BMC genomics, 16 Suppl 2(Suppl 2), S1.

Denroche RE, et al. (2015) A cancer cell-line titration series for evaluating somatic classification. BMC research notes, 8, 823.

Ha G, et al. (2012) Integrative analysis of genome-wide loss of heterozygosity and monoallelic expression at nucleotide resolution reveals disrupted pathways in triple-negative breast cancer. Genome research, 22(10), 1995.