# Resource Summary Report

Generated by SPARC SAWG on Aug 13, 2026

## SomaticSeq

RRID:SCR_024891
Type: Tool

### Proper Citation

SomaticSeq (RRID:SCR_024891)

### Resource Information

**URL:** https://github.com/bioinform/somaticseq

**Proper Citation:** SomaticSeq (RRID:SCR_024891)

**Description:** Software accurate somatic mutation detection pipeline implementing stochastic boosting algorithm to produce somatic mutation calls for both single nucleotide variants and small insertions and deletions. NGS variant calling and classification.

**Resource Type:** software toolkit, software resource

**Defining Citation:** PMID:26381235

**Keywords:** NGS variant calling and classification, somatic mutation detection, somatic mutation calls, single nucleotide variants, detect somatic mutations,

**Funding:** NIGMS R01 GM109836;
NHGRI R01 HG007834

**Resource Name:** SomaticSeq

**Resource ID:** SCR_024891

**License:** BSD-2-Clause

**Record Creation Time:** 20240117T050246+0000

**Record Last Update:** 20260810T040907+0000

### Ratings and Alerts

No rating or validation information has been found for SomaticSeq.

No alerts have been found for SomaticSeq.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 6 mentions in open access literature.

**Listed below are recent publications.** The full list is available at SPARC SAWG .


Li D, et al. (2025) Augmenting precision medicine via targeted RNA-Seq detection of expressed mutations. NPJ precision oncology, 9(1), 182.

Iser F, et al. (2024) Cerebrospinal Fluid cfDNA Sequencing for Classification of Central Nervous System Glioma. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(14), 2974.

Starrett GJ, et al. (2024) Multiomics Profiling Distinguishes Sebaceous Carcinoma from Benign Sebaceous Neoplasms and Provides Insight into the Genetic Evolution of Sebaceous Carcinogenesis. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(21), 4887.

Amin SB, et al. (2020) Comparative Molecular Life History of Spontaneous Canine and Human Gliomas. Cancer cell, 37(2), 243.

Sahraeian SME, et al. (2019) Deep convolutional neural networks for accurate somatic mutation detection. Nature communications, 10(1), 1041.

Fang LT, et al. (2015) An ensemble approach to accurately detect somatic mutations using SomaticSeq. Genome biology, 16(1), 197.