

# Resource Summary Report

Generated by [dkNET](#) on Aug 17, 2026

## SigProfilerAssignment

RRID:SCR\_026899

Type: Tool

---

### Proper Citation

SigProfilerAssignment (RRID:SCR\_026899)

---

### Resource Information

**URL:** <https://github.com/AlexandrovLab/SigProfilerAssignment>

**Proper Citation:** SigProfilerAssignment (RRID:SCR\_026899)

**Description:** Software tool for assignment of known mutational signatures to individual samples and individual somatic mutations.

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

**Defining Citation:** [PMID:37502962](#)

**Keywords:** assignment of known mutational signatures, individual samples, individual somatic mutations,

**Funding:** Cancer Research UK Grand Challenge Award ;  
NIEHS R01ES030993;  
NIEHS R01ES032547;  
NCI R01CA269919;  
Packard Fellowship for Science and Engineering

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

**Resource Name:** SigProfilerAssignment

**Resource ID:** SCR\_026899

**License:** BSD-2-Clause license

**Record Creation Time:** 20250503T055712+0000

**Record Last Update:** 20260817T040729+0000

---

### Ratings and Alerts

No rating or validation information has been found for SigProfilerAssignment.

No alerts have been found for SigProfilerAssignment.

---

## Data and Source Information

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

---

## Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Lee H, et al. (2026) Multimodal antigenic escape to GPRC5D-targeted T cell engagers in multiple myeloma. *Nature medicine*, 32(3), 964.

Huang KK, et al. (2026) Mutational Signatures and Clonal Hematopoiesis in Intestinal Metaplasia across Countries with Varying Stomach Cancer Incidence. *Cancer discovery*, 16(3), 497.

Huffman BM, et al. (2026) A Phase II Trial of Niraparib in Patients with Advanced Pancreatic Cancer Harboring Pathogenic Variants in ATM, BRCA1, BRCA2, PALB2, and CHEK2. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(9), 1666.

Gurjao C, et al. (2026) Germline Predisposition to Oncogenic Alkylating Damage in Colorectal Cancer. *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*, 35(3), 420.

Chang HY, et al. (2026) Uniform Processing of Diverse Sequencing Data: A Cross-Population Comparison of Colon Cancer Genomic Landscapes from The Cancer Genome Atlas and a Chinese Cohort. *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*, 35(5), 762.

Mitchell E, et al. (2025) The long-term effects of chemotherapy on normal blood cells. *Nature genetics*, 57(7), 1684.

Neville MDC, et al. (2025) Sperm sequencing reveals extensive positive selection in the male germline. *Nature*, 647(8089), 421.

Asada S, et al. (2025) Disruption of Microhomology-mediated End-joining in Ewing Sarcoma. *bioRxiv : the preprint server for biology*.

Micoli G, et al. (2025) Decoding the Genomic and Functional Landscape of Emerging Subtypes in Ovarian Cancer. *Cancer discovery*, 15(11), 2262.

Zhu G, et al. (2025) Defective Microhomology-Mediated End-joining in SMARCB1-Deficient Tumors. bioRxiv : the preprint server for biology.

Fielding D, et al. (2024) Evaluation of Endobronchial Ultrasound-Guided Transbronchial Needle Aspiration (EBUS-TBNA) Samples from Advanced Non-Small Cell Lung Cancer for Whole Genome, Whole Exome and Comprehensive Panel Sequencing. Cancers, 16(4).

Bonjoch L, et al. (2023) Unraveling the impact of a germline heterozygous POLD1 frameshift variant in serrated polyposis syndrome. Frontiers in molecular biosciences, 10, 1119900.