

Resource Summary Report

Generated by [ASWG](#) on Aug 27, 2026

Assembly Based ReAligner

RRID:SCR_003277

Type: Tool

Proper Citation

Assembly Based ReAligner (RRID:SCR_003277)

Resource Information

URL: <https://github.com/mozack/abra>

Proper Citation: Assembly Based ReAligner (RRID:SCR_003277)

Description: Software that is a realigner for next generation sequencing data. It uses localized assembly and global realignment to align reads more accurately, thus improving downstream analysis (detection of indels and complex variants in particular).

Abbreviations: ABRA

Synonyms: ABRA - Assembly Based ReAligner

Resource Type: software resource

Defining Citation: [PMID:24907369](#)

Keywords: standalone software, c, c++, java, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: Assembly Based ReAligner

Resource ID: SCR_003277

Alternate IDs: OMICS_04668, biotools:abra

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

Record Creation Time: 20220129T080218+0000

Record Last Update: 20260815T182230+0000

Ratings and Alerts

No rating or validation information has been found for Assembly Based ReAligner.

No alerts have been found for Assembly Based ReAligner.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Ibusuki R, et al. (2026) Association of TP53 gain-of-function mutations with early osimertinib resistance in epidermal growth factor receptor-mutant lung adenocarcinoma. ESMO open, 11(7), 108018.

Roush SM, et al. (2026) Mutational profiling of HIV+ diffuse large B-cell lymphoma reveals distinct mutational features with evidence of genomic instability. AIDS (London, England), 40(6), 719.

Roush SM, et al. (2025) Shared genomic features of HIV+ diffuse large B-cell lymphoma in two African cohorts. Scientific reports, 15(1), 24599.

Beck S, et al. (2025) Immunogenomic profiles of HIV-associated classic Hodgkin lymphoma from Malawi. Blood global hematology, 1(3).

Di Genova A, et al. (2022) A molecular phenotypic map of malignant pleural mesothelioma. GigaScience, 12.

Ruscetti M, et al. (2020) Senescence-Induced Vascular Remodeling Creates Therapeutic Vulnerabilities in Pancreas Cancer. Cell, 181(2), 424.

Fiore D, et al. (2020) A Novel JAK1 Mutant Breast Implant-Associated Anaplastic Large Cell Lymphoma Patient-Derived Xenograft Fostering Pre-Clinical Discoveries. Cancers, 12(6).

Gabriel AAG, et al. (2020) A molecular map of lung neuroendocrine neoplasms. GigaScience, 9(11).

Beck-Wödl S, et al. (2018) Homozygous TBC1 domain-containing kinase (TBCK) mutation causes a novel lysosomal storage disease - a new type of neuronal ceroid lipofuscinosis (CLN15)? Acta neuropathologica communications, 6(1), 145.

Coombs CC, et al. (2017) Therapy-Related Clonal Hematopoiesis in Patients with Non-hematologic Cancers Is Common and Associated with Adverse Clinical Outcomes. Cell stem cell, 21(3), 374.