

# Resource Summary Report

Generated by [RRID](#) on Aug 4, 2026

## SeqAnt

RRID:SCR\_005186

Type: Tool

### Proper Citation

SeqAnt (RRID:SCR\_005186)

### Resource Information

**URL:** <http://seqant.genetics.emory.edu/>

**Proper Citation:** SeqAnt (RRID:SCR\_005186)

**Description:** A free web service and open source software package that performs rapid, automated annotation of DNA sequence variants (single base mutations, insertions, deletions) discovered with any sequencing platform. Variant sites are characterized with respect to their functional type (Silent, Replacement, 5' UTR, 3' UTR, Intronic, Intergenic), whether they have been previously submitted to dbSNP, and their evolutionary conservation. Annotated variants can be viewed directly on the web browser, downloaded in a tab delimited text file, or directly uploaded in a Browser Extended Data (BED) format to the UCSC genome browser. SeqAnt further identifies all loci harboring two or more coding sequence variants that help investigators identify potential compound heterozygous loci within exome sequencing experiments. In total, SeqAnt resolves a significant bottleneck by allowing an investigator to rapidly prioritize the functional analysis of those variants of interest.

**Abbreviations:** SeqAnt

**Synonyms:** SeqAnt - Sequence Annotator

**Resource Type:** production service resource, data analysis service, analysis service resource, service resource, software resource

**Defining Citation:** [PMID:20854673](#)

**Keywords:** annotation, dna sequence variant, single base mutation, insertion, deletion, sequencing, mutation, variant, sequence variant, perl, sequence, genome

**Availability:** GNU General Public License, v2

**Resource Name:** SeqAnt

**Resource ID:** SCR\_005186

**Alternate IDs:** OMICS\_00182

**Record Creation Time:** 20220129T080228+0000

**Record Last Update:** 20260804T043237+0000

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## Ratings and Alerts

No rating or validation information has been found for SeqAnt.

No alerts have been found for SeqAnt.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Denson LA, et al. (2018) Clinical and Genomic Correlates of Neutrophil Reactive Oxygen Species Production in Pediatric Patients With Crohn's Disease. Gastroenterology, 154(8), 2097.

Pan F, et al. (2017) Tet2 loss leads to hypermutagenicity in haematopoietic stem/progenitor cells. Nature communications, 8, 15102.