

# Resource Summary Report

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

## VariationHunter

RRID:SCR\_004865

Type: Tool

### Proper Citation

VariationHunter (RRID:SCR\_004865)

### Resource Information

**URL:** <http://compbio.cs.sfu.ca/software-variation-hunter>

**Proper Citation:** VariationHunter (RRID:SCR\_004865)

**Description:** A software tool for discovery of structural variation in one or more individuals simultaneously using high throughput technologies.

**Abbreviations:** VariationHunter

**Synonyms:** VariationHunter-CommonLaw

**Resource Type:** software resource

**Defining Citation:** [PMID:22048523](#), [PMID:20529927](#)

**Keywords:** structural variation, genome, next-generation sequencing

**Resource Name:** VariationHunter

**Resource ID:** SCR\_004865

**Alternate IDs:** OMICS\_00328

**Record Creation Time:** 20220129T080227+0000

**Record Last Update:** 20260801T190248+0000

### Ratings and Alerts

No rating or validation information has been found for VariationHunter.

No alerts have been found for VariationHunter.

### Data and Source Information

## Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Kathuria K, et al. (2020) SVXplorer: Three-tier approach to identification of structural variants via sequential recombination of discordant cluster signatures. PLoS computational biology, 16(3), e1007737.

Sun L, et al. (2019) TDNAScan: A Software to Identify Complete and Truncated T-DNA Insertions. Frontiers in genetics, 10, 685.

Russell CW, et al. (2019) Comprehensive Identification of Fim-Mediated Inversions in Uropathogenic Escherichia coli with Structural Variation Detection Using Relative Entropy. mSphere, 4(2).

Kosugi S, et al. (2019) Comprehensive evaluation of structural variation detection algorithms for whole genome sequencing. Genome biology, 20(1), 117.

Eslami Rasekh M, et al. (2017) Discovery of large genomic inversions using long range information. BMC genomics, 18(1), 65.

Haraksingh RR, et al. (2017) Comprehensive performance comparison of high-resolution array platforms for genome-wide Copy Number Variation (CNV) analysis in humans. BMC genomics, 18(1), 321.

Soylev A, et al. (2017) Toolkit for automated and rapid discovery of structural variants. Methods (San Diego, Calif.), 129, 3.

Xia LC, et al. (2016) A genome-wide approach for detecting novel insertion-deletion variants of mid-range size. Nucleic acids research, 44(15), e126.

Ewing AD, et al. (2015) Transposable element detection from whole genome sequence data. Mobile DNA, 6, 24.

Haff E, et al. (2015) Jitterbug: somatic and germline transposon insertion detection at single-nucleotide resolution. BMC genomics, 16, 768.

Han BW, et al. (2015) piPipes: a set of pipelines for piRNA and transposon analysis via small RNA-seq, RNA-seq, degradome- and CAGE-seq, ChIP-seq and genomic DNA sequencing. Bioinformatics (Oxford, England), 31(4), 593.

Wong LP, et al. (2013) Deep whole-genome sequencing of 100 southeast Asian Malays. American journal of human genetics, 92(1), 52.