

# Resource Summary Report

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## GATK HaplotypeCaller

RRID:SCR\_028440

Type: Tool

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### Proper Citation

GATK HaplotypeCaller (RRID:SCR\_028440)

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### Resource Information

**URL:** <https://gatk.broadinstitute.org/hc/en-us/articles/360042913231-HaplotypeCaller>

**Proper Citation:** GATK HaplotypeCaller (RRID:SCR\_028440)

**Description:** Software tool for identifying single nucleotide polymorphisms (SNPs) and insertion/deletion (indels) variants, offering high accuracy via local de-novo assembly of reads. It works by identifying "active regions" with potential variation, reassembling those reads, and calculating genotype likelihoods, making it superior for complex variant detection.

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

**Defining Citation:** [DOI:10.1101/201178](https://doi.org/10.1101/201178)

**Keywords:** identifying single nucleotide polymorphisms, insertion, deletion, indels, variants, local de-novo assembly of reads,

**Availability:** Free, Freely available

**Resource Name:** GATK HaplotypeCaller

**Resource ID:** SCR\_028440

**Alternate URLs:** <https://gatk.broadinstitute.org/hc/en-us>,  
<https://gatk.broadinstitute.org/hc/en-us/articles/360035531412-HaplotypeCaller-in-a-nutshell>

**Record Creation Time:** 20260514T062433+0000

**Record Last Update:** 20260801T191442+0000

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### Ratings and Alerts

No rating or validation information has been found for GATK HaplotypeCaller.

No alerts have been found for GATK HaplotypeCaller.

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## Data and Source Information

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

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.