

# Resource Summary Report

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## GHOST

RRID:SCR\_009209

Type: Tool

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### Proper Citation

GHOST (RRID:SCR\_009209)

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### Resource Information

**URL:** <http://www.sph.umich.edu/csg/chen/ghost/>

**Proper Citation:** GHOST (RRID:SCR\_009209)

**Description:** Software package for family-based genomewide association (GWA) analysis, with the ability to infer missing genotypes using the Elston-Stewart algorithm. When SNPs from an association panel are less complete (i.e., having more missing genotypes) than markers from a linkage panel, many of the missing genotypes can be determined. GHOST can handle large pedigrees -- when pedigrees are small, Merlin is also recommended for this analysis. (entry from Genetic Analysis Software)

**Abbreviations:** GHOST

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

**Keywords:** gene, genetic, genomic

**Resource Name:** GHOST

**Resource ID:** SCR\_009209

**Alternate IDs:** nlx\_154357

**Record Creation Time:** 20220129T080251+0000

**Record Last Update:** 20260919T195801+0000

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### Ratings and Alerts

No rating or validation information has been found for GHOST.

No alerts have been found for GHOST.

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### Data and Source Information

## Usage and Citation Metrics

We found 69 mentions in open access literature.

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

Seo H, et al. (2026) CrossSwap: A shape-aware identity cross-attention face swapping framework. PloS one, 21(5), e0349356.

Tully D, et al. (2025) Genomic surveillance uncovers regional variation in HCV transmission networks among people who use drugs in rural U.S. communities. Research square.

Zhang X, et al. (2025) Small target detection in UAV view based on improved YOLOv8 algorithm. Scientific reports, 15(1), 421.

Akiyama MJ, et al. (2025) Leveraging Injection Networks to Prevent HIV and Other Blood Borne Infections Among People Who Inject Drugs in Kenya: Design and Rationale. Research square.

Han Y, et al. (2025) Multi-defect detection and classification for aluminum alloys with enhanced YOLOv8. PloS one, 20(3), e0316817.

Yaamini HSG, et al. (2025) Lane and Traffic Sign Detection for Autonomous Vehicles: Addressing Challenges on Indian Road Conditions. MethodsX, 14, 103178.

He J, et al. (2025) Applied research on innovation and development of blue calico of Chinese intangible cultural heritage based on artificial intelligence. Scientific reports, 15(1), 12829.

Mura DA, et al. (2025) YOLO-Tryppla: A Novel YOLO-Based Approach for Rapid and Accurate Detection of Small Trypanosoma Parasites. Journal of imaging, 11(4).

Cerbule K, et al. (2025) Pot losses and associated implications in Barents sea snow crab fishery. Scientific reports, 15(1), 14961.

Du Y, et al. (2025) Mobile malware detection method using improved GhostNetV2 with image enhancement technique. Scientific reports, 15(1), 25019.

Bernadskaya YY, et al. (2025) Cell cycle-driven transcriptome maturation confers multilineage competence to cardiopharyngeal progenitors. The EMBO journal, 44(24), 7649.

Glick C, et al. (2025) Concurrent single-pulse TMS-fMRI dataset to reveal the causal connectome in healthy and patient populations. Scientific data, 12(1), 1081.

Wang H, et al. (2025) Efficient Generative-Adversarial U-Net for Multi-Organ Medical Image Segmentation. Journal of imaging, 11(1).

Mohamed AA, et al. (2025) Attention-based hybrid deep learning model with CSFOA optimization and G-TverskyUNet3+ for Arabic sign language recognition. Scientific reports, 15(1), 20313.

Tang D, et al. (2025) A global object-oriented dynamic network for low-altitude remote sensing object detection. Scientific reports, 15(1), 19071.

Akiyama MJ, et al. (2024) Widespread hepatitis C virus transmission network among people who inject drugs in Kenya. International journal of infectious diseases : IJID : official publication of the International Society for Infectious Diseases, 147, 107215.

Johnson CJ, et al. (2024) Specification of distinct cell types in a sensory-adhesive organ important for metamorphosis in tunicate larvae. PLoS biology, 22(3), e3002555.

Wang S, et al. (2024) YOLO-SK: A lightweight multiscale object detection algorithm. Heliyon, 10(2), e24143.

Solis-Leal A, et al. (2024) The HIV-1 vpr R77Q Mutant Induces Apoptosis, G2 Cell Cycle Arrest, and Lower Production of Pro-Inflammatory Cytokines in Human CD4+ T Cells. Viruses, 16(10).

Levitas DJ, et al. (2024) Dynamic threat-reward neural processing under semi-naturalistic ecologically relevant scenarios. Human brain mapping, 45(4), e26648.