

Resource Summary Report

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GHOST

RRID:SCR_009209

Type: Tool

Proper Citation

GHOST (RRID:SCR_009209)

Resource Information

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

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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 resource, software application

Keywords: gene, genetic, genomic

Resource Name: GHOST

Resource ID: SCR_009209

Alternate IDs: nlx_154357

Record Creation Time: 20220129T080251+0000

Record Last Update: 20260731T042803+0000

Ratings and Alerts

No rating or validation information has been found for GHOST.

No alerts have been found for GHOST.

Data and Source Information

Usage and Citation Metrics

We found 68 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

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

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.

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

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

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.

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.

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.

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

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

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.

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.

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

Frese AN, et al. (2024) Quantitative proteome dynamics across embryogenesis in a model chordate. *iScience*, 27(4), 109355.

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).