

Resource Summary Report

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Arden

RRID:SCR_015975

Type: Tool

Proper Citation

Arden (RRID:SCR_015975)

Resource Information

URL: <http://sourceforge.net/projects/arden/>

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Description: Software for specificity control of read alignments using an artificial reference. It estimates error rates based on real experimental reads and an additionally generated artificial reference genome. It can be used to optimize parameters for read mappers, to select read mappers for a specific problem or also to filter alignments based on quality estimation.

Synonyms: ARDEN: Artificial Reference Driven Estimation of false positives in NGS data, Artificial Reference Driven Estimation of false positives in NGS data

Resource Type: alignment software, data processing software, image analysis software, software application, software resource, software toolkit, source code

Defining Citation: [PMID:23685787](https://pubmed.ncbi.nlm.nih.gov/23685787/), [DOI:10.1093/bioinformatics/btt255](https://doi.org/10.1093/bioinformatics/btt255)

Keywords: software, alignment, artificial, reference, estimate, error, genome, false, positive, next, generation, sequencing, DNA, python

Funding: Robert Koch-Institute (RKI)

Availability: Free, Freely available

Resource Name: Arden

Resource ID: SCR_015975

Alternate IDs: OMICS_09783

Alternate URLs: <https://sources.debian.org/src/ariba/>

Record Creation Time: 20220129T080328+0000

Ratings and Alerts

No rating or validation information has been found for Arden.

No alerts have been found for Arden.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 49 mentions in open access literature.

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

Mondal N, et al. (2026) Patterns, drivers, and trends of urban cooling demand across global cities. Nature communications, 17(1).

Rach H, et al. (2025) The electroretinography to identify biomarkers of idiopathic hypersomnia and narcolepsy type 1. Journal of sleep research, 34(1), e14278.

Ula? M, et al. (2025) Targeting oxidative stress and metal imbalance in cerebral ischemia: the neuroprotective role of sodium valproate. Scientific reports, 15(1), 27529.

Güven NM, et al. (2024) Investigation of the Expression of CYP3A4 in Diabetic Rats in Xenobiotic Metabolism. Turkish journal of pharmaceutical sciences, 21(1), 81.

Aykal MB, et al. (2024) Effects of Boric acid as Maternal Feed Additives on the Development and Sex Ratio of Mouse pups. Biological trace element research, 202(12), 5572.

Lages J, et al. (2024) Excess degassing drives long-term volcanic unrest at Nevado del Ruiz. Scientific reports, 14(1), 1230.

Tonet V, et al. (2023) Deadly acceleration in dehydration of Eucalyptus viminalis leaves coincides with high-order vein cavitation. Plant physiology, 191(3), 1648.

Fang Y, et al. (2022) Combination of Trabeculectomy and Primary Pars Plana Vitrectomy in the Successful Treatment of Angle-Closure Glaucoma with BEST1 Mutations: Self-Controlled Case Series. Ophthalmology and therapy, 11(6), 2271.

Wang R, et al. (2022) Adsorption Equilibrium and Mechanism and of Water Molecule on the Surfaces of Molybdenite (MoS₂) Based on Kinetic Monte-Carlo Method. Molecules (Basel, Switzerland), 27(24).

Padhy SK, et al. (2022) Clinical and visual electrophysiological characteristics of vitelliform macular dystrophies in the first decade of life. Indian journal of ophthalmology, 70(7),

2516.

Garip Kuebler A, et al. (2022) Evaluating the interreader agreement and intrareader reproducibility of Visual Field Defects in Thyroid Eye Disease- Compressive Optic Neuropathy. *Eye* (London, England), 36(4), 724.

Nowomiejska K, et al. (2022) Disease expression caused by different variants in the BEST1 gene: genotype and phenotype findings in bestrophinopathies. *Acta ophthalmologica*, 100(3), e847.

Knittle K, et al. (2022) Movement as Medicine for Cardiovascular Disease Prevention: Pilot Feasibility Study of a Physical Activity Promotion Intervention for At-Risk Patients in Primary Care. *JMIR cardio*, 6(1), e29035.

Hartmann TE, et al. (2021) Associations between exercise, inflammation and symptom severity in those with mental health disorders. *Cytokine*, 146, 155648.

Noronha BP, et al. (2021) Cytomegalovirus and herpes simplex type 1 infections and immunological profile of community-dwelling older adults. *Experimental gerontology*, 149, 111337.

Garip Kuebler A, et al. (2021) A pathological indicator for dysthyroid optic neuropathy: tritan color vision deficiency. *Graefe's archive for clinical and experimental ophthalmology = Albrecht von Graefes Archiv fur klinische und experimentelle Ophthalmologie*, 259(11), 3421.

Parisi V, et al. (2021) Neural Conduction Along Postretinal Visual Pathways in Glaucoma. *Frontiers in aging neuroscience*, 13, 697425.

Soares A, et al. (2021) A Comparison of Arden Syntax and Clinical Quality Language as Knowledge Representation Formalisms for Clinical Decision Support. *Applied clinical informatics*, 12(3), 495.

Ismail AH, et al. (2021) A Quasi-Randomized Controlled Trial of the I-PLAN Intervention to Promote Hearing Aid Use Among First-Time Adult Hearing Aid Users. *Trends in hearing*, 25, 2331216520969472.

Armanhi JSL, et al. (2021) Modulating Drought Stress Response of Maize by a Synthetic Bacterial Community. *Frontiers in microbiology*, 12, 747541.