BEAGLE
RRID:SCR_001789
Type: Tool

Proper Citation

BEAGLE (RRID:SCR_001789)

Resource Information

URL: http://faculty.washington.edu/browning/beagle/beagle.html

Description: Software package for analysis of large-scale genetic data sets with hundreds of thousands of markers genotyped on thousands of samples. BEAGLE can * phase genotype data (i.e. infer haplotypes) for unrelated individuals, parent-offspring pairs, and parent-offspring trios. * infer sporadic missing genotype data. * impute ungenotyped markers that have been genotyped in a reference panel. * perform single marker and haplotypic association analysis. * detect genetic regions that are homozygous-by-descent in an individual or identical-by-descent in pairs of individuals. Beagle can also be used in conjunction with PRESTO, a program for fast and flexible permutation testing. PRESTO can compute empirical distributions of order statistics, analyze stratified data, and determine significance levels for one-stage and two-stage genetic association studies. BEAGLE is written in Java and runs on any computing platform with a Java version 1.6 interpreter (e.g. Windows, Unix, Linux, Solaris, Mac).

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Resource Type: Resource, software resource, software application

Keywords: gene, genetic, genomic, java, ms-windows, linux, unix, solaris, macos, identity by descent, genotype, haplotype

Resource ID: SCR_001789

Parent Organization: University of Washington; Seattle; USA

References: PMID:17924348, PMID:17326099, PMID:21310274
Availability: Acknowledgement requested, Free, Public

Website Status: Last checked up

Alternate IDs: nlx_154238, OMICS_00201

Old URLs: https://www.stat.auckland.ac.nz/%7Ebrowning/beagle/beagle.html

Abbreviations: BEAGLE

Mentions Count: 949

Ratings and Alerts

No rating or validation information has been found for BEAGLE.

No alerts have been found for BEAGLE.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 949 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch Infrastructure.


