

Package: BIGDAWG (via r-universe)

October 1, 2026

Type Package

Title Case-Cotrol Analysis of Multi-Allelic Loci

Version 3.1.0

Date 2026-04-29

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URL <https://github.com/IgDAWG/BIGDAWG>

BugReports <https://github.com/IgDAWG/BIGDAWG/issues>

Description Data sets and functions for chi-squared Hardy-Weinberg and case-control association tests of highly polymorphic genetic data [e.g., human leukocyte antigen (HLA) data]. Performs association tests at multiple levels of polymorphism (haplotype, locus and HLA amino-acids) as described in Pappas DJ, Marin W, Hollenbach JA, Mack SJ (2016) <[doi:10.1016/j.humimm.2015.12.006](https://doi.org/10.1016/j.humimm.2015.12.006)>. Combines rare variants to a common class to account for sparse cells in tables as described by Hollenbach JA, Mack SJ, Thomson G, Gourraud PA (2012) <[doi:10.1007/978-1-61779-842-9_14](https://doi.org/10.1007/978-1-61779-842-9_14)>.

License GPL (>= 3)

LazyData True

Depends R (>= 4.0.0)

Imports XML, haplo.stats, parallel

Suggests knitr, rmarkdown

VignetteBuilder knitr

RoxygenNote 7.3.3

Encoding UTF-8

Config/pak/sysreqs libxml2-dev

Repository <https://igdawg.r-universe.dev>

Date/Publication 2026-04-30 05:25:10 UTC

RemoteUrl <https://github.com/igdawg/bigdawg>

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RemoteRef HEAD

RemoteSha 7f006b2a27d0c2c4b2ffbc280585f713db5f6f66