Package 'ADGWAS'

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Type One R package

Tittle ADGWAS

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Description ADGWAS is an open R package to conduct GWA (Genome Wide association) studies by Anderson-Darling test in subpopulation. This provides you another alternative which is worth trying for your GWA studies.

Platform Windows

Depends R (>= 3.0.2)

License GPL (>= 2)

URL http://www.maizego.org

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ADGWAS	Anderson-Darling test for GWAS

Description

This function need you prepare genotype file, phenotype file and population file in advance.

Usage

ADGWAS ("genotype file name", " phenotype file name", "population file name")

Examples

Library(ADGWAS)

ADGWAS("genotype.txt", "phenotype.txt", "population.txt")

…

Results

SNPs name	Chromosome	Physical position	Subpop	p-value
PZE-110000010	10	628920	subpop-1	0.42

In terms of data format, please refer to the files in Sample folder and get more information. The data in the Sample folder is from our published work (Li et al. 2012 PLoS ONE 7(5): e36807)

References

Scholz, F. W. and Stephens, M. A. (1987), K-sample Anderson-Darling Tests, Journal of the American Statistical Association, Vol 82, No. 399, 918–924.

Statement: part of the code was referred from Fritz Scholz' work (ADK package)