Resource Summary Report

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Single Nucleotide Polymorphism Spectral Decomposition (SNPSpD)

RRID:SCR_008621
Type: Tool

Proper Citation

Single Nucleotide Polymorphism Spectral Decomposition (SNPSpD) (RRID:SCR_008621)

Resource Information

URL: http://gump.qimr.edu.au/general/daleN/SNPSpD/

Proper Citation: Single Nucleotide Polymorphism Spectral Decomposition (SNPSpD) (RRID:SCR_008621)

Description: SNPSpD is a method of correcting for non-independance of single nucleotide polymorphisms (SNPs) in linkage disequilibrium (LD) with each other, on the basis of the spectral decomposition (SpD) of matrices of LD between SNP"s. Additionally, output from SNPSpD includes eigenvalues, principal-component coefficients, and factor loadings after varimax rotation, enabling the selection of a subset of SNPs that optimize the information in a genomic region.

Abbreviations: SNPSpD

Synonyms: Single Nucleotide Polymorphism Spectral Decomposition

Resource Type: production service resource, data analysis service, service resource, analysis service resource

Defining Citation: PMID:14997420

Keywords: bio.tools

Funding: National Health and MRC Australia 241916

Resource Name: Single Nucleotide Polymorphism Spectral Decomposition (SNPSpD)

Resource ID: SCR_008621

Alternate IDs: biotools:snpspd, nif-0000-31985

Alternate URLs: https://bio.tools/snpspd

Old URLs: http://genepi.qimr.edu.au/general/daleN/SNPSp

Record Creation Time: 20220129T080248+0000

Record Last Update: 20250519T204801+0000

Ratings and Alerts

No rating or validation information has been found for Single Nucleotide Polymorphism Spectral Decomposition (SNPSpD).

No alerts have been found for Single Nucleotide Polymorphism Spectral Decomposition (SNPSpD).

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Rong SS, et al. (2019) Association of the SIX6 locus with primary open angle glaucoma in southern Chinese and Japanese. Experimental eye research, 180, 129.

Kim JH, et al. (2018) Association of Genetic Polymorphisms with Atopic Dermatitis, Clinical Severity and Total IgE: A Replication and Extended Study. Allergy, asthma & immunology research, 10(4), 397.

Cohen-Woods S, et al. (2018) Interaction between childhood maltreatment on immunogenetic risk in depression: Discovery and replication in clinical case-control samples. Brain, behavior, and immunity, 67, 203.

Yu L, et al. (2017) Association of polymorphisms in the heparanase gene (HPSE) with hepatocellular carcinoma in Chinese populations. Genetics and molecular biology, 40(4), 743.

Liu L, et al. (2015) Genetic architecture of maize kernel row number and whole genome

prediction. TAG. Theoretical and applied genetics. Theoretische und angewandte Genetik, 128(11), 2243.

Oh JJ, et al. (2015) A clinicogenetic model to predict lymph node invasion by use of genome-based biomarkers from exome arrays in prostate cancer patients. Korean journal of urology, 56(2), 109.

Choi SY, et al. (2015) The association of 5-alpha reductase type 2 (SRD5A2) gene polymorphisms with prostate cancer in a Korean population. Korean journal of urology, 56(1), 19.

Gomez L, et al. (2014) Association of the KCNJ5 gene with Tourette Syndrome and Attention-Deficit/Hyperactivity Disorder. Genes, brain, and behavior, 13(6), 535.

Laplana M, et al. (2014) Vitamin-D pathway genes and HIV-1 disease progression in injection drug users. Gene, 545(1), 163.

Chang SC, et al. (2014) Are genetic variations in OXTR, AVPR1A, and CD38 genes important to social integration? Results from two large U.S. cohorts. Psychoneuroendocrinology, 39, 257.

Lamontagne M, et al. (2013) Refining susceptibility loci of chronic obstructive pulmonary disease with lung eqtls. PloS one, 8(7), e70220.

Warrier V, et al. (2013) Genetic variation in GABRB3 is associated with Asperger syndrome and multiple endophenotypes relevant to autism. Molecular autism, 4(1), 48.

Villafuerte S, et al. (2013) Impulsiveness mediates the association between GABRA2 SNPs and lifetime alcohol problems. Genes, brain, and behavior, 12(5), 525.

Barbier M, et al. (2012) CD1 gene polymorphisms and phenotypic variability in X-linked adrenoleukodystrophy. PloS one, 7(1), e29872.

Laplana M, et al. (2012) Distribution of functional polymorphic variants of inflammation-related genes RANTES and CCR5 in long-lived individuals. Cytokine, 58(1), 10.

Busolin G, et al. (2011) Association of intronic variants of the KCNAB1 gene with lateral temporal epilepsy. Epilepsy research, 94(1-2), 110.

Chakrabarti B, et al. (2011) Variation in the human cannabinoid receptor CNR1 gene modulates gaze duration for happy faces. Molecular autism, 2(1), 10.

Ota M, et al. (2011) A polymorphism of the ABCA1 gene confers susceptibility to schizophrenia and related brain changes. Progress in neuro-psychopharmacology & biological psychiatry, 35(8), 1877.