# Resource Summary Report

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## MDR

RRID:SCR_013427
Type: Tool

### Proper Citation

MDR (RRID:SCR_013427)

### Resource Information

**URL:** http://www.multifactordimensionalityreduction.org/

**Proper Citation:** MDR (RRID:SCR_013427)

**Description:** Software application that is a data mining strategy for detecting and characterizing nonlinear interactions among discrete attributes (e.g. SNPs, smoking, gender, etc.) that are predictive of a discrete outcome (e.g. case-control status). The MDR software combines attribute selection, attribute construction and classification with cross-validation to provide a powerful approach to modeling interactions. (entry from Genetic Analysis Software)

**Abbreviations:** MDR

**Synonyms:** Multifactor Dimensionality Reduction

**Resource Type:** software application, software resource

**Keywords:** gene, genetic, genomic

**Resource Name:** MDR

**Resource ID:** SCR_013427

**Alternate IDs:** nlx_154096

**Alternate URLs:** http://www.nitrc.org/projects/mdr

**Record Creation Time:** 20220129T080316+0000

**Record Last Update:** 20260905T133256+0000

### Ratings and Alerts

No rating or validation information has been found for MDR.

No alerts have been found for MDR.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 39 mentions in open access literature.

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


Pavlova N, et al. (2022) Matrix Metalloproteinase Gene Polymorphisms Are Associated with Breast Cancer in the Caucasian Women of Russia. International journal of molecular sciences, 23(20).

Mok JW, et al. (2021) Association with Corneal Remodeling Related Genes, ALDH3A1, LOX, and SPARC Genes Variations in Korean Keratoconus Patients. Korean journal of ophthalmology : KJO, 35(2), 120.

He D, et al. (2021) Vitamin D Receptor Is a Sepsis-Susceptibility Gene in Chinese Children. Medical science monitor : international medical journal of experimental and clinical research, 27, e932518.

Lopes C, et al. (2021) Genetic Variations in Prostaglandin E2 Pathway Identified as Susceptibility Biomarkers for Gastric Cancer in an Intermediate Risk European Country. International journal of molecular sciences, 22(2).

Ponomarenko I, et al. (2020) Candidate Genes for Age at Menarche Are Associated With Uterine Leiomyoma. Frontiers in genetics, 11, 512940.

Pereira da Silva A, et al. (2020) Impact on Longevity of Genetic Cardiovascular Risk and Lifestyle including Red Meat Consumption. Oxidative medicine and cellular longevity, 2020, 1305413.

Ponomarenko I, et al. (2020) Candidate genes for age at menarche are associated with endometriosis. Reproductive biomedicine online, 41(5), 943.

P?óciennik ?A, et al. (2020) Detection of epistasis between ACTN3 and SNAP-25 with an insight towards gymnastic aptitude identification. PloS one, 15(8), e0237808.

Chen Y, et al. (2019) Association of the gene polymorphisms of BMPR2, ACVRL1, SMAD9 and their interactions with the risk of essential hypertension in the Chinese Han population. Bioscience reports, 39(1).

Calabrò M, et al. (2019) Genes Involved in Neurodevelopment, Neuroplasticity and Major Depression: No Association for CACNA1C, CHRNA7 and MAPK1. Clinical psychopharmacology and neuroscience : the official scientific journal of the Korean

College of Neuropsychopharmacology, 17(3), 364.

Cui Z, et al. (2019) NR3C2 gene polymorphism is associated with risk of gestational hypertension in Han Chinese women. Medicine, 98(50), e18215.

Kalia N, et al. (2019) Impact of SNPs interplay across the locus of MBL2, between MBL and Dectin-1 gene, on women's risk of developing recurrent vulvovaginal infections. Cell & bioscience, 9, 35.

Qiu P, et al. (2019) Associations between HMGB1 gene polymorphisms and susceptibility and clinical outcomes in Chinese Han sepsis patients. Gene, 687, 23.

Rhie A, et al. (2019) Genetic variations associated with response to dutasteride in the treatment of male subjects with androgenetic alopecia. PloS one, 14(9), e0222533.

Zhang Z, et al. (2018) Susceptibility of multiple polymorphisms in ADIPOQ, ADIPOR1 and ADIPOR2 genes to myocardial infarction in Han Chinese. Gene, 658, 10.

Yue LL, et al. (2018) Association of ATM and BMI-1 genetic variation with breast cancer risk in Han Chinese. Journal of cellular and molecular medicine, 22(7), 3671.

Kobayashi M, et al. (2018) Association studies of WD repeat domain 3 and chitobiosyldiphosphodolichol beta-mannosyltransferase genes with schizophrenia in a Japanese population. PloS one, 13(1), e0190991.

Dato S, et al. (2018) The genetic component of human longevity: New insights from the analysis of pathway-based SNP-SNP interactions. Aging cell, 17(3), e12755.

Heffernan SM, et al. (2017) COL5A1 gene variants previously associated with reduced soft tissue injury risk are associated with elite athlete status in rugby. BMC genomics, 18(Suppl 8), 820.

Liu T, et al. (2017) Gene polymorphisms in the PI3K/AKT/mTOR signaling pathway contribute to prostate cancer susceptibility in Chinese men. Oncotarget, 8(37), 61305.