

Resource Summary Report

Generated by [nidm-terms](#) on Jul 28, 2026

MARIA

RRID:SCR_028673

Type: Tool

Proper Citation

MARIA (RRID:SCR_028673)

Resource Information

URL: <https://maria.stanford.edu/index.php>

Proper Citation: MARIA (RRID:SCR_028673)

Description: Web multimodal recurrent neural network tool designed to predict HLA-II (Human Leukocyte Antigen class II) peptide ligand presentation. It uses cell HLA alleles, peptide sequences, and source genes to evaluate antigen presentation. Used for predicting the likelihood of antigen presentation from a gene of interest in the context of specific HLA class II alleles.

Synonyms: MARIA:Major Histocompatibility Complex Analysis with Recurrent Integrated Architecture

Resource Type: web application, software resource

Defining Citation: [PMID:31611695](#)

Keywords: multimodal recurrent neural network, predicting likelihood of antigen presentation, gene of interest, specific HLA class II alleles,

Funding: NCI U01 CA194389;
NCI K08 CA207882;
NIGMS GM 102365;
NCRR S10RR027431

Availability: Free, Freely available

Resource Name: MARIA

Resource ID: SCR_028673

Record Creation Time: 20260714T043827+0000

Record Last Update: 20260728T043815+0000

Ratings and Alerts

No rating or validation information has been found for MARIA.

No alerts have been found for MARIA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.