Resource Summary Report

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IPD-MHC- Major Histocompatibility Complex

RRID:SCR_007749
Type: Tool

Proper Citation

IPD-MHC- Major Histocompatibility Complex (RRID:SCR_007749)

Resource Information

URL: http://www.ebi.ac.uk/ipd/mhc

Proper Citation: IPD-MHC- Major Histocompatibility Complex (RRID:SCR_007749)

Description: The IPD - MHC Database provides a centralized repository for sequences of the major histocompatibility complex from a number of different species. Through a number of international collaborations IPD is able to provide the MHC sequences of different species. The sequences provided by each group are curated by experts in the field and then submitted to the central database.

Synonyms: IPD-MHC

Resource Type: data or information resource, database

Resource Name: IPD-MHC- Major Histocompatibility Complex

Resource ID: SCR_007749

Alternate IDs: nif-0000-03042

Record Creation Time: 20220129T080243+0000

Record Last Update: 20260804T043340+0000

Ratings and Alerts

No rating or validation information has been found for IPD-MHC- Major Histocompatibility Complex.

No alerts have been found for IPD-MHC- Major Histocompatibility Complex.

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 dkNET .

Maccari G, et al. (2025) The 2024 IPD-MHC database update: a comprehensive resource for major histocompatibility complex studies. Nucleic acids research, 53(D1), D457.

Tadros DM, et al. (2025) Predicting MHC-I ligands across alleles and species: how far can we go? Genome medicine, 17(1), 25.

de Groot N, et al. (2024) Unraveling the architecture of major histocompatibility complex class II haplotypes in rhesus macaques. Genome research, 34(11), 1811.

Wang S, et al. (2024) Amino acid insertion in Bat MHC-I enhances complex stability and augments peptide presentation. Communications biology, 7(1), 586.

Li Z, et al. (2023) The pig pangenome provides insights into the roles of coding structural variations in genetic diversity and adaptation. Genome research, 33(10), 1833.

Wroblewski EE, et al. (2023) Malaria-driven adaptation of MHC class I in wild bonobo populations. Nature communications, 14(1), 1033.

Notsu K, et al. (2023) Identifying Pathogen and Allele Type Simultaneously in a Single Well Using Droplet Digital PCR. mSphere, 8(1), e0049322.

Racle J, et al. (2023) Machine learning predictions of MHC-II specificities reveal alternative binding mode of class II epitopes. Immunity, 56(6), 1359.

Goh S, et al. (2021) Development of a Potential Yeast-Based Vaccine Platform for Theileria parva Infection in Cattle. Frontiers in immunology, 12, 674484.

Celis-Giraldo CT, et al. (2021) A comparative analysis of SLA-DRB1 genetic diversity in Colombian (creoles and commercial line) and worldwide swine populations. Scientific reports, 11(1), 4340.

Otting N, et al. (2020) Evolution of HLA-F and its orthologues in primate species: a complex tale of conservation, diversification and inactivation. Immunogenetics, 72(9-10), 475.

de Winter II, et al. (2019) Determining Mhc-DRB profiles in wild populations of three congeneric true lemur species by noninvasive methods. Immunogenetics, 71(2), 97.

Lu D, et al. (2019) Peptide presentation by bat MHC class I provides new insight into the antiviral immunity of bats. PLoS biology, 17(9), e3000436.

Stefan T, et al. (2019) Divergent Allele Advantage Provides a Quantitative Model for Maintaining Alleles with a Wide Range of Intrinsic Merits. Genetics, 212(2), 553.

Tungatt K, et al. (2018) Induction of influenza-specific local CD8 T-cells in the respiratory tract after aerosol delivery of vaccine antigen or virus in the Babraham inbred pig. PLoS pathogens, 14(5), e1007017.

Pourseif MM, et al. (2018) A novel B- and helper T-cell epitopes-based prophylactic vaccine against Echinococcus granulosus. BioImpacts : BI, 8(1), 39.

Peters SO, et al. (2018) Genetic Diversity of Bovine Major Histocompatibility Complex Class II DRB3 locus in cattle breeds from Asia compared to those from Africa and America. Journal of genomics, 6, 88.

Fan S, et al. (2018) Polymorphism and peptide-binding specificities of porcine major histocompatibility complex (MHC) class I molecules. Molecular immunology, 93, 236.

Gao C, et al. (2017) Specificity Characterization of SLA Class I Molecules Binding to Swine-Origin Viral Cytotoxic T Lymphocyte Epitope Peptides in Vitro. Frontiers in microbiology, 8, 2524.

Maccari G, et al. (2017) IPD-MHC 2.0: an improved inter-species database for the study of the major histocompatibility complex. Nucleic acids research, 45(D1), D860.