

Resource Summary Report

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IPD-KIR - Killer-cell Immunoglobulin-like Receptors

RRID:SCR_007748

Type: Tool

Proper Citation

IPD-KIR - Killer-cell Immunoglobulin-like Receptors (RRID:SCR_007748)

Resource Information

URL: <http://www.ebi.ac.uk/ipd/kir/>

Proper Citation: IPD-KIR - Killer-cell Immunoglobulin-like Receptors (RRID:SCR_007748)

Description: The IPD-KIR database provides a centralized repository for human KIR sequences. Killer-cell Immunoglobulin-like Receptors (KIR) have been shown to be highly polymorphic at the allelic and haplotypic level. KIRs are members of the immunoglobulin superfamily (IgSF) formerly called Killer-cell Inhibitory Receptors. They are composed of two or three Ig-domains, a transmembrane region and cytoplasmic tail which can in turn be short (activatory) or long (inhibitory). The Leukocyte Receptor Complex (LRC) which encodes KIR genes has been shown to be polymorphic, polygenic and complex like the MHC.

Synonyms: IPD-KIR

Resource Type: database, data or information resource

Resource Name: IPD-KIR - Killer-cell Immunoglobulin-like Receptors

Resource ID: SCR_007748

Alternate IDs: nif-0000-03041

Record Creation Time: 20220129T080243+0000

Record Last Update: 20260803T040511+0000

Ratings and Alerts

No rating or validation information has been found for IPD-KIR - Killer-cell Immunoglobulin-like Receptors.

No alerts have been found for IPD-KIR - Killer-cell Immunoglobulin-like Receptors.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 42 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

Prodanov T, et al. (2025) Locityper enables targeted genotyping of complex polymorphic genes. *Nature genetics*, 57(11), 2901.

Zhou Y, et al. (2024) Full resolution HLA and KIR genes annotation for human genome assemblies. *bioRxiv : the preprint server for biology*.

Zhou Y, et al. (2024) Full-resolution HLA and KIR gene annotations for human genome assemblies. *Genome research*, 34(11), 1931.

Hung TK, et al. (2024) Genetic complexity of killer-cell immunoglobulin-like receptor genes in human pangenome assemblies. *Genome research*, 34(8), 1211.

Lorig-Roach N, et al. (2024) Structural basis for the activity and specificity of the immune checkpoint inhibitor lirilumab. *Scientific reports*, 14(1), 742.

Mukisa J, et al. (2024) High KIR diversity in Uganda and Botswana children living with HIV. *bioRxiv : the preprint server for biology*.

Zhou Q, et al. (2024) Geny: a genotyping tool for allelic decomposition of killer cell immunoglobulin-like receptor genes. *Frontiers in immunology*, 15, 1494995.

Muriuki BM, et al. (2023) Evaluation of KIR3DL1/KIR3DS1 allelic polymorphisms in Kenyan children with endemic Burkitt lymphoma. *PloS one*, 18(8), e0275046.

Song L, et al. (2023) Efficient and accurate KIR and HLA genotyping with massively parallel sequencing data. *Genome research*, 33(6), 923.

Duygu B, et al. (2021) HLA Class I Molecules as Immune Checkpoints for NK Cell Alloreactivity and Anti-Viral Immunity in Kidney Transplantation. *Frontiers in immunology*, 12, 680480.

Zhang JY, et al. (2021) Using de novo assembly to identify structural variation of eight complex immune system gene regions. *PLoS computational biology*, 17(8), e1009254.

Dekojov?? T, et al. (2020) Dynamic Changes of Inhibitory Killer-Immunoglobulin-Like Receptors on NK Cells after Allogeneic Hematopoietic Stem Cell Transplantation: An Initial Study. *Journal of clinical medicine*, 9(11).

Roe D, et al. (2020) Efficient Sequencing, Assembly, and Annotation of Human KIR Haplotypes. *Frontiers in immunology*, 11, 582927.

Vargas LB, et al. (2020) Single Nucleotide Polymorphism in KIR2DL1 Is Associated With HLA-C Expression in Global Populations. *Frontiers in immunology*, 11, 1881.

Bruijnesteijn J, et al. (2018) Extensive Alternative Splicing of KIR Transcripts. *Frontiers in immunology*, 9, 2846.

Closa L, et al. (2018) Design and Validation of a Multiplex KIR and HLA Class I Genotyping Method Using Next Generation Sequencing. *Frontiers in immunology*, 9, 2991.

Maniangou B, et al. (2017) Killer Immunoglobulin-Like Receptor Allele Determination Using Next-Generation Sequencing Technology. *Frontiers in immunology*, 8, 547.

Levinson RD, et al. (2016) KIR and HLA Genotypes Implicated in Reduced Killer Lymphocytes Immunity Are Associated with Vogt-Koyanagi-Harada Disease. *PloS one*, 11(8), e0160392.

Melhem NM, et al. (2016) Potential role of killer immunoglobulin receptor genes among individuals vaccinated against hepatitis B virus in Lebanon. *World journal of hepatology*, 8(29), 1212.

Hilton HG, et al. (2015) Loss and Gain of Natural Killer Cell Receptor Function in an African Hunter-Gatherer Population. *PLoS genetics*, 11(8), e1005439.