

Resource Summary Report

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Interferome

RRID:SCR_007743

Type: Tool

Proper Citation

Interferome (RRID:SCR_007743)

Resource Information

URL: <http://www.interferome.org>

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Description: Interferome is a database that provides identification of interferon regulated gene signatures from high-throughput data sets (i.e. microarray, proteomic data etc.). It will also assist in identifying regulatory elements and enable comparison of tissue expression of IRGs in human and mouse. Availability of sequence information from more than 37 species, together with comprehensive annotation will enable comparative genomics and phylogenetic analysis to be performed on these IRGs. Within the database, Type I, II and III IFN regulated genes have been manually curated from more than 28 publicly available microarray datasets. Interferon Regulated Genes (IRGs) were identified from multiple microarray and proteomic experiments where cells were treated with IFNs. Genes that were up or down regulated more than 1.5 fold relative to control samples were defined as IRGs.

Synonyms: Interferome

Resource Type: data or information resource, database

Keywords: FASEB list

Resource Name: Interferome

Resource ID: SCR_007743

Alternate IDs: nif-0000-03032

Record Creation Time: 20220129T080243+0000

Record Last Update: 20260729T044152+0000

Ratings and Alerts

No rating or validation information has been found for Interferome.

No alerts have been found for Interferome.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 162 mentions in open access literature.

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

Shi Y, et al. (2025) Acquired resistance to PD-L1 inhibition enhances a type I IFN-regulated secretory program in tumors. *EMBO reports*, 26(2), 521.

Yang AX, et al. (2025) Phospholipid scramblase 1 (PLSCR1) regulates interferon-lambda receptor 1 (IFN- λ R1) and IFN- λ signaling in influenza A virus (IAV) infection. *eLife*, 14.

Shaikh K, et al. (2025) ZFAND6 promotes TRAF2-dependent mitophagy to restrain cGAS-STING signaling. *iScience*, 28(1), 111544.

Karjalainen A, et al. (2025) Cell-type-specific requirement for TYK2 in murine immune cells under steady state and challenged conditions. *Cellular and molecular life sciences : CMLS*, 82(1), 98.

Bahat A, et al. (2025) Ribonucleotide incorporation into mitochondrial DNA drives inflammation. *Nature*, 647(8090), 726.

Mørch MT, et al. (2025) STING Signaling Deficiency Exacerbates Demyelination and Immune Infiltration in Focal EAE Lesions. *NeuroSci*, 6(4).

Chen D, et al. (2025) Transcriptomic analysis of the effects exerted by curcumin on dihydrotestosterone-induced ovarian granulosa cells. *Frontiers in endocrinology*, 16, 1522269.

Marques-da-Silva C, et al. (2025) Type I interferons induce guanylate-binding proteins and lysosomal defense in hepatocytes to control malaria. *Cell host & microbe*, 33(4), 529.

Miao Y, et al. (2024) DDX4 enhances antiviral activity of type I interferon by disrupting interaction of USP7/SOCS1 and promoting degradation of SOCS1. *mBio*, 15(3), e0321323.

Moeed A, et al. (2024) The Caspase-Activated DNase drives inflammation and contributes to defense against viral infection. *Cell death and differentiation*, 31(7), 924.

da Silva MI, et al. (2024) Effects of conceptus proteins on endometrium and blood leukocytes of dairy cattle using transcriptome and meta-analysis. *bioRxiv : the preprint server for biology*.

Jiménez-Loygorri JI, et al. (2024) Mitophagy curtails cytosolic mtDNA-dependent activation of cGAS/STING inflammation during aging. *Nature communications*, 15(1), 830.

Rösing S, et al. (2024) Chronic endoplasmic reticulum stress in myotonic dystrophy type 2 promotes autoimmunity via mitochondrial DNA release. *Nature communications*, 15(1), 1534.

Vukić D, et al. (2024) Distinct interactomes of ADAR1 nuclear and cytoplasmic protein isoforms and their responses to interferon induction. *Nucleic acids research*, 52(22), 14184.

Vízkeleti L, et al. (2024) Identification of genetic fingerprint of type I interferon therapy in visceral metastases of melanoma. *Scientific reports*, 14(1), 26540.

Huang C, et al. (2024) Ubiquitination of NS1 Confers Differential Adaptation of Zika Virus in Mammalian Hosts and Mosquito Vectors. *Advanced science (Weinheim, Baden-Württemberg, Germany)*, 11(39), e2408024.

Pelletier AN, et al. (2024) A pre-vaccination immune metabolic interplay determines the protective antibody response to a dengue virus vaccine. *Cell reports*, 43(7), 114370.

Armani-Tourret M, et al. (2024) Selection of epigenetically privileged HIV-1 proviruses during treatment with panobinostat and interferon- γ 2a. *Cell*, 187(5), 1238.

Nurmi K, et al. (2024) Truncating NFKB1 variants cause combined NLRP3 inflammasome activation and type I interferon signaling and predispose to necrotizing fasciitis. *Cell reports. Medicine*, 5(4), 101503.

Purbey PK, et al. (2024) Opposing tumor-cell-intrinsic and -extrinsic roles of the IRF1 transcription factor in antitumor immunity. *Cell reports*, 43(6), 114289.