## **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 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: database, data or information resource

Keywords: FASEB list

Funding:

Resource Name: Interferome

Resource ID: SCR\_007743

Alternate IDs: nif-0000-03032

Record Creation Time: 20220129T080243+0000

Record Last Update: 20250430T055527+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 156 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>dkNET</u>.

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.

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

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.

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.

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.

Vuki? 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.

Armani-Tourret M, et al. (2024) Selection of epigenetically privileged HIV-1 proviruses during

treatment with panobinostat and interferon-?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.

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.

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

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

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.

Luqman-Fatah A, et al. (2023) The interferon stimulated gene-encoded protein HELZ2 inhibits human LINE-1 retrotransposition and LINE-1 RNA-mediated type I interferon induction. Nature communications, 14(1), 203.

Felix JS, et al. (2023) Co-expression analysis suggests IncRNA-mRNA interactions enhance antiviral immune response during acute Chikungunya fever in whole blood of pediatric patients. PloS one, 18(11), e0294035.

Broussard G, et al. (2023) Barrier-to-autointegration factor 1 promotes gammaherpesvirus reactivation from latency. Nature communications, 14(1), 434.

Penner I, et al. (2023) Proteome changes of fibroblasts and endothelial cells upon incubation with human cytomegalovirus subviral Dense Bodies. Scientific data, 10(1), 517.

Malinczak CA, et al. (2023) Sex-associated early-life viral innate immune response is transcriptionally associated with chromatin remodeling of type-I IFN-inducible genes. Mucosal immunology, 16(5), 578.

Ullah TR, et al. (2023) Pharmacological inhibition of TBK1/IKK? blunts immunopathology in a murine model of SARS-CoV-2 infection. Nature communications, 14(1), 5666.