

# 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:** 20260919T195709+0000

### Ratings and Alerts

No rating or validation information has been found for Interferome.

No alerts have been found for Interferome.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 171 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

Krey K, et al. (2026) The ISG Atlas: a loss-of-function analysis characterizes antiviral properties of interferon stimulated genes. Nature communications, 17(1).

Rioux B, et al. (2026) Oligoprotein type I interferon signatures, but not TREX1 variants, increase risk of systemic lupus erythematosus in UK Biobank. Nature communications, 17(1), 1073.

Gyurina K, et al. (2026) Lim Homeobox 8 Is Essential for Beta Adrenergic Stimulation of Thermogenesis in Human Adipocytes. Cells, 15(11).

Fréreau C, et al. (2026) PCBP1 binding to single-stranded poly-cytosine motifs enhances cGAS sensing and impairs breast cancer development. Communications biology, 9(1), 179.

Khambati N, et al. (2026) Nasal Gene Expression in ART-Naive Adults with HIV and Pulmonary Tuberculosis in Uganda. medRxiv : the preprint server for health sciences.

Vo PTT, et al. (2026) The COX2-PGE2-PKA Axis Suppresses Antiviral Immunity by Inhibiting mtDNA-Dependent STING Activation. bioRxiv : the preprint server for biology.

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

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- $\lambda$ R1) and IFN- $\lambda$  signaling in influenza A virus (IAV) infection. eLife, 14.

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.

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

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

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.

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*.

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.

Wang FQ, et al. (2024) Unraveling transcriptomic signatures and dysregulated pathways in systemic lupus erythematosus across disease states. *Arthritis research & therapy*, 26(1), 99.

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.