

Resource Summary Report

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RNA Granule Database

RRID:SCR_024959

Type: Tool

Proper Citation

RNA Granule Database (RRID:SCR_024959)

Resource Information

URL: <https://rnagranuledb.lunenfeld.ca/>

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Description: Created to collate literature evidence that support gene or protein association with the stress granules (SGs) and P-bodies (PBs), with the goal of consolidating high-confidence proteomes of SG and PB. Protein database for mammalian SGs and processing bodies (PBs), which are related condensates.

Synonyms: , RNAGranuleDB v2.0, RNAGranuleDB

Resource Type: data or information resource, database

Defining Citation: [PMID:36662637](#)

Keywords: Protein database, literature evidence data collection, gene or protein association, stress granules, P-bodies, consolidating high confidence proteomes,

Funding: Natural Sciences and Engineering Research Council of Canada ;
Brain Canada ;
Amyotrophic Lateral Sclerosis Society of Canada ;
Canadian Institutes of Health Research ;
Canada Foundation for Innovation ;
Ontarian Government ;
Genome Canada ;
Ontario Genomics

Availability: Free, Freely available

Resource Name: RNA Granule Database

Resource ID: SCR_024959

Record Creation Time: 20240201T171710+0000

Ratings and Alerts

No rating or validation information has been found for RNA Granule Database .

No alerts have been found for RNA Granule Database .

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Lei T, et al. (2026) A P-body-related risk score predicts prognosis and immune microenvironment in lung adenocarcinoma. Translational cancer research, 15(5), 419.

Guan J, et al. (2026) Polyphosphate modulates the stress-responsive formation of functional RNA-protein condensates in bacteria and mammalian cells. PLoS biology, 24(4), e3003775.

Trojani MC, et al. (2026) Atg5/Autophagy inactivation in mouse bone microenvironment promotes tumor development. Autophagy, 22(5), 1063.

Guan J, et al. (2025) HP-Bodies - Ancestral Condensates that Regulate RNA Turnover and Protein Translation in Bacteria. bioRxiv : the preprint server for biology.

Bi H, et al. (2025) DDX6 undergoes phase separation to modulate metabolic plasticity and chemoresistance. Nature communications, 17(1), 260.

Pareek G, et al. (2025) ASPL couples the assembly of stress granules with their VCP-mediated disassembly. Science advances, 11(41), eady3735.

Almaguer-Mederos LE, et al. (2025) Multiomics approach identifies SERPINB1 as candidate biomarker for spinocerebellar ataxia type 2. Scientific reports, 15(1), 42559.

Biancon G, et al. (2025) Dissecting the stress granule RNA world: dynamics, strategies, and data. RNA (New York, N.Y.), 31(6), 743.

Turan G, et al. (2024) Dynamic proximity interaction profiling suggests that YPEL2 is involved in cellular stress surveillance. Protein science : a publication of the Protein Society, 33(2), e4859.

Qu M, et al. (2024) Multiple roles of arsenic compounds in phase separation and membraneless organelles formation determine their therapeutic efficacy in tumors. Journal of pharmaceutical analysis, 14(8), 100957.

Mao S, et al. (2024) Apurinic/aprimidinic endodeoxyribonuclease 1 (APE1) promotes stress granule formation via YBX1 phosphorylation in ovarian cancer. Cellular and molecular life sciences : CMLS, 81(1), 113.

Van Nerom M, et al. (2024) C9orf72-linked arginine-rich dipeptide repeats aggravate pathological phase separation of G3BP1. Proceedings of the National Academy of Sciences of the United States of America, 121(50), e2402847121.

Libert M, et al. (2024) Stress granules are not present in Kras mutant cancers and do not control tumor growth. EMBO reports, 25(11), 4693.

El Bakkouri Y, et al. (2024) ZO-1 interacts with YB-1 in endothelial cells to regulate stress granule formation during angiogenesis. Nature communications, 15(1), 4405.

Currie J, et al. (2024) Simultaneous proteome localization and turnover analysis reveals spatiotemporal features of protein homeostasis disruptions. Nature communications, 15(1), 2207.

Sun J, et al. (2024) Bioinformatic approaches of liquid-liquid phase separation in human disease. Chinese medical journal, 137(16), 1912.

Krause LJ, et al. (2022) The Role of Ubiquitin in Regulating Stress Granule Dynamics. Frontiers in physiology, 13, 910759.

Sharma NR, et al. (2021) RNA Granules in Antiviral Innate Immunity: A Kaposi's Sarcoma-Associated Herpesvirus Journey. Frontiers in microbiology, 12, 794431.