

Resource Summary Report

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STARNET

RRID:SCR_025238

Type: Tool

Proper Citation

STARNET (RRID:SCR_025238)

Resource Information

URL: <http://starnet.mssm.edu/>

Proper Citation: STARNET (RRID:SCR_025238)

Description: Web interactive browser to visualize data and perform gene set enrichment analysis along with gene and SNP lookup. Web interface used to query STARNET datasets and downstream analysis which includes RNAseq from 7 tissues: blood, free internal mammary artery (MAM), atherosclerotic aortic root (AOR), subcutaneous fat (SF), visceral abdominal fat (VAF), skeletal muscle (SKLM), and liver (LIV). Paired SNP genotyping data is included and utilized for tissue expression quantitative trait loci (eQTL), CAD heritability (H2), co-expression networks and gene regulatory networks.

Abbreviations: STARNET

Synonyms: Stockholm-Tartu Atherosclerosis Reverse Networks Engineering Task

Resource Type: data access protocol, software resource, source code, web service

Defining Citation: [PMID:36276926](#)

Keywords: cross-tissue co-expression analysis, STARNET multitissue gene expression data, cardiovascular disease patients,

Funding: American Heart Association ;
AstraZeneca ;
European Union ;
Federal German Ministries ;
Heart Lung Foundation ;
ModulMax ;
New South Wales health ;
NHLBI HL138193;
NHLBI PO1 HL28481;
NHLBI R01 HL144651;

NHLBI R01 HL147883;
NHLBI R01HL125863;
NHLBI R01HL130423;
NHLBI R01HL135093;
NHLBI R01HL148167;
NIDDK R01 DK117850;
Swedish Research Council

Availability: Free, Freely available

Resource Name: STARNET

Resource ID: SCR_025238

Alternate URLs: <https://github.com/skoplev/starnet>

Record Creation Time: 20240409T053245+0000

Record Last Update: 20260829T183400+0000

Ratings and Alerts

No rating or validation information has been found for STARNET.

No alerts have been found for STARNET.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Gummeson A, et al. (2025) A genome-wide association study of imaging-defined atherosclerosis. Nature communications, 16(1), 2266.

Audam TN, et al. (2025) The 9p21.3 Coronary Artery Disease Risk Locus Modulates Vascular Cell-State Transitions via Enhancer-Driven Regulation of MTAP. bioRxiv : the preprint server for biology.

Romay MC, et al. (2025) Region-specific gene expression and sex inform about disease susceptibility in the aorta. Nature cardiovascular research, 4(9), 1152.

Sukhavasi K, et al. (2025) Single-cell RNA sequencing reveals sex differences in the subcellular composition and associated gene-regulatory network activity of human carotid plaques. Nature cardiovascular research, 4(4), 412.

Mocci G, et al. (2024) Single-Cell Gene-Regulatory Networks of Advanced Symptomatic Atherosclerosis. *Circulation research*, 134(11), 1405.

Liu J, et al. (2023) Profiling the genome and proteome of metabolic dysfunction-associated steatotic liver disease identifies potential therapeutic targets. *medRxiv : the preprint server for health sciences*.