

# Resource Summary Report

Generated by [RRID](#) on Sep 21, 2026

## SQuIRE

RRID:SCR\_027719

Type: Tool

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### Proper Citation

SQuIRE (RRID:SCR\_027719)

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### Resource Information

**URL:** <https://github.com/wyang17/SQuIRE>

**Proper Citation:** SQuIRE (RRID:SCR\_027719)

**Description:** Software RNA-seq analysis pipeline that provides quantitative and locus-specific picture of Transposable Elements expression.

**Abbreviations:** SQuIRE

**Synonyms:** , Software for Quantifying Interspersed Repeat Expression (SQuIRE), Software for Quantifying Interspersed Repeat Expression

**Resource Type:** software resource, software toolkit, source code

**Defining Citation:** [PMID:30624635](#)

**Keywords:** RNA-seq analysis, quantitative and locus-specific picture of TE expression, Transposable Elements expression,

**Funding:** NIGMS P50GM107632;  
NIGMS R01GM124531

**Availability:** Free, Available for download, Freely available

**Resource Name:** SQuIRE

**Resource ID:** SCR\_027719

**Record Creation Time:** 20251205T054815+0000

**Record Last Update:** 20260919T200116+0000

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### Ratings and Alerts

No rating or validation information has been found for SQuIRE.

No alerts have been found for SQuIRE.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Feng Y, et al. (2025) Human herpesvirus-associated transposable element activation in human aging brains with Alzheimer's disease. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 21(2), e14595.

You E, et al. (2025) LINE-1 ORF1p Mimics Viral Innate Immune Evasion Mechanisms in Pancreatic Ductal Adenocarcinoma. *Cancer discovery*, 15(5), 1063.

Gallardo A, et al. (2025) BMAL1-TRIM28 represses transposable elements independently of CLOCK in pluripotent cells. *Nature communications*, 16(1), 8250.

??ulc P, et al. (2025) Repeats mimic pathogen-associated patterns across a vast evolutionary landscape. *Cell genomics*, 101011.

Patel D, et al. (2025) Cancer cell type-specific derepression of transposable elements by inhibition of chromatin modifier enzymes. *Communications biology*, 8(1), 992.

Talevi V, et al. (2025) Age and Sex Effects on Blood Retrotransposable Element Expression Levels: Findings From the Population-Based Rhineland Study. *Aging cell*, 24(8), e70092.

Fang Y, et al. (2024) ATRX guards against aberrant differentiation in mesenchymal progenitor cells. *Nucleic acids research*, 52(9), 4950.

Feng Y, et al. (2024) Widespread transposable element dysregulation in human aging brains with Alzheimer's disease. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 20(11), 7495.

Eshima J, et al. (2023) Molecular subtypes of ALS are associated with differences in patient prognosis. *Nature communications*, 14(1), 95.

Karttunen K, et al. (2023) Transposable elements as tissue-specific enhancers in cancers of endodermal lineage. *Nature communications*, 14(1), 5313.

Fang Y, et al. (2023) ATRX guards against aberrant differentiation in mesenchymal progenitor cells. *bioRxiv : the preprint server for biology*.