**Identification of studies via databases and registers**

Records identified from\*:

Databases (n = 6831)

* *Medline (n = 2624)*
* *Embase (n = 3907)*

Registers (n = 0 )

Records removed *before screening*:

Duplicate records removed (n = 2081)

Records marked as ineligible by automation tools (n = 0)

Records removed for other reasons (n = 0 )

**Identification**

Records screened

(n = 4450 )

Records excluded\*\*

(n =4369 )

Reports sought for retrieval

(n = 82)

Reports not retrieved

(n = 3)

**Screening**

Reports excluded:

- Conference Poster (n = 38)

- Conference Abstract (n = 6)

- Knockout mice (n = 1)

- Re-analysis of public data (n = 2)

- Candidate study <50 genes (n = 3)

- No English text (n = 1)

- Human cells (n = 1)

- No full text available (n = 2)

- Not performed a genome/transcriptome wide analysis (n = 7)

- Literature Review (n = 1)

Reports assessed for eligibility

(n = 79 )

Studies included in review

(n = 25 )

Reports of included studies

(n = 48)

**Included**

\*Consider, if feasible to do so, reporting the number of records identified from each database or register searched (rather than the total number across all databases/registers). Medline = Embase = 3907

\*\*If automation tools were used, indicate how many records were excluded by a human and how many were excluded by automation tools.

*From:*  Page MJ, McKenzie JE, Bossuyt PM, Boutron I, Hoffmann TC, Mulrow CD, et al. The PRISMA 2020 statement: an updated guideline for reporting systematic reviews. BMJ 2021;372:n71. doi: 10.1136/bmj.n71