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# A comprehensive study of thiol reduction gene expression under stress conditions in *Arabidopsis thaliana*

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## Abstract:

Thiol reduction proteins are key regulators of the redox state of the cell, managing development and stress response programs. In plants, thiol reduction proteins, namely thioredoxin (TRX), glutaredoxin (GRX), and their respective reducers glutathione reductase (GR) and thioredoxin reductase (TR), are organized in complex multigene families. In order to decipher the function of the different proteins, it is necessary to have a clear picture of their respective expression profiles. By collecting information from gene expression databases

## Keywords:

abiotic stress; biotic stress; development; hormone; redoxins; transcriptome

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