

# EXPLORING GENETIC MODIFIERS INFLUENCING ADULT EATING BEHAVIOR

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## A SCOPING REVIEW

### METHOD

A protocol was developed and registered at OSF.



12 databases were searched covering both published and grey literature from 2014 to April 2024.



3,177 studies were identified and screened. 64 studies met the inclusion criteria and were synthesized.



### OBJECTIVE

To comprehensively map the existing evidence on genetic modifiers associated with adult eating behavior.

### FOCI OF STUDIES

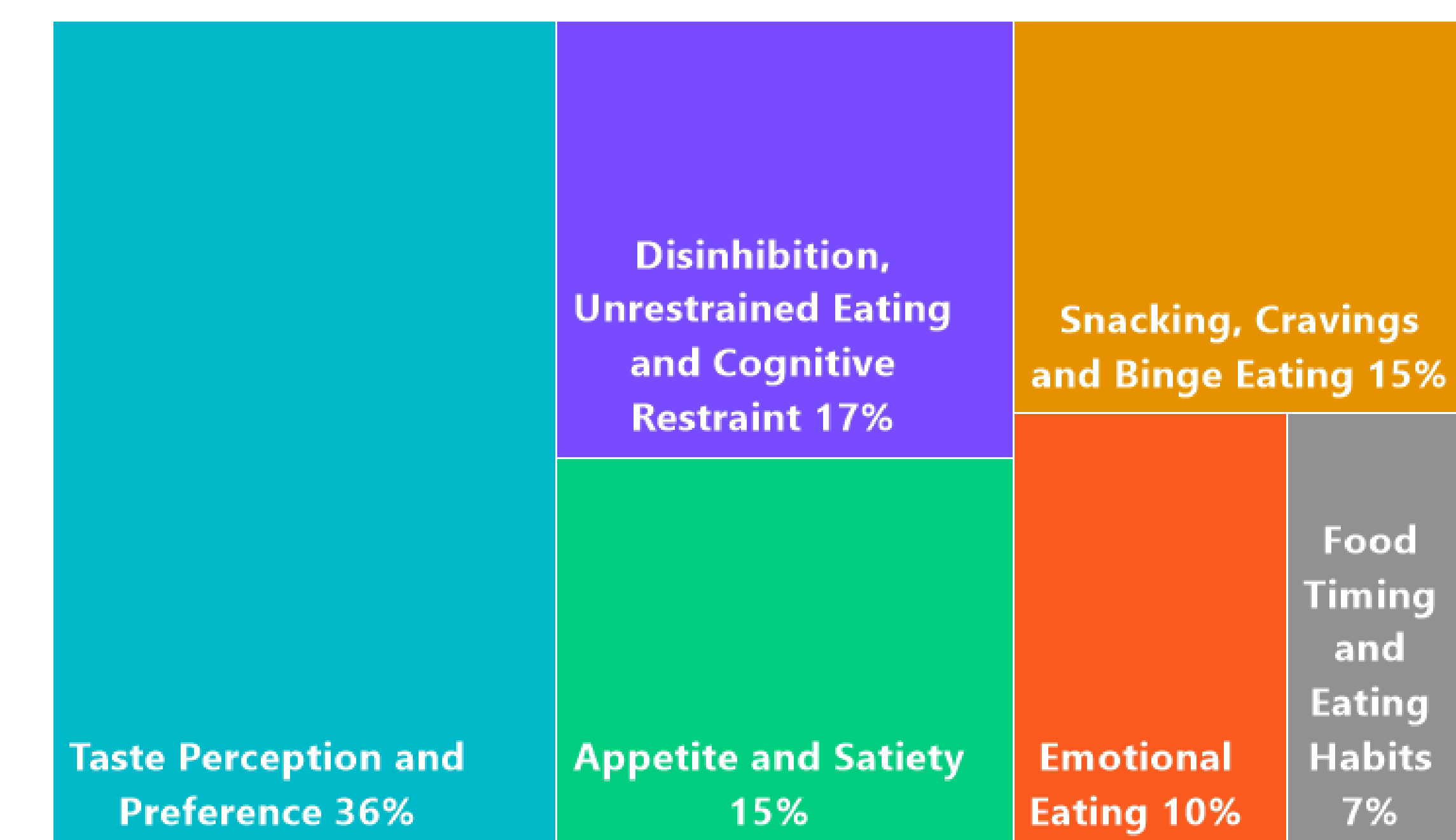


### FINDINGS

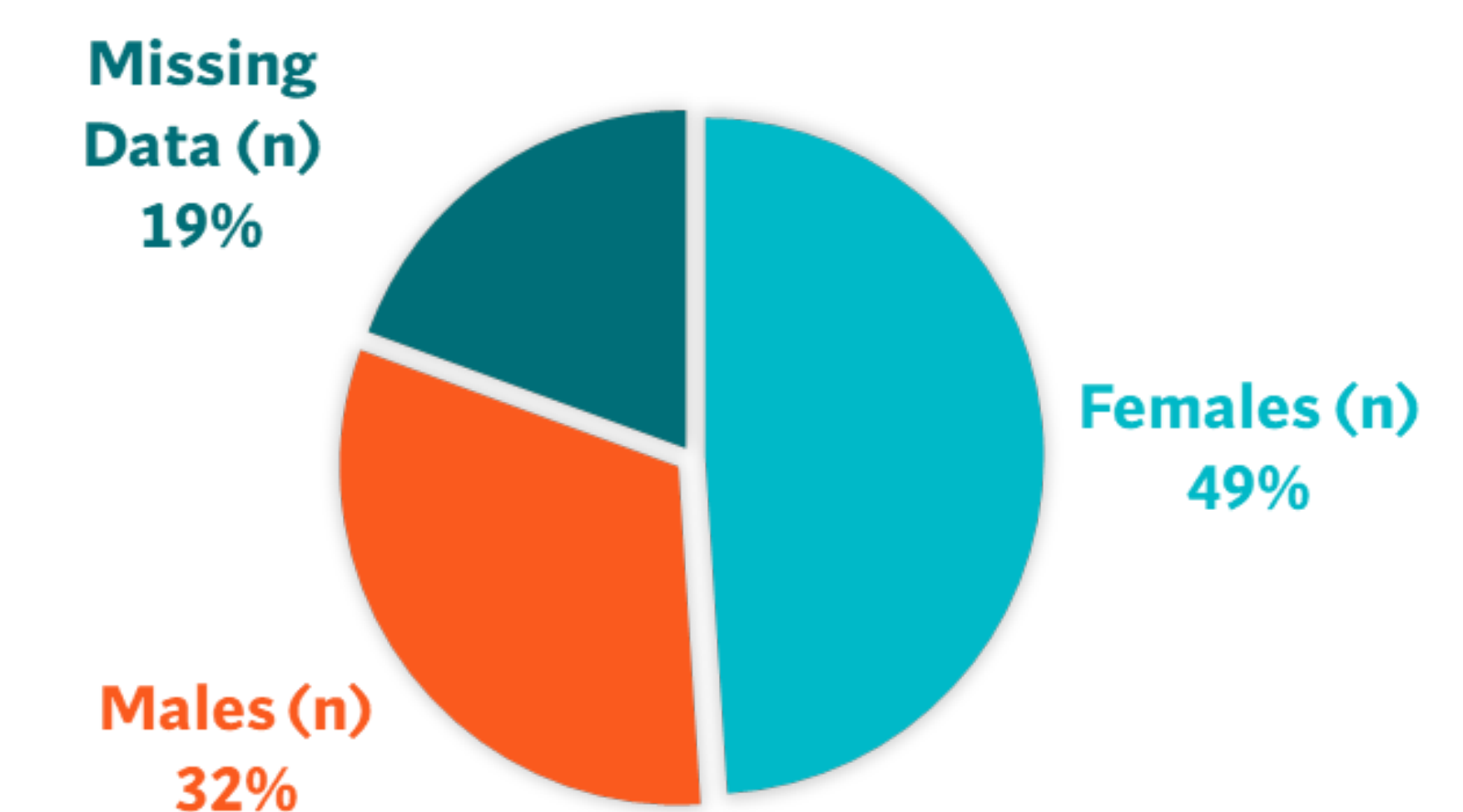
- Key eating behavior themes identified.
- Gaps in the literature, underrepresentation of older age groups and male participants.
- Key genes were identified that significantly associated with adult eating patterns and preferences.



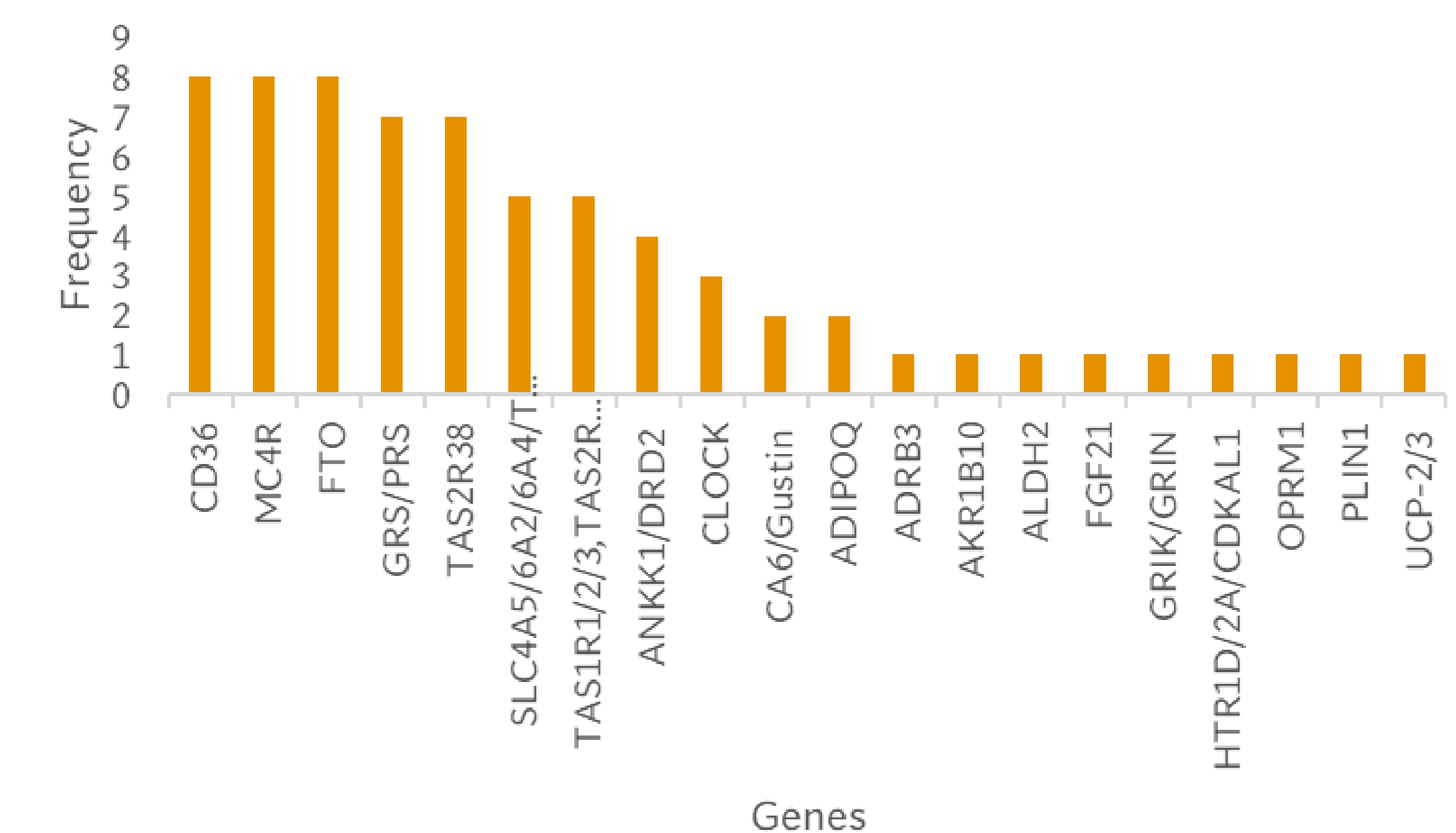
### MAIN THEMES OF STUDIES



### GENDER DISTRIBUTION OF STUDIES



### GENES INFLUENCING EATING BEHAVIORS



### CONCLUSION

The findings provide valuable insights into the genetic underpinning of eating behaviors, highlighting research gaps and the need for future studies to explore these effects on adult eating patterns and preferences.



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