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✅

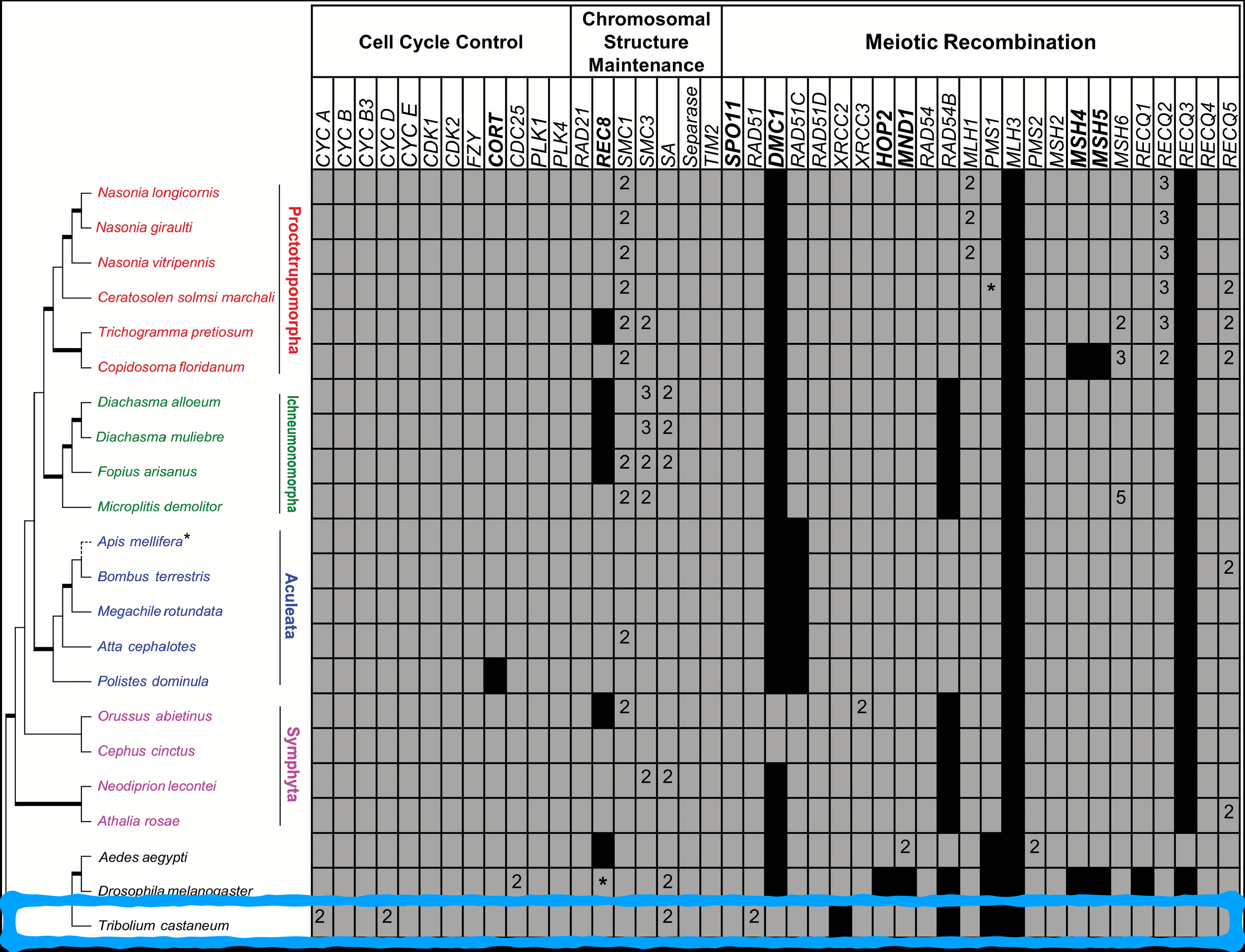# Approaches to Cluster Identification

- Approach 1:

  - Calculate X:A ratio for all cell clusters and compare them.

  - Check X:A=0, X:A>0, X:A<0 ❌

    ✅

- Approach 2:

  - Using the expression profile of meiosis specific genes, classify the clusters.

  - Meiosis genes ❌ = 0

    - Non-Meiotic Cluster

  - Meiosis genes ✅ = 1

    - Meiotic Cluster

Tvedte, E. S., Forbes, A. A., & Logsdon Jr, J. M. (2017). Retention of core meiotic genes across diverse Hymenoptera. *Journal of Heredity*, *108*(7), 791-806.