

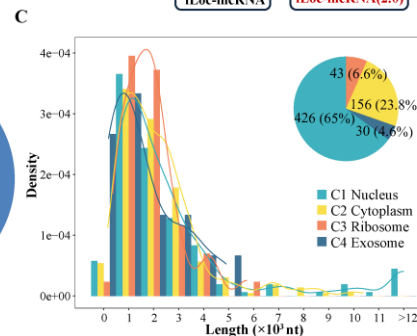
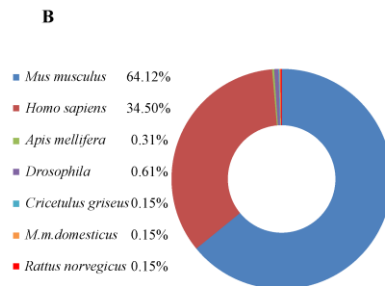
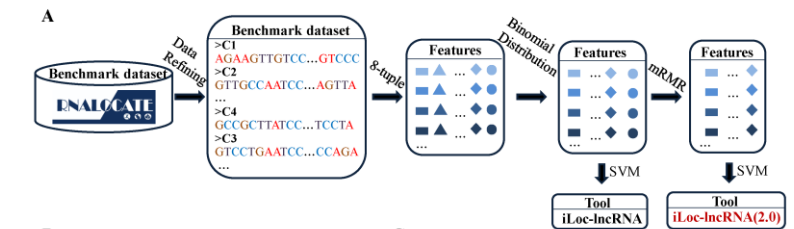
# Towards a better prediction of subcellular location of long non-coding RNA

**Zhao-Yue ZHANG, Zi-Jie SUN, Yu-He YANG, Hao LIN**

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# Problems & Ideas

- Problems of lncRNA subcellular localization prediction
  - Computational methods suffer from the low discriminative power of redundant features or overfitting of oversampling
  - Subcellular localization signals analysis
- Ideas: Mutual-information-based feature selection
  - Combined the minimal-redundancy-maximal-relevance criterion (mRMR) with incremental feature selection strategy
  - Motif discovery based on model features and distribution pattern analysis



# Main Contributions

- The improved lncRNA subcellular location predictor achieved good performance
- Feature analysis was performed to investigate the class-specific subcellular localization signals.

