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# **Spatial transcriptome analysis of long non-coding RNAs reveals tissue specificity and functional roles in cancer**

**Key words:** Spatial expression; Transcriptome; Long non-coding RNAs; Cancer; Biomarkers

# *Research Summary*

This study mainly focused on the tissue specificity and functional roles of lncRNAs across normal and cancer tissue in the following aspects:



GTEx



HPA



HBM2.0



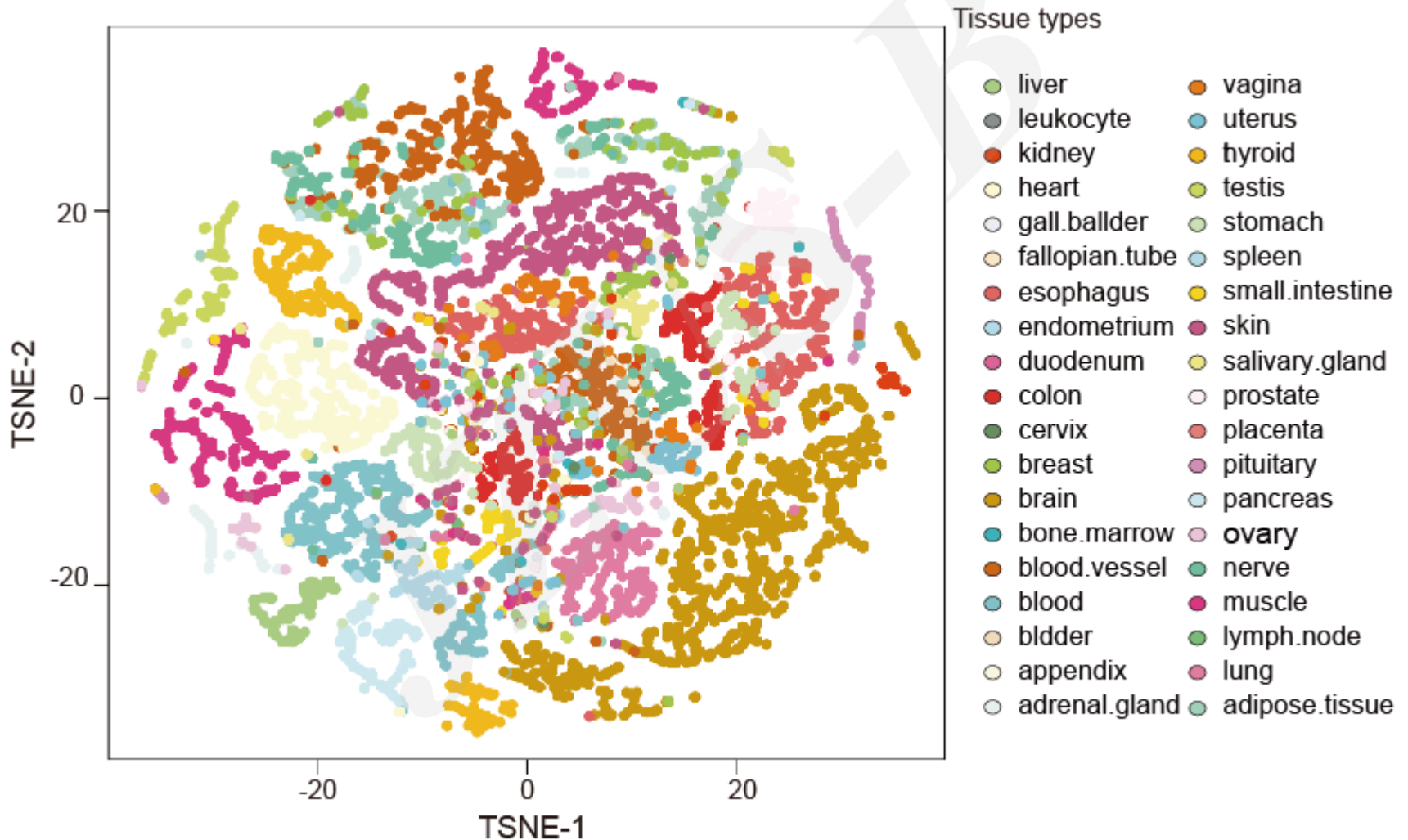
FANTOM5



TCGA

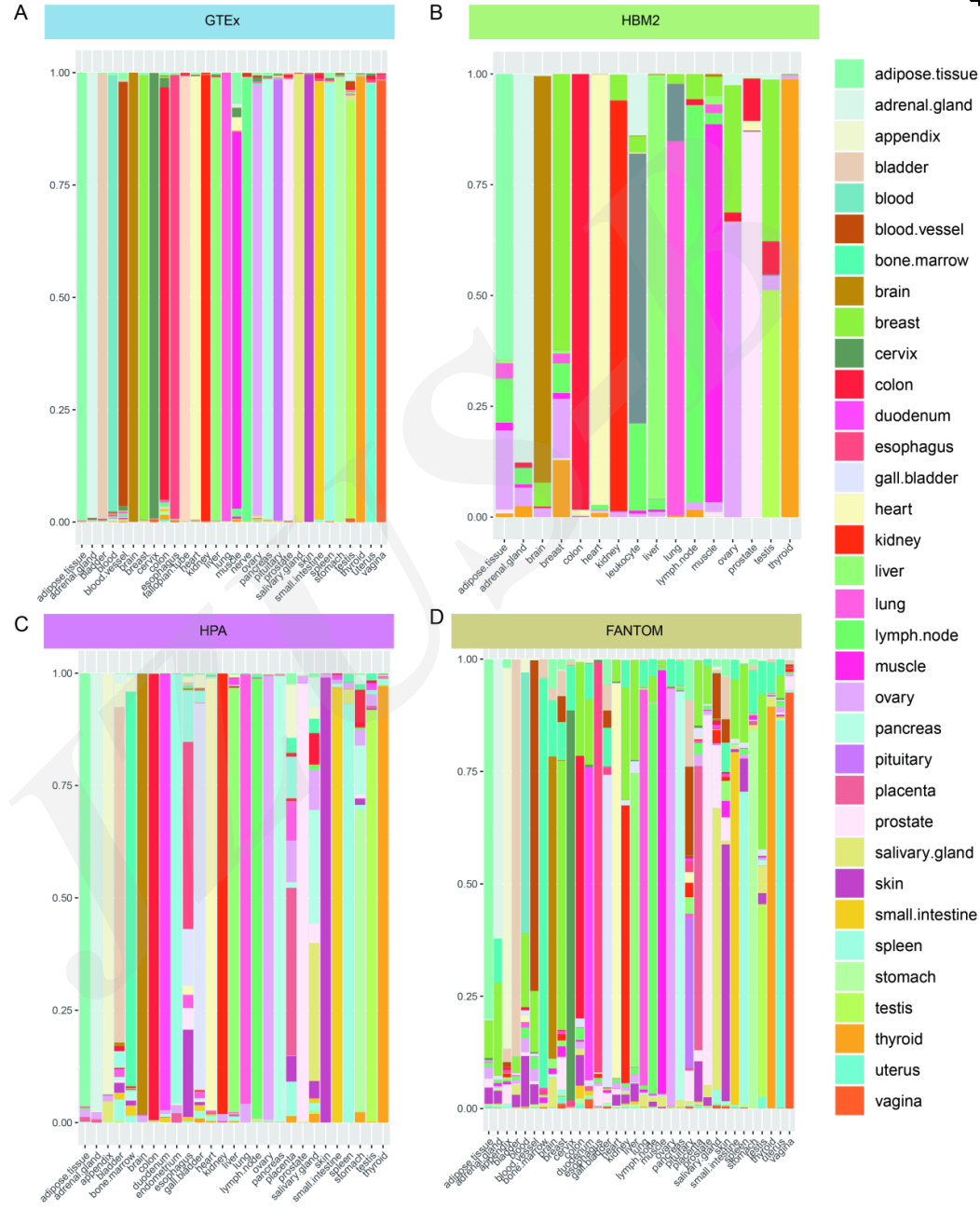
- **The lncRNA transcriptomes exhibited high consistency**
- **Identifying Tissue-elevated (TE) lncRNAs**
- **Robust TE lncRNAs distinguish tissues**
- **TE lncRNAs can serve as biomarkers**

# The lncRNA transcriptomes exhibited high consistency





# Robust TE IncRNAs distinguish tissues



# TE lncRNAs can serve as biomarkers

