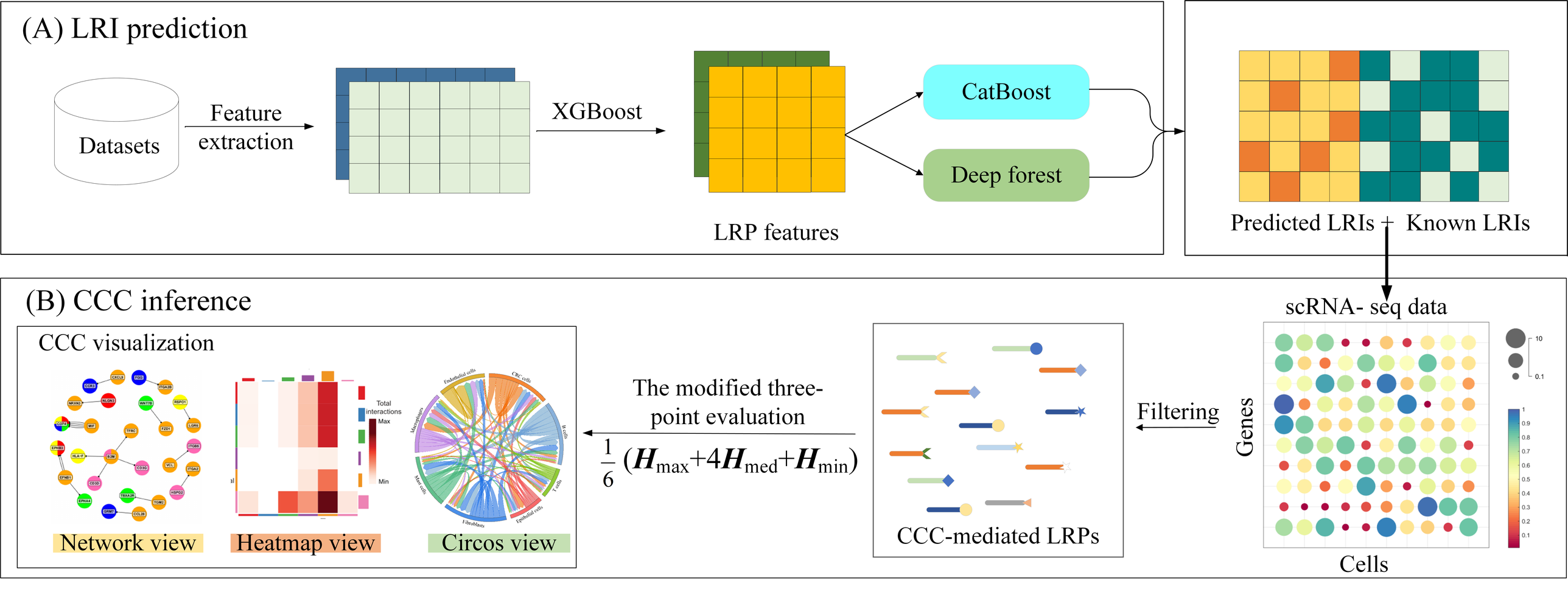
(A) LRI prediction
Datasets
Feature extraction
XGBoost
LRP features
CatBoost
Deep forest
Predicted LRIs + Known LRIs
(B) CCC inference
CCC visualization
Network view
Heatmap view
Circos view
Total interactions
Max
Min
The modified three-point evaluation
$\frac{1}{6}(H_{max}+4H_{med}+H_{min})$
CCC-mediated LRPs
Filtering
scRNA- seq data
Genes
Cells