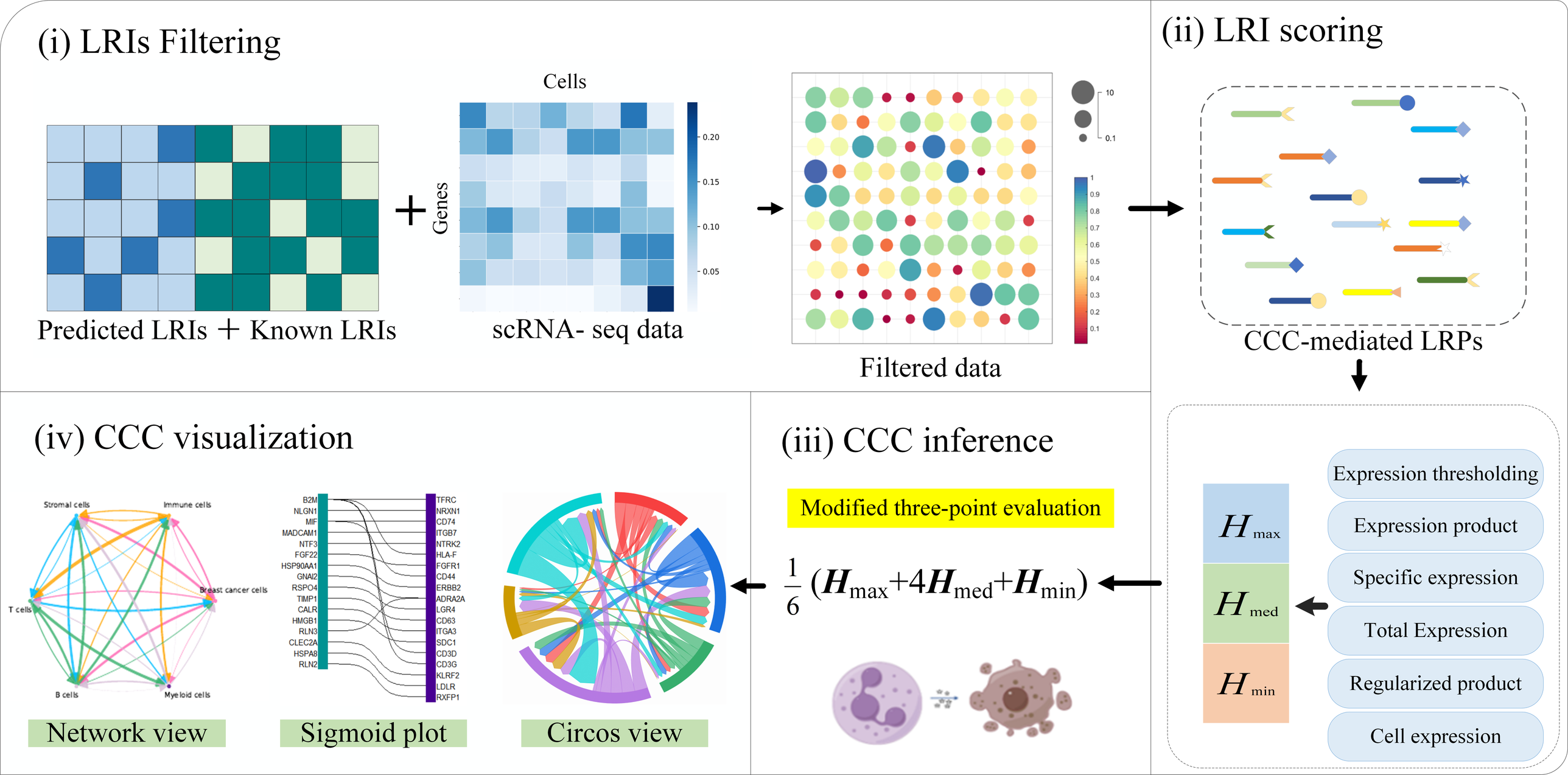
(i) LRIs Filtering
Predicted LRIs + Known LRIs
Cells
Genes
scRNA- seq data
Filtered data
(ii) LRI scoring
CCC-mediated LRPs
Expression thresholding
Expression product
Specific expression
Total Expression
Regularized product
Cell expression
H_{max}
H_{med}
H_{min}
(iii) CCC inference
Modified three-point evaluation
$\frac{1}{6}(H_{max}+4H_{med}+H_{min})$
(iv) CCC visualization
Stromal cells
Immune cells
Breast cancer cells
T cells
B cells
Myeloid cells
Network view
Sigmoid plot
Circos view