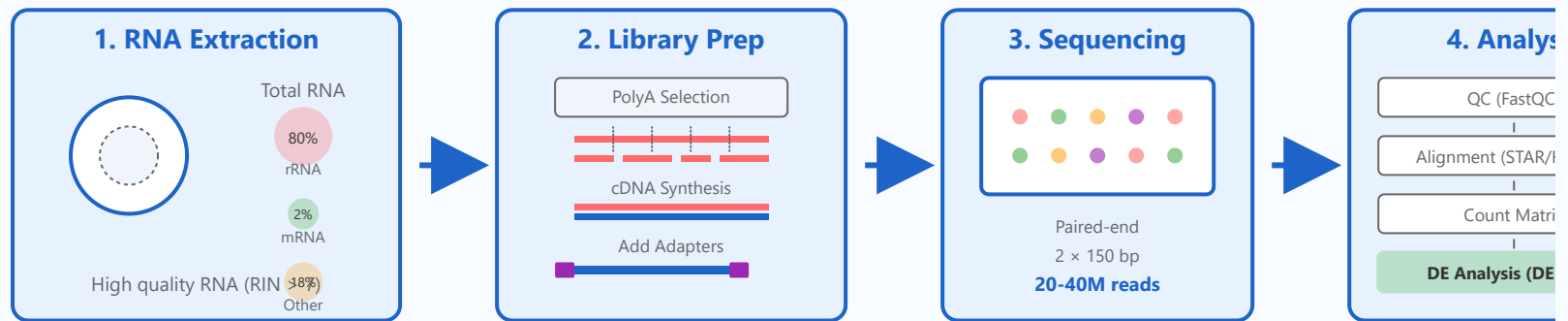


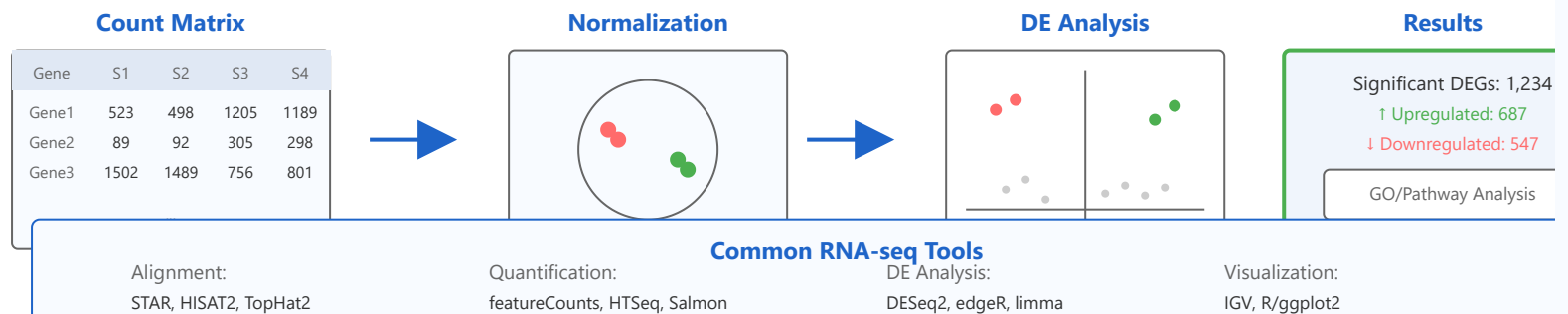
RNA-seq Overview

RNA-seq Workflow & Mechanism

Complete RNA-seq Pipeline: From Cells to Expression Profiles



Expression Analysis & Results



Applications

- Differential gene expression
- Alternative splicing analysis
- Novel transcript discovery
- Allele-specific expression

Key Considerations

- Biological replicates (≥ 3)
- Read depth (20-40M reads)
- Strand-specific protocols
- Batch effect correction