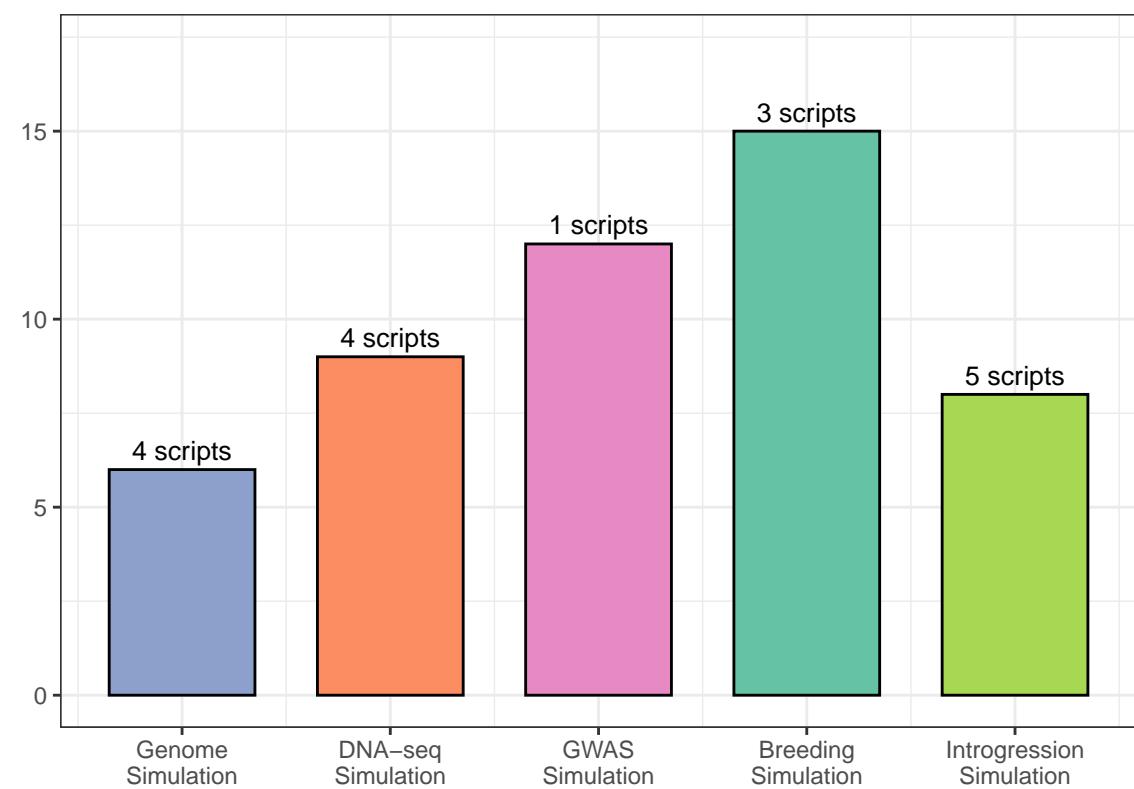


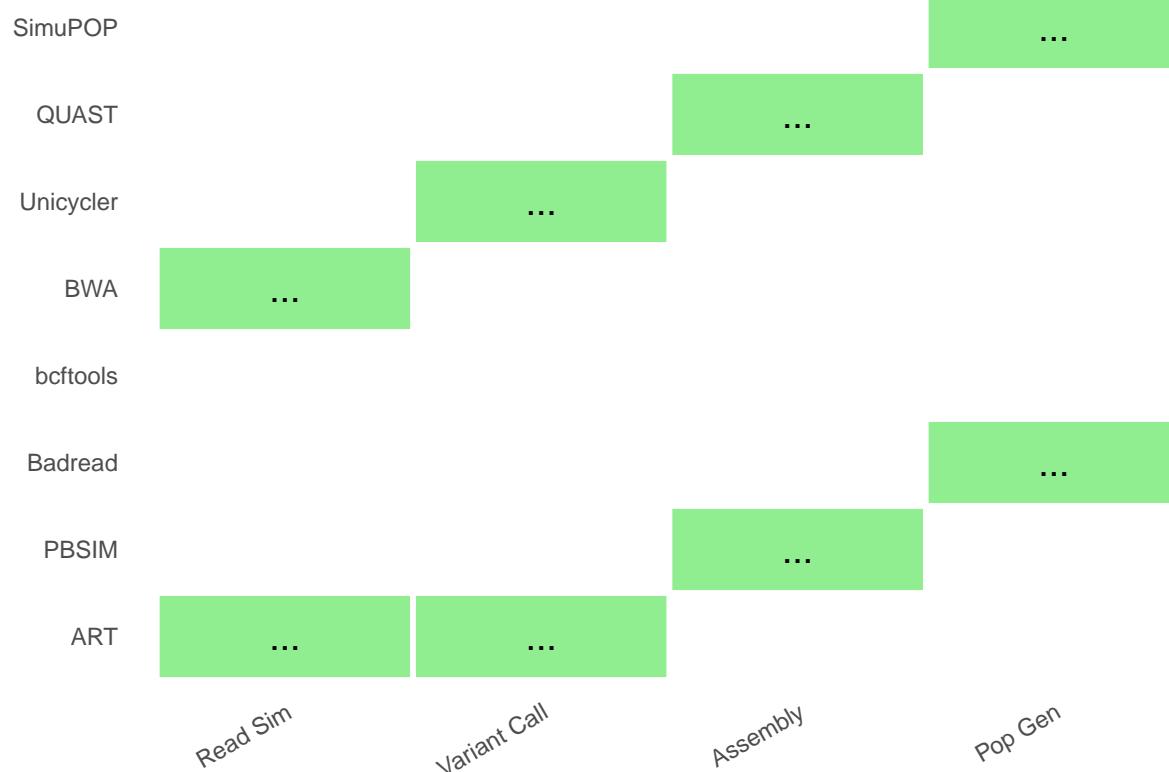
# Figure 6: SIMulate IT ALL – Toolkit Overview

Comprehensive genomic simulation framework in R

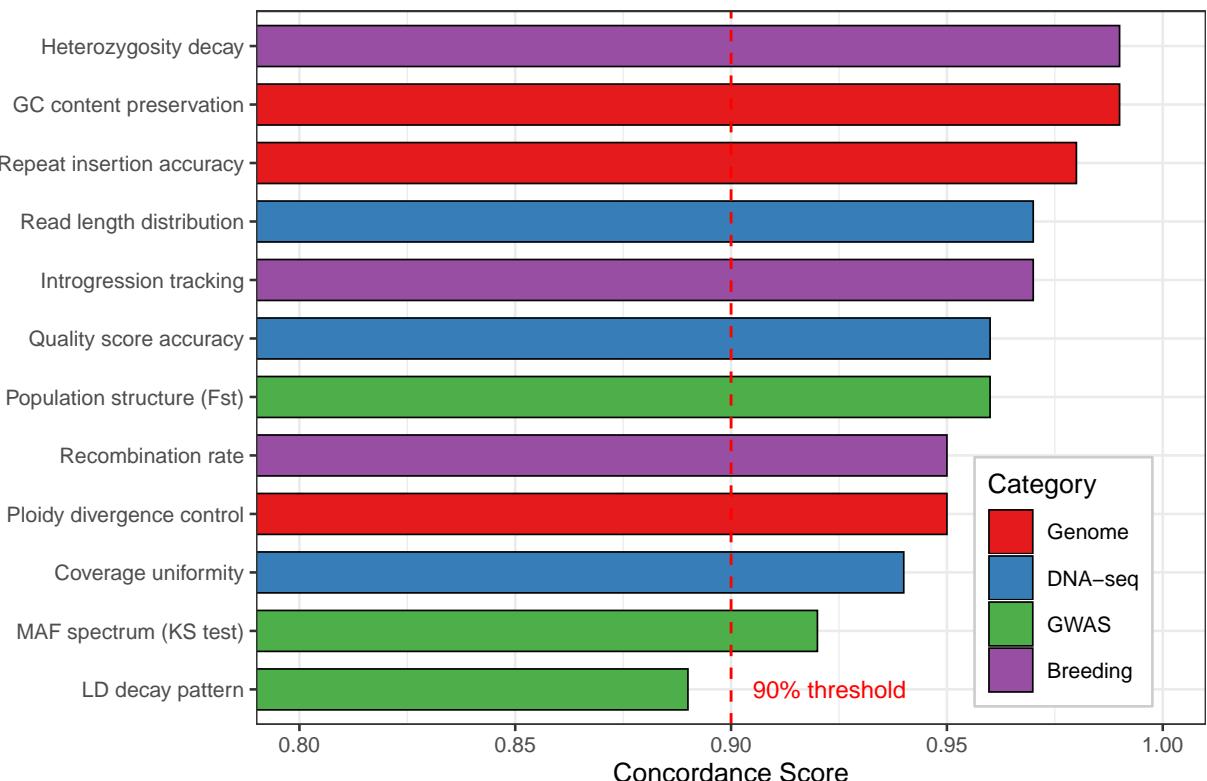
## A. Toolkit Components



## D. External Tool Integration



## B. Validation Metrics (Simulated vs Expected)



## C. Computational Performance

Single-threaded, Intel i7

