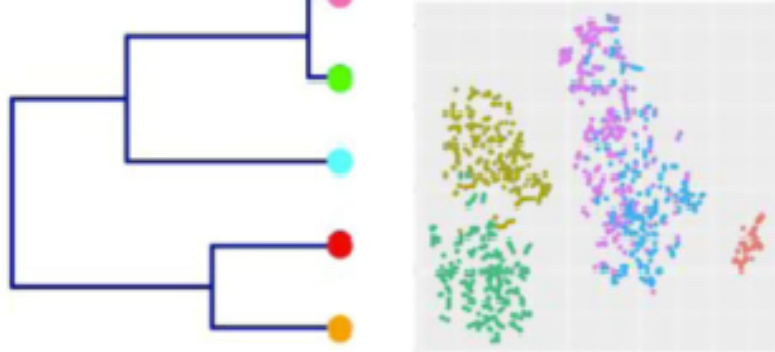
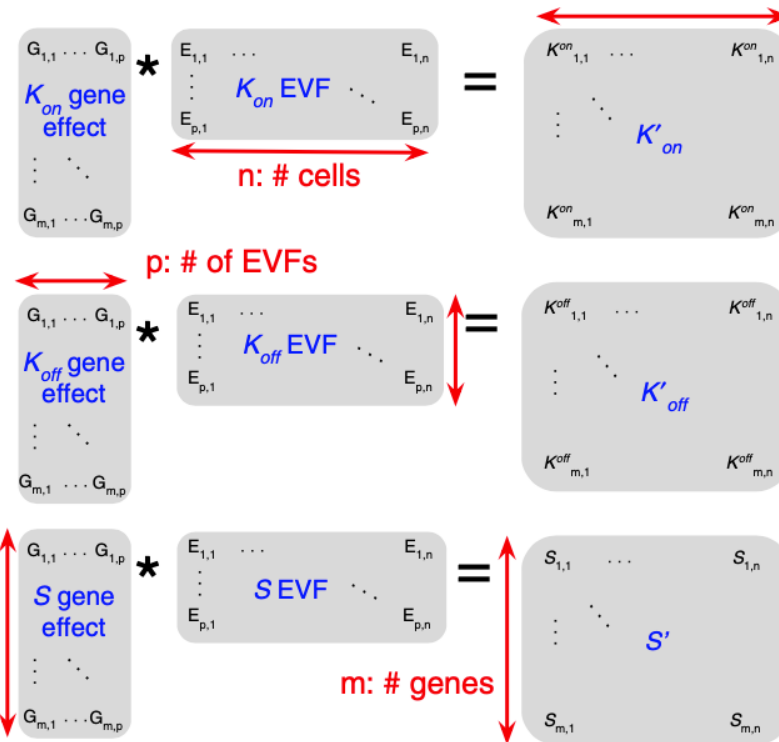


Generating True Counts based on two-state kinetic model

Cells: p-dim EVF vectors



Genes: p-dim gene specific vectors



Definition of differentially expressed (DE) genes.

- ▶ The number of diff-evfs that are associated with a non-zero gene effect value based on the kinetic parameters (should larger than zero)
- ▶ Theoretical log2 fold change analysis is based on the kinetic parameters (should larger than 0.6 ~ 1).

Simulating PCR and Sequencing platform

