CellType
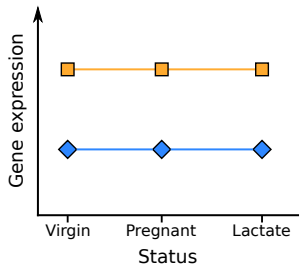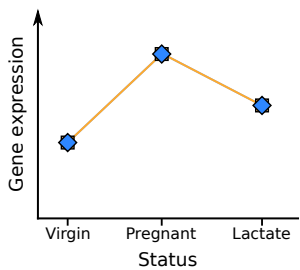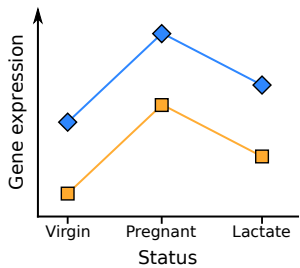- ■ – Basal
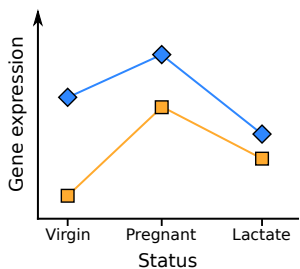- ◆ – Luminal

No difference at all.

Simple model: gene expression changes with cell type, but not status:
~ CellType

Simple model: gene expression changes with status, but not cell type:
~ Status

Additive model: gene expression changes with status and cell type, but the difference in gene expression between cell types is the same irregardless of status:
~ CellType + Status

Interaction model: gene expression changes with status and cell type, and the difference in gene expression between cell types changes depending on the status:
~ CellType + Status + CellType:Status