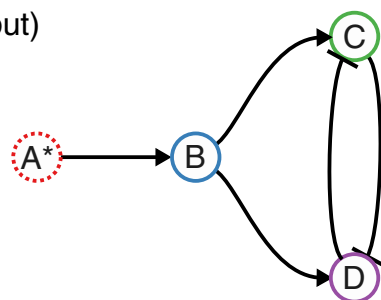
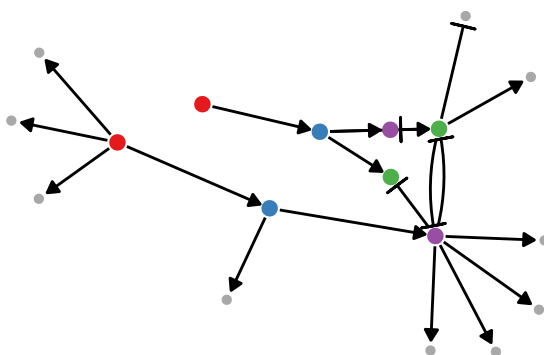
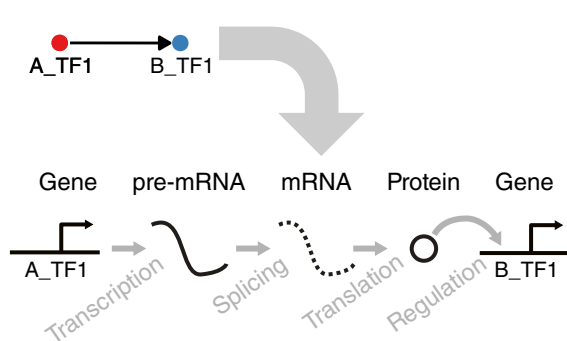
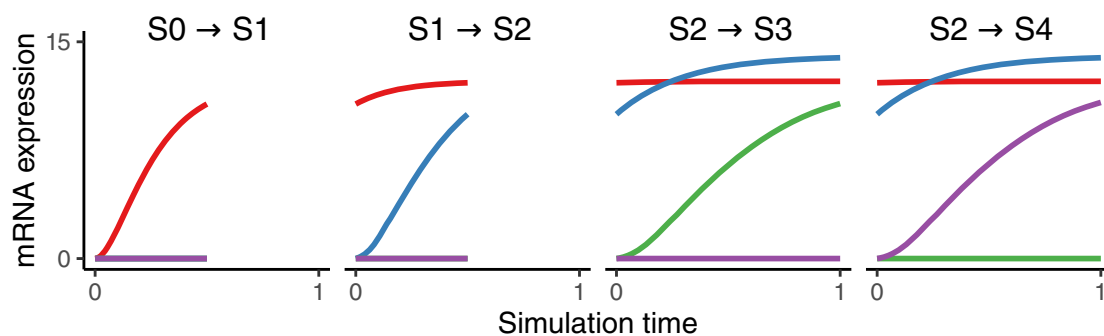
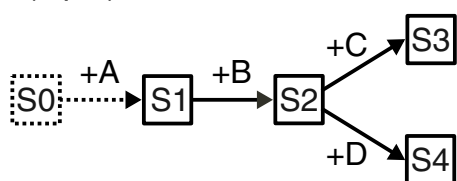
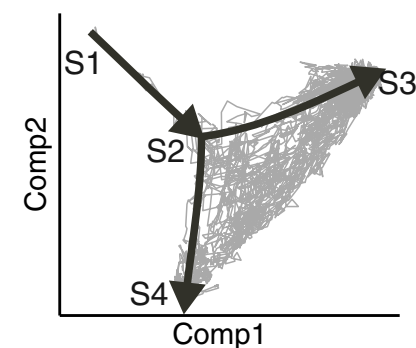
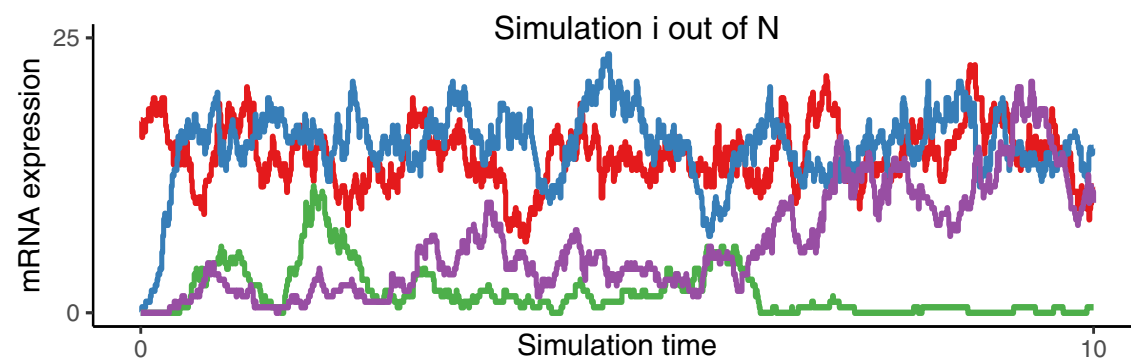


A Define module network

(Input)

**B Generate GRN****C Convert GRN to set of reactions****D Calculate average expression along backbone transitions**

(Input)

**E Simulate single cells and map to backbone****F Perform experiment; sample cells and molecules**