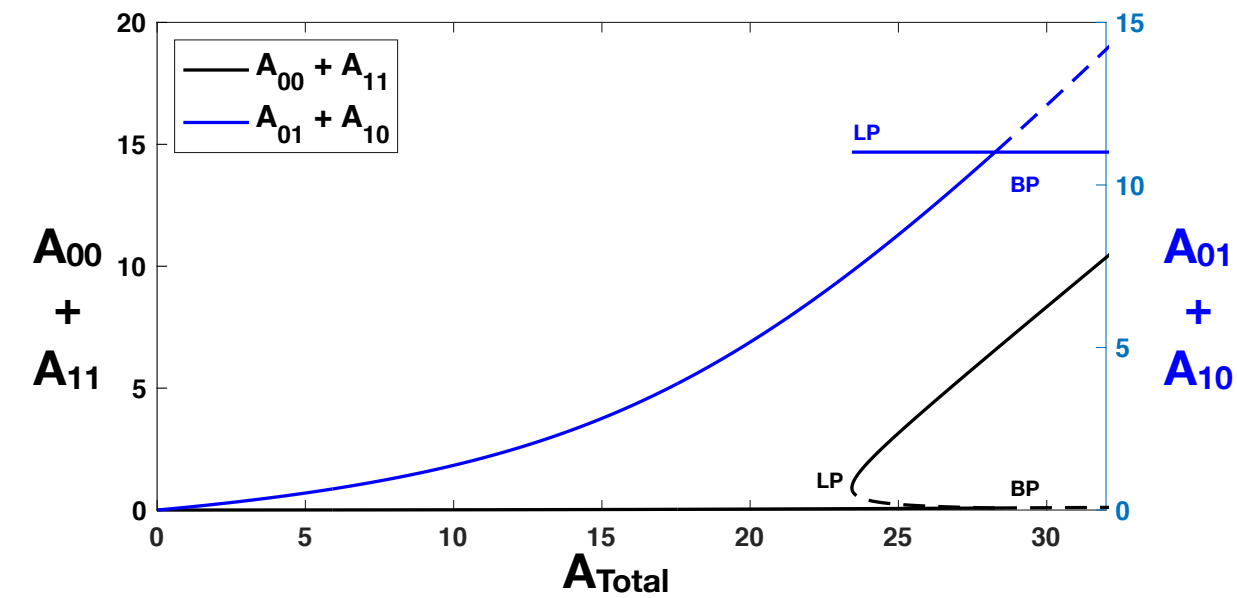
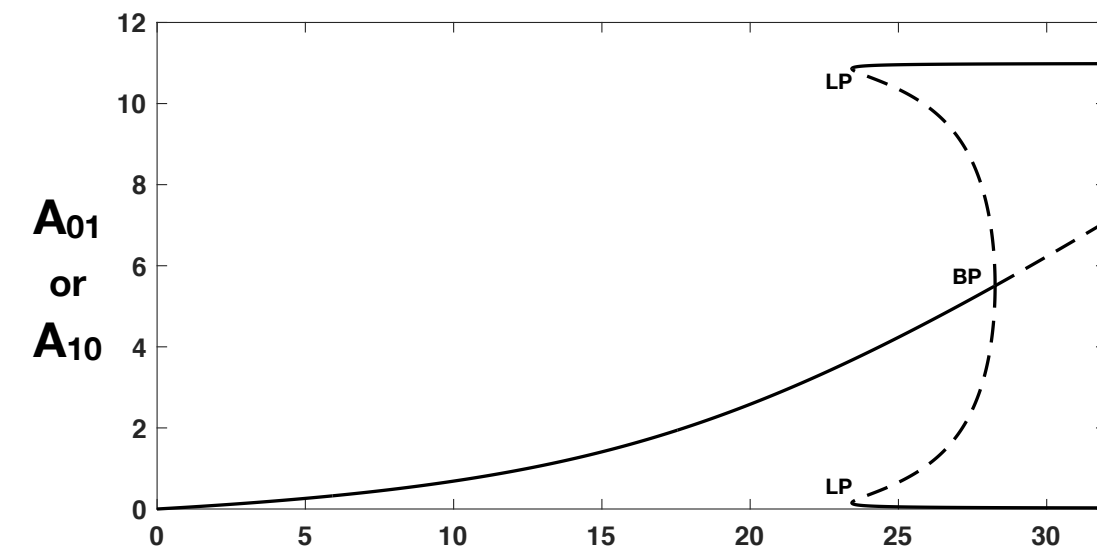
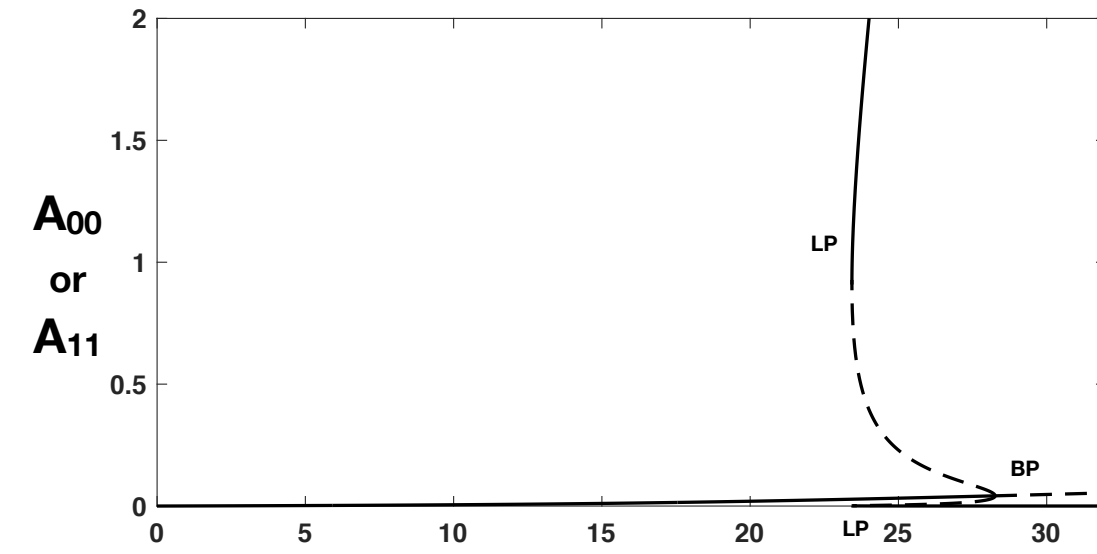
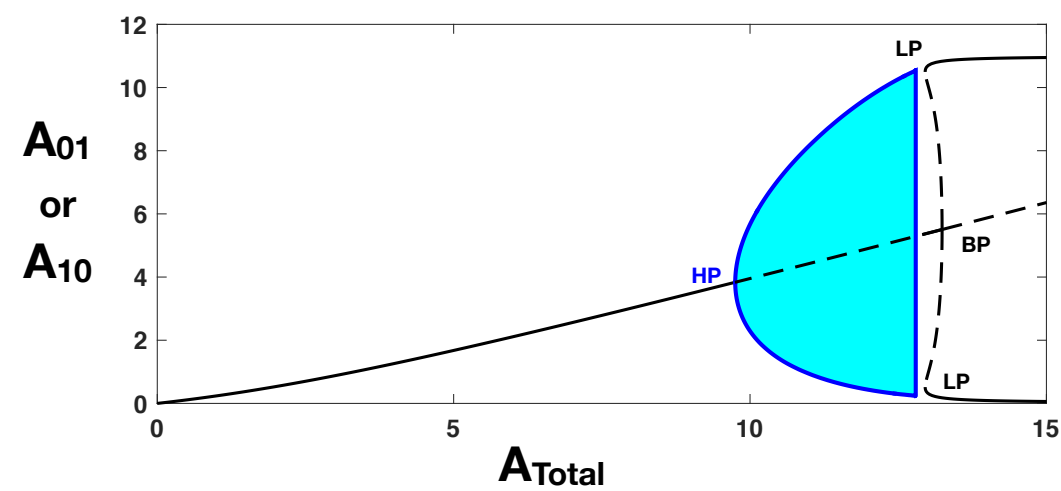
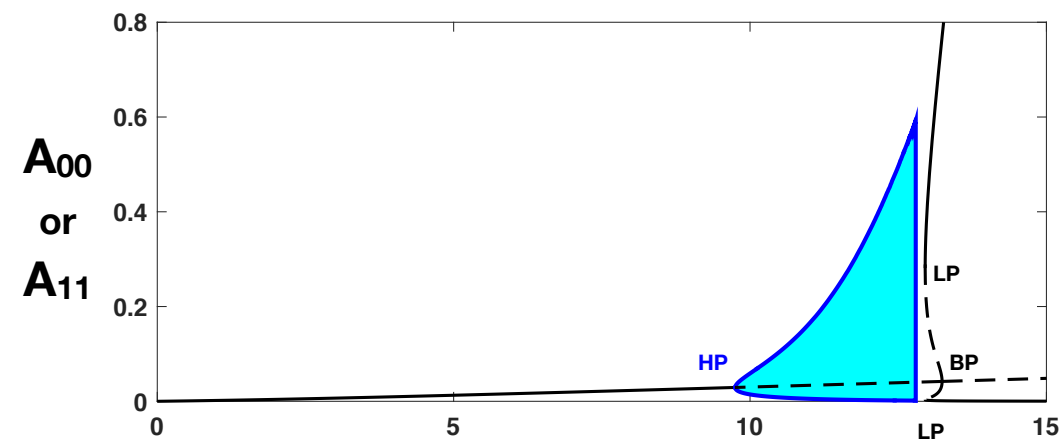
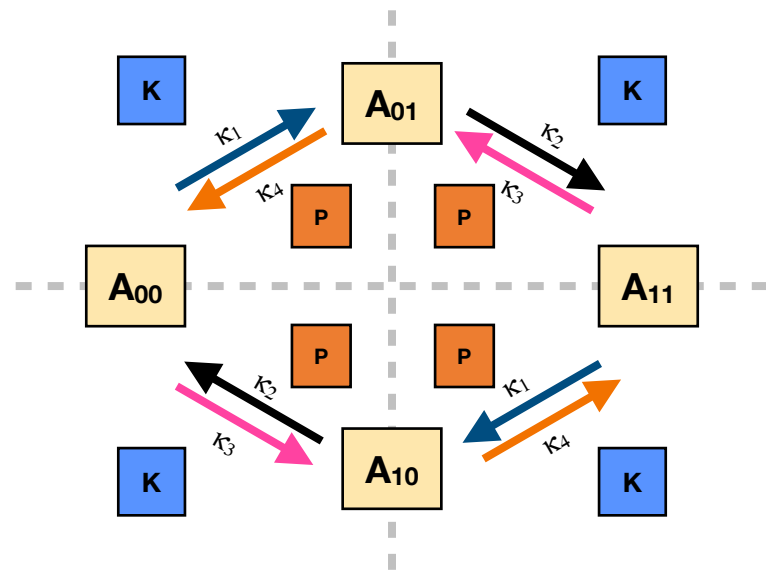


Case 3 Symmetry

(Symmetry Between the Fully Modified Substrate and the Unmodified Substrate) & (Symmetry Between the Partially Modified Substrates)

(A) RANDOM SYSTEM 1
Common Kinase Common Phosphatase



(B) RANDOM SYSTEM 3
Separate Kinase Separate Phosphatase

