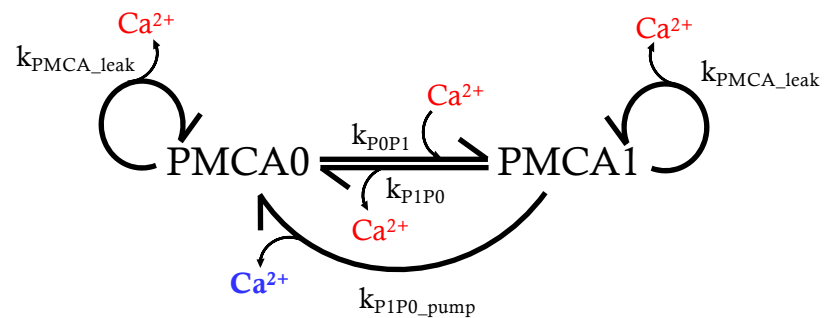
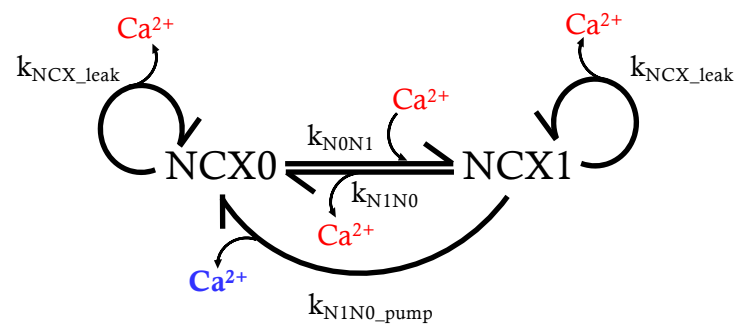


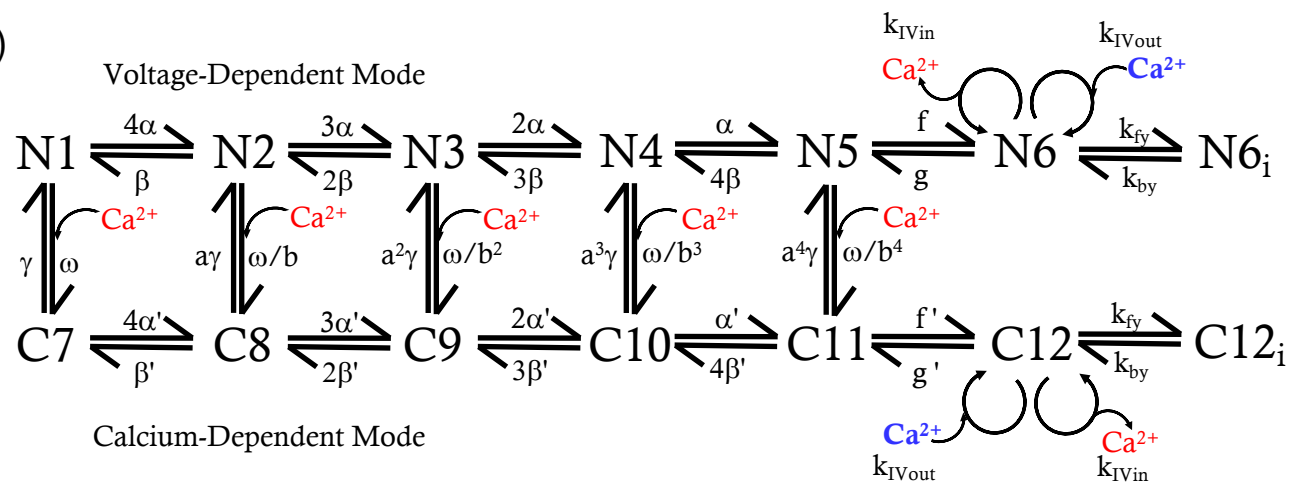
a)



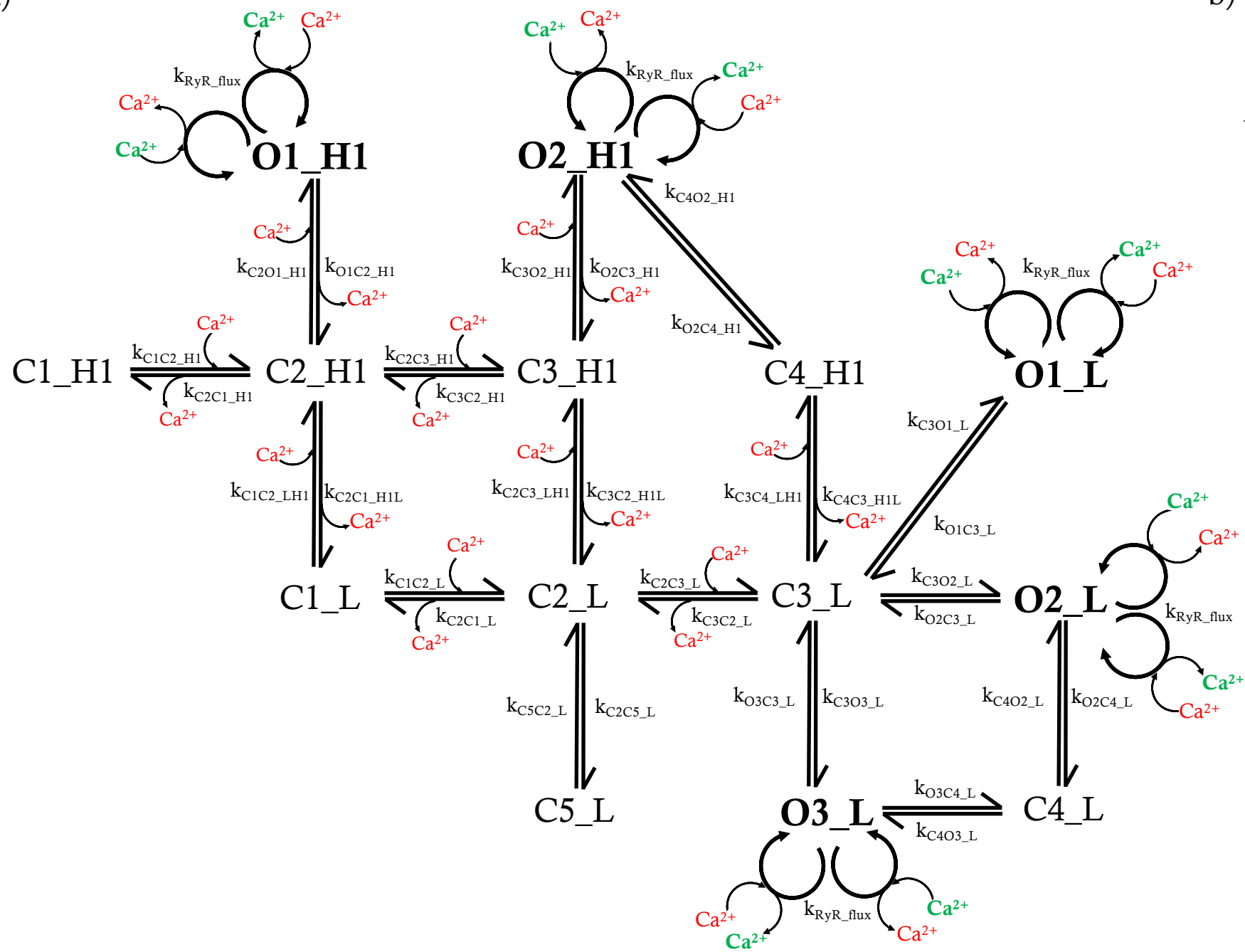
b)



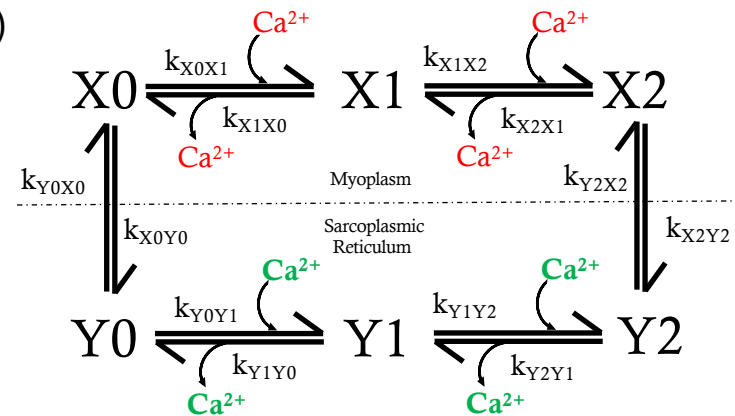
c)

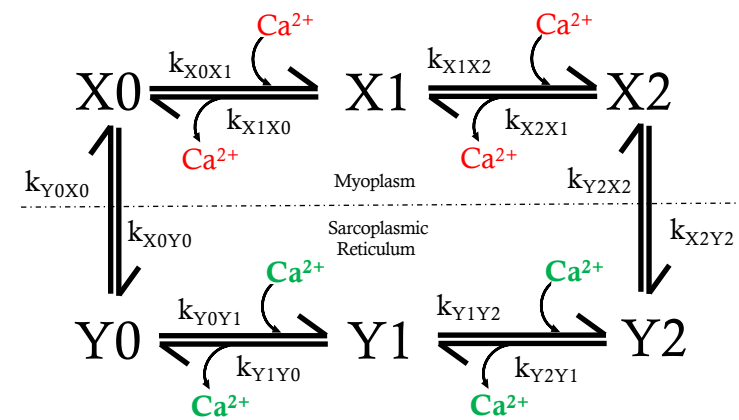
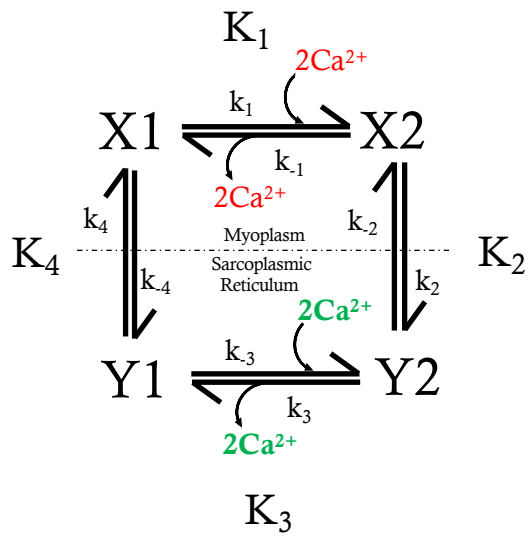


a)



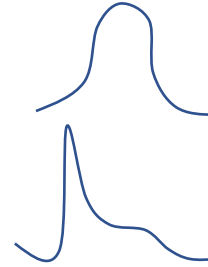
b)





Nodal AP – Sino/Atrial (SA) and Atrio/Ventricular (AV) nodes

Non-Nodal AP- Cardiomyocytes, his-perkinje system



Characteristics of cardiac action potentials

Rapid Depolarization

Rapid Repolarization (to baseline)

Change in voltage due to different ion channels opening

Non-Nodal

Phase 0 Rapid depolarization Na^+

Phase 1. K^+ open and Na^+ close

Phase 2. Ca^{2+} channels open and K^+ leaves cell

Phase 3. Repolarization phase (K^+ opening)

Phase 4. Cell is freely permeable to potassium (baseline)

