$$\frac{d[R]}{dt} = P_3 + P_1 \frac{1}{1+([R]/K_R)^{n_R}} \frac{([A]/K_A)^{n_A}}{1+([A]/K_A)^{n_A}} - D_R[R] - K_{on(RI)}[R][I] - K_{on(RL)}[R][L]$$

$$\frac{d[I]}{dt} = P_1 \frac{1}{1+([R]/K_R)^{n_R}} \frac{([A]/K_A)^{n_A}}{1+([A]/K_A)^{n_A}} - D_I[I] - K_{on(RI)}[R][I]$$

$$\frac{d[L]}{dt} = P_L \frac{1}{1+([R]/K_R)^{n_R}} - D_L[L] - K_{on(RL)}[R][L]$$

$$D_I \approx 0.02 \text{ sec}^{-1} (10^{-5} \text{ to } 0.1)$$

$$D_R \approx 0.002 \text{ sec}^{-1} (10^{-5} \text{ to } 0.1)$$

$$P_R \approx 0.014 \text{ Prot trans}^{-1}\text{sec}^{-1} (10^{-4} \text{ to } 10)$$

$$P_I \approx 0.8 \text{ Prot trans}^{-1}\text{sec}^{-1} (10^{-4} \text{ to } 10)$$

$$K_{off(RI)} = 5 \times 10^{-5} \text{ sec}^{-1}$$

$$K_{off(RL)} = 0 \text{ sec}^{-1}$$