# Supplementary Text 1 – Model Equations

**Two-receptor, one-ligand (2R1L) model**

















**Three-receptor, one-ligand (3R1L) model**



























**Four-receptor, one-ligand (4R1L) model**

























 













**Two-ligand, one-receptor (2L1R) model**















**Two-ligand, two-receptor, no-overlap (2L2R0X) model**





















**Two-ligand, two-receptor, one-overlap (2L2R1X) model**

























**Two-ligand, two-receptor, one-overlap (2L2R2X) model**



























