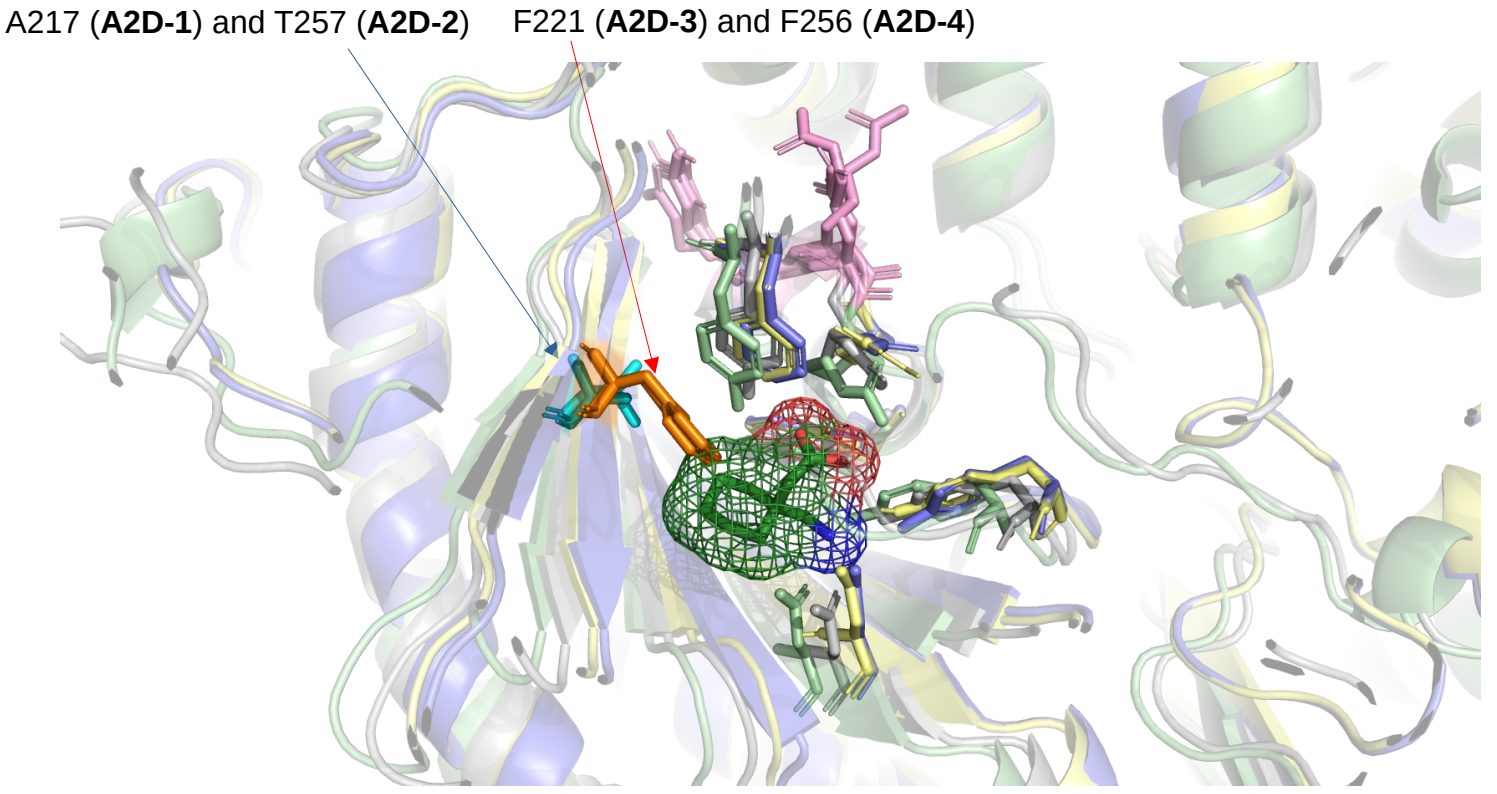

Superimposed ligand-binding pockets of $\alpha_2\delta1$ to $\alpha_2\delta4$ proteins. Gabapentin was docked to $\alpha_2\delta1$. $\alpha_2\delta1$ (gray) is from rabbit, $\alpha_2\delta2$ (light green), $\alpha_2\delta3$ (light yellow), and $\alpha_2\delta4$ (light blue) are AlphaFold models of human proteins. An amino acid causing steric hindrance is indicated by the red arrow. In pink the first two residue of the RRR (in $\alpha_2\delta1$ and $\alpha_2\delta2$)/RNR (in $\alpha_2\delta3$ and $\alpha_2\delta4$) sequence are shown; the last R of the RRR/RNR sequence is part of the amino acid binding motif. The amino acid binding motif (Gumerov et al., 2022) residues are also shown.