

Description of Additional Supplementary Files

Supplementary Movie 1: Comparison of the $\alpha\beta$ GlyR-Gly-Ivm map to a previously published cryo-EM map of homomeric $\alpha 1$ GlyR in the presence glycine and ivermectin (EMD-21237). The heteromeric channel is shown with α subunits in yellow, β in orange and non-protein densities in black. The entire map of homomeric $\alpha 1$ GlyR is shown in grey. Sigma levels are indicated as changed in the movie. The movie shows sequentially, subunit-specific glycosylation of $\alpha 1$ and β subunits, the $\alpha 1$ GlyR extended C-terminal region and differential ivermectin binding at the homomeric α/α interface and β/α interface.