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The Third Extracellular Loop of Mammalian Odorant Receptors Is Involved in Ligand Binding

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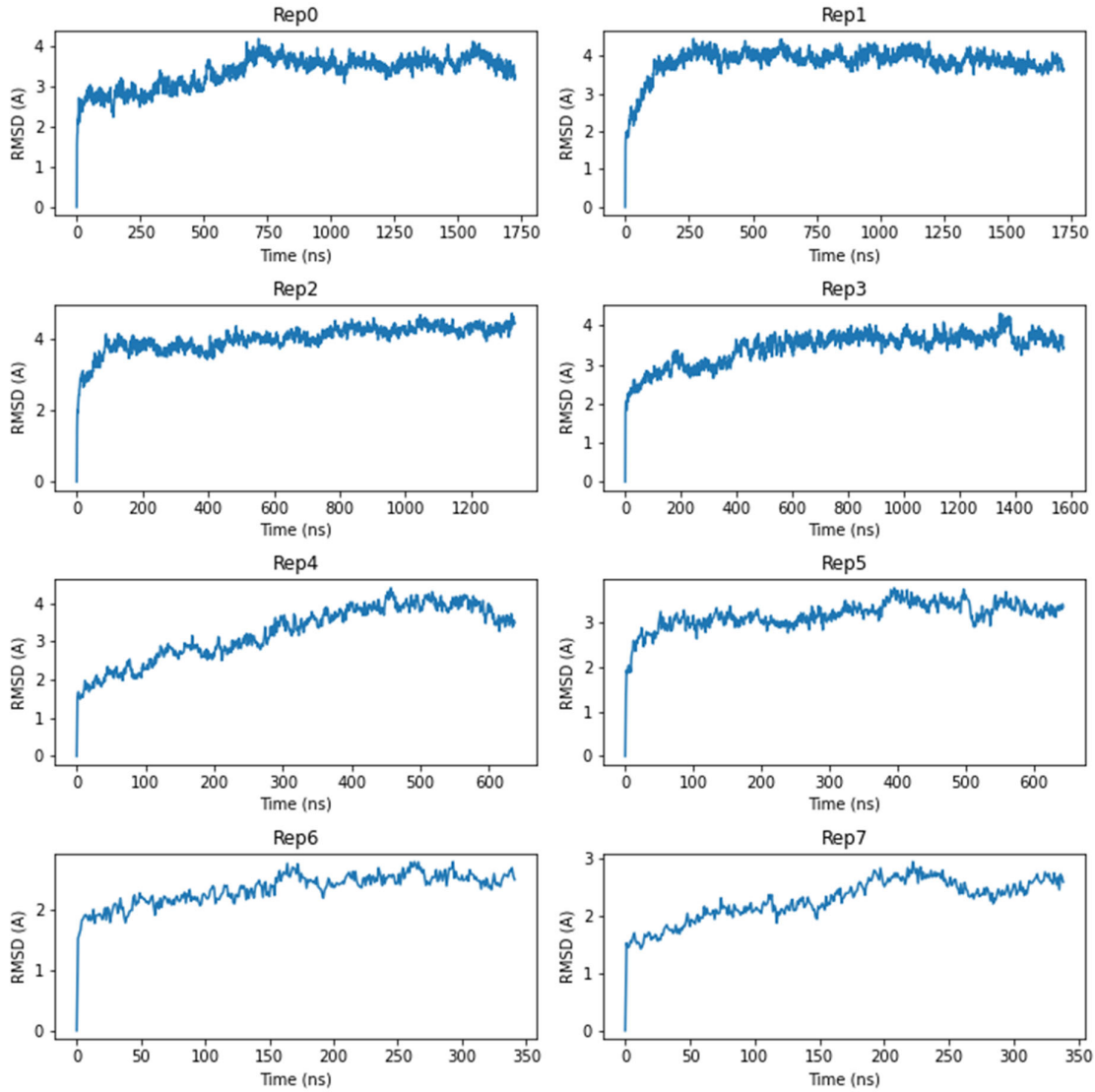
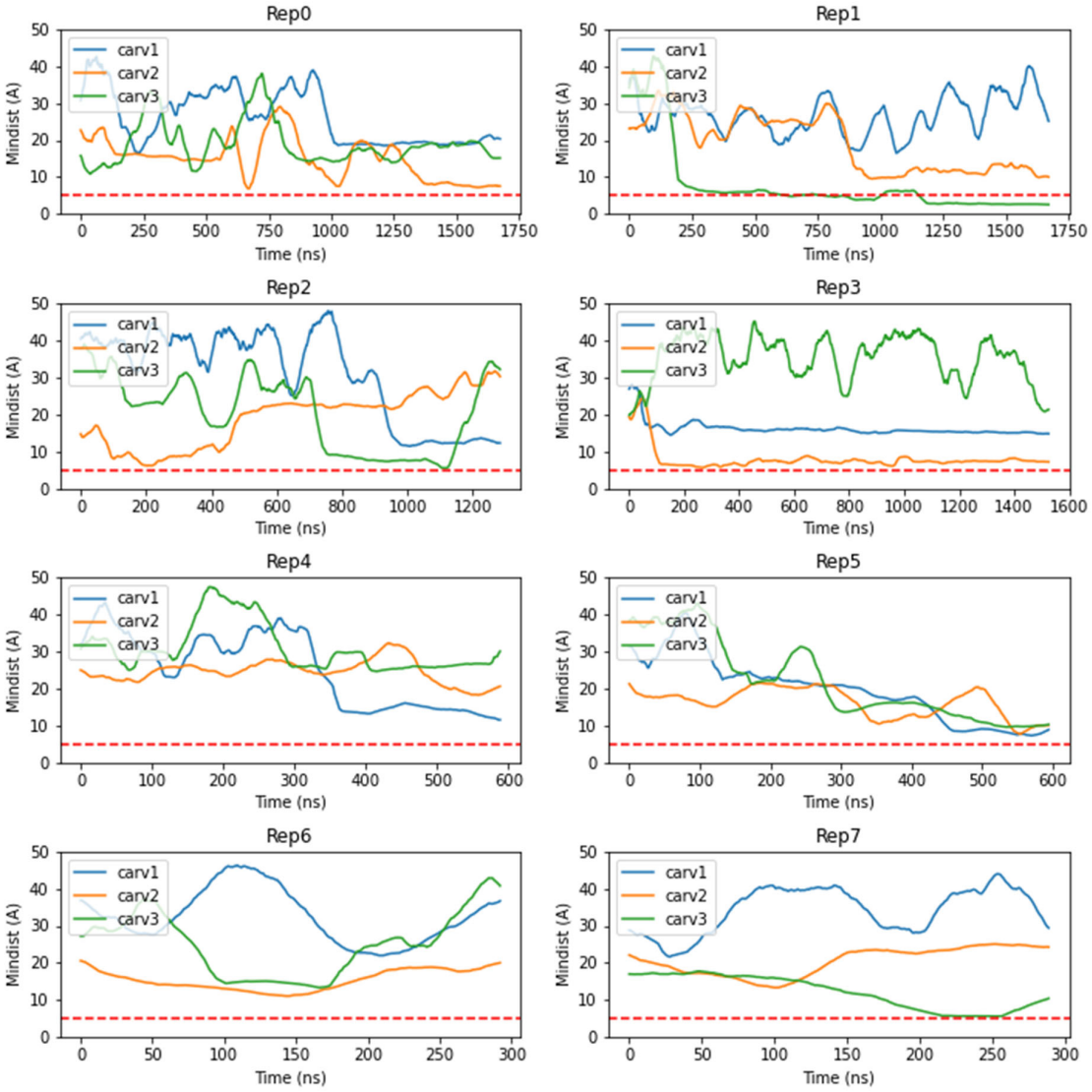
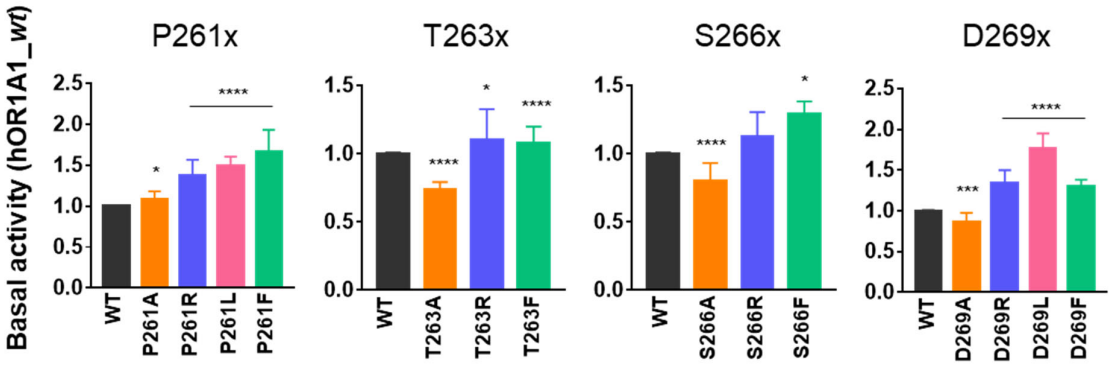
Supplementary materials



Supplementary Figure S1. Time evolution of the Root Mean Square Deviation (RMSD) of the 8 replicas of hOR1A1 studied. The RMSD is computed on N, Cα, C backbone atoms with respect to the structure of the initial model.



Supplementary Figure S2. Evolution of the distance between the center of mass of the three individual (−)-carvone molecules (in blue, yellow and green) and the center of mass of residue Y251 (cradle of the binding cavity). The dotted red line at 5 Å indicates the threshold at which we consider an interaction between a molecule and residue Y251.



Supplementary Figure S3. Basal activity graph of *wt* hOR1A1 and mutants at positions P261, T263, S266, and D269. (Two-tailed

unpaired t-test; *p<0.05, ***p<0.001, and ****p<0.0001)