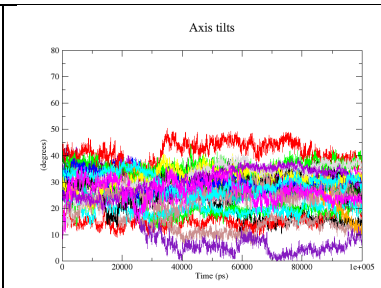
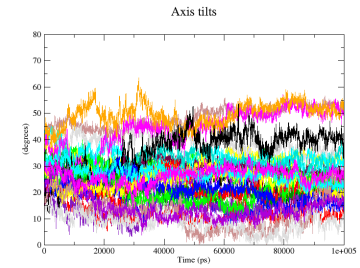
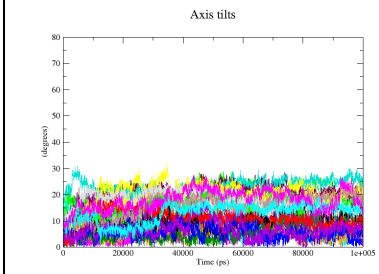
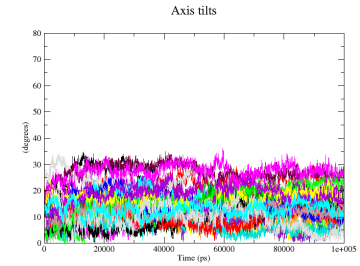
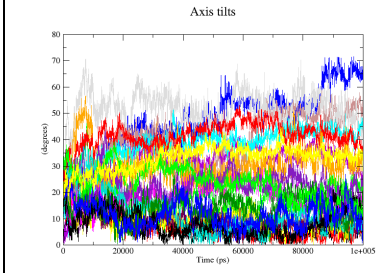
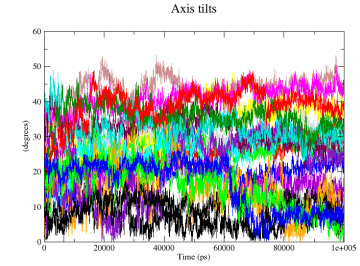
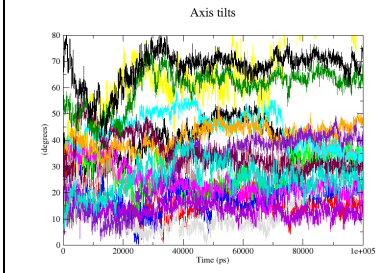
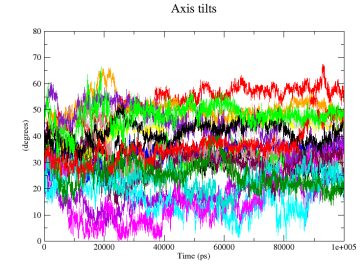
GSGSGS		GGGGS	
PPPP		PPP	
4*βA		GABA	
GABA*2		6-Ahx	

Figure S1. The charts represent the change in helix axis tilt of peptides during a 100 ns molecular dynamics simulation for peptides with different linkers.

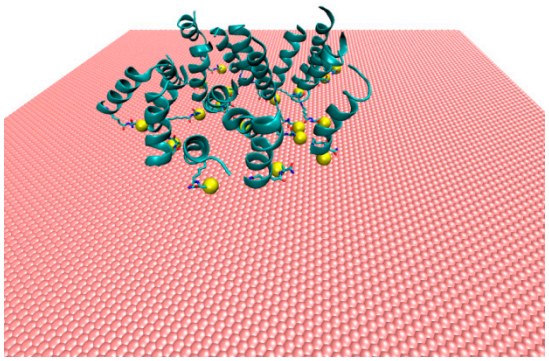
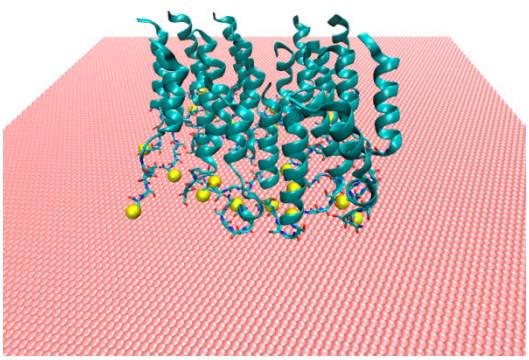
	
Structure of the receptor with 6*Ahx linker	Structure of the receptor with GSGSGS linker

Figure S2. Representative structures of receptors from both groups (proteogenic and non-proteogenic).

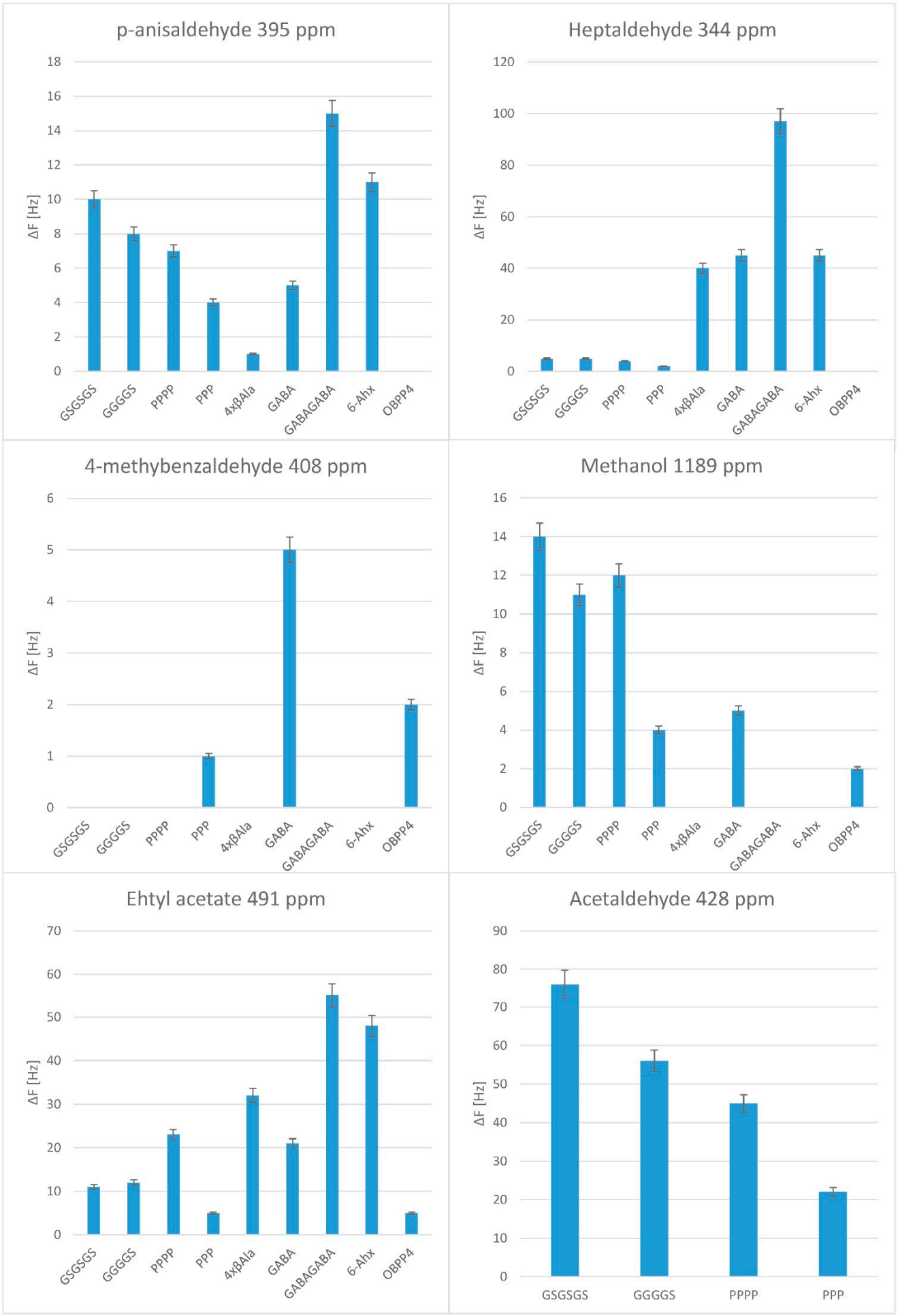


Figure S3. The changes of resonance frequencies (ΔF) in the presence of different gaseous compounds.