Supplementary data

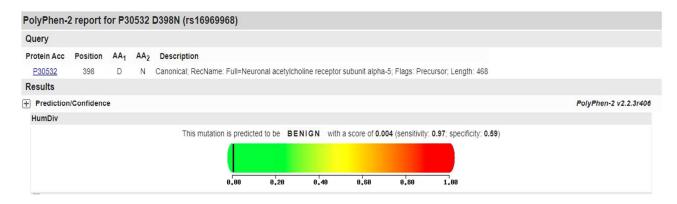


Fig. S1: PolyPhen-2 identifies the D398N mutation as benign with a score of 0.0004.

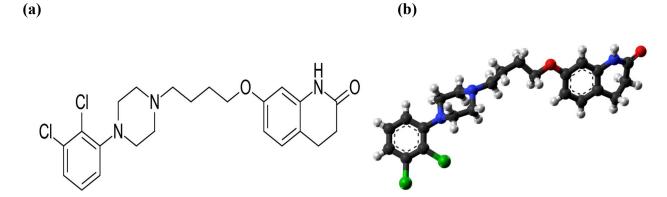


Fig. S2: (a) 2D and (b) 3D structure of Aripiprazole molecule, an atypical antipsychotic marketed as an antidepressant, selected as reference drug. (Clc4cccc(N3CCN(CCCCoc2ccc1c(NC(=0)CC1)c2)CC3)c4Cl)

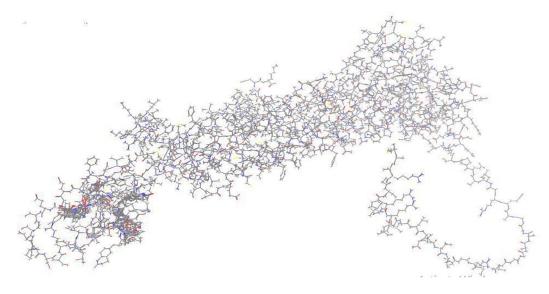


Fig. S3: 2D and 3D structural visualization of CHRNA5 docked with Aripiprazole (Reference compound) and selected ligands by Maestro.