**Supplementary Figure S1. Binding pattern of deferasirox with ADRP**. **(A)** Surface view of ADRP**-**Exjade complex. (B) Residue interaction diagram of Exjade with ADRP. (C) 2D interaction diagram of ADRP-Exjade interaction.

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**Supplementary Figure S2. Binding pattern of droperidol with ADRP**. **(A)** Surface view of ADRP**-**Inapsine complex. (B) Residue interaction diagram of Inapsine with ADRP. (C) 2D interaction diagram of ADRP-Inapsine interaction.

