Supplementry data for the article:

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Electronic Supplementary Information

Opposite clozapine and ziprasidone effects on the reactivity of plasma albumin SH-group are the consequence of their different binding properties dependent on protein fatty acids content

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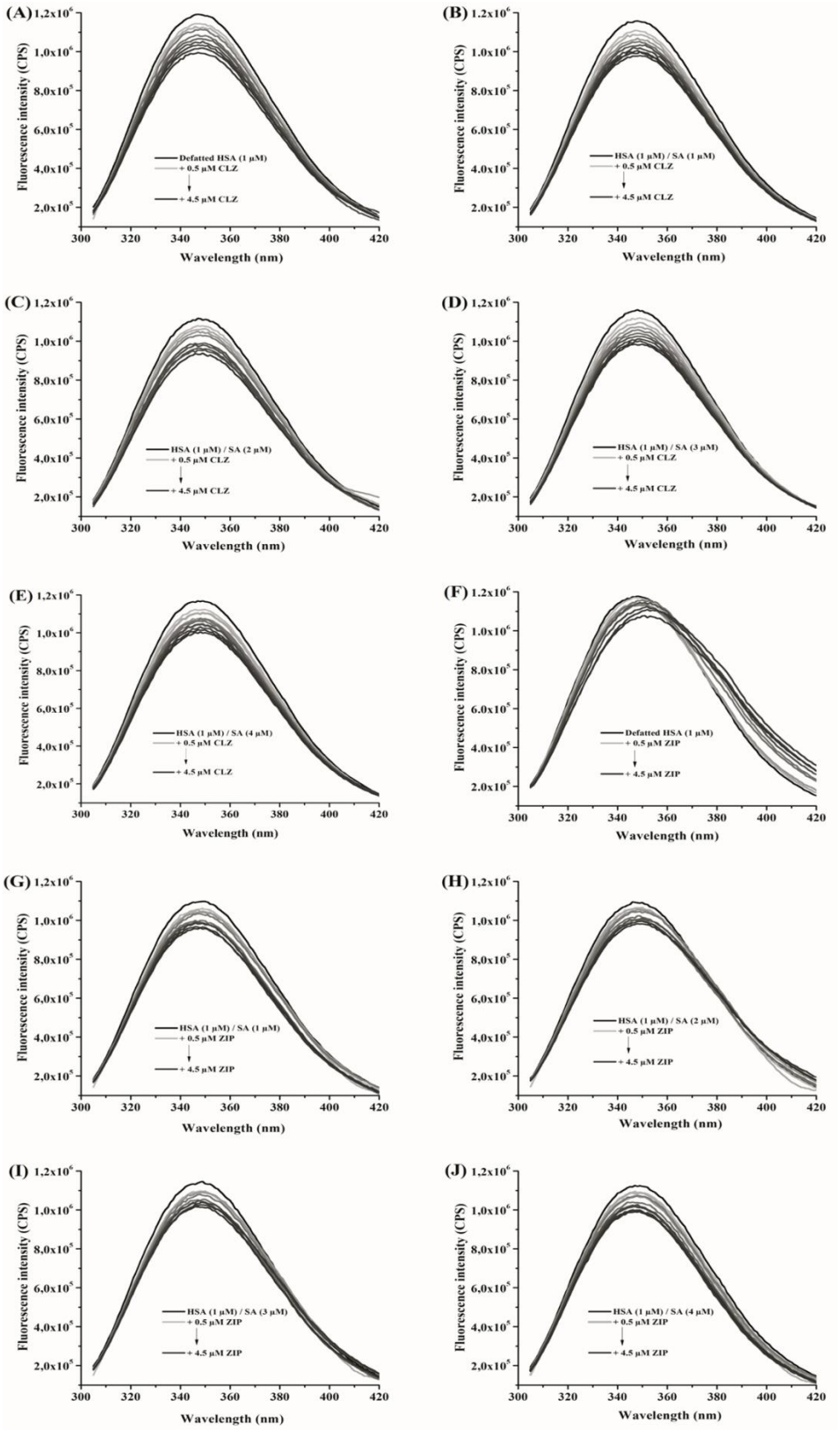

Fig. S1. Quenching of (de)fatted human serum albumin (HSA; 1 μM) fluorescence by clozapine (CLZ) or ziprasidone (ZIP) (0.5, 1, 1.5, 2, 2.5, 3, 3.5, 4 and 4.5 μM) in 0.1 M sodium phosphate buffer pH 7.4 at 37°C (excitation wavelenght 295 nm); HSA/SA, HSA in complex with stearic acid.

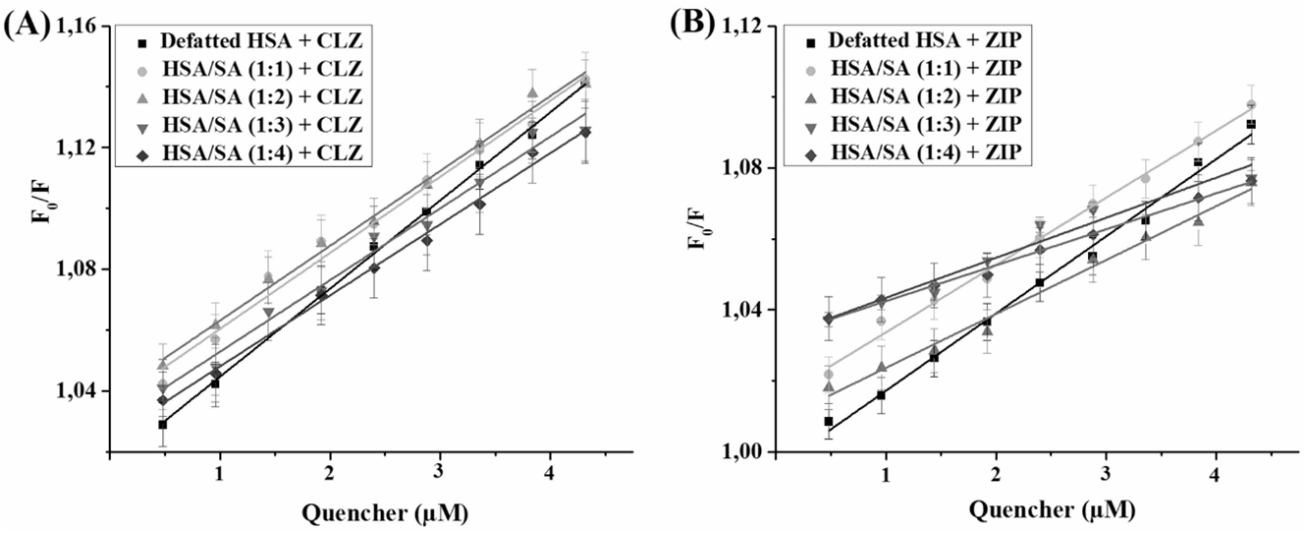

Fig. S2. Stern-Volmer plots of (de)fatted human serum albumin (HSA) fluorescence quenched by clozapine (CLZ) or ziprasidone (ZIP) at 37°C and pH 7.4; HSA/SA, HSA in complex with stearic acid (molar ratios from 1:1 up to 1:4). Error bars represent the standard deviation (n=2).

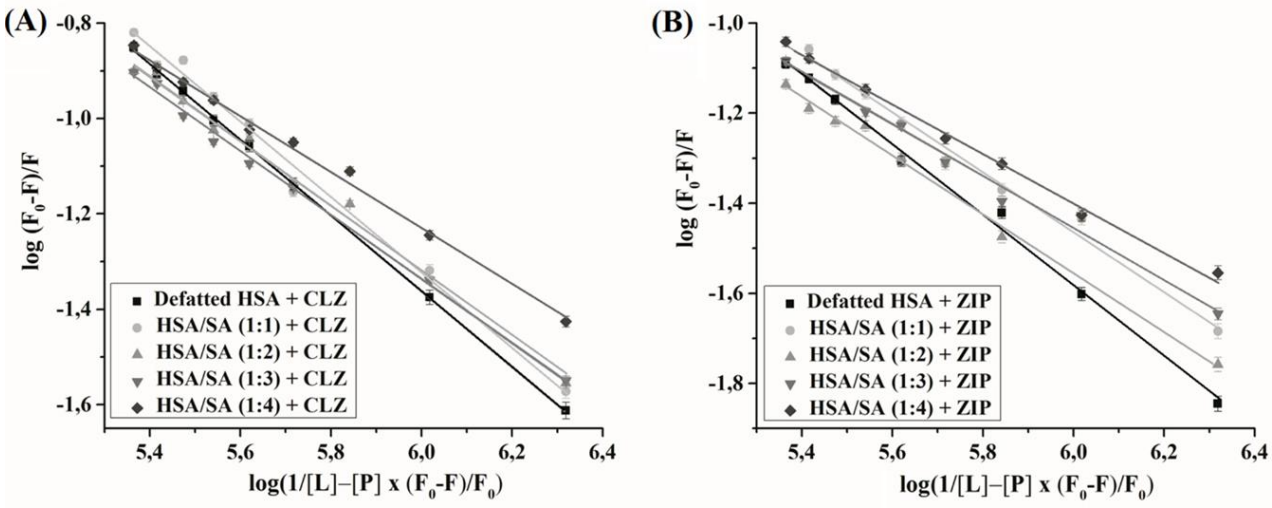

Fig. S3. Fluorescence quenching based plots, from data for the determination of binding constants and the number of binding sites of (de)fatted human serum albumin (HSA) in complex with clozapine (CLZ) or ziprasidone (ZIP) at 37°C and pH 7.4; HSA/SA, HSA in complex with stearic acid (molar ratios from 1:1 up to 1:4). Error bars represent the standard deviation (n=2).