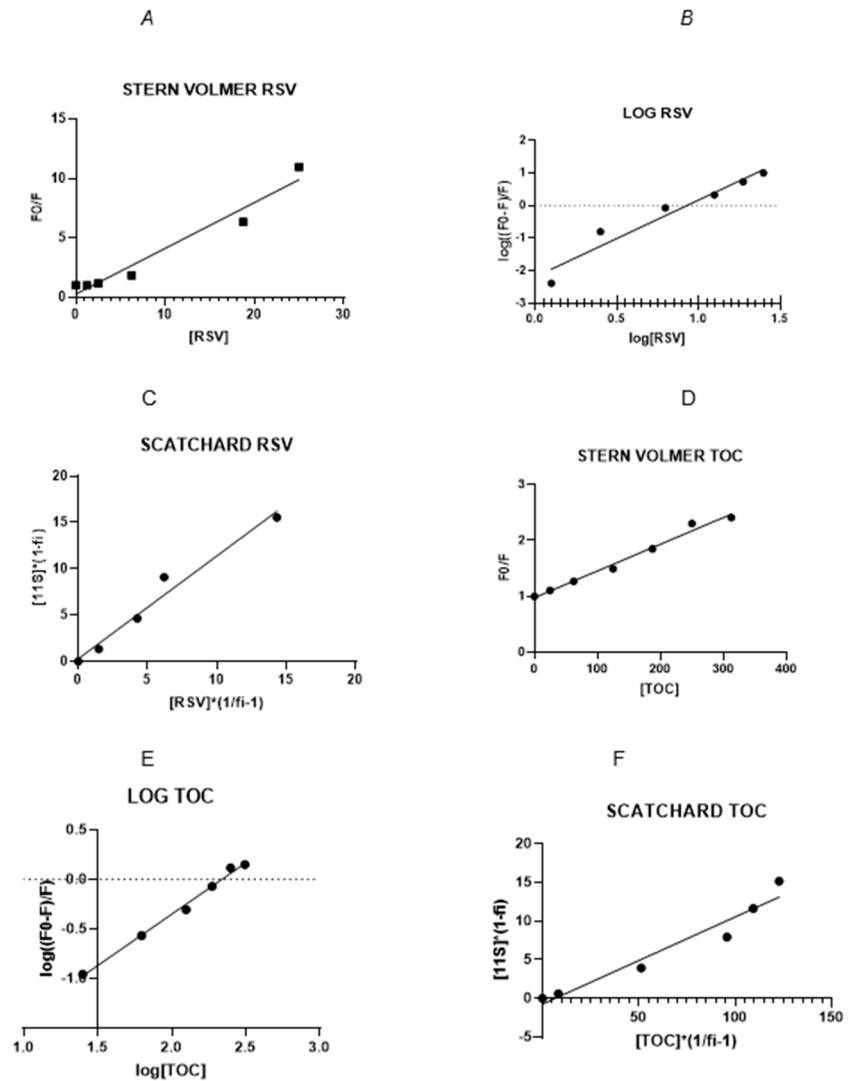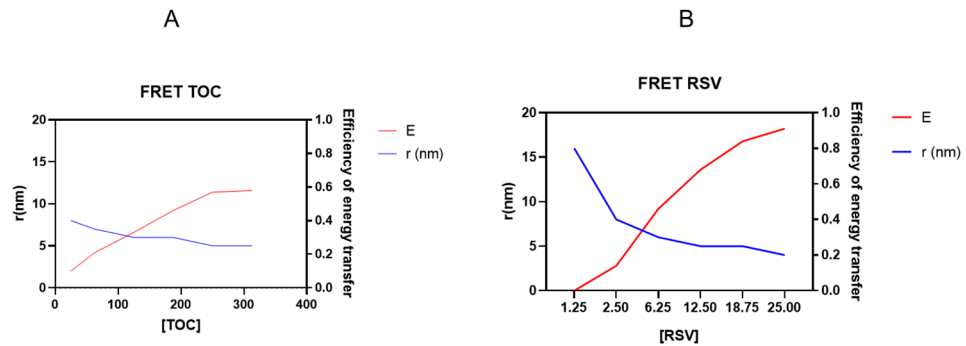**Supplementary Materials:**

Supplementary Figure 1: Fitting of experimental data with Stern Volmer (A), Log (B) and Scatchard (C) model for 11S-RSV mixtures. Stern Volmer (D), Log (E) and Scatchard (F) model for 11S-TOC mixtures. Dots: experimental data. Continue line: predicted model.

Supplementary Figure 2: Distances between acceptor and donor for 11S globulin and TOC (A) or 11S globulin and RSV (B) derived from FRET analysis.