



**Fig. S3.** Fluorescent protein-protein binding assay of Cy3-labeled RXR $\alpha$  titrated against increasing concentrations of unlabeled LXR $\alpha$ . The change in fluorescence intensity of 25nM Cy3-labeled RXR $\alpha$  was titrated with increasing concentrations (0-250 nM) of (A) Wild-type LXR $\alpha$ , (B) L414R LXR $\alpha$ , (C) R415A LXR $\alpha$ .