



**Fig. S1.** Effects of LXR $\alpha$  interface mutations on ligand binding of (A) wild-type, (B) H383E, (C) E387Q, (D) H390E, (E) L414R, and (F) R415A LXR $\alpha$  to 25-HC. All mutants, except H390E, showed reduced binding affinity compared to the wild-type. Three independent experiments were performed for each analysis.