SUPPLEMENTAL DATA

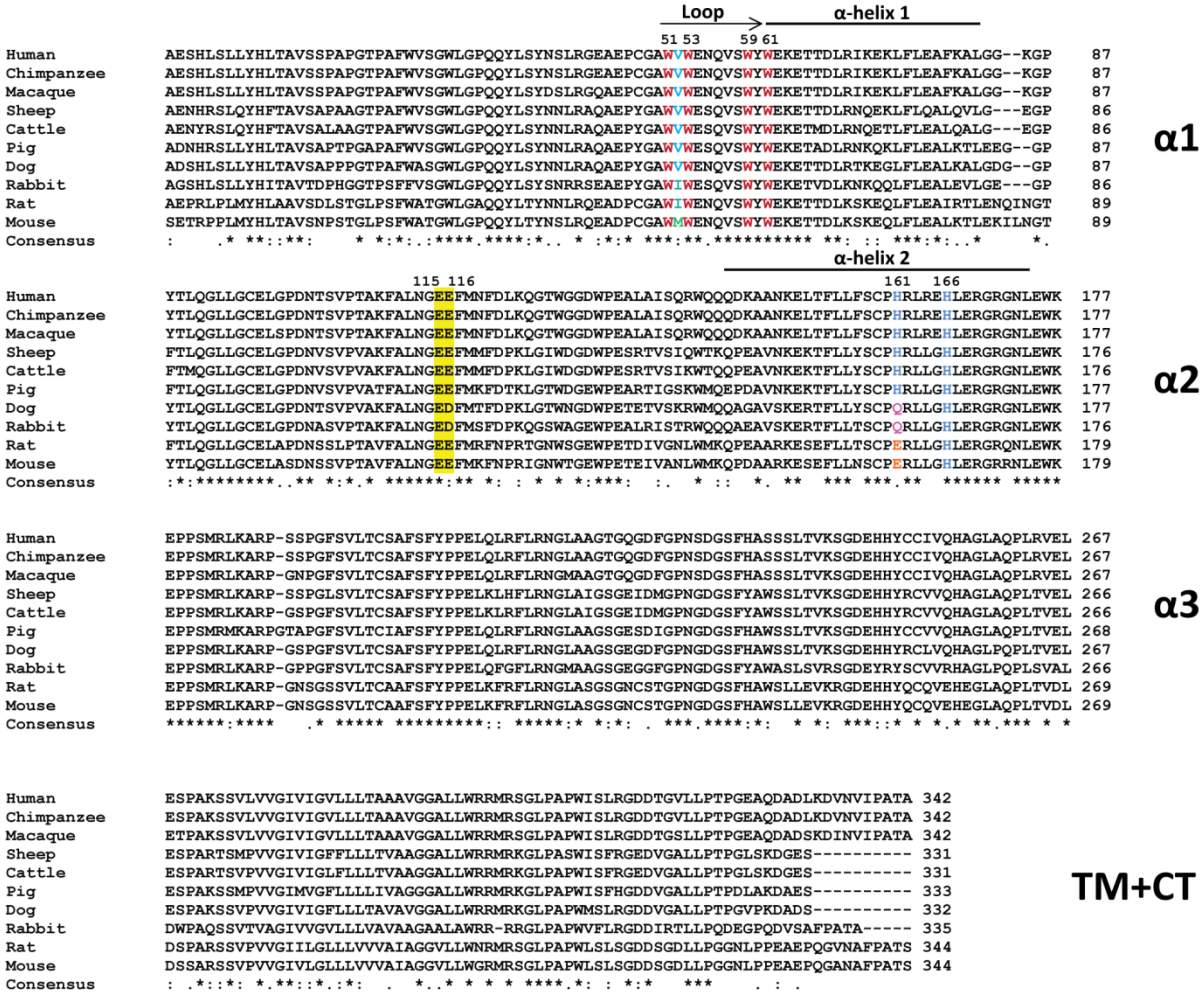

Figure S1. Alignment of the amino acid sequences of FcRn HC from multiple species.
CLUSTAL W was used to align the amino acid sequences from human (NP_001129491), chimpanzee (XP_512822), macaque (AAL92101), sheep (NP_001116875), cattle (NP_788830), pig (NP_999362), dog (XP_533618), rabbit (ABY47597), rat (NP_203502) and mouse FcRn (NP_034319) using the BLOSUM matrix. The gap open penalty was set to 10, and the gap extension penalty to 0.05. The conserved tryptophans in the α1-domain are marked in red, the glutamic acid residues important for IgG binding in yellow, the histidines within the α2-domain involved in albumin binding are shown in light blue while Gln161/Gln160 of dog and rabbit, and Glu163 of mouse and rat are shown in purple and orange, respectively.

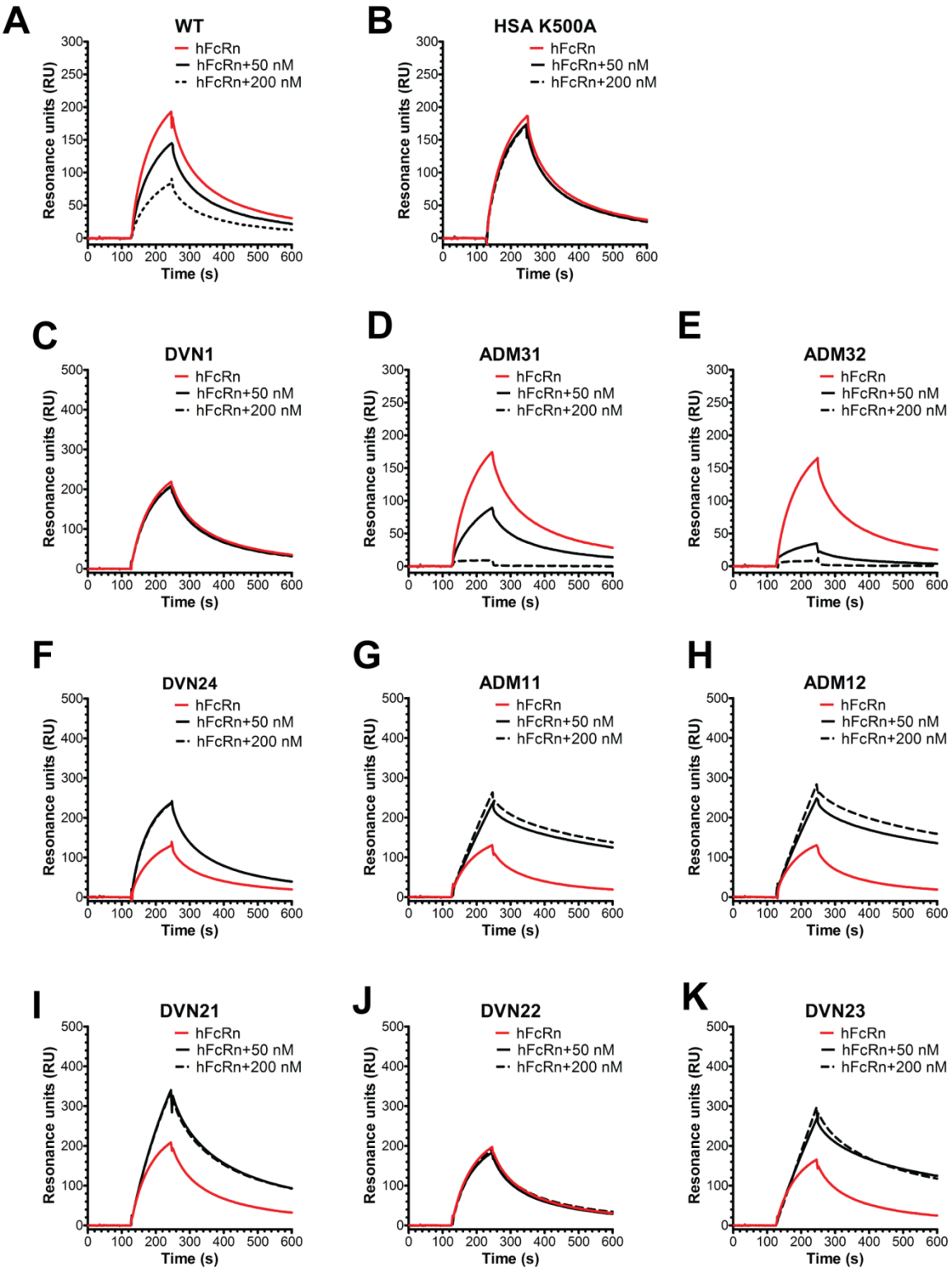

Figure S2. Competitive SPR binding analysis of hFcRn to HSA in the presence of HSA, HSAK500A or anti-FcRn Abs.

Representative SPR sensorgrams showing binding of 200 nM of hFcRn injected alone or in the presence of 50-200 nM of (A) WT HSA, (B) HSA-K500A or (C-K) monoclonal Abs as indicated over immobilized WT HSA (1500 RU) at pH 6.0. All injections were done at 25°C with a flow rate of 50 µl/min.