

Supplementary Figure 1. BIAcore sensorgrams of the interaction of the WT (A), T250Q/M428L (B) and H435A (C) Fcs with human and mouse FcRn at pH 6.0.

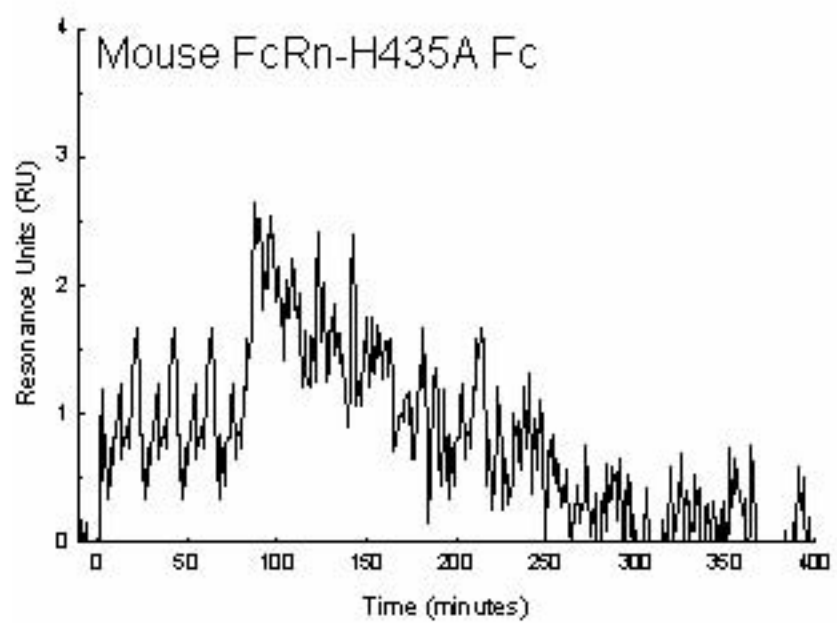
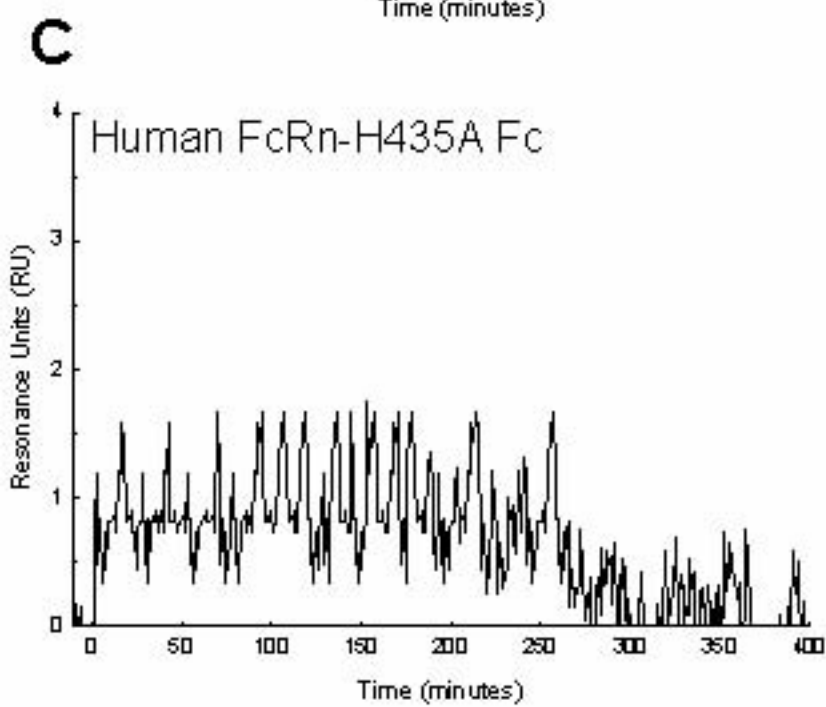
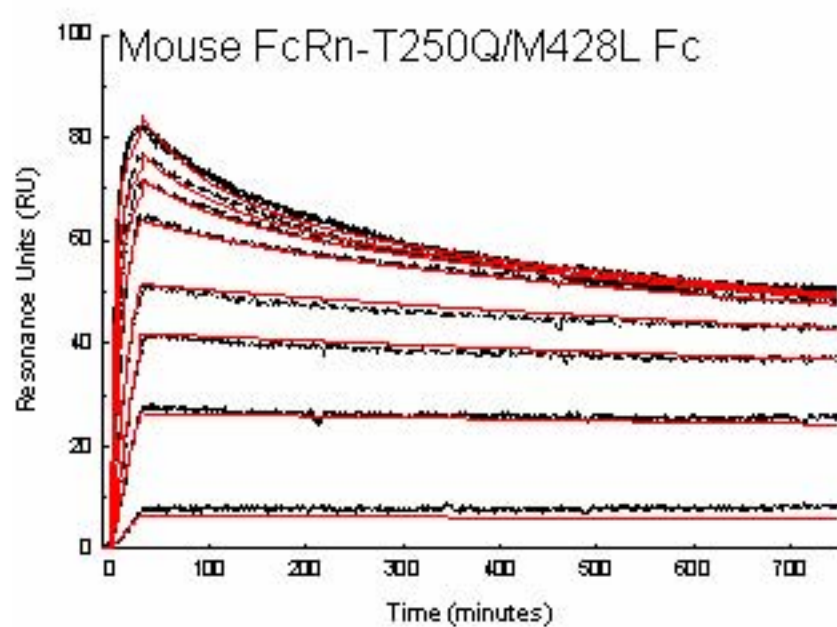
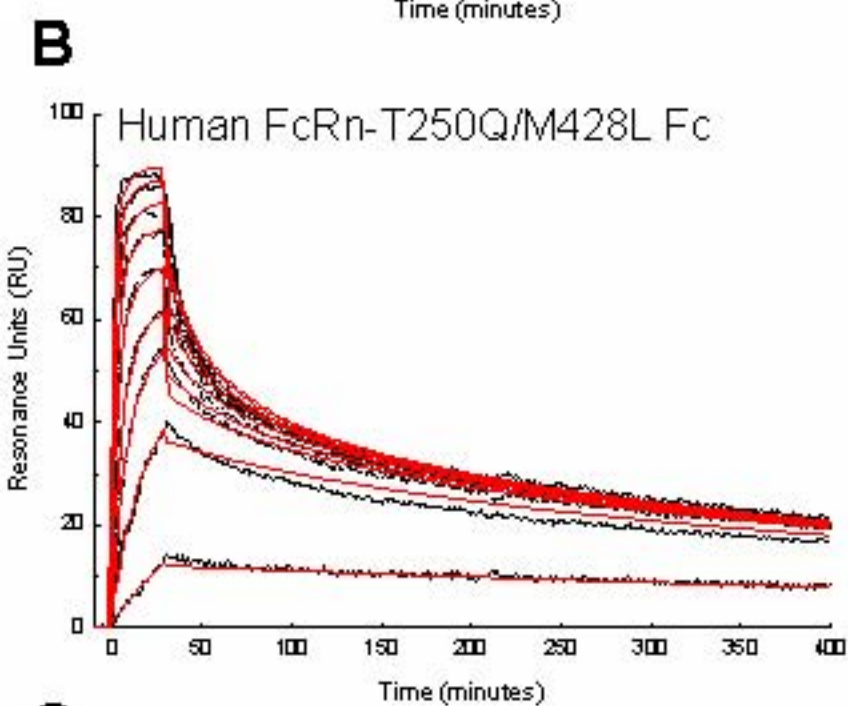
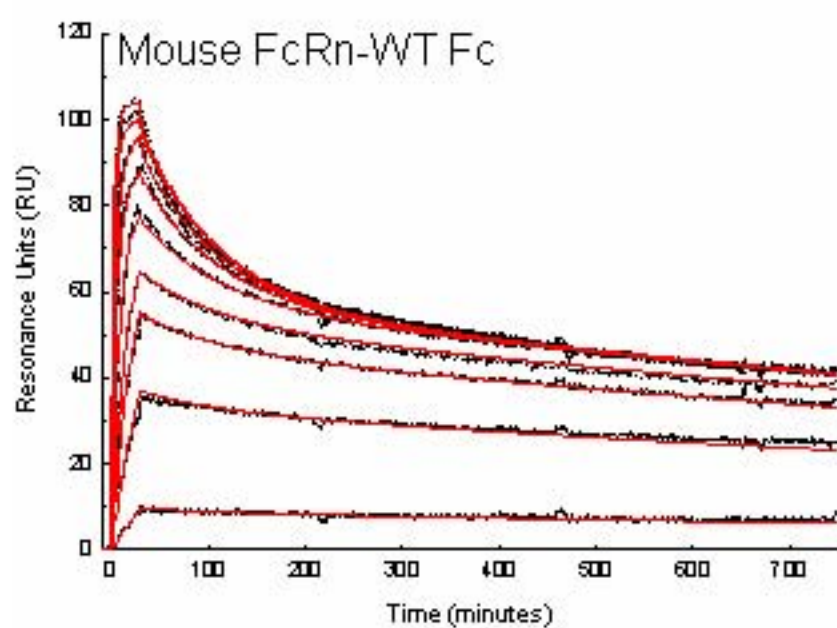
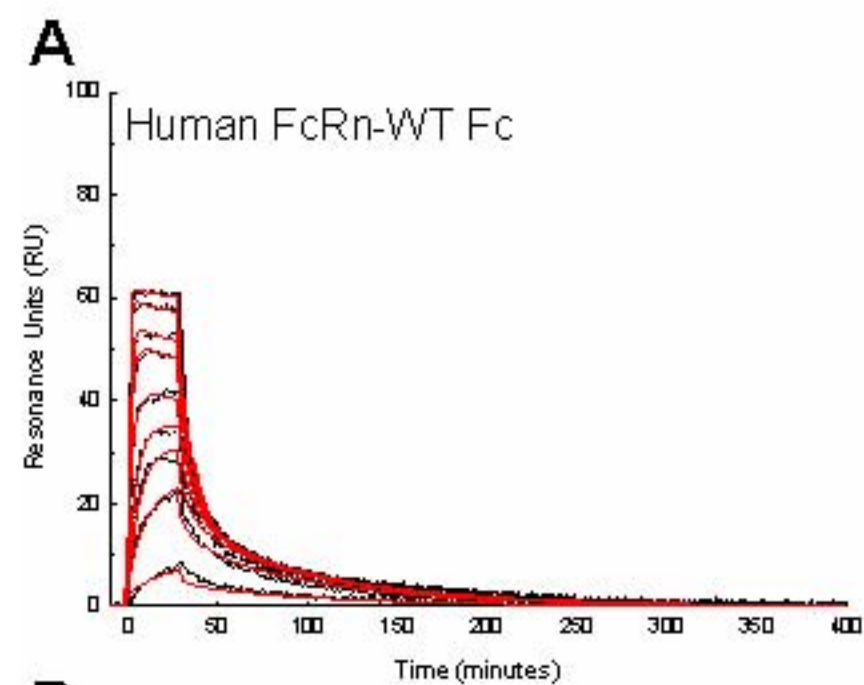
Sensorgrams for WT and T250Q/M428L display the response values for the average of three measurements at Fc concentrations of 0.0033 μ M to 4.0 μ M in black and the data fitted to the heterogenous binding model for each concentration in red. Sensorgrams for H434A display the response values for the average of three measurements at Fc a single concentration of 4.0 μ M in black. Affinity data were not calculated for H435AFc since RU at the highest Fc concentration were at the level of noise (± 2 RU) for the Biacore 2000 system.

Supplementary Figure 2. BIAcore sensorgrams of the interaction of the WT (A), T250Q/M428L (B) and H435A (C) Fcs with human and mouse FcRn at pH 7.4.

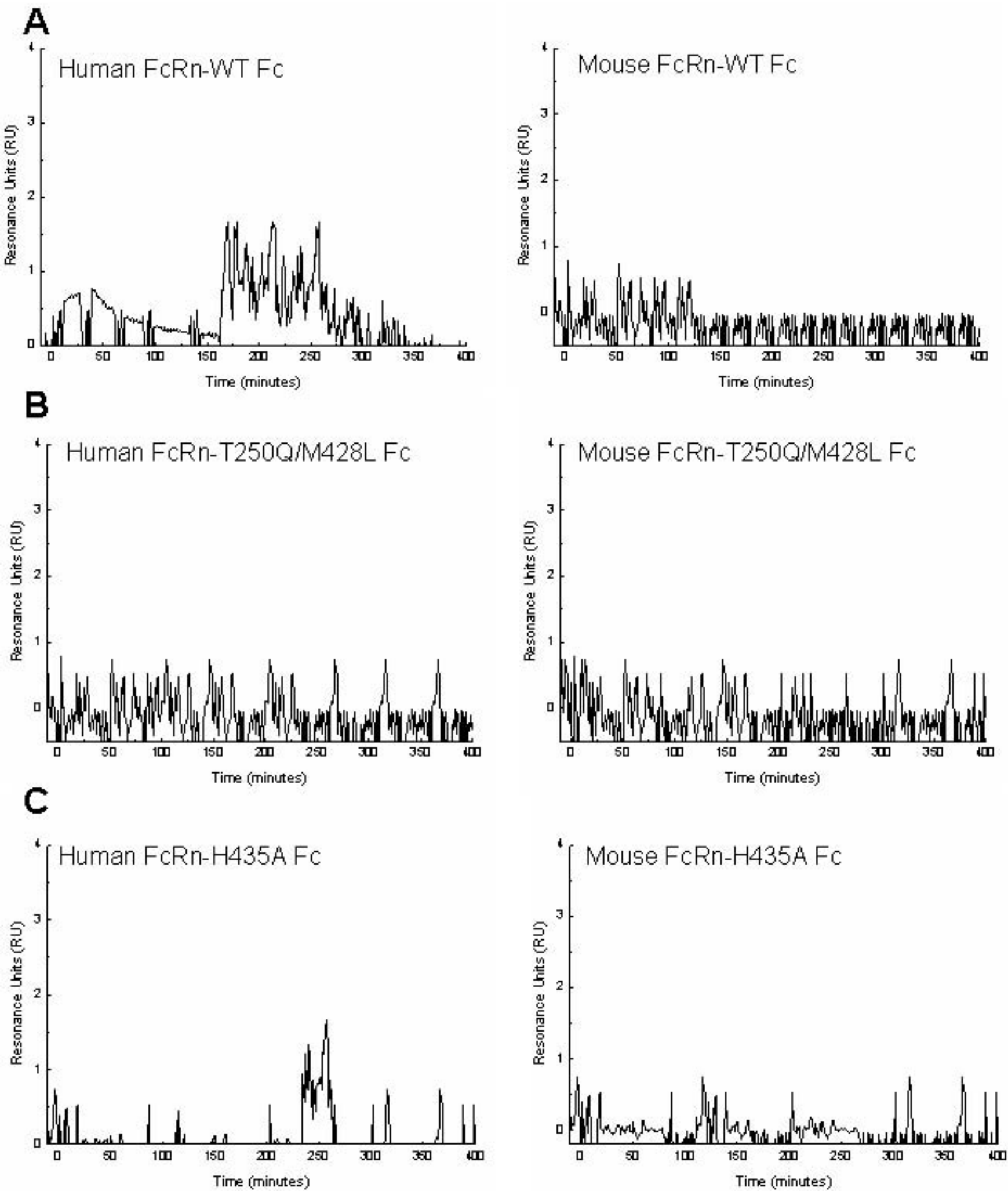
Sensorgrams for each Fc display the response values for the average of three measurements at a single concentration of 50 μ M.

Supplementary Figure 3. BIAcore sensorgrams of the interaction of the WT (A) and T250Q/M428L (B) Fcs with human and mouse FcRn measuring dissociation at pH 7.4 after complexes were formed at pH 6.0. Studies were conducted at 25° C. Sensorgrams for WT and T250Q/M428L display the response values for binding and dissociation at Fc concentrations of 0.0033 μ M to 4.0 μ M. Arrows indicate dissociation phase at pH 7.4, and the values shown are for the rates of dissociation estimated at pH 7.4. Estimated k_{off} values for dissociation phase at pH 7.4 are: WT-MFcRn ~ 5 sec; T250Q/M428L-HFcRn ~ 12 sec, T250Q/M428L-MFcRn ~ 35 sec, WT-hFcRn: too fast to estimate.

Supplementary Figure 1



Supplementary Figure 2



Supplementary Figure 3

