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Supplementary Material

**Investigating substitutions in antibody-antigen complexes using
molecular dynamics: a case study with broad-spectrum, influenza A
antibodies**

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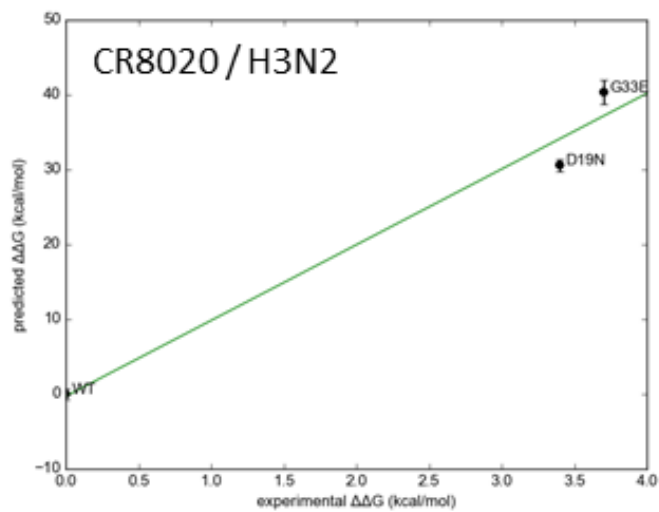
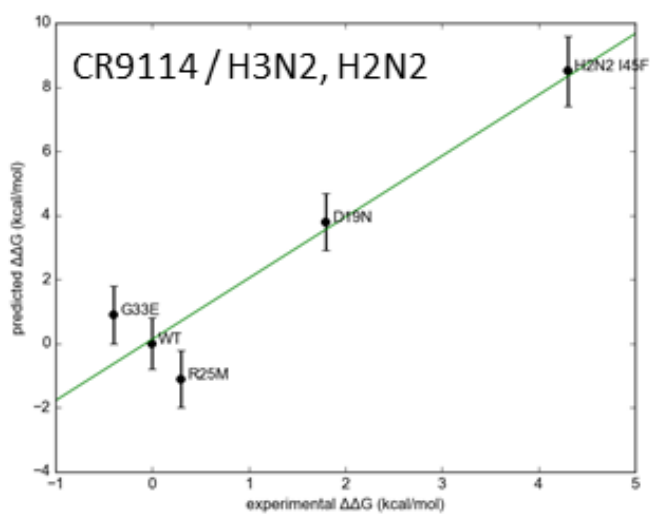
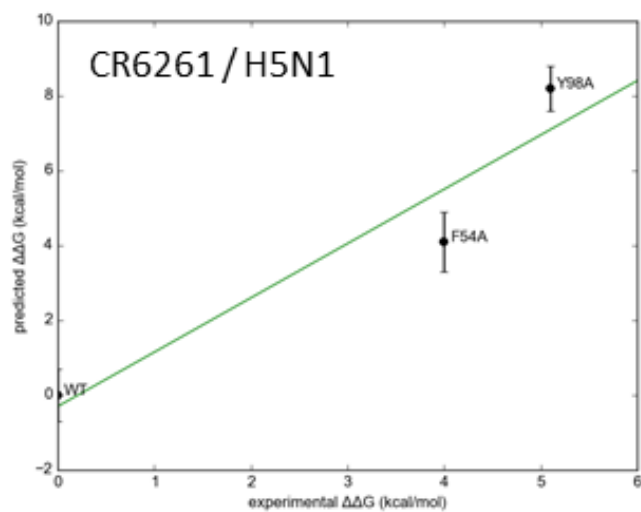


Figure S1 –Experimentally-derived $\Delta\Delta G_{\text{bind}}$ compared with un-scaled predictions