

**Supplemental Figure 5.** *Sequence alignment of STAU-307 and clonal variants.* A global alignment using Geneious was performed with the germline *IGHV1-69\*01* gene sequence, the sequence from the hybridoma encoding the original IgG, and all STAU-307 clonal variants. Each HCDR and FR region is denoted, with a consensus sequence indicated. Point mutants that differ from the consensus are shown as individual amino acids whereas conserved residues are represented as dots.