



Supplementary Figure 18. The 147X mutation disrupts the interaction of AID with ROD1 *in vitro*. **(a)** His-ROD1 pulls down GST-AID but not its 147X mutation variant. Triple M stands for combined mutations at residues 139, 147 and 151. **(b)** CSR to IgA is compromised in AID^{147X} knock-in CH12F3 cells after stimulation with CIT (CD40L, IL-4 and TGF- β). **(c)** The expression levels of Flag-tagged AID and AID^{147X} mutant in retrovirally transduced AID^{-/-} B cells. The two arrow heads mark the positions of WT and 147X mutant proteins, respectively.