



Supplemental Figure S1. CVID-Mgat2 $\Delta\text{M}/\Delta\text{M}$ mice have reduced splenic B cell counts and exhibit impaired IgG switching in response to microbial stimulation. Mgat2 $^{\text{wt/wt}}$ or CVID-Mgat2 $\Delta\text{M}/\Delta\text{M}$ mice were used to determine total CD19 $^+$ B cell counts in A) blood and B) spleen. C) Serum concentration of total IgG in non-manipulated mice quantified by ELISA. D) Total IgG induced in Mgat2 $^{\text{wt/wt}}$ or CVID-Mgat2 $\Delta\text{M}/\Delta\text{M}$ mice after i.p. injection of heat-killed cecal contents. Normalized (norm) values reflect the fold increase in total serum IgG in response to microbial stimulation. $**p < 0.01$, $***p < 0.001$