



Supplementary Figure 1. 53BP1 deficiency leads to intact GLT expression and diminished CSR (Related to Figures 1,2). CD43- resting B cells were stimulated with LPS or LPS+IL4 for 48 hours **(A)** or 5 days **(B)**. **A** $\gamma 3$, $\gamma 2b$ and $\gamma 1$ GLTs and AID expression were analyzed by quantitative (q) RT-PCR from B cells stimulated as indicated and signals were normalized to the *Hprt* gene transcript as previously described (1). **B** Live B cells were gated and assessed by FACS analysis with FITC labeled anti-IgG3 or anti-IgG1. Data from representative WT, AID^{-/-}, 53BP1^{-/-} and 53BP1^{-/-}xAID^{-/-} are shown.