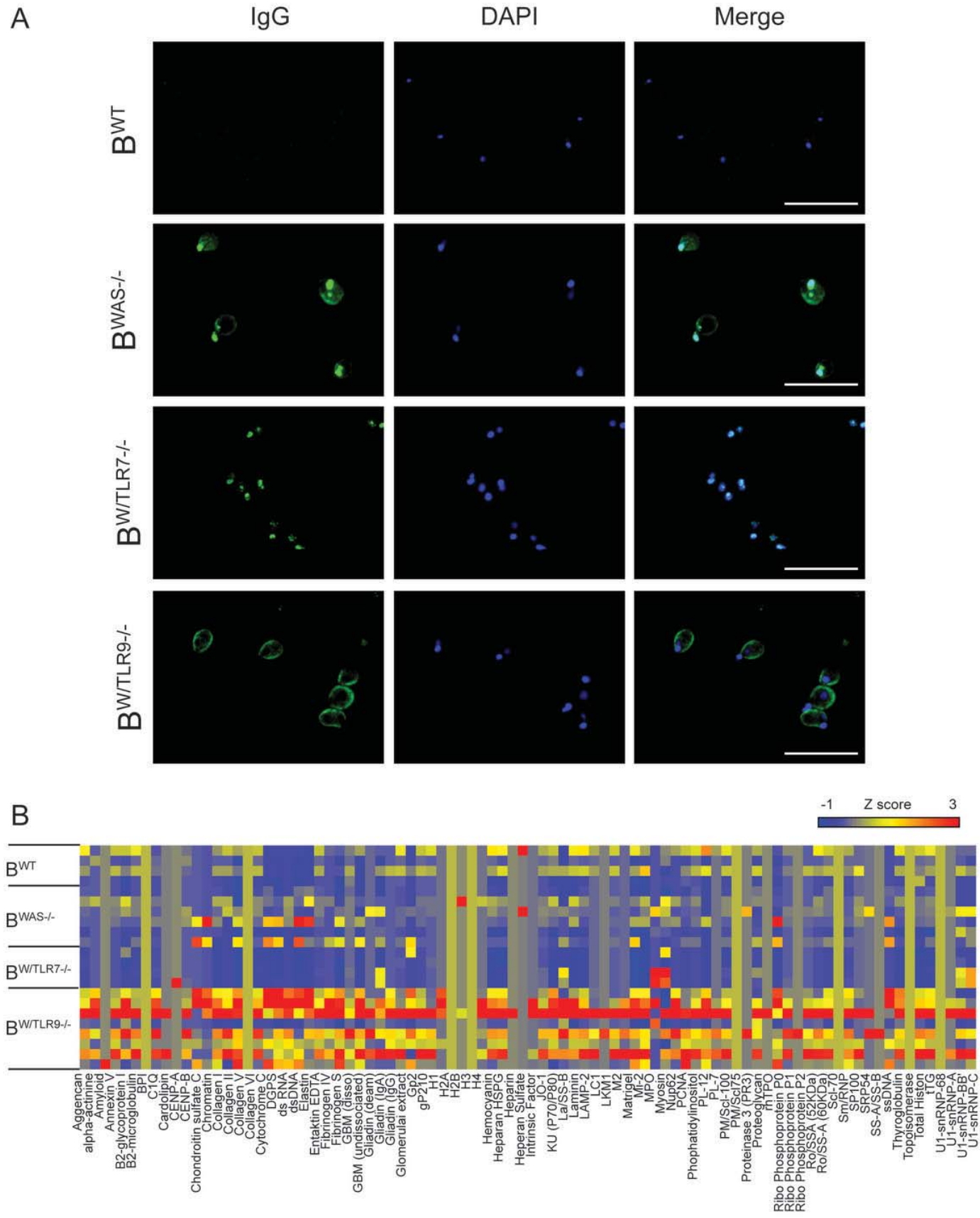
Supplemental figure 1



Supplemental Figure 1: B cell-intrinsic TLR7 and TLR9 signals alter the autoantibody repertoire

(A) Representative images of *C. luciliae* staining in B^{WT}, $B^{WAS-/-}$, $B^{W/TLR7-/-}$ and $B^{W/TLR9-/-}$ chimeras. Positive kinetoplast staining is denoted by colocalized IgG (green) and DAPI (blue). $B^{WAS-/-}$ developed specific kinetoplast staining as well as protozoan cytoplasmic staining. In contrast, only specific kinetoplast staining was observed in $B^{W/TLR7-/-}$, while kinetoplast staining was absent in $B^{W/TLR9-/-}$ despite cytoplasmic reactivity. Bars, 50µm. Total mice analyzed: B^{WT} (n=6), $B^{WAS-/-}$ (n=18) $B^{W/TLR7-/-}$ (n=11), and $B^{W/TLR9-/-}$ (n=16), pooled from 4 independent experimental cohorts. (B) Serum IgG2c Abs from B^{WT} (n=4), $B^{WAS-/-}$ (N=6), $B^{W/TLR7-/-}$ (n=4) and $B^{W/TLR9-/-}$ (n=8) chimeras determined using an autoantibody array chip containing 88 specific autoantigens. Data are represented as a heat map of Z-scores ranging from -1 (blue) to 3 (red). Representative of two independent microarray analyses.