Supplemental Figure Legends

Supplemental Figure 1 - Relative size of Hardy Fractions is unaffected by 3H9 transgene or *Tlr9* genotype. BM isolated from MRL.*Fas*^{lpr} mice of the indicated genotypes was stained for FACS analysis of Hardy fractions, expressed here as a percentage of live bone marrow cells. Populations were defined as follows: **(A)** Fractions A-C': EMA$^-$ B220$^+$ CD43$^+$ **(B)** Fraction D: EMA$^-$ B220$^+$ CD43$^-$ CD93$^+$ IgMa$^-$ **(C)** Fraction E: EMA$^-$ B220$^+$ CD43$^-$ CD93$^+$ IgMa$^+$ **(D)** Fraction F: EMA$^-$ B220$^+$ CD43$^-$ CD93$^-$ IgMa$^+$. Data are from the same animals in Figure S2C-S2D.

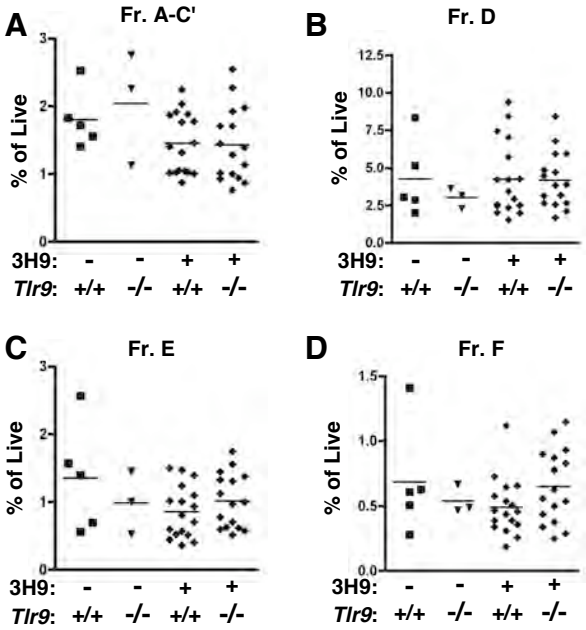
Supplemental Figure 2 - 3H9/Vλ1 B cells generate TLR9-dependent EF plasmablasts but do not enter GCs or the long-lived BM AFC compartment. (A-C) Immunofluorescent staining of spleen sections from 19 week old mice with λ1 (red), PNA (green) and CD19 (blue). Scale bar = 200 μm. **(A)** 3H9$^+$ *Tlr9*$^{+/+}$ MRL.*Fas*^{lpr} and **(B)** 3H9$^+$ *Tlr9*$^{-/-}$ MRL.*Fas*^{lpr}. **(C)** Magnified view of region indicated by white box in (A) with individual channels and merged image as indicated. Data in (A-C) are representative of 3 mice per genotype. **(D)** λ1$^+$ ELISPOTs were measured from BM of 17-20 week old MRL.*Fas*^{lpr} mice of the indicated genotypes. Data are pooled from two independent experiments, *n*=3-8 mice per group.

Supplemental Figure 3 - λx L chain usage among B cell populations. Frequency of λx$^+$ cells among **(A)** splenic CD19$^+$ CD93$^-$ CD21/35^{int} CD23$^+$ FO B cells, **(B)** splenic CD19$^+$ CD93$^-$ CD21/35$^+$ CD23$^-$ MZ B cells, **(C)** splenic CD19$^+$ CD93$^+$ transitional B cells, or **(D)** LN CD19$^+$ B cells. Data are from the same animals in Figure 5.

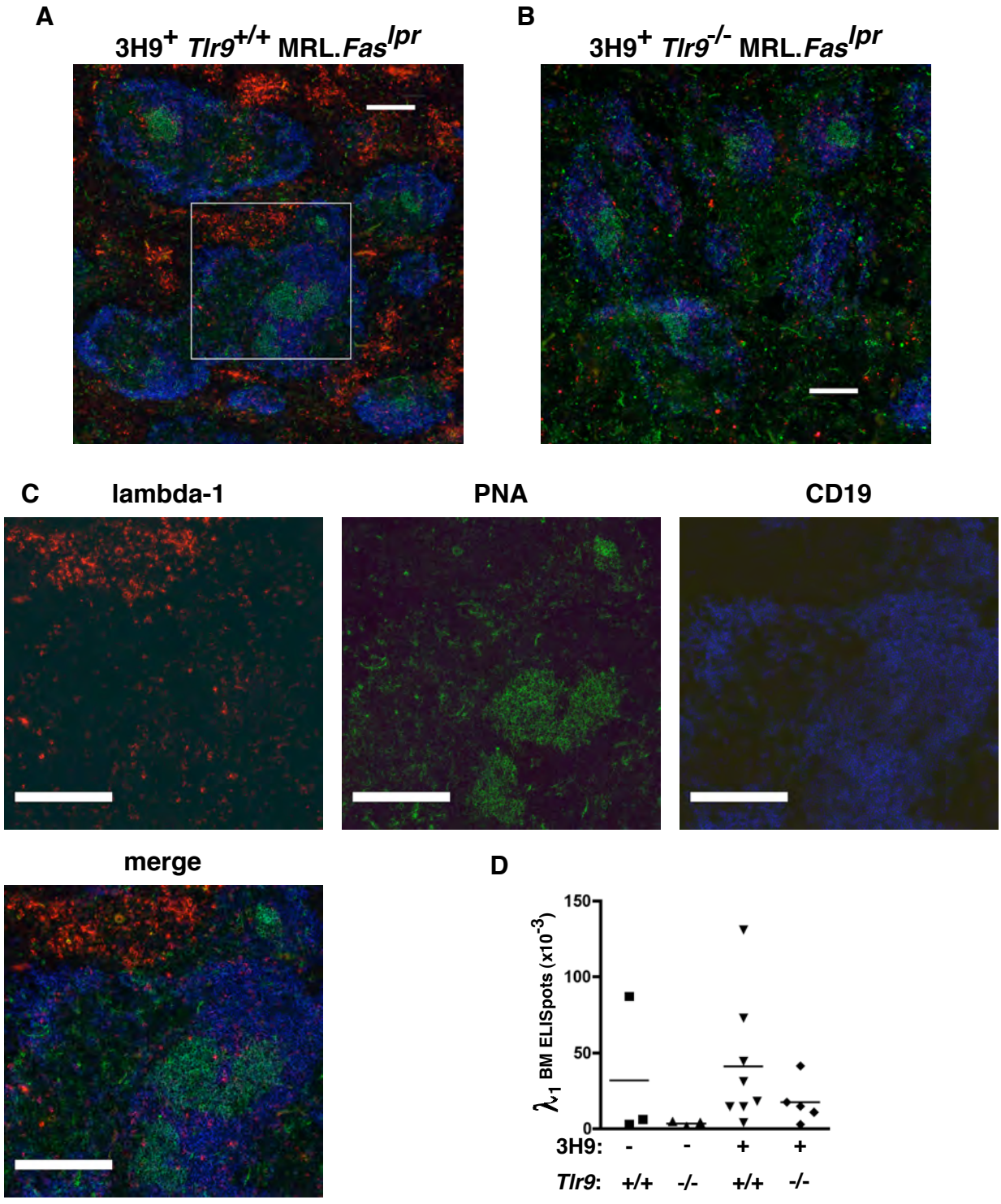
Supplemental Figure 4 - BrdU is incorporated into developing B cells, but mature FO B cells are quiescent. (A-B) 8-10 wk old mice were given 0.5 mg BrdU *i.p.* every

12 hours for 0, 2 or 4 days before sacrifice. BrdU staining among (A) $CD19^+$ $CD22^+$ $CD44^{low}$ $l1^+$ naive B cells or (B) total $CD19^+$ $CD22^+$ $CD44^{low}$ naive B cells. Data are pooled from three experiments. **(C)** BrdU staining among $B220^+$ bone marrow cells from 6-9 week old mice of the indicated genotypes following a 2 hr pulse of BrdU (0.5 mg/animal *i.p.*) The majority of this incorporation was in the IgM^- compartment (not shown). (**D**) BrdU incorporation among $CD22^+$ $CD21/35^{int}$ $CD23^+$ $\lambda1^+$ FO B cells from 6-9 week old MRL.Fas^{lpr} of the indicated genotypes following a 2hr BrdU pulse (0.5 mg/animal *i.p.*) was not significantly above background staining. Data are pooled from three experiments. **(E-F)** Representative λ1 and BrdU staining of FO B cells in (D) from mice of indicated genotypes. The broader distribution of the measurement of "$\%BrdU^+$" populations in (D) column 3 vs. column 4 is a result of differences in the relative proportion of $\lambda1^+$ cells in the FO in these two groups, not due to differences in BrdU incorporation, which was negligible.

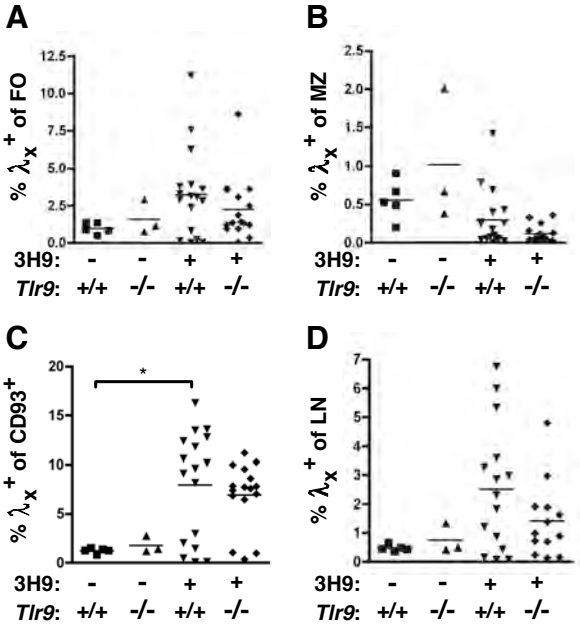
Supplemental Figure 1



Supplemental Figure 2



Supplemental Figure 3



Supplemental Figure 4