

Figure S1. Comparison of Genetic Background Between B6/129.MAVSKO Mice and Control B6/129 Mice. A panel of 5307 SNPs throughout the genome was assessed by Dartmouse™ using the Illumina Infinium Genotyping Assay. Results were compiled to determine the amount of B6 and 129 genome expressed in the indicated strains of mice (column 1, pure B6 mouse control; columns 2 and 3, individual B6/129.MAVSKO mice; columns 4 and 5, individual B6/129 mice; column 7, pure 129 mouse control). B6 genome is shown in green. 129 genome is shown in yellow. Genome that is heterozygous for B6 and 129 loci is shown in purple.

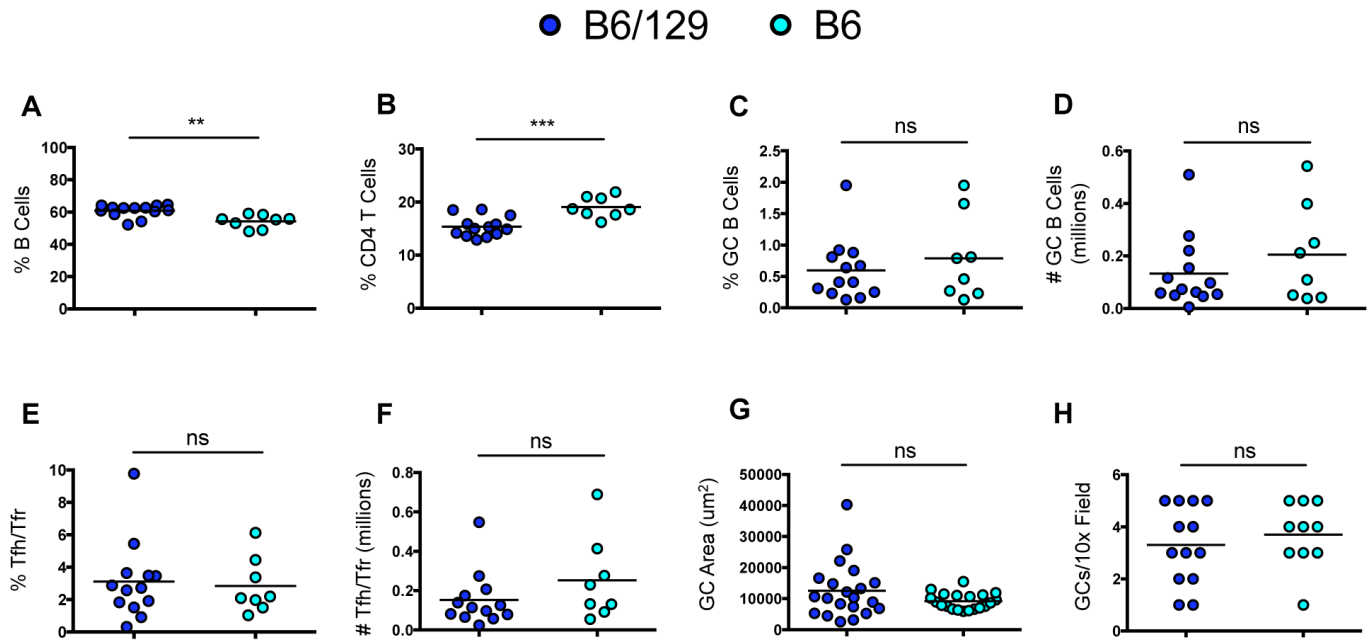


Figure S2. Comparison of Spt-GC Responses Between B6 and B6/129 Mice. Data are representative of 8 or more mice per group. **(A)** Quantitation of the percentage of B cells within the spleen. **(B)** Quantitation of the percentage of CD4 T cells within the spleen. **(C-D)** Quantitation of the **(C)** percentage and **(D)** number of GC B cells (GL-7^{hi}CD95^{hi}) in the total B cell population (pregated on B220⁺). **(E-F)** Quantitation of the **(E)** percentage and **(F)** number of Tfh/Tfr (CXCR5^{hi}PD-1^{hi}) within the CD4 T cell population (pregated on CD4⁺). **(G-H)** Quantitation of GC histology by measuring **(G)** the GC area and **(H)** the number of GCs/10x field.

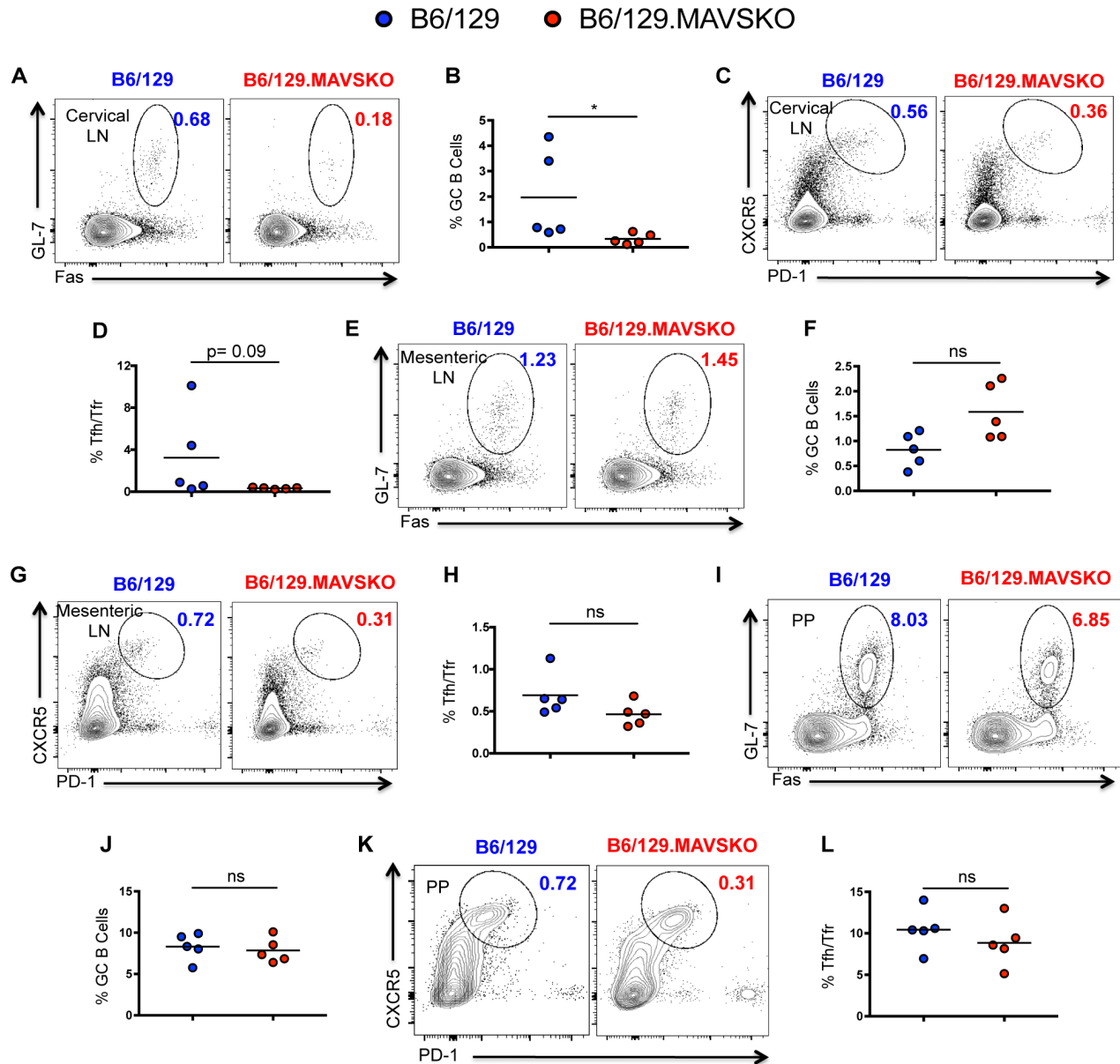


Figure S3. *Spt*-GC Responses are Compromised in the Cervical Lymph Nodes, But Not in the Gut, of *B6/129.MAVSKO* Mice. **(A)** Representative flow plots and **(B)** quantitation of the percentage of GC B cells ($GL-7^{hi}CD95^{hi}$) in the total B cell population (pre-gated on $B220^{+}$) within the cervical lymph nodes. **(C)** Representative flow plots and **(D)** quantitation of the percentage of Tfh/Tfr ($CXCR5^{hi}PD-1^{hi}$) in the $CD4$ T cell population (pre-gated on $CD4^{+}$) within the cervical lymph nodes. **(E)** Representative flow plots and **(F)** quantitation of the percentage of GC B cells ($GL-7^{hi}CD95^{hi}$) in the total B cell population (pre-gated on $B220^{+}$) within the mesenteric lymph nodes. **(G)** Representative flow plots and **(H)** quantitation of the percentage of Tfh/Tfr ($CXCR5^{hi}PD-1^{hi}$) in the $CD4$ T cell population (pre-gated on $CD4^{+}$) within the mesenteric lymph nodes. **(I)** Representative flow plots and **(J)** quantitation of the percentage of GC B cells ($GL-7^{hi}CD95^{hi}$) in the total B cell population (pre-gated on $B220^{+}$) within the Peyer's patches. **(K)** Representative flow plots and **(L)** quantitation of the percentage of Tfh/Tfr ($CXCR5^{hi}PD-1^{hi}$) in the $CD4$ T cell population (pre-gated on $CD4^{+}$) within the Peyer's patches. Data are representative of one experiment with 5 mice per group.