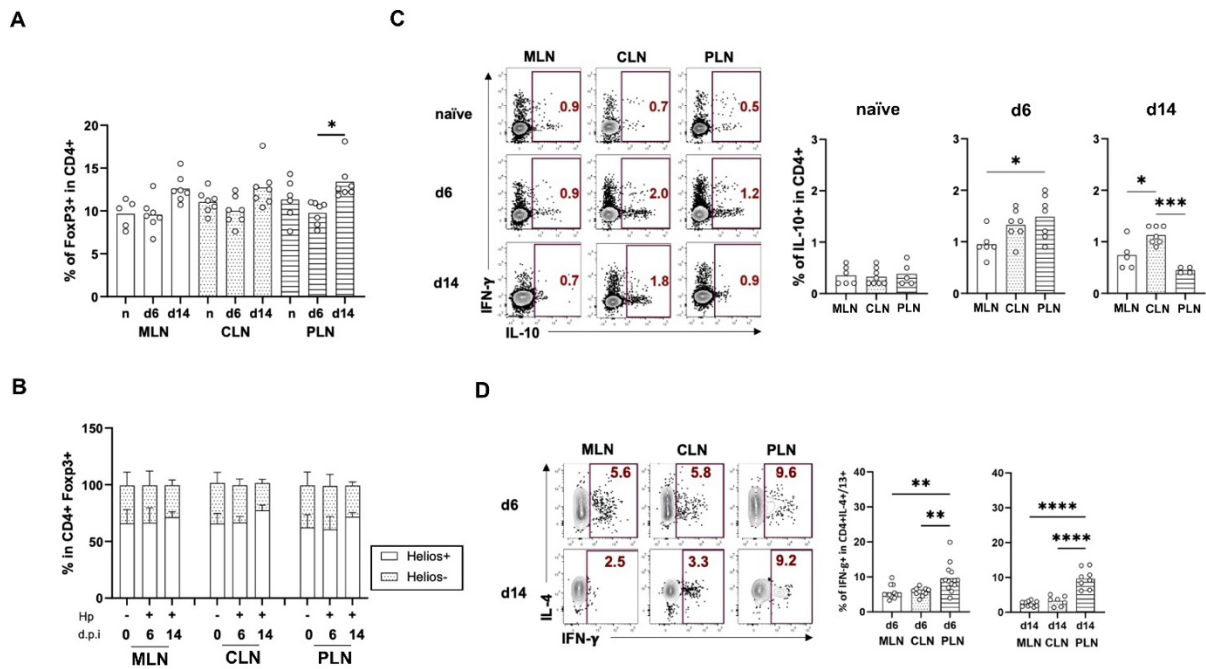# Supplementary Material

Suppl. 1. Proportions of CD4+FoxP3+ Tregs and Helios in MLN, PLN, and CLN are similar, however, IL-10 production and *IFN-γ populations* differ at day 6 and 14 post-infection. (**A**) Bar graphs showing the mean proportions of FoxP3+ in CD4+ T cells in MLN, PLN, and CLN at days 6 and 14 post-infection. (**B**) Staked bar graphs showing mean proportions and frequencies of Helios+/- cells in FoxP3+ CD4+ T cells in MLN, PLN, and CLN at 6 and 14 post-infections. (**C**) FACS plots showing frequencies and proportions of IL-10 in CD4+ IL-4+/IL-13+ cells in MLN, PLN, and CLN comparing naïve mice to day 6 and 14 post-infection. Bar plots showing the mean % of IL-10+ cells in CD4+IL-4/13+ T cell population comparing steady state and day 6 and 14 post-infection. (**D**) FACS plots showing frequencies and proportions of IFN-**γ** in CD4+IL-4+/IL-13+ cells in MLN, PLN, and CLN at days 6 and 14 post-infection. Bar plots showing the mean % of IFN-**γ** + cells in the CD4+ IL-4+/IL-13+ T cell population comparing days 6 and 14 post-infection. Data from at least two independent experiments with 3-4 mice per group is shown. $* \, p < 0.05$, $** \, p < 0.01$, $*** \, p < 0.001$, $**** \, p < 0.0001$ determined by Kruskal-Wallis test combined with Dunn's multiple comparison test or Mann-Whitney test.
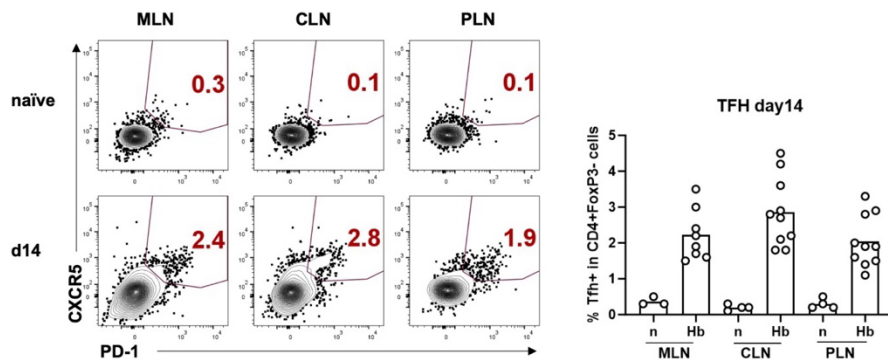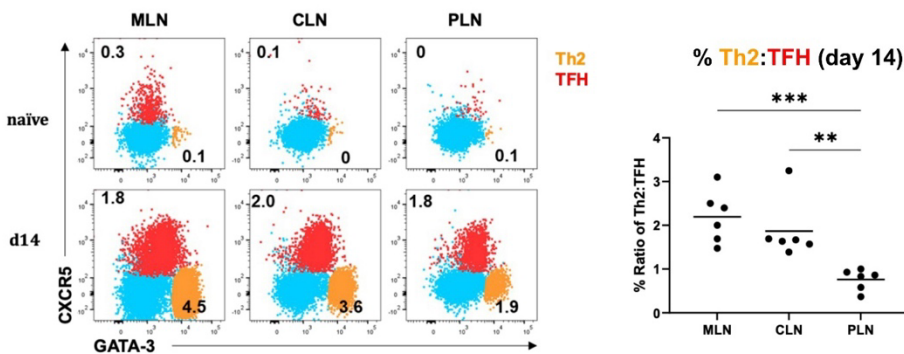
Suppl. 2. TFH cell profiles of MLN, CLN, and PLN (**A**) Proportions of CXCR5+PD-1+ TFH cells in the different lymphoid compartments at day 14 post primary infection. Bar graphs show the mean % of CXCR5+PD-1+ TFH cells in CD4+FoxP3- cells at day 14 post-infection in MLN, CLN, PLN, and spleen (**B**) Representative FACS plots show cell populations of Th2 cells (yellow population) and TFH cells (red population) at steady state and at day 14 post-*H. bakeri* infection. Corresponding dot plots showing the ratio of Th2 to TFH cells in the three lymph nodes (MLN, CLN, and PLN) translating into the bias of these lymph nodes to either Th2 or TFH response. Cells were stained and analyzed by flow cytometry, representative FACS plots, and the data derived from at least two independent experiments performed with 3-4 mice per group shown. ** $p < 0.01$, *** $p < 0.001$ determined by the Kruskal-Wallis test combined with Dunn's multiple comparison test or Mann-Whitney test.
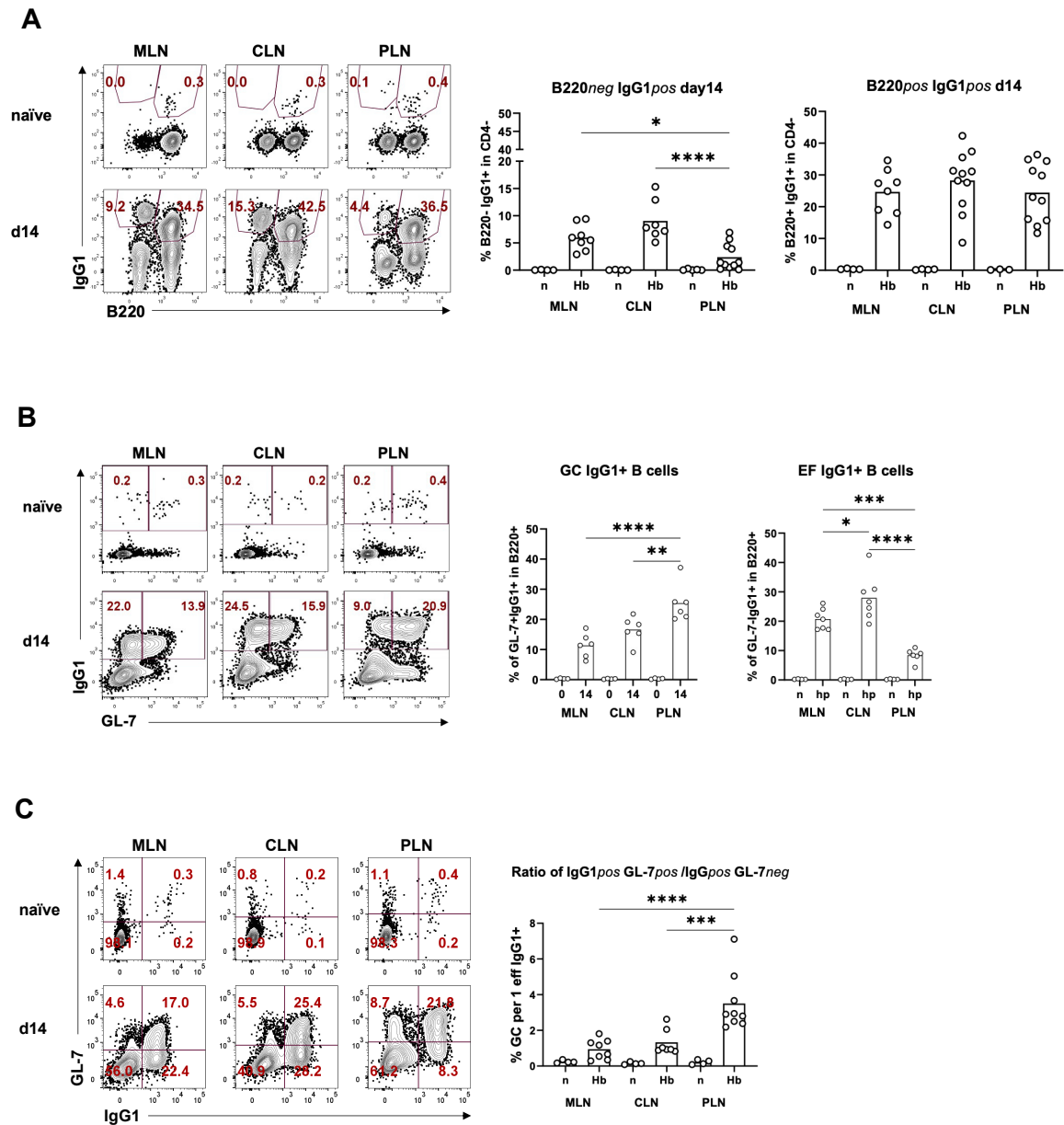
Suppl. 3. MLN, CLN, and PLN display similar proportions of IgG1+B220+ B cells, however, PLN has a poor plasma B cell response compared to the other lymph nodes (**A**) Proportions of IgG1+ (plasma B cells) and IgG1+B220+ (possibly becoming memory B cells) in MLN, CLN, and PLN at day 14 post-primary infection. Bar graphs showing the mean % of B220-IgG1+ (plasma cells) and B220+IgG1+ in CD4- cells at day 14 post primary infection. (**B**) Representative FACS plots showing the proportions of GL-7+IgG1+ germinal center (GC) B cells and GL-7-IgG1+ extrafollicular (EF) B cells in the different lymph nodes. Bar plots showing the mean % or proportions of GL-7+IgG1+ GC B cells GL-7-IgG1+ EF B cells and (**C**) Representative FACS plots and a corresponding bar graph showing the ratio of IgG1+GL-7+ GC B cell per one GL-7-IgG1+ extrafollicular B cell in the MLN, CLN, and PLN. Data shown from at least two independent experiments performed with 3-4 mice per group is shown. ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$ determined by the Kruskal-Wallis test combined with Dunn's multiple comparison test or the Mann-Whitney test.

Suppl. 1 Table of antibodies for multi-colour flow cytometry

Marker	Colour	Company	Clone
CCR9	PE-Cy7	Life Technologies /Thermo Fischer scientific	CW-1.2
α4β7	Biotin	Life Technologies /Thermo Fischer scientific	DATK32
Streptavidin	Qdot	BioLegend	
CD45	A700	BioLegend	30-F11
CD103	A647	Life Technologies /Thermo Fischer scientific	2E7
MHCII	APC	Life Technologies /Thermo Fischer scientific	M5/114.15.2
Aldefluor	FITC	Stemcell Technologies	
GATA-3	APC	Life Technologies /Thermo Fischer scientific	TWAJ
T-bet	PE	Life Technologies /Thermo Fischer scientific	4B10
CXCR3	A405	BioLegend	CXCR3-173
Helios	FITC	Life Technologies /Thermo Fischer scientific	22F6
FoxP3	Texas-Red	Life Technologies /Thermo Fischer scientific	FJK-16s
B220	A700	BioLegend	RA3-6B2
PD-1	APC-Cy7	Life Technologies /Thermo Fischer scientific	J43
Stretavidin	PE-Cy7	Life Technologies /Thermo Fischer scientific	
IgG1	BV421	BioLegend	RMG1-1
CXCR5	Biotin	BD Bioscience	
Bcl-6	PE	Life Technologies /Thermo Fischer scientific	BCL-DWN
IL-10	APC	BD Bioscience	JES5-16E3
IL-4	PE-Cy7	Life Technologies /Thermo Fischer scientific	11B11
IL-13	PE-Cy5	Life Technologies /Thermo Fischer scientific	eBio13A
CD4	A700/A430/Qdot 605	BD Bioscience/ Life Technologies /Thermo Fischer scientific /BD Bioscience	RM4-5
CD11b	APC-Cy7	BD Bioscience	M1/70

CD11c	A450	Life Technologies /Thermo Fischer scientific	N418
CD90	PE-Cy5	BioLegend	30-H12
Siglec-F	BV421	BD Bioscience	E50-2440
F4/80	A450	Life Technologies /Thermo Fischer scientific	BM8
IFN-g	A405	Life Technologies /Thermo Fischer scientific	XMG1.2
CD138	APC	BD Bioscience	281-2
CD8a	Qdot 605	BD Bioscience	53-6.7
Ki67	A700	BioLegend	SolA15