Supplemental Data
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Persistent Virus Infection Inhibits Type I Interferon Production by Plasmacytoid Dendritic Cells to Facilitate Opportunistic Infections

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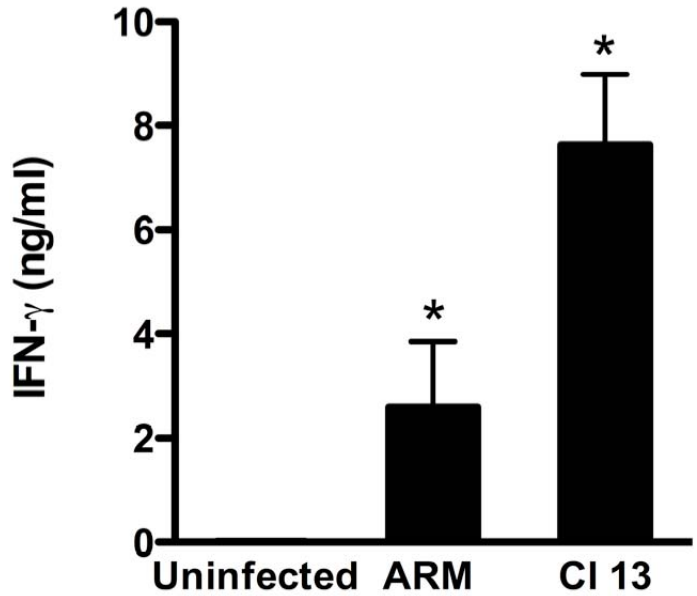
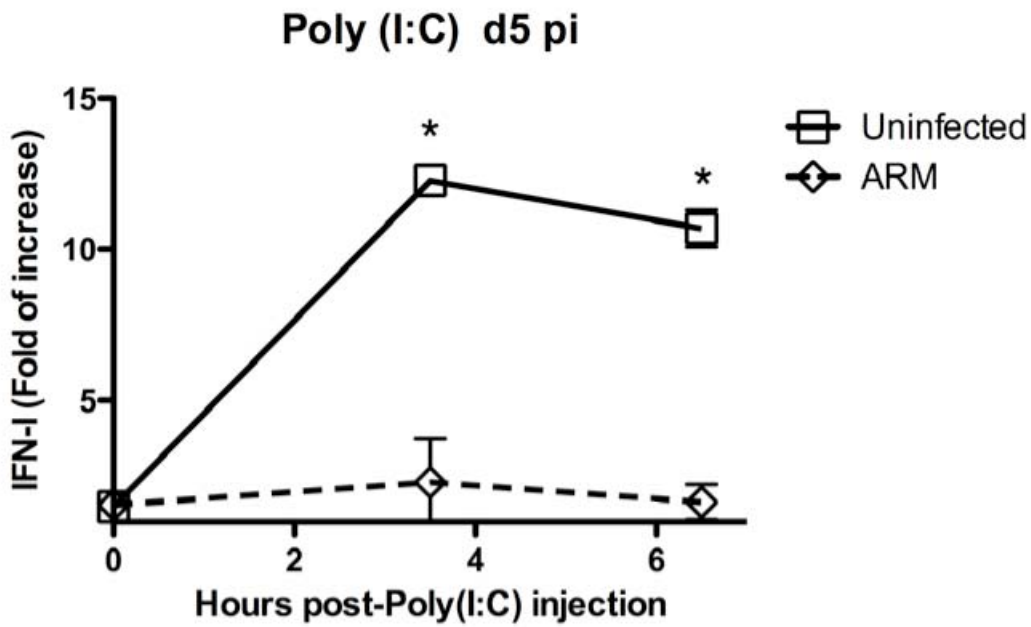
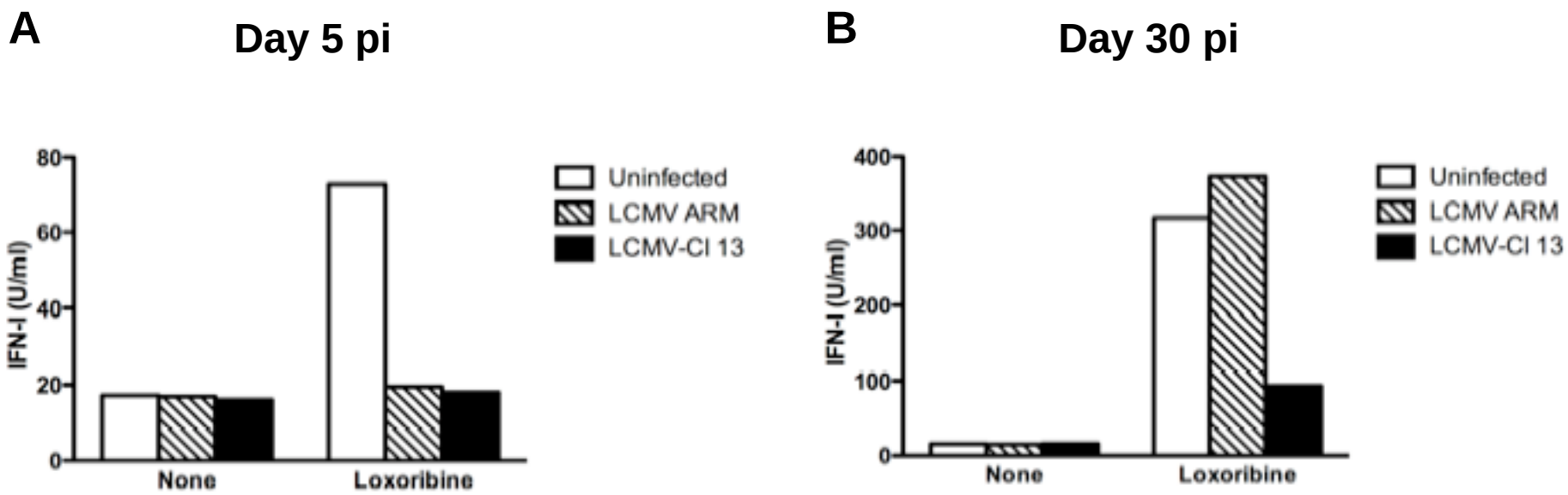
Please find the supplemental figures on the following pages.



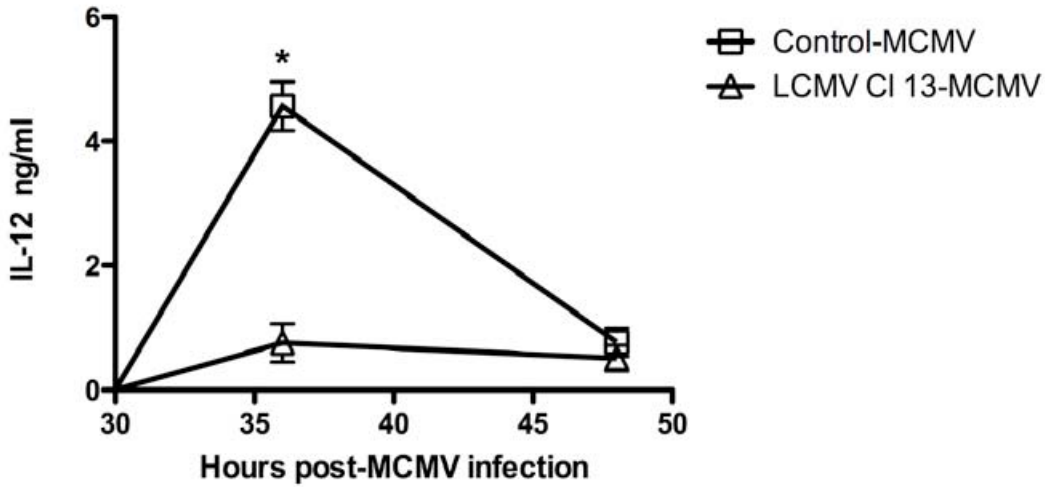
Supplementary Figure 1. IFN-γ production upon CPG stimulation. Uninfected, ARM and Cl 13 infected mice at day 5 pi were injected with 5 μg of CPG. Blood samples were collected at 3.5 hs post-stimulation and IFN-γ levels were determined by ELISA. Data represent results from 3-4 mice and show mean ± s. d. (*LCMV-infected compared to uninfected (day 0) group $p<0.01$). Results were confirmed by an additional experiment.



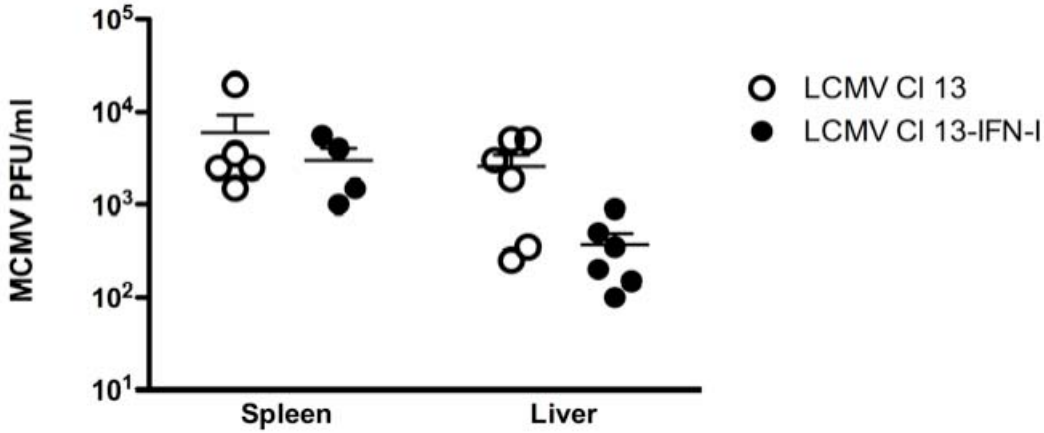
Supplementary Figure 2. TLR-3-induced IFN-I response during LCMV infection. Uninfected and ARM and infected mice at day 5 pi were injected with 5 μg of Poly (I:C). Blood samples were collected at 3.5 and 6.5 hs post-stimulation and IFN-I levels were determined by Luciferase bioassay. Fold of increase respect to levels at 0 h is shown. Data represent results from 3-4 mice and shows mean ± s. d. (*LCMV-infected compared to uninfected (day 0) group $p<0.01$). Results are representative of two independent experiments.



Supplementary Figure 3. pDC-TLR-7-induced IFN-I response during LCMV infection. FACS-purified pDCs were obtained from uninfected, ARM and Cl 13 infected mice (day 5 and 30 pi). Cells were cultured with medium alone (none) or Loxoribine (TLR-7 ligand) and levels of IFN-I were measured in the supernatants at 12-15 h post-culture by Luciferase bioassay. Data are representative of two independent experiment for each time point.



Supplementary Figure 4. IL-12 production after MCMV primary and secondary infection. Uninfected and LCMV Cl 13 infected mice (day 21 pi) were injected with MCMV and blood samples collected at the indicated times after MCMV infection. IL-12 levels were measured by ELISA. The mean ± s. d. obtained from 6 mice per group is shown. (* Control-MCMV compared to LCMV-MCMV infected mice $p<0.01$).



Supplementary Figure 5. MCMV replication after a single dose of recombinant IFN-β. LCMV Cl 13 infected mice (day 21 pi) were injected with 1 x 10^4 units of recombinant IFN-β 1 h before MCMV infection. Spleens and livers were collected 4 days after MCMV infection and MCMV titers determined by plaque assay. The mean ± s. d. obtained from 6 mice per group is shown. Each symbol represents and individual mouse.