

554 **SUPPLEMENTAL FIGURE LEGENDS**

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556 **Supplemental Figure 1. VDRKO mice have increased numbers of T-cells in the**
557 **draining lymph nodes.** C57BL/6 WT (closed bars) and VDRKO (open bars) mice were
558 infected with 10^5 *L. major* parasites and their submandibular lymph nodes were harvested
559 at the indicated time points. Lymph nodes were homogenized, pooled (n=4), and
560 analyzed by flow cytometry. Numbers of (A) T-helper cells (TCR+/CD4+), (B)
561 Cytotoxic T-cells (TCR+/CD8+), and (C) T-regulatory cells (CD4+/CD25+/FoxP3+)
562 were calculated. One representative of two independent experiments is presented.

563 **Supplemental Figure 2. Restimulation of lymph nodes.** C57BL/6 VDRKO and WT
564 mice were infected in the ears with 10^5 *L. major* parasites. Lymph nodes were harvested
565 and homogenized at the indicated time points. Cell homogenates were plated in 96 well
566 plates and restimulated with soluble *Leishmania* antigen. The supernatants were
567 analyzed by multi-analyte immunoassay for cytokines representative of Th-1 and Th-2
568 responses. One representative of two independent experiments is presented. * $p \leq 0.05$. n
569 = 4 mice/time point.

570 **Supplemental Figure 3. Nitric oxide and IL-12p40 by macrophages from WT and**
571 **VDRKO mice.** Macrophages were treated with IFN γ and/or 1,25D3 for 24 hr prior to
572 being infected at a ratio of 5:1 with *L. major*. The cells were infected for 4 hr, washed to
573 remove extracellular parasites. Supernatants were harvested 48 hr post-infection and
574 analyzed for production of NO (A) and IL-12p40 (B). Mean \pm standard error is
575 presented; (n=4). * $p \leq 0.05$.

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