

1 **SUPPLEMENTARY MATERIAL**

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3 **Prolactin as immune cell regulator in *Toxocara canis* somatic larvae chronic infection.**

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5 Víctor Hugo Del Río-Araiza^a, Karen Elizabeth Nava-Castro^b, Fernando Alba-Hurtado^c, Andrés
6 Quintanar-Stephano^d, Hugo Aguilar-Díaz^e, Marco Antonio Muñoz-Guzmán^c, Pedro Ostoa-
7 Saloma^a, María Dolores Ponce-Regalado^f and Jorge Morales-Montor^{a*}

8 ^aDepartamento de Inmunología, Instituto de Investigaciones Biomédicas, Universidad Nacional
9 Autónoma de México, AP 70228, México D.F. 04510, México.

10 ^b Departamento de Genotoxicología, Centro de Ciencias de la Atmósfera, Universidad Nacional
11 Autónoma de México.

12 ^c Departamento de Ciencias Biológicas, Facultad de Estudios Superiores Cuautitlán,
13 Universidad Nacional Autónoma de México, México.

14 ^d Centro de Ciencias Básicas, Universidad Autónoma de Aguascalientes. Aguascalientes,
15 México.

16 ^e Centro Nacional de Investigación Disciplinaria en Parasitología Veterinaria, Instituto Nacional
17 de Investigaciones Forestales Agrícolas y Pecuarias, INIFAP. Jiutepec, Morelos, México.

18 ^f Universidad de Guadalajara. Centro Universitario de los Altos - Departamento de clínicas.
19 Carretera a Yahualica, Km. 7.5. Tepatitlán de Morelos, Jalisco, México.

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21 Jorge Morales-Montor *Corresponding author: Tel: +5255 56232673; E-mail address:

22 jmontor66@biomedicas.unam.mx, jmontor66@hotmail.com

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25 **Supplementary Figure 1. Cell population analysis.** Immune cell populations were defined
26 according to the following analysis: Cells were first gated by size and complexity, then we
27 selected them as T cells (CD3+); B cells (CD45RA+); NK (CD161+) or T $\gamma\delta$ cells (TCR $\gamma\delta$ +). T
28 cells were then gated as T helper (CD4+) or T cytotoxic (CD8+). In all cases, the percentage
29 of PRLR+ cells was defined in histograms according to the unspecific staining in each mice of
30 the secondary antibody used to detect the anti-PRLR.

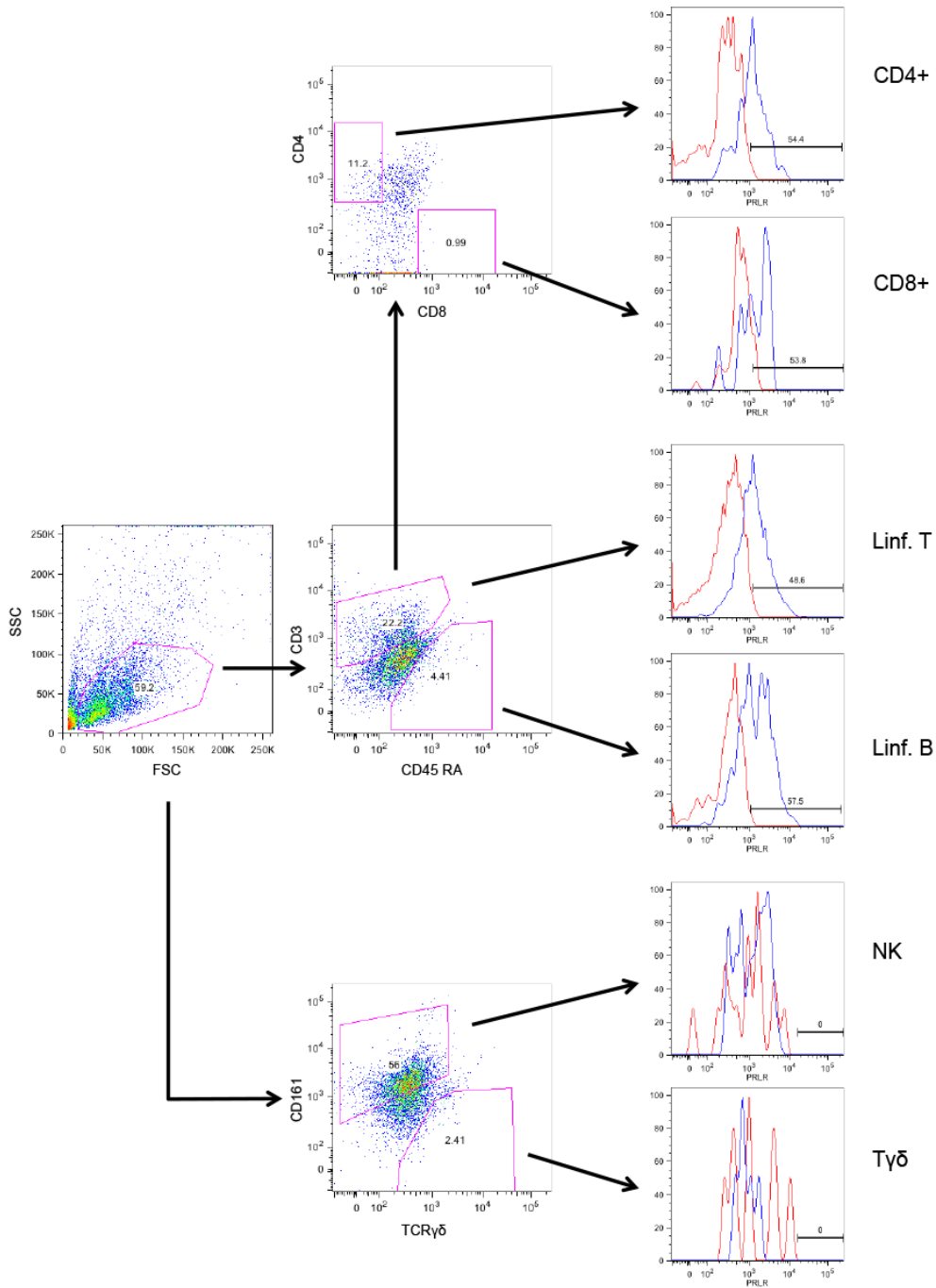
31 **Supplementary Figure 2. Immune cell 1 subpopulations comparison among**
32 **experimental groups in the spleen.** Representative dot plots showing the analysis of the
33 percentage of T helper (CD4+) vs. T cytotoxic (CD8+) cells (upper row); T cells (CD3+) vs. B
34 cells (CD45RA+) (middle row); and NK (CD161+) vs T $\gamma\delta$ cells (TCR $\gamma\delta$ +) (lower row) in the
35 spleen of the experimental groups (from left to right): Intact Non-infected (Intact Control);
36 Intact Infected (Intact Infx); Sham-HPRL Non-infected (Sh-HPRL Ctrl); Sham-HPRL Infected
37 (Sh-HPRL Infx); HPRL Non-infected (HPRL Ctrl); and HPRL Infected (Sh-HPRL Infx).

38 **Supplementary Figure 3. Immune cell subpopulations comparison among experimental**
39 **groups in peripheral lymph nodes (PLN).** Representative dot plots showing the analysis
40 of the percentage of T helper (CD4+) vs. T cytotoxic (CD8+) cells (upper row); T cells (CD3+)
41 vs. B cells (CD45RA+) (middle row); and NK (CD161+) vs. T $\gamma\delta$ cells (TCR $\gamma\delta$ +) (lower row) in
42 PLN's of the experimental groups (from left to right): Intact Non-infected (Intact Control); Intact
43 Infected (Intact Infx); Sham-HPRL Non-infected (Sh-HPRL Ctrl); Sham-HPRL Infected (Sh-
44 HPRL Infx); HPRL Non-infected (HPRL Ctrl); and HPRL Infected (Sh-HPRL Infx).

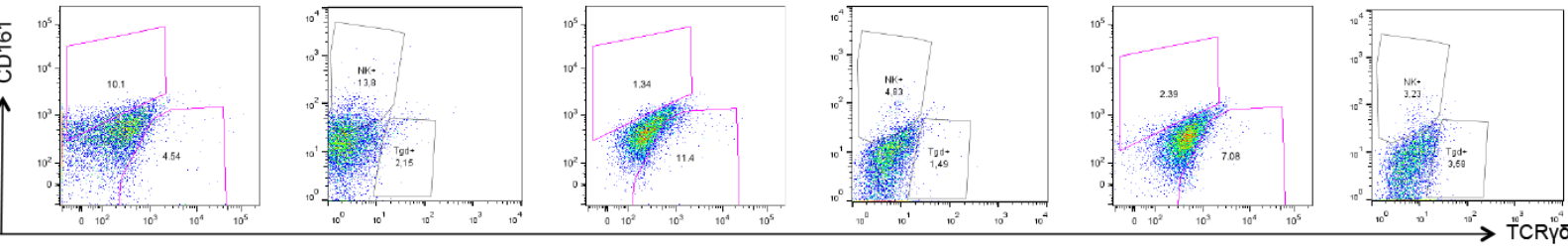
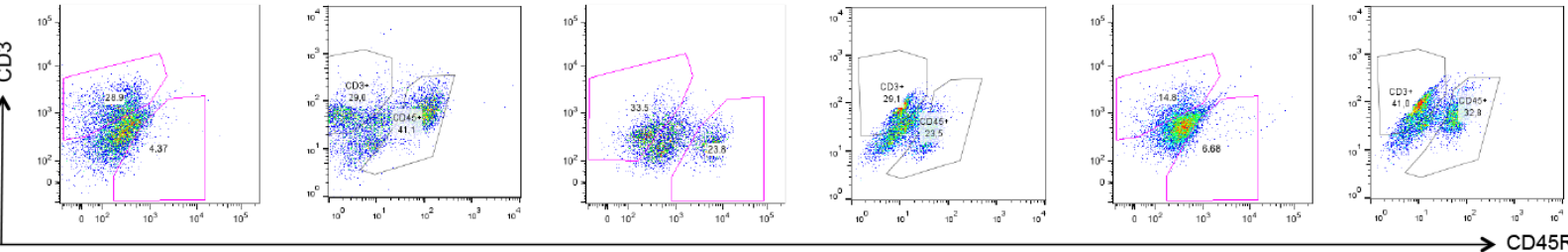
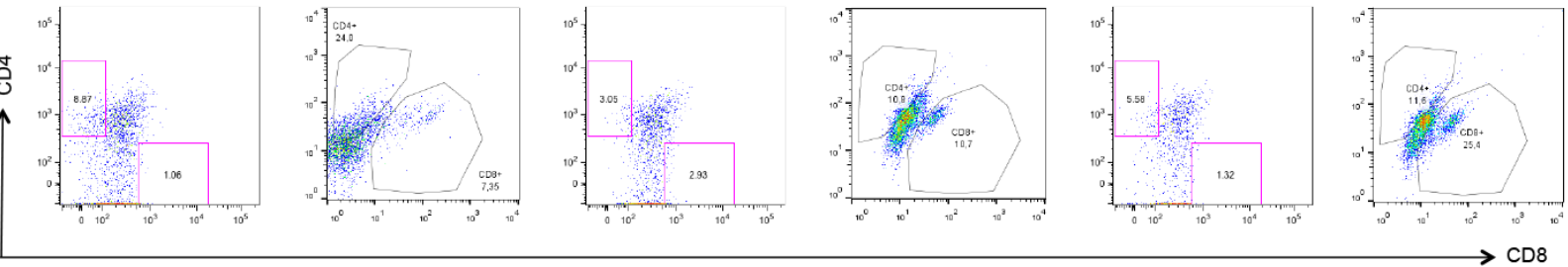
45 **Supplementary Figure 4. Immune cell subpopulations comparison among experimental**
46 **groups in mesenteric lymph nodes (MLN).** Representative dot plots showing the analysis
47 of the percentage of T helper (CD4+) vs. T cytotoxic (CD8+) cells (upper row); T cells (CD3+)
48 vs. B cells (CD45RA+) (middle row); and NK (CD161+) vs. T $\gamma\delta$ cells (TCR $\gamma\delta$ +) (lower row) in

49 MLN's of the experimental groups (from left to right): Intact Non-infected (Intact Control);
50 Intact Infected (Intact Infx); Sham-HPRL Non-infected (Sh-HPRL Ctrl); Sham-HPRL Infected
51 (Sh-HPRL Infx); HPRL Non-infected 1 (HPRL Ctrl); and HPRL Infected (Sh-HPRL Infx).

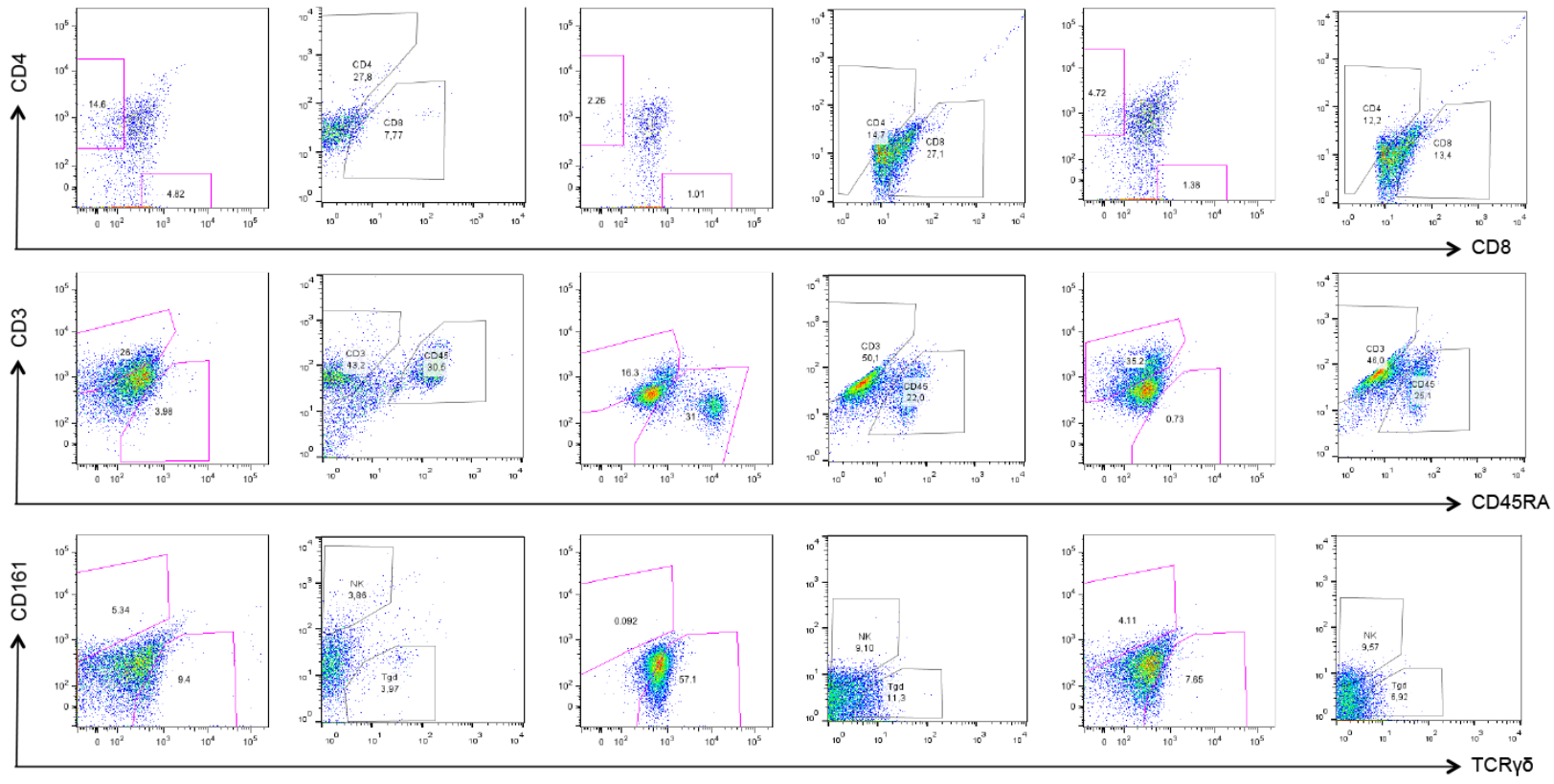
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Intact Ctrl	Intact Infx	Sh-HPRL Ctrl	Sh-HPRL Infx	HPRL Ctrl	HPRL Infx
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