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Supporting Information for

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**Chronic schistosomiasis during pregnancy epigenetically reprograms T-cell
differentiation in offspring of infected mothers**

Gating Strategy and Representative FACS plots

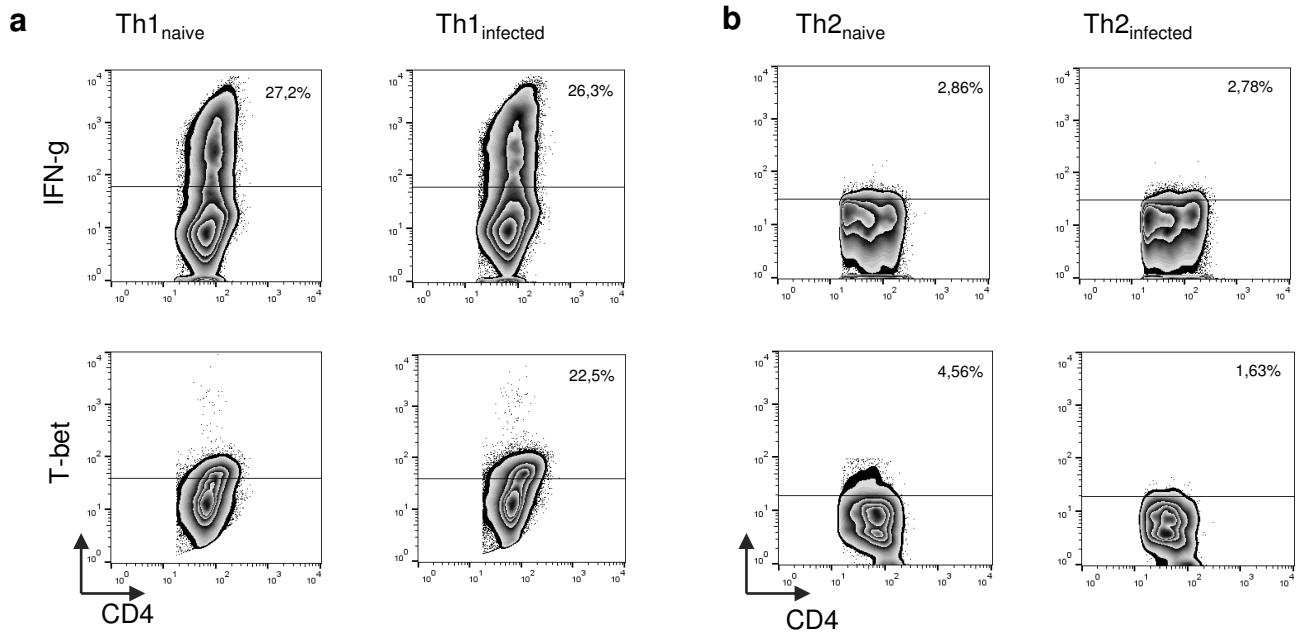


Figure S1: Gating strategy and representative FACS Plots for CD4+ TH1 and TH2 differentiated cells.

Representative contour plots of TH1 and TH2 differentiated CD4⁺CD62L⁺ T cells from offspring of infected and naïve mothers gated on the expression of IFN- γ and t-bet (Fig. S1a) or GATA-3 and IL-4 (Fig. S1b) after stimulation with 750ng/ml Ionomycin, 50ng/ml PMA and 10 μ g/ml BFA for 4,5h before staining.

Primer	Sequence fw	Sequence rev
IFN-γ	5'- CAT ACC CTT TCC TTG CTT TTC -3'	5'- TTG TGG GAT TCT CTG AAA GCA -3'
RPL32	5'- TCA TTT CTC AGG CAC ATC TT-3'	5'- ACT CAC CGTAAA ACA GAT GG-3'
IL -4	5'- TCT GCC TCC ATC ATC CTT CT-3'	5'- ACA CCA TAA TCG GCC TTT CA-3'
IL- 5	5'- ACC CTG AGT TTC AGG ACT CG-3'	5'-TCC CCA AGC AAT TTA TTC TCT C -3'
t-bet	5'- CAA CCA GCA CCA GAC AGA GA -3'	5'- ACA AAC ATC CTG TAA TGG CTT -3'
GATA-3	5'- TTA TCA AGC CCA AGC GAA G -3'	5'- TGG TGG TGG TCT GAC AGT TC -3'
HPRT	5'- TCC TCC TCA GAC CGC TTT -3'	5'- CCT GGT TCA TCA TCG CTA ATC -3'

Table S1: List of primers used for the analysis of histone acetylation.

The percent enrichment of promoter regions in several genes was measured by real-time PCR. The list includes all relevant primers.