

# Supplementary Figures

## **Resistance to *Haemonchus contortus* in Corriedale sheep is associated to high parasite-specific IgA titer and a systemic Th2 immune response**

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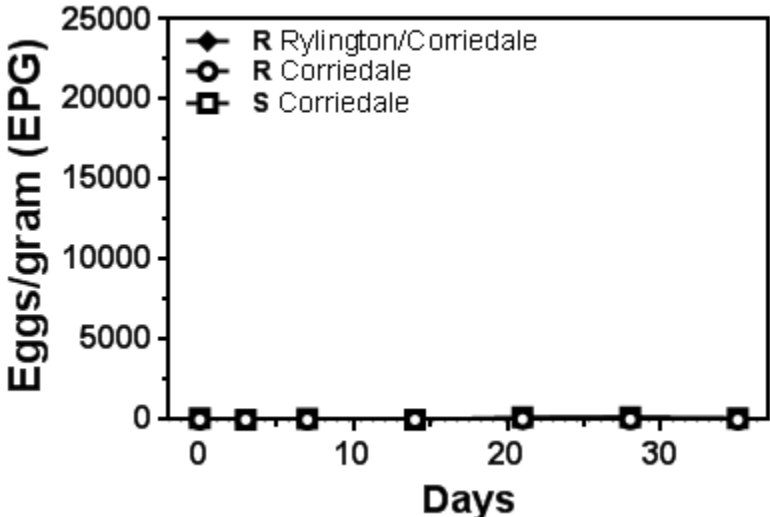
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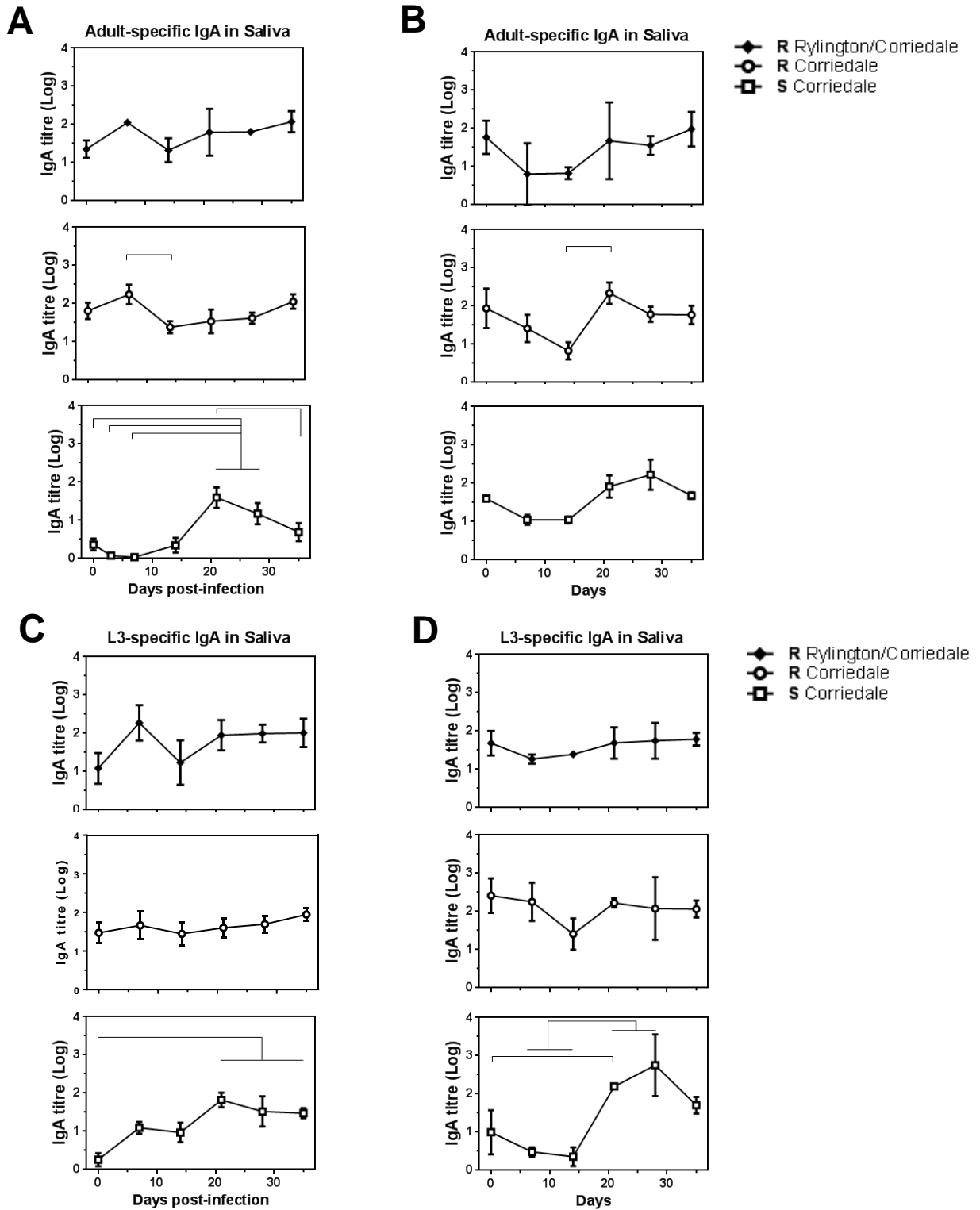
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# Supplementary Figure S1



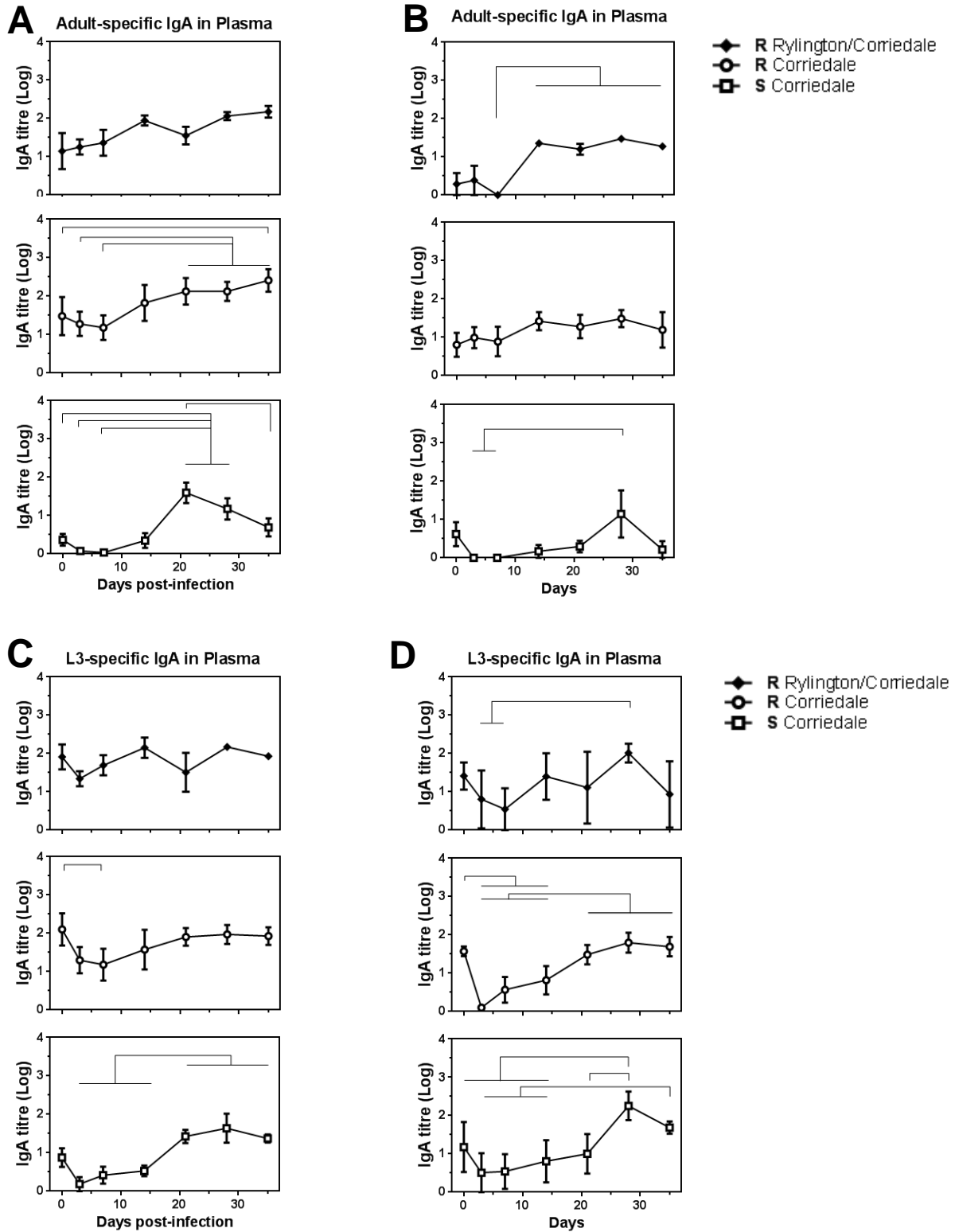
**Supplementary Figure S1. EPG from non infected sheep lines.** EPG from resistant and susceptible Corriedale and resistant Rylington x Corriedale (n=4) lambs that were not infected with *H. contortus* and remained to be used as control animals during the experiment.

# Supplementary Figure S2



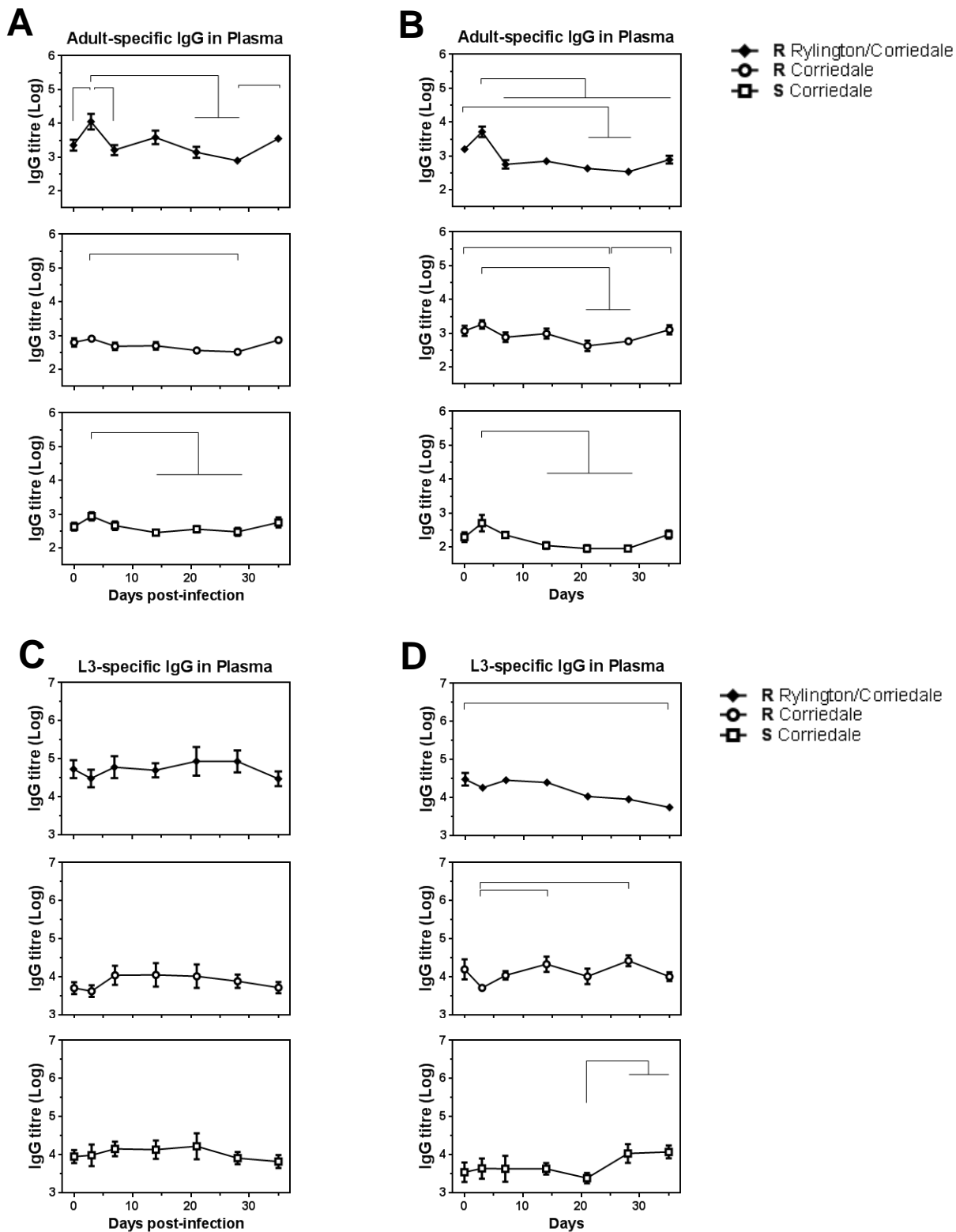
**Supplementary Figure S2. Significant differences during the infection for the parasite-specific IgA titers levels in saliva.** Saliva samples from infected (A, C) or control (B, D) susceptible and resistant Corriedale and resistant Rylington x Corriedale lambs were incubated with larvae (A, B) or adult (C, D) derived-antigen coated plates. Specific antibodies were detected with anti-sheep IgA HRP-conjugated antibody.

# Supplementary Figure S3



**Supplementary Figure S3. Significant differences during the infection for the parasite-specific IgA titers levels in plasma.** Saliva samples from infected (A, C) or control (B, D) susceptible and resistant Corriedale and resistant Rylington x Corriedale lambs were incubated with larvae (A, B) or adult (C, D) derived-antigen coated plates. Specific antibodies were detected with anti-sheep IgA HRP-conjugated antibody.

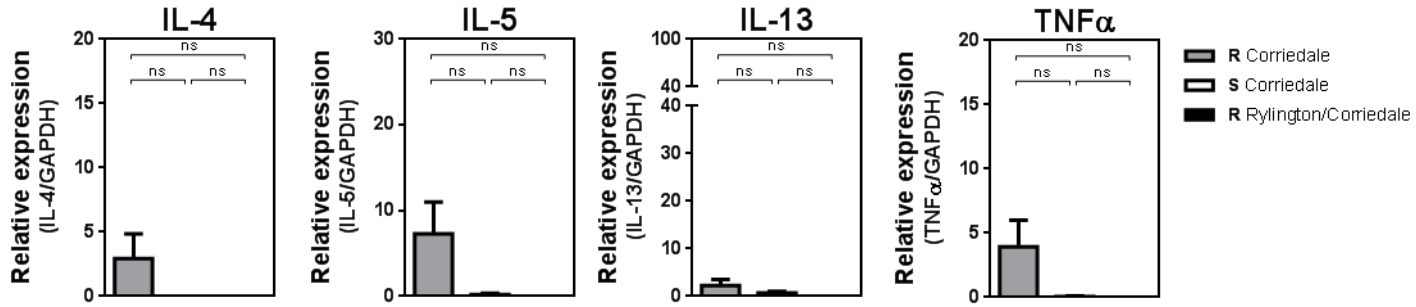
# Supplementary Figure S4



**Supplementary Figure S4. Significant differences during the infection for the parasite-specific IgG titers levels in plasma.** Saliva samples from infected (A, C) or control (B, D) susceptible and resistant Corriedale and resistant Rylington x Corriedale lambs were incubated with larvae (A, B) or adult (C, D) derived-antigen coated plates. Specific antibodies were detected with anti-sheep IgA HRP-conjugated antibody.

# Supplementary Figure S5

Day 35



**Supplementary Figure S5. Type-2 cytokine levels produced by PBMC from control animals.** PBMCs from non infected susceptible and resistant Corriedale and resistant Rylington x Corriedale lambs obtained at 35 days after infection were stimulated with adult-derived parasite antigens for 5 days. Copy DNA from these cells was used as a template to determine cytokine mRNA levels by qRT-PCR. Results are shown as the ratio of mRNA amplification for a specific cytokine and the GAPDH  $\pm$  SEM.