

**Supplementary Information**

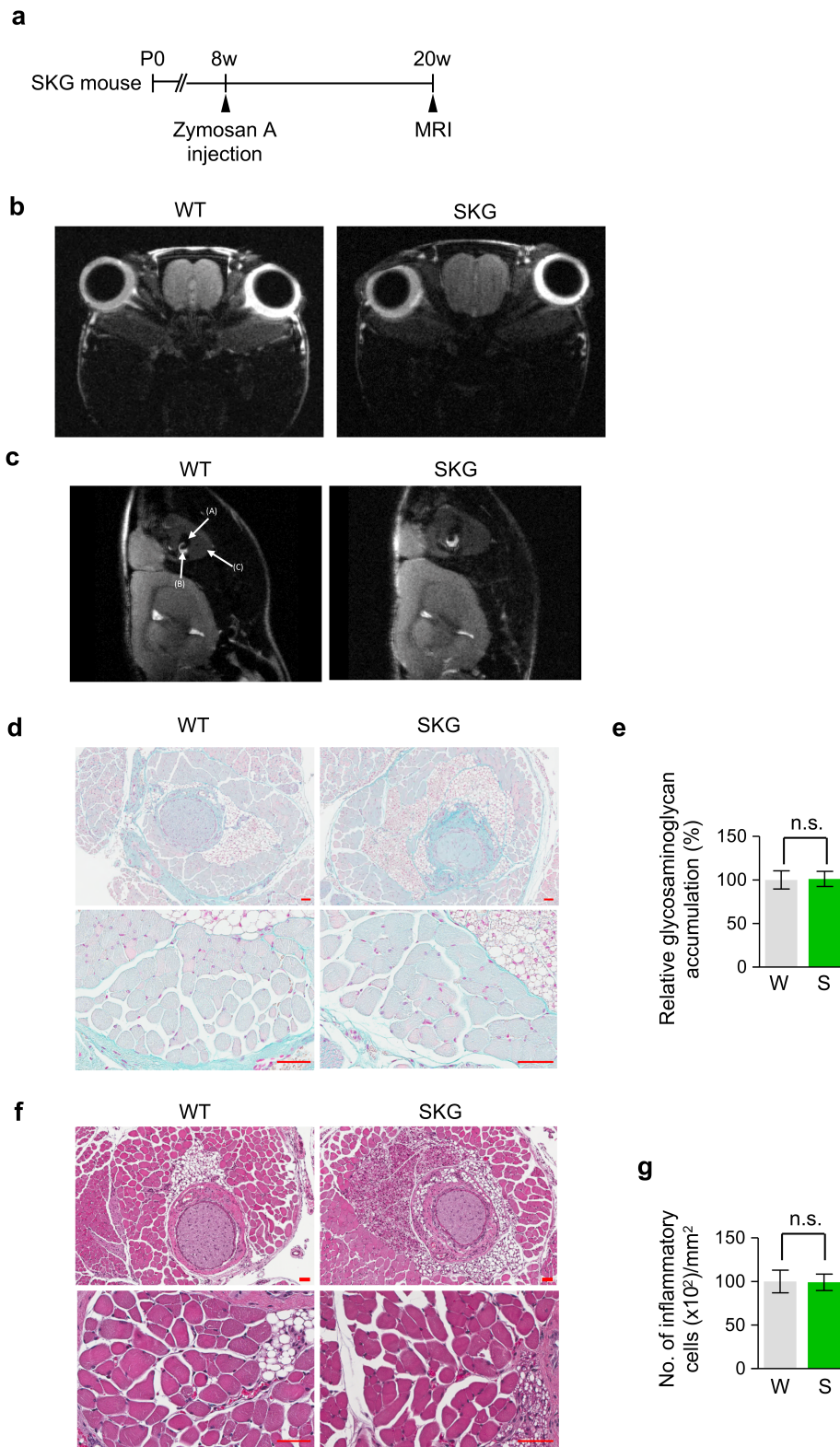
**Enhanced orbital adipogenesis in a mouse model of T-cell-mediated autoimmunity,  
zymosan A-treated SKG mice: Implications for Graves' ophthalmopathy**

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This material includes:

Supplementary Fig. S1. SKG mice showed no significant change in extraocular muscle volume, glycosaminoglycan accumulation, and infiltration of inflammatory cells.



**Supplementary Figure 1. SKG mice showed no significant change in extraocular muscle volume, glycosaminoglycan accumulation, and infiltration of inflammatory cells. (a)**

Diagram of the schedule for an innate immune stimulus by zymosan A administration starting at 8 weeks old and 3 months later using SKG mice. **(b and c)** in vivo MR Images showing the orbital muscles. Extraocular muscle (labelled A), optic nerve (labelled B) and Harderian gland (labelled C). **(d and e)** Images and comparison of the intensity of Alcian blue immunostaining for evaluation of glycosaminoglycan accumulation in the extraocular muscles. **(f and g)** Images and comparison of the infiltration of inflammatory cells in the extraocular muscles. n = 4 for each group. Scale bars: 50  $\mu\text{m}$ .