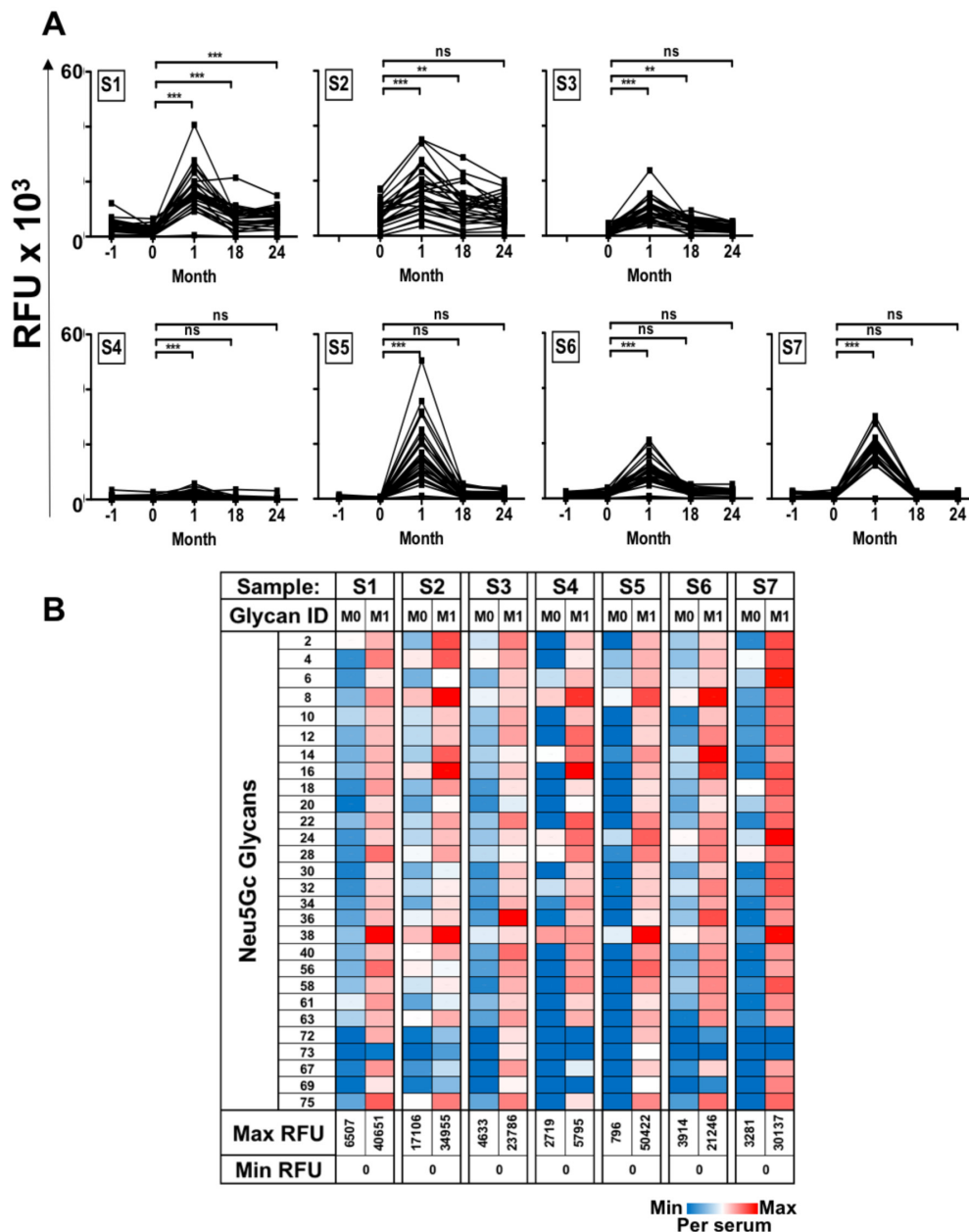
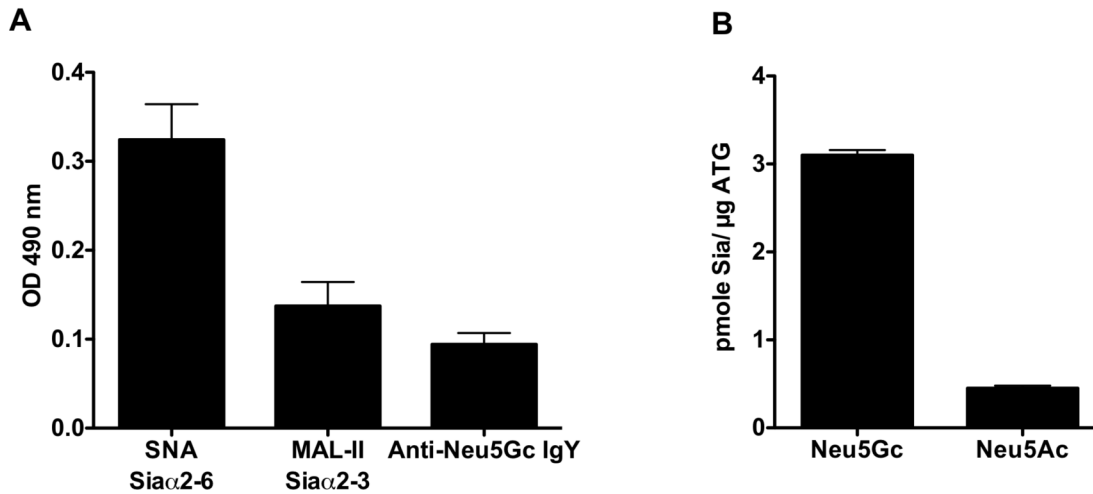


# Glycan microarray reveal induced IgGs repertoire shift against a dietary carbohydrate in response to rabbit anti-human thymocyte therapy

## SUPPLEMENTARY MATERIALS



**Supplementary Figure 1: Diverse anti-Neu5Gc IgG response is induced after ATG treatment.** Related to Figure 1. (A) Sequential patients' serum samples pre-/post-ATG therapy were tested at 1:100 dilution on sialoglycan microarrays, detected by Cy3-anti-human IgG (40 ng/well) (repeated measures One-Way ANOVA, \*\*\* P<0.0001, with Bonferroni's Multiple Comparison Test). (B) Serum anti-Neu5Gc IgG repertoire measured against Neu5Gc-glycans pre-ATG (M0) and one month post-ATG (M1) revealed newly-derived antibodies (Heatmap per serum: red-white-blue represent maximum-50th percentile-minimum reactivity, respectively).



**Supplementary Figure 2: Sialic acids on rabbit ATG.** Related to Figure 3. (A) Sialic acids on ATG were demonstrated by ELISA using SNA lectin for Sia2–6-linked, MAL-II lectin for Sia $\alpha$ 2–3-linked and chicken anti-Neu5Gc IgY for Neu5Gc detection. (B) Neu5Gc and Neu5Ac on ATG were quantified by DMB-HPLC.

For Supplementary Tables see in Supplementary Files.