## **Supporting Information**

Quintana et al. 10.1073/pnas.0806310105

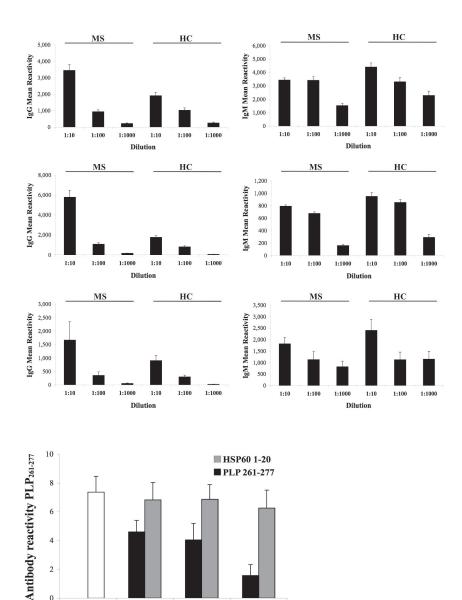


Fig. S1. Performance of antigen microarrays. (A) Mean IgG and IgM reactivity to CNS, HSP or lipid antigens in RRMS and HC serum samples. Results are presented as mean + SEM. \*, P < 0.05; \*\*, P < 0.01; and \*\*\*, P < 0.001 (2-way ANOVA) when compared to HC samples tested at the same dilution. (B) IgG reactivity to  $PLP_{261-277}$  of RRMS sera at a 1:10 dilution preincubated with different concentrations of  $PLP_{261-277}$  or  $HSP60_{1-20}$ . \*\*, P < 0.01 and \*\*\*, P < 0.001 compared to samples preincubated with no competitor.

Competitor (µg/ml)

50

2

0

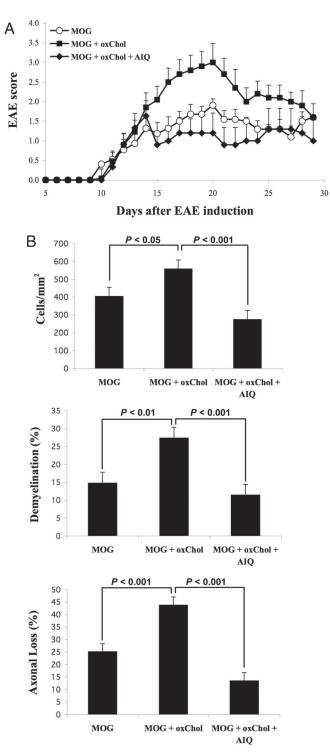


Fig. 52. Administration of oxidized cholesterol derivatives worsens EAE. (A) EAE was induced in C57BL/6 mice with MOG<sub>35-55</sub>, and oxChol was administered at days 0, 4, 7, and 10 after EAE induction with or without AIQ. The course of EAE in these mice is shown as the mean EAE score + SEM. Mice that received oxChol had a worsening in their EAE score (P < 0.0001) that was abrogated with AIQ (P < 0.0001). (B) Quantification of the cellular infiltrate, demyelination, and axonal loss on the spinal cord of MOG<sub>35-55</sub>, MOG<sub>35-55</sub> + oxChol, or MOG<sub>35-55</sub> + oxChol + AIQ mice. Each column represents the mean  $\pm$  SEM resulting from the analysis of at least 8 sections.

## **Other Supporting Information Files**

Table S1 (XLS)
Table S2 (PDF)

Table S3 (PDF)
Table S3 (PDF)
Table S4 (XLS)
Table S5 (XLS)
Table S6 (PDF)
Table S7 (PDF)

Table S8 (XLS)
Table S9 (XLS)