

Supplementary Figure 6

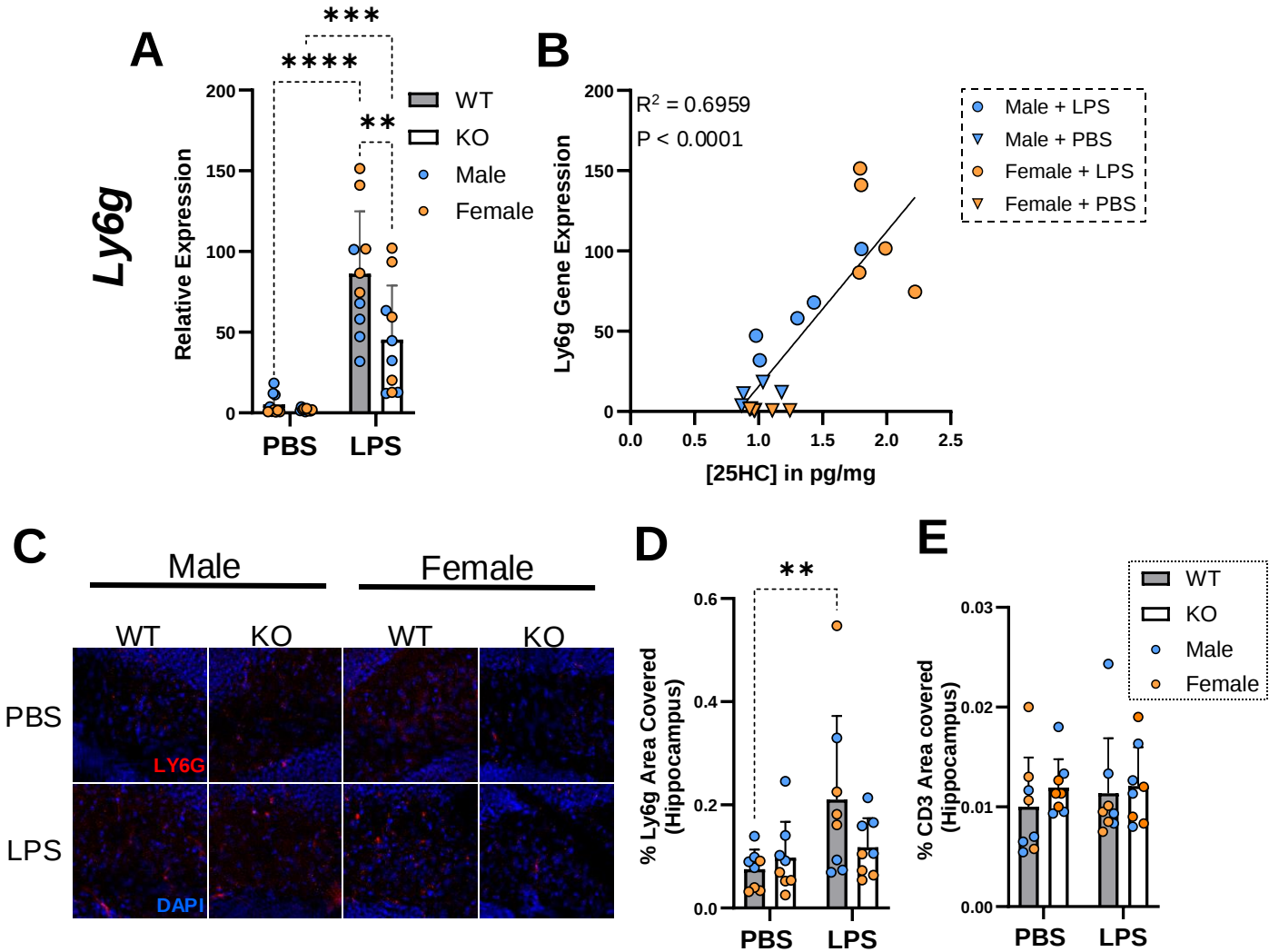


Figure S6: Levels of 25HC correlate with Ly6g gene expression and correspond to an increase in LY6G protein among WT mice. (A) Relative expression of Ly6g mRNA measured by qPCR in the hippocampus and (B) the correlation between Ly6g relative expression and 25HC levels. 25HC concentrations are as shown in Figure 1C. (C) Representative immunofluorescence images of mouse hippocampal sections stained for LY6G (red); nuclei were stained with DAPI (blue). (D) Percentage of area covered by LY6G in the hippocampus. Data are presented as mean values $\pm$ SD. Statistical significance was defined using a two-way ANOVA with Tukey's post-hoc test (* $P < 0.05$, ** $P < 0.01$, & **** $P < 0.0001$). Statistical significance and slope of the line were calculated with simple linear regression analysis and correlations were assessed by calculating the coefficient of determination (R^2).