

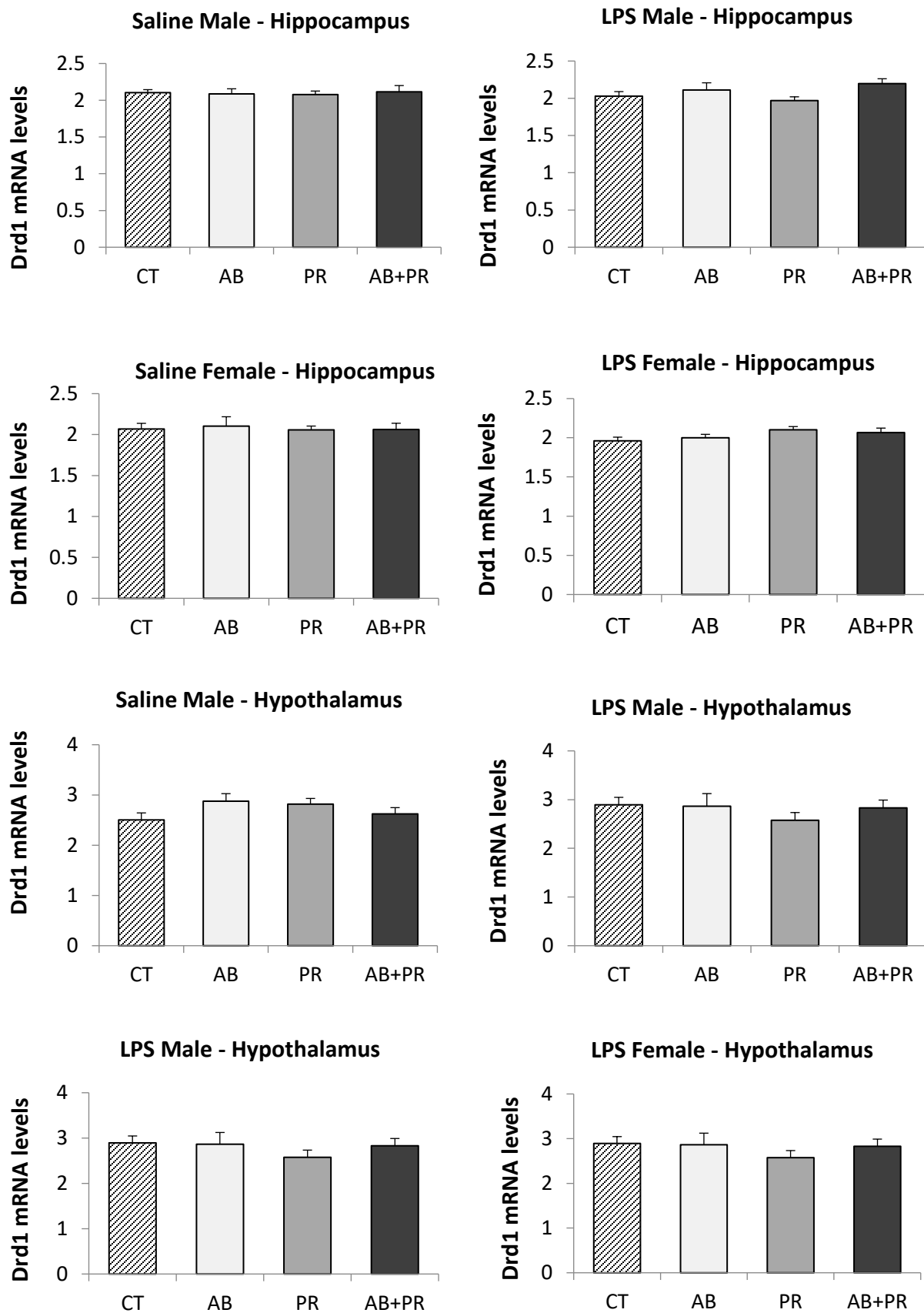
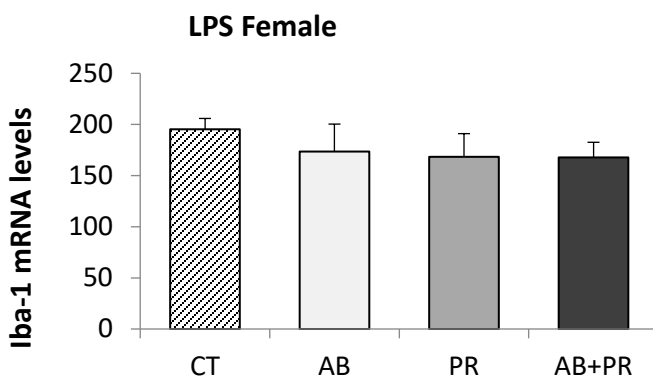
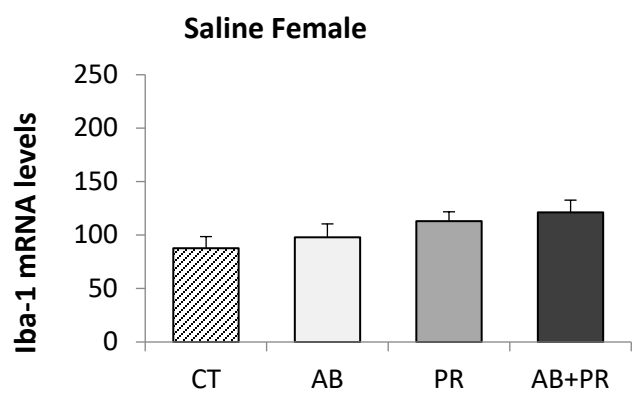
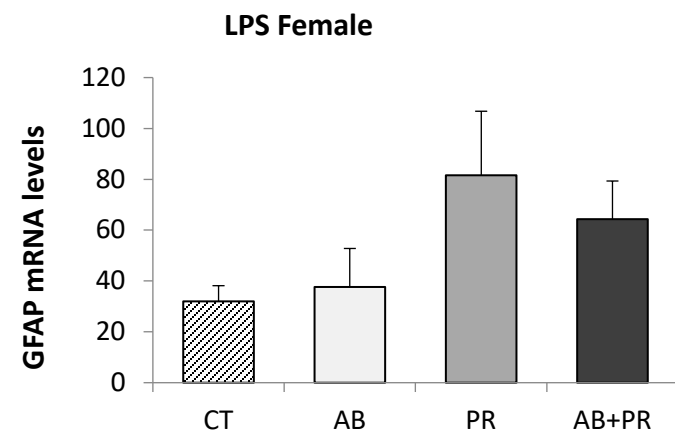
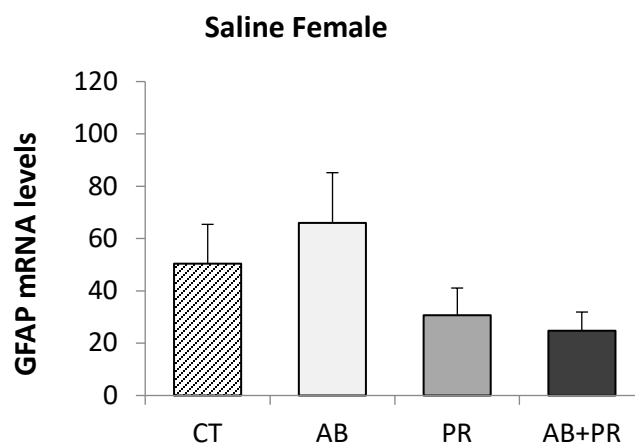
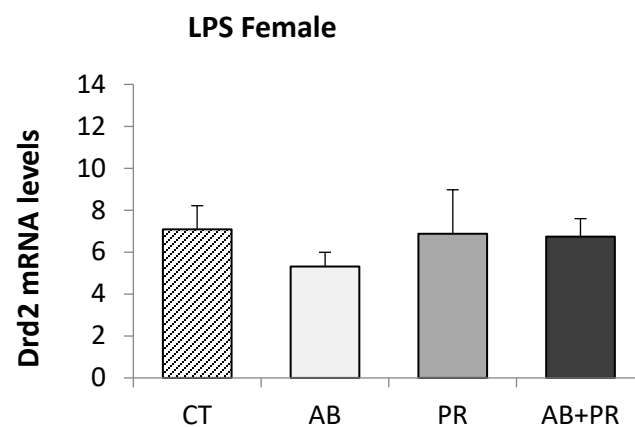
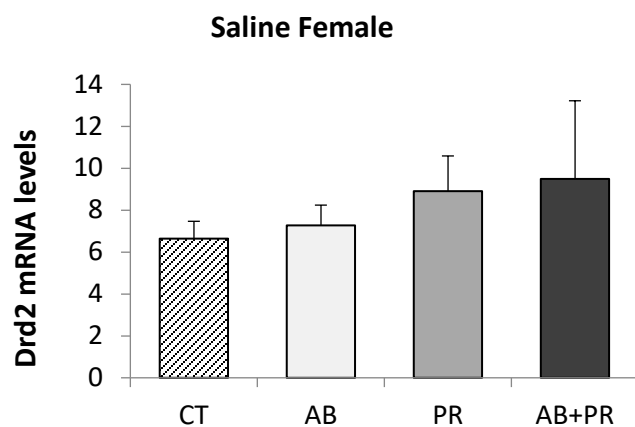
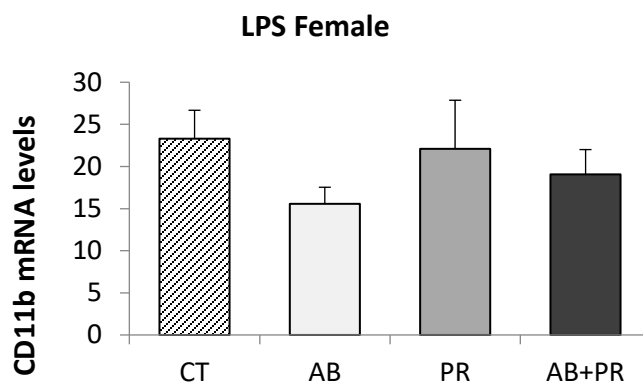
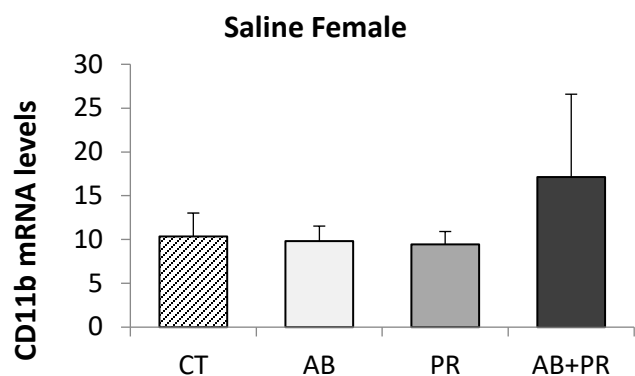


Figure S1. Gene expression of Drd1 in the hippocampus and hypothalamus of females and males injected with saline or LPS. Values are mean $\pm$ SEM (n=10-13/group). No significance. CT: control; AB: antibiotic; PR: prebiotic; AB + PR: antibiotic plus prebiotic.



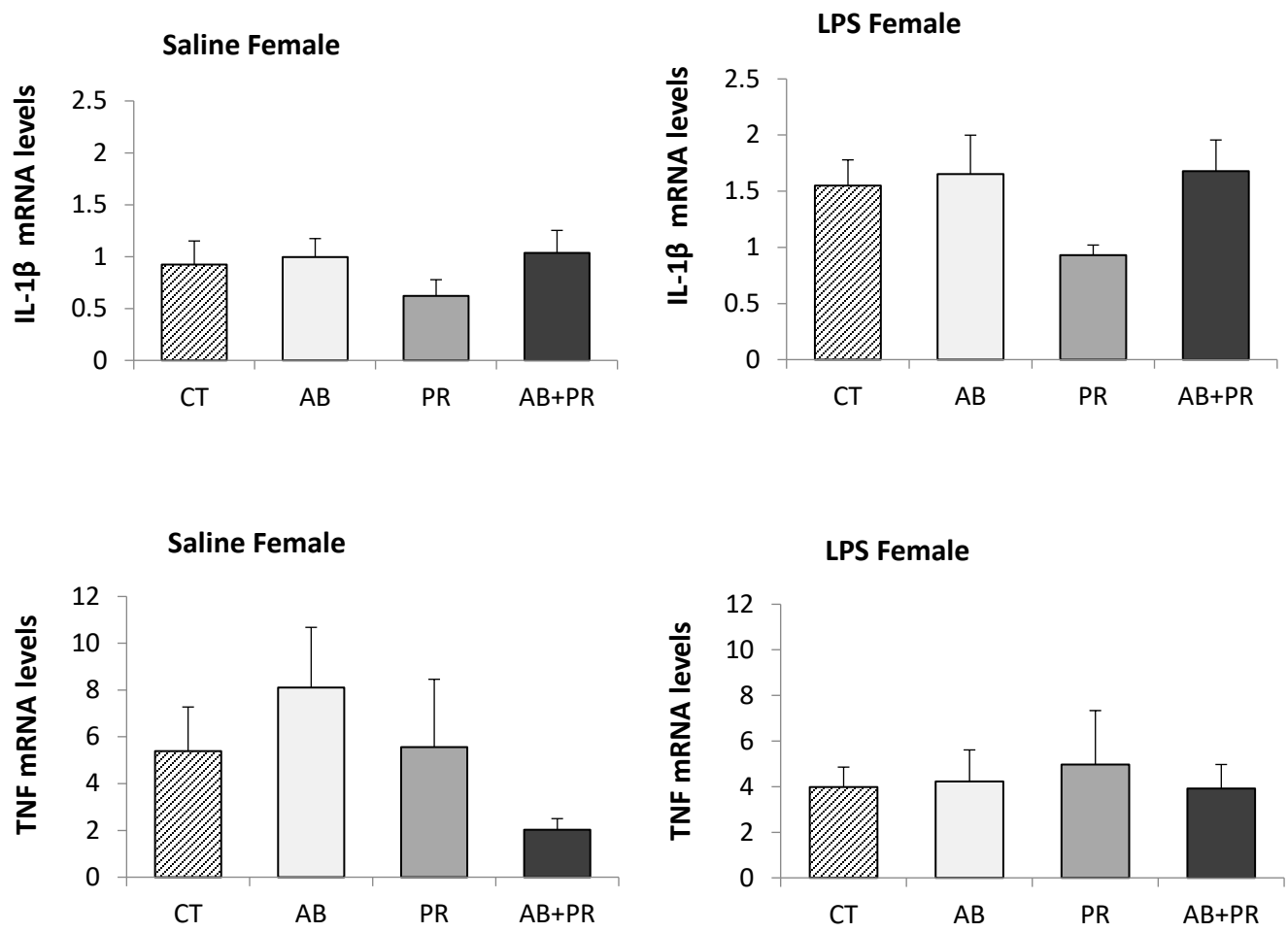
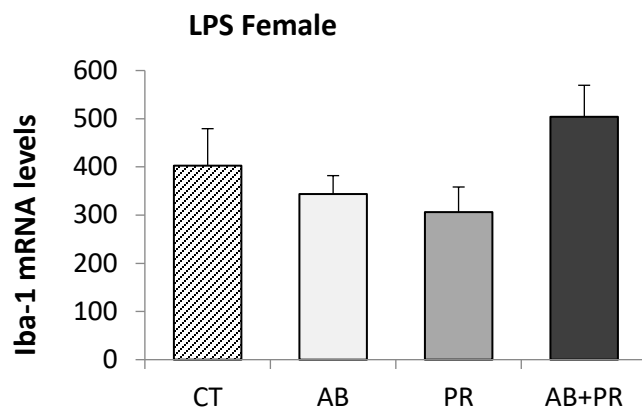
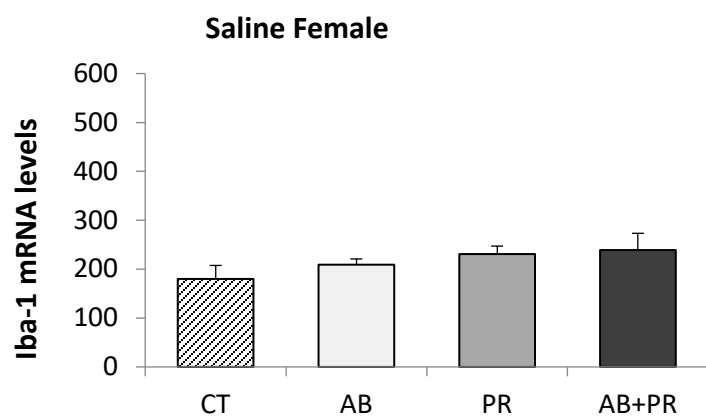
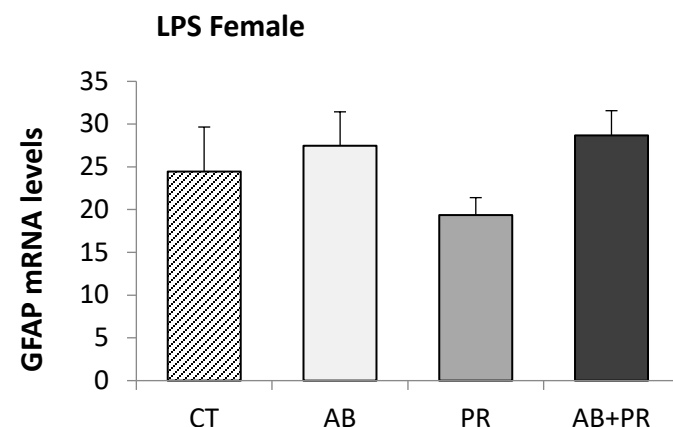
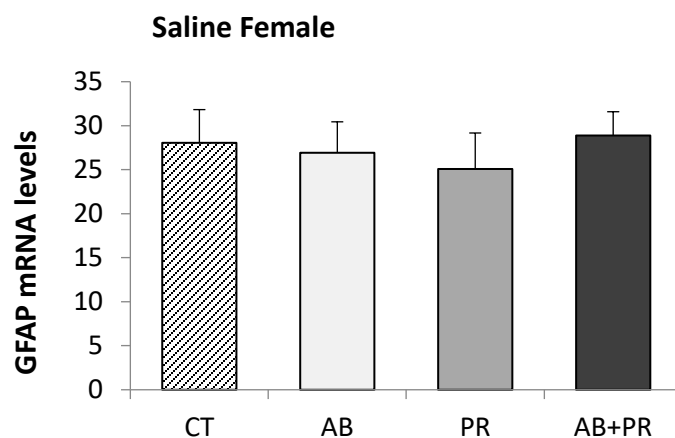
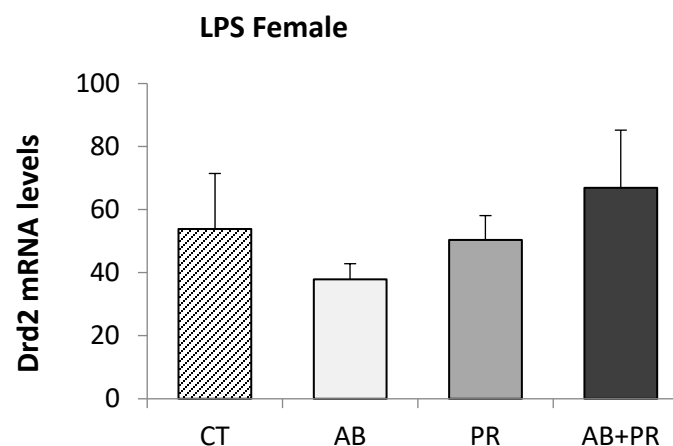
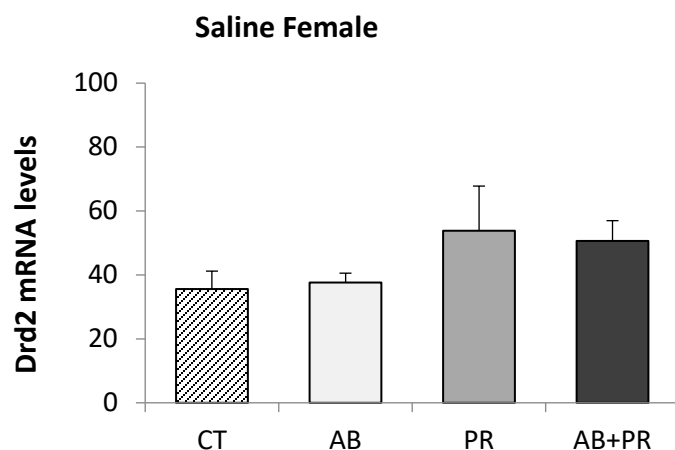
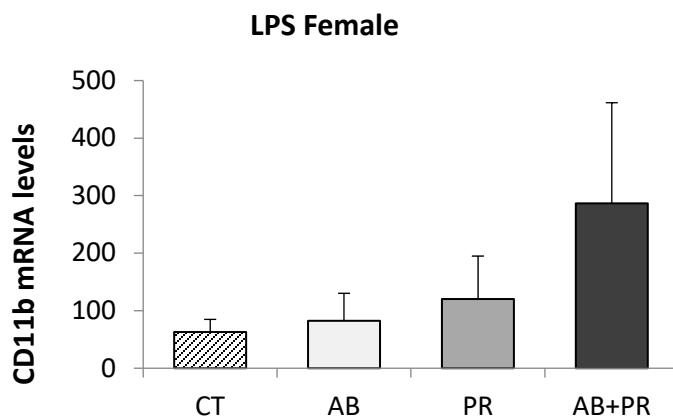
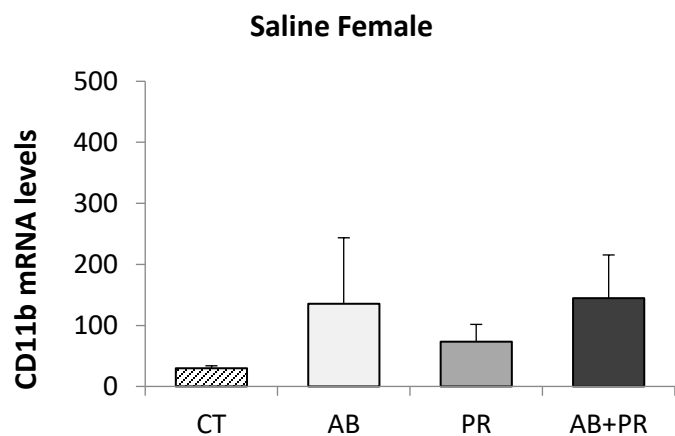


Figure S2. Gene expression in the hippocampus of females injected with saline or LPS. Values are mean $\pm$ SEM (n=10-13/group). No significance. CT: control; AB: antibiotic; PR: prebiotic; AB + PR: antibiotic plus prebiotic.



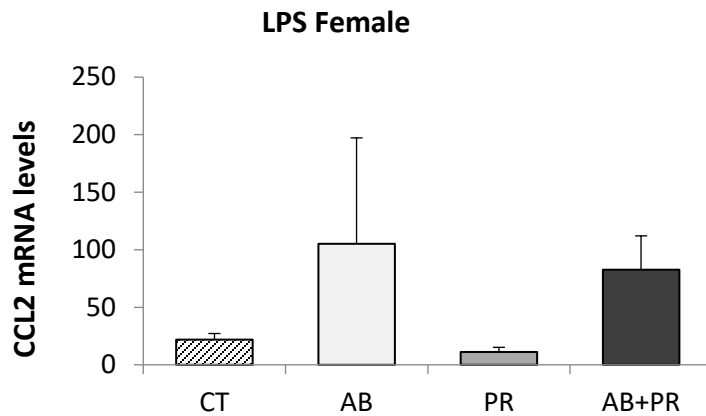
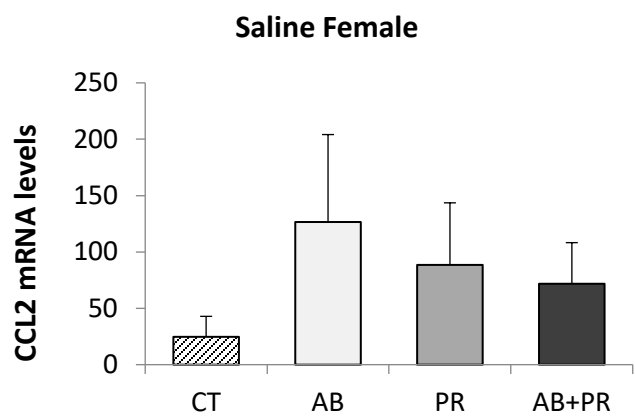
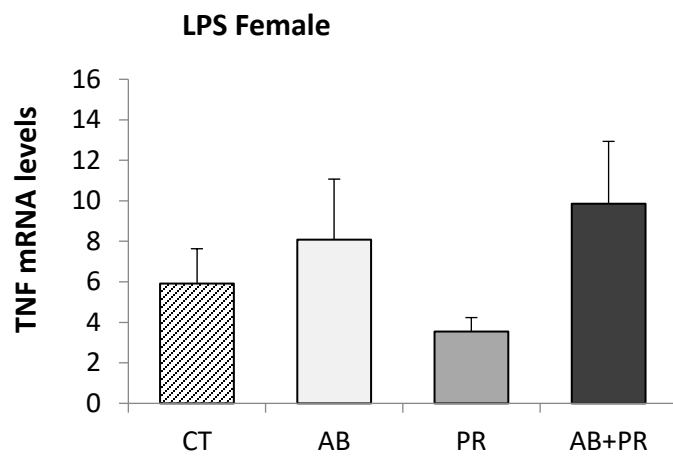
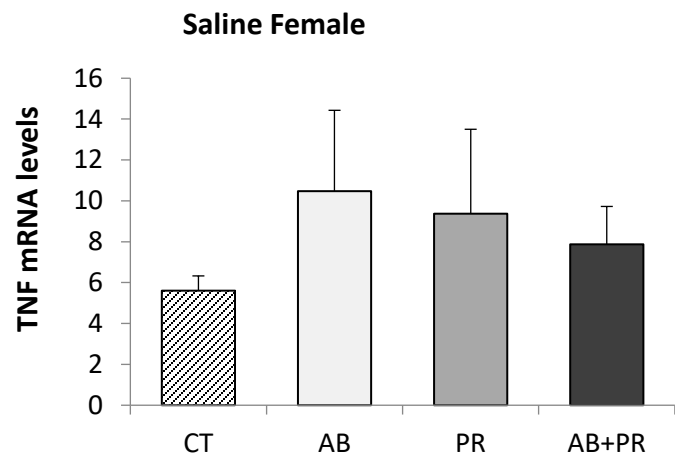
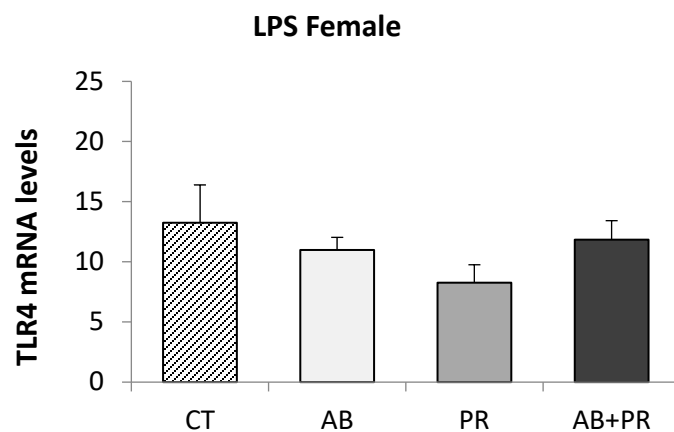
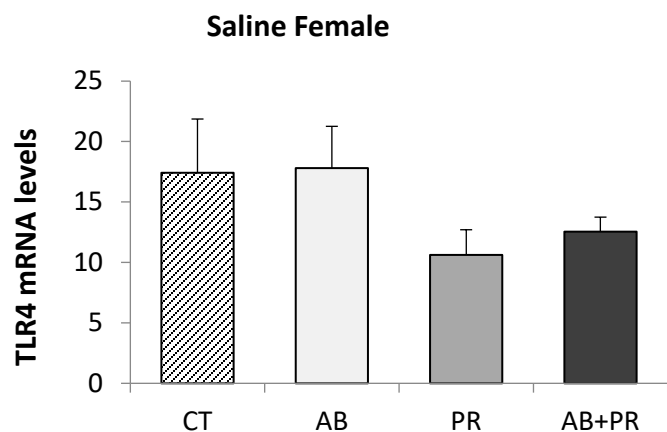
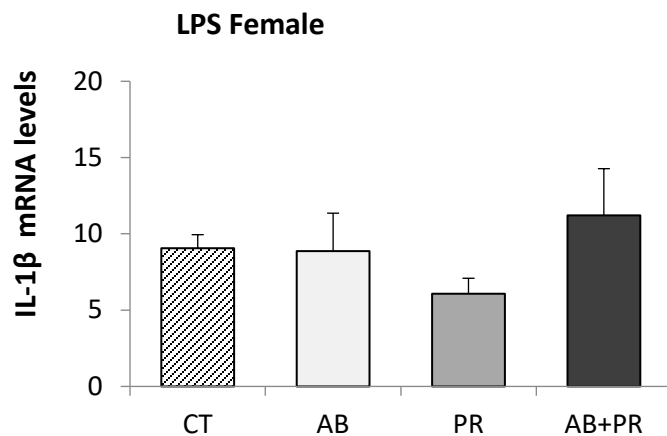
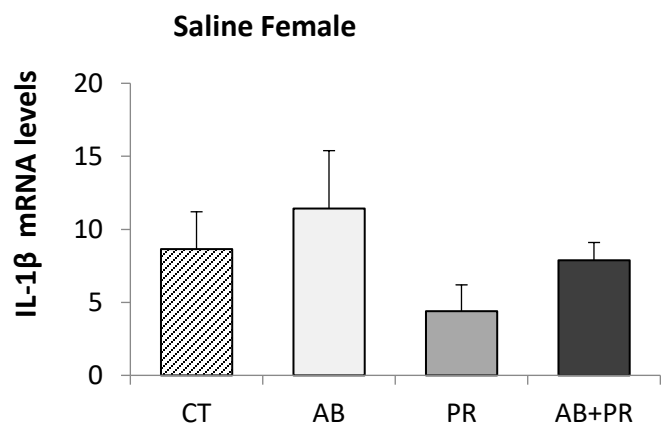


Figure S3. Gene expression in the hypothalamus of females injected with saline or LPS. Values are mean $\pm$ SEM (n=10-13/group). No significance. CT: control; AB: antibiotic; PR: prebiotic; AB + PR: antibiotic plus prebiotic.

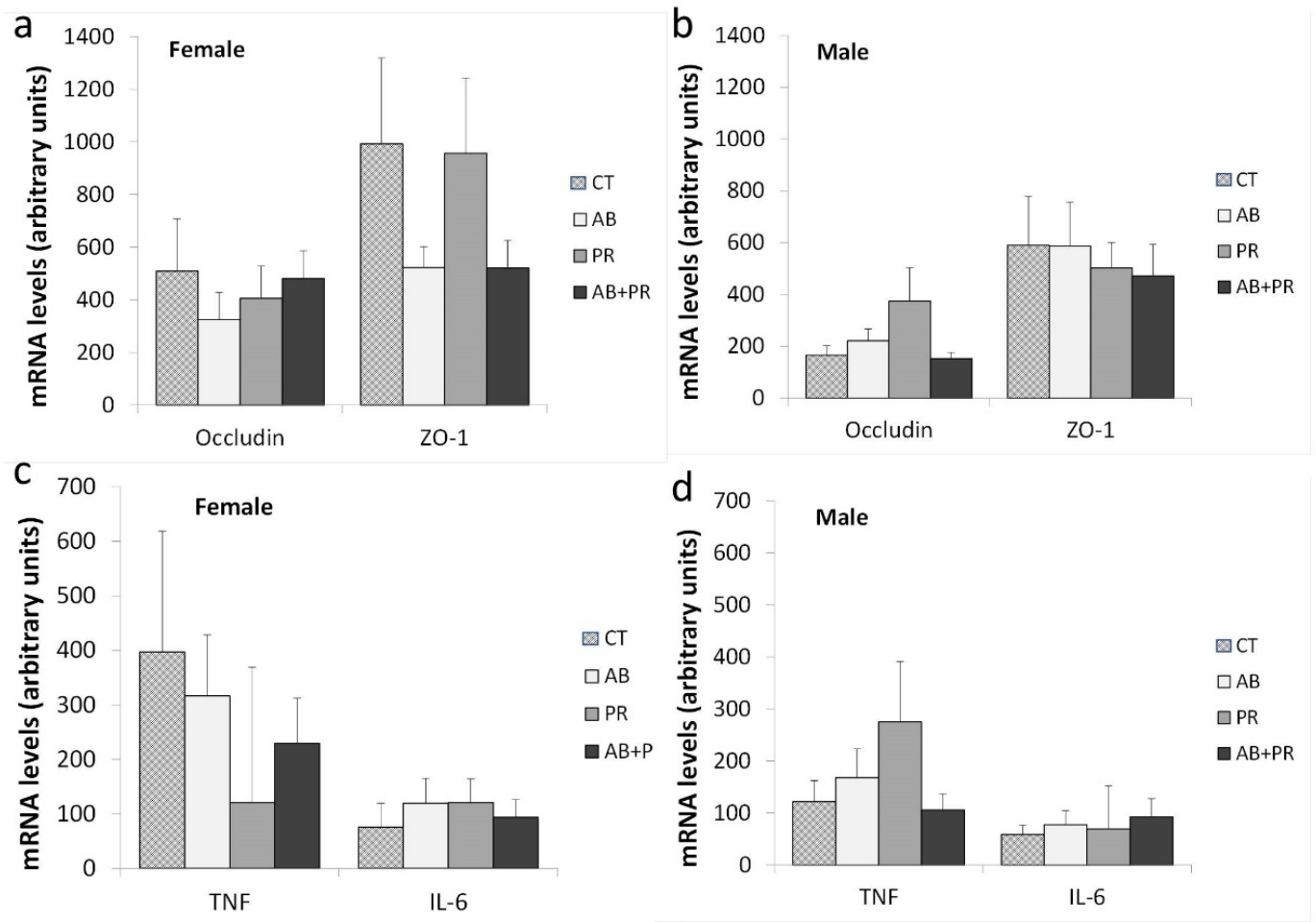


Figure S4. (a) Female offspring mRNA levels of occludin and tight junction protein ZO-1; (b) Male offspring mRNA levels of occludin and tight junction protein ZO-1; (c) Female offspring mRNA levels of TNF and IL-6; (d) Male offspring mRNA levels of TNF and IL-6. Values are mean $\pm$ SEM (n=10-11/group). No significant differences. CT: control; AB: antibiotic; PR: prebiotic; AB + PR: antibiotic plus prebiotic.