

Supporting Information

Protective Effects of *Akkermansia muciniphila* on Cognitive Deficits and Amyloid Pathology in a Mouse Model of Alzheimer's Disease

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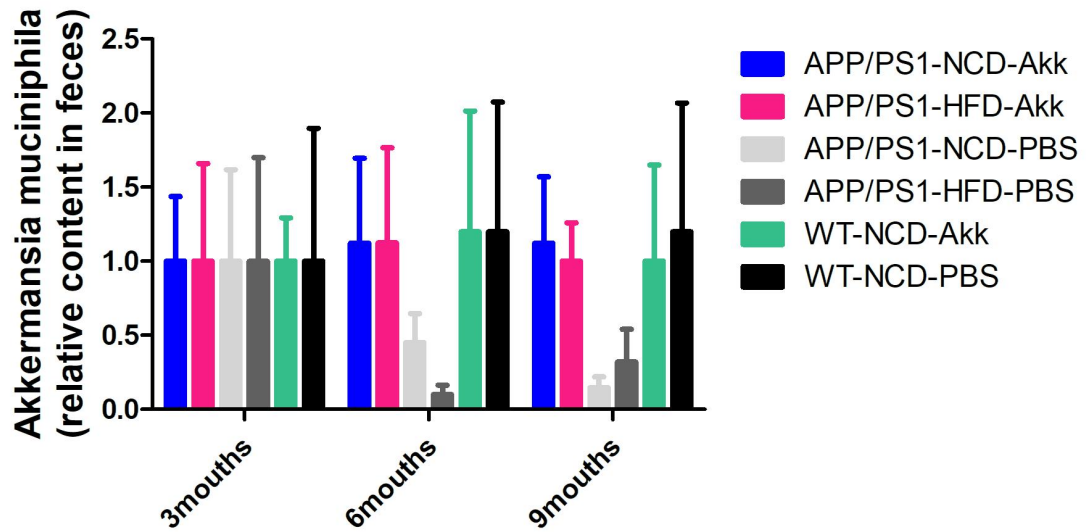
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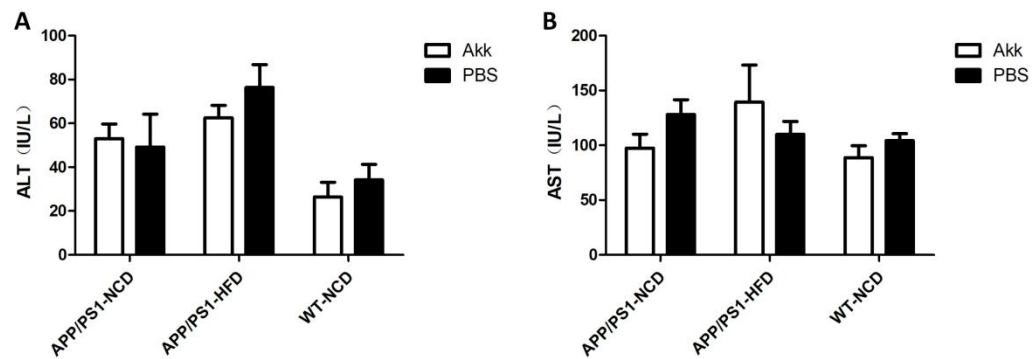
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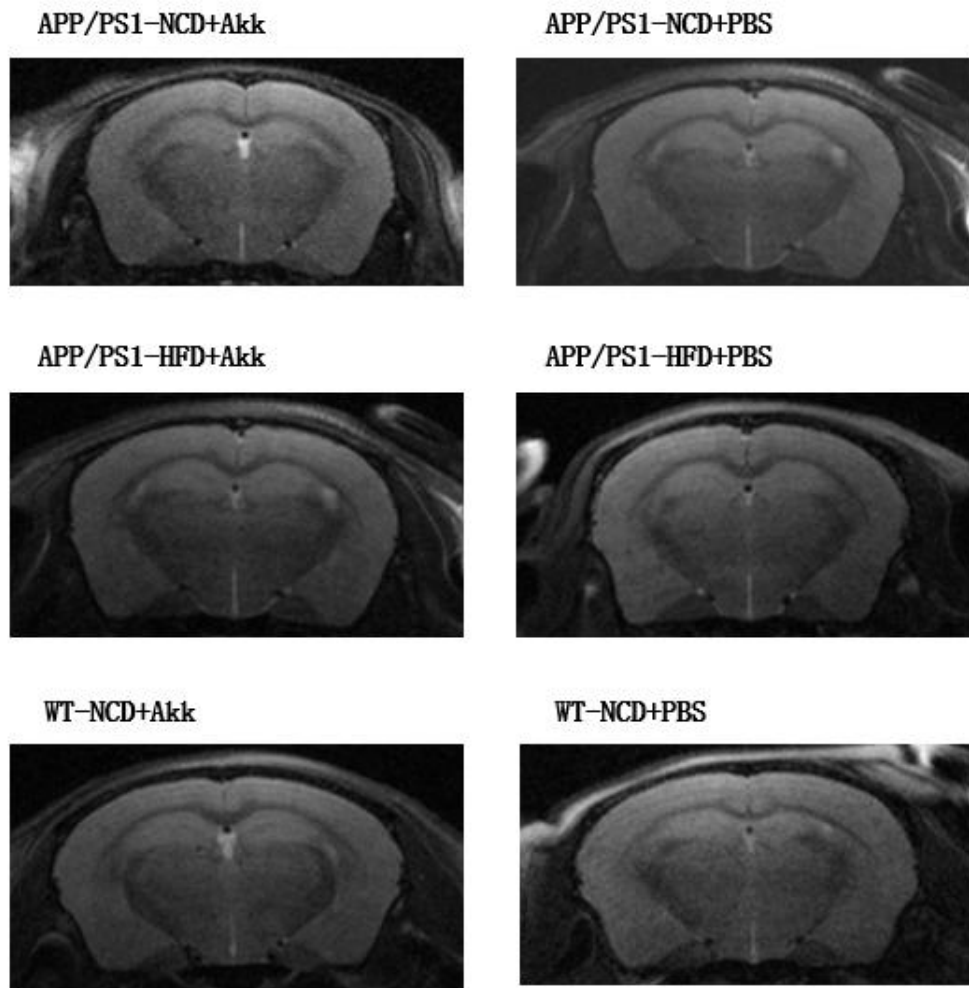
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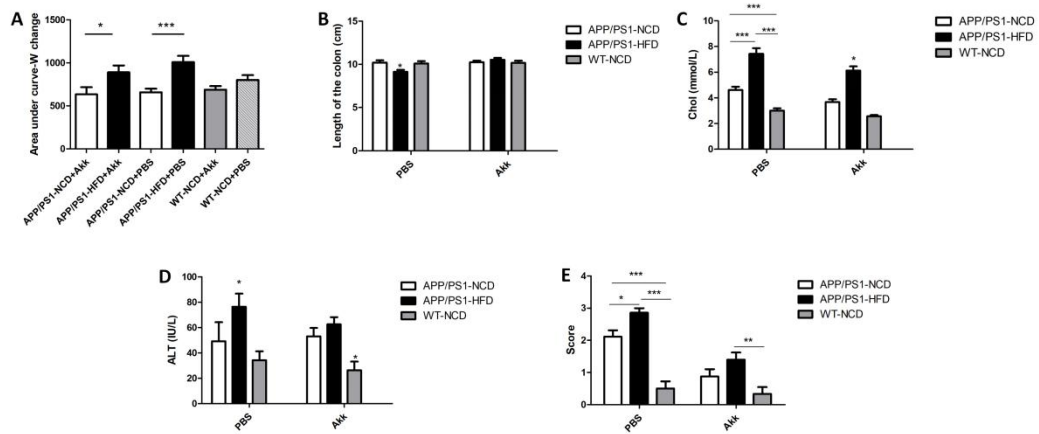
Supplementary Figure 1 *Akkermansia muciniphila* relative content in mice. Data are presented as the mean \pm SEM, N=6-10 per group. *P < 0.05; **P < 0.01; ***P < 0.001.



Supplementary Figure 2 Serum ALT and AST levels in the mice. Data are presented as the mean \pm SEM, N=6-10 per group. *P < 0.05; **P < 0.01; ***P < 0.001.



Supplementary Figure 3 Representative MRI images of mice brains. Data are presented as the mean \pm SEM, N=6-10 per group. *P < 0.05; **P < 0.01; ***P < 0.001.



Supplementary Figure 4 (A,B) Body weight gain and length of colon were measured per mouse. (C,D) Chol and ALT levels were measured in the mice. (E) Histological assessment of hepatic steatosis with representative pictures of H&E stained liver sections. Data are presented as the mean \pm SEM, N=6-10 per group. *P < 0.05; **P < 0.01; ***P < 0.001.