Supplementary Figures

Sup-Figure 1: (A) The ratio of pTau (S404) to total Tau. (B) The ratio of pTau(T181) to total Tau. \* p=0.0255 of HFDPFOS/SDPFOS.



Sup-Figure 2: (A)Principal compenent analysis of all samples belong to the 4 groups of mice displayed 95% of confidence regions 1, SD group, 2; PFOS group, 3 HFD group and 4; HFDPFOS group. (B)Venn diagram resulting from the four comparisons of differentially expressed genes.

**A**

Chart, bubble chart

Description automatically generated

B

A picture containing drawing, diagram, illustration

Description automatically generated

Sup Figure 3: A: Principal component analysis of all samples belong to the 4 groups of mice B: Proteomic analysis using Olink platform and DEP identification. C: Venn diagram resulting from the four comparisons of differentially expressed genes.



A

B

C