

Supplementary information

Effects of ApoE Genotype on Cognitive Function in Aging Mice Fed with High-Fat Diet and the Protective Potential of n-3 Polyunsaturated Fatty Acids

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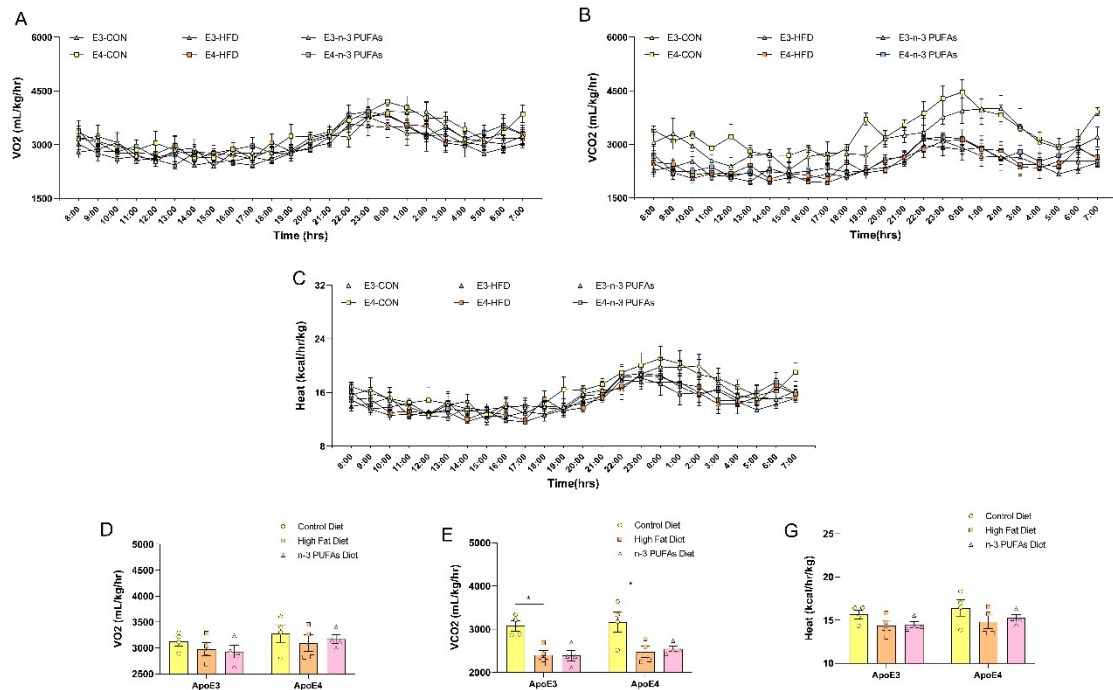
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5 Shaanxi Key Laboratory of Natural Products & Chemical Biology, College of Chemistry & Pharmacy, Northwest A&F University, Yangling, Shaanxi 712100, China.

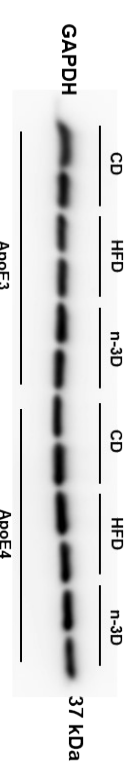
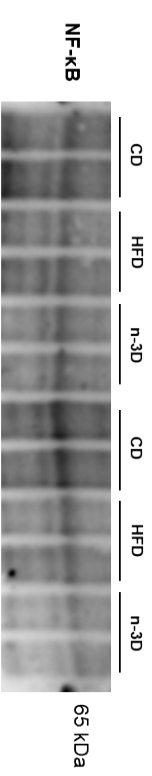
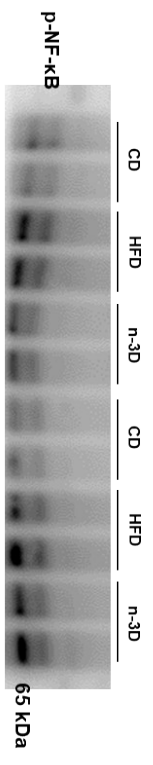
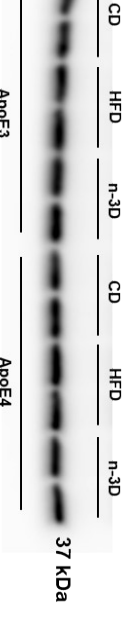
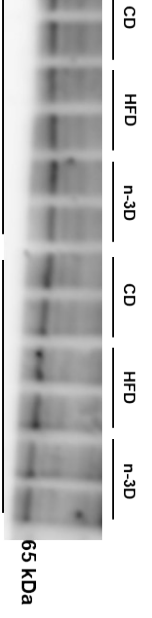
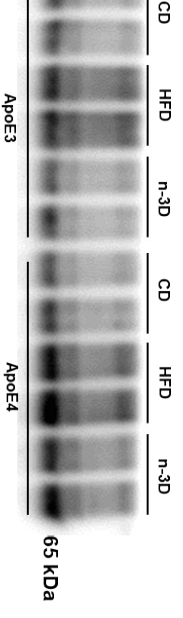
These authors contributed equally to this work.

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Supplementary Figure 1 *Effects of n-3 PUFAs Supplementation on Energy Metabolism in HFD-induced ApoE3 and ApoE4 Aging Mice*

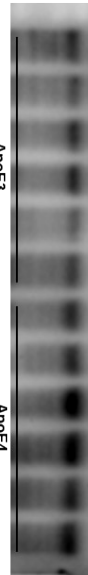
(A) The curve of oxygen consumption and (B) carbon dioxide production. (C) The curve of heat production change; (D-F) Quantitative analysis of oxygen consumption, carbon dioxide production and heat production during the 24 h test period. Data presented as mean ± SEM and were analyzed using two-way ANOVA with Tukey's test. * $p < 0.05$, ** $p < 0.01$.



p-IRS-1
(Ser307)

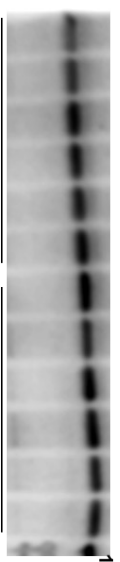


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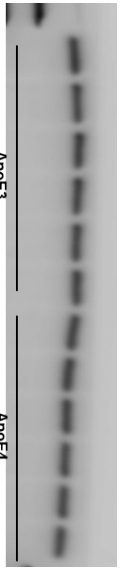


180 kDa

IRS-1

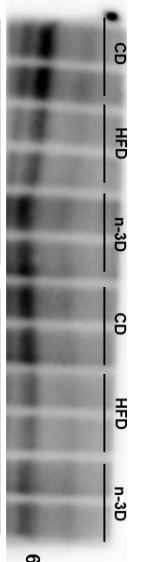


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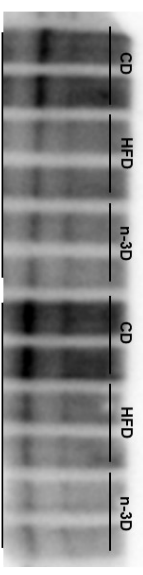


180 kDa

p-AKT
(Ser473)

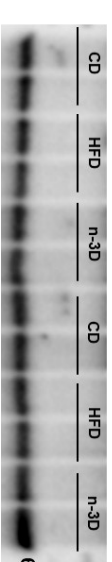


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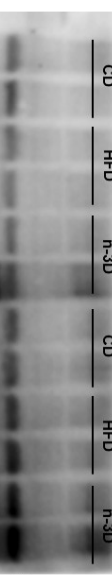


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AKT

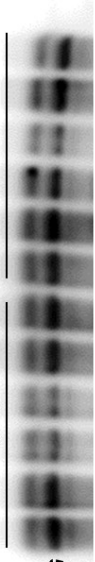


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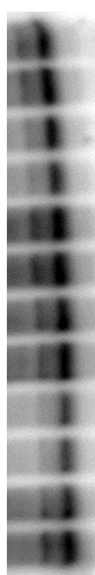


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GLUT4

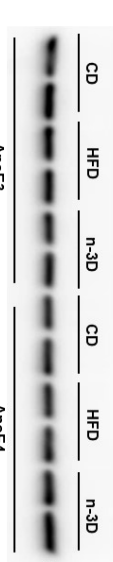


GLUT4

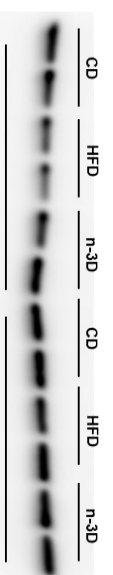


54 kDa

GAPDH



GAPDH



37 kDa