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Carriers of an apolipoprotein E epsilon 4 allele are more vulnerable to a dietary deficiency in omega-3 fatty acids and cognitive decline

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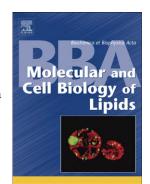
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Carriers of an apolipoprotein E epsilon 4 allele are more vulnerable to a dietary deficiency in omega-3 fatty acids and cognitive decline.

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Running title:

Abbreviations used:

AA: arachidonic acid

ALA: alpha-linolenic acid

APOE: apolipoprotein E

Aβ : β-amyloid

BBB: blood-brain-barrier

CNS: central nervous system

DHA: docosahexaenoic acid, 22:6 n-3

DHAEE: DHA ethyl ester

E4: epsilon 4 allele of apolipoprotein E

EPA: eicosapentaenoic acid

FA: fatty acid

F2: second generation

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