



**Supplemental Figure:** The fatty acids GC chromatogram of prefrontal cortex.

Groups: control (C); D-gal (D); D-gal + sucrose (DS); D-gal + sucrose + fish oil (DSFO); D-gal + sucrose + flaxseed oil (DSFS). LA: linoleic acid; AA: arachidonic acid; ALA:  $\alpha$ -linolenic acid; EPA: eicosapentaenoic acid; DHA: docosahexaenoic acid.