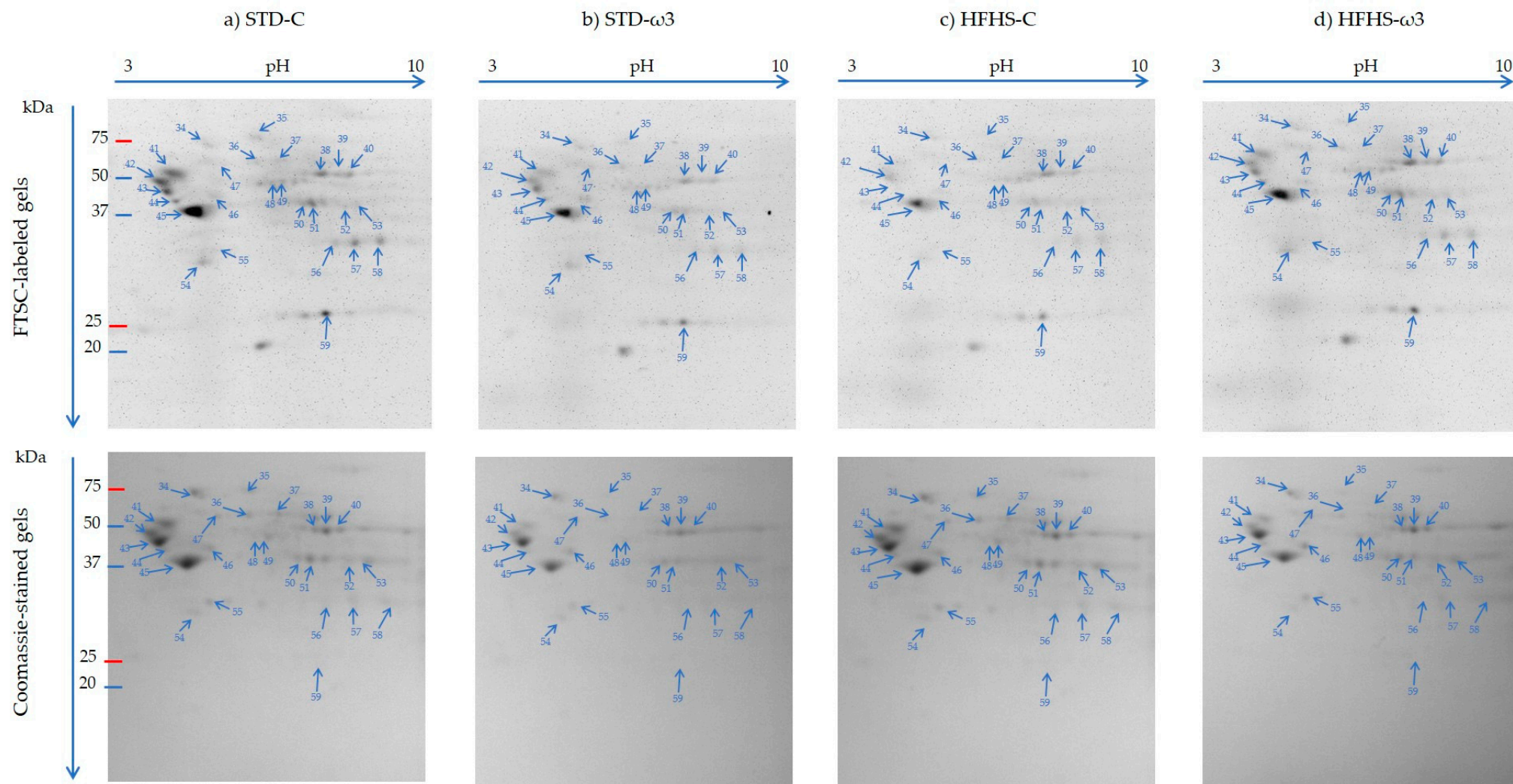


Supplementary Figure S1: Representative 2-DE gel images showing carbonylated and total proteins identified in the cytosolic fraction of rat cerebellum. Upper panels are the FTSC-labeled 2-DE gel images and bottom panels are the corresponding Coomassie-stained 2-DE gel images from a) STD-C, b) STD- ω 3, c) HFHS-C and d) HFHS- ω 3 experimental groups. Numbered protein spots (1-33) indicate carbonylated proteins confidently identified and listed in Supplementary Table S4. Images are representatives of three independent labeling experiments performed in triplicates. STD: standard diet. HFHS: high-fat and high-sucrose diet; C: control oil (soybean oil), ω 3: fish oil.



Supplementary Figure S2: Representative 2-DE gel images showing carbonylated and total proteins identified in the myofibrillar fraction of rat cerebellum. Upper panels are the FTSC-labeled 2-DE gel images and bottom panels are the corresponding Coomassie-stained 2-DE gel images from a) STD-C, b) STD- ω 3, c) HFHS-C and d) HFHS- ω 3 experimental groups. Numbered protein spots (34-59) indicate carbonylated proteins confidently identified and listed in Supplementary Table S4. Images are representatives of three independent labeling experiments performed in triplicates. STD: standard diet. HFHS: high-fat and high-sucrose diet; C: control oil (soybean oil), ω 3: fish oil.