

Manuscript title:

Docosahexaenoic acid Counteracts the Hypoxic-Induced Inflammatory and Metabolic Alterations in 3T3-L1 Adipocytes

Table S1. Description of media formulations for cell differentiation as provided by Zen-BIO

MEDIUM	FORMULATION
3T3-L1 Preadipocyte Medium	DMEM, high glucose HEPES pH 7.4 Bovine Calf Serum (BCS) Penicillin Streptomycin Amphotericin B
3T3-L1 Adipocyte Medium	DMEM / Ham's F-12 medium (1:1, v/v) HEPES pH 7.4 Fetal Bovine Serum (FBS) Biotin Pantothenate Human insulin Dexamethasone Penicillin Streptomycin Amphotericin B
3T3-L1 Differentiation Medium	DMEM / Ham's F-12 medium (1:1, v/v) HEPES pH 7.4 Fetal Bovine Serum (FBS) Biotin Pantothenate Human insulin Dexamethasone Penicillin Streptomycin Amphotericin B Isobutylmethylxanthine PPAR γ agonist

Table S2. Primers

TaqMan Gene Expression Assay (Mouse PPARγ primer): [Mm01184322_m1]/cat# 4331182/Applied Biosystems Foster, TheromFischer, USA
TaqMan Gene Expression Assay B-actin (Mouse Actb primer): (Mm00607939_s1)cat# 4331182/ Applied Biosystems Foster, TheromFischer, USA. Housekeeping gene.
TaqMan Gene Expression Assay Slc1a3 (Mouse GluT-1 primer): [Mm00600697_m1]/cat# 4331182/Applied Biosystems Foster, TheromFischer, USA
TaqMan Gene Expression Assay (Mouse Hif1a primer); [Mm00468869_m1]/cat# 4331182/ Applied Biosystems Foster, TheromFischer, USA
TaqMan Gene Expression Assay (Mouse FASN - mouse primer): [Mm00662319_m1]/cat# 4331182/Applied Biosystems Foster, TheromFischer, USA
PrimeTime Mini qPCR Assay, Mm.PT.58.13819524, Hif-2 alpha Probe 5'-/56-FAM/ACC AGA GCC /ZEN/GTT TTT GAG AGT CAG G/3IABkFQ/-3' Primer1 5'-GAC ACG TCT TTG CTC TTC TTC-3.' Primer2 5'-GAC TTC ACT CAT CCT TGC GA-3.' IDT Integrated DNA Technologies USA
PrimeTime Mini qPCR Assay, Mm.PT.58.9683859, GLUT 4 Probe, 5'- /56-FAM/TGG AAA CCC /ZEN/GAC GGC ATC TTG T/3IABkFQ/-3' Primer 1 5'-GAG AAT ACA GCT AGG ACC AGT G-3' Primer 2, 5'-TCT TAT TGC AGC GCC TGA G-3.' IDT Integrated DNA Technologies USA
PrimeTime Mini qPCR Assay, Mm.PT.58.32860004, ANT 2 PrimeTime Probe, 5'-/56-FAM/TCA CGG CAG /ZEN/ATA AGC AAT ACA AGG GC/3IABkFQ/-3.' Primer1,5'-GAT ACG AAC CAC GCA GTC TAT G-3' Primer 2,5'-GCA GCC ATC TCC AAG ACA G-3.' IDT Integrated DNA Technologies USA

Figure S1. Cell Line: ZenBIO 3T3-L1 Preadipocytes

