

Abbreviations

ABR: Auditory evoked brain stem recording

ACC: Acetyl-CoA carboxylase

AMPK: AMP-activated protein kinase

CD: Control diet

DAG: Diacylglycerol

DPOAE: distortion products otoacoustic emissions

EFC: endolymphatic fluid compartment

EH: Endolymphatic hydrops

Enac: Amilorid-sensitive sodium channel

FAS: Fatty acid synthase

GAPDH: Glyceraldehyd-3-phosphate dehydrogenase

GLUT 4: Glucose transporter type 4

HEI-OC1: House Ear Institute-Organ of Corti 1

HFD: High fat diet

HSL: Hormone-sensitive lipase

HSP: Heat shock protein 90

IRS-1: Insulin receptor substrate 1

MRI: Magnetic resonance imaging

PDE: Phosphodiesterase

PI3-kinase: Phosphoinositide 3-kinase

PKB: Protein kinase B

SM: Scala media

ST: Scala tympani

SV: Scala vestibule

TIRF: Total internal reflection fluorescens