

## Supplementary Materials

# Branched-Chain Fatty Acids as Mediators of the Activation of Hepatic Peroxisome Proliferator-Activated Receptor Alpha by a Fungal Lipid Extract

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### Supplementary Table S1

Characteristics of gene-specific primers used for qPCR analysis.

Gene	Forward Primer (3'-5')	Reverse Primer (3'-5')	Product length (bp)	T <sub>m</sub> (°C)	NCBI GenBank
<i>Reference genes</i>					
ACTB	GACCTCTATGCCAACACAGT	CACCAATCCACACAGAGTAC	154	60	NM_031144
ATP5B	GCACCGTCAGAACTATTGCT	GAATTCAGGAGCCTCAGCAT	203	60	NM_134364
CANX	CCAGATGCAGATCTGAAGAC	CTGGGTCCTCAATTTACGT	175	60	NM_172008
MDH1	CAGACAAAGAAGAGGTTGCC	CGTCAGGCAGTTTGTATTGG	206	60	NM_033235

RPL13	CTTAAATTGGCCACGCAGCT	CTTCTCAACGTCTTGCTCTG	198	60	NM_031101
TOP1	GAAGAACGCTATCCAGAAGG	GCTTTGGGACTCAGCTTCAT	137	60	NM_022615
<i>Target genes</i>					
ACOX1	CTGGGCTGAAGGCTTTTACT	GCTGTCTGCAGCATCATAAC	172	60	NM_017340
CPT1A	GCAAAGTGTCCGCAGACCT	CATCTTCCATGCAGCAGGGA	170	60	NM_031559
CYP4A1	CAGAATGGAGAATGGGGACAGC	TGAGAAGGGCAGGAATGAGTGG	460	60	NM_175837
SLC22A5	GAACTCACGAGCCTCGCACGC	TCGTCTAGTCCCGCATGCC	117	60	NM_019269

Abbreviations: ACTB, actin, beta; ATP5B, ATP synthase, H<sup>+</sup> transporting, mitochondrial F1 complex, beta polypeptide; CANX, calnexin; MDH1, malate dehydrogenase 1, NAD (soluble); RPL13, ribosomal protein 13; TOP1, topoisomerase (DNA) I; ACOX1, acyl-CoA oxidase; CPT1A, carnitine-palmitoyltransferase 1A; CYP4A1, cytochrome P450 4A1; SLC22A5, solute carrier family 22 (organic cation/carnitine transporter), member 5