

Supplementary Table S4. Content of skeletal muscle palmitoyl (C16:0-) and oleoyl (C18:1-) long-chain acyl- carnitine (LC~~Aeyl~~-AC) in skeletal muscle of rats with HFD-induced insulin resistance and under metformin treatment (HFD/Met).

Aeyl - <u>LC</u> AC	Control	HFD	HFD/Met
C16:0[#]	33.54±5.59	21.98±3.52 ^a	29.25±5.98*
C18:1	17.87±3.80	11.62±3.43 ^a	15.78±2.78*

Values are mean (pmol/mg) +/- SD (n=8 for each group), p<0.05; a -vs C; *- vs HFD; # - lipid species with measured FSR