



Supplementary Figure S3. Metformin treatment restores balance between acyl-carnitine and acyl-CoA synthesis rates in skeletal muscle of HFD-fed animals. Decrease in respective FSR ratio observed in HFD animals suggest mismatch between the rate of acyl-carnitine synthesis in mitochondria (rate of mitochondrial FA uptake) and myocellular acyl-CoA synthesis (rate of cellular FA uptake). HFD-high-fat diet; HFD/Met-metformin treated. Values are mean \pm SD (n=8 for each group). $p < 0.05$ versus: a- vs. Control group; *- vs. HFD group.