

Supplementary Figures

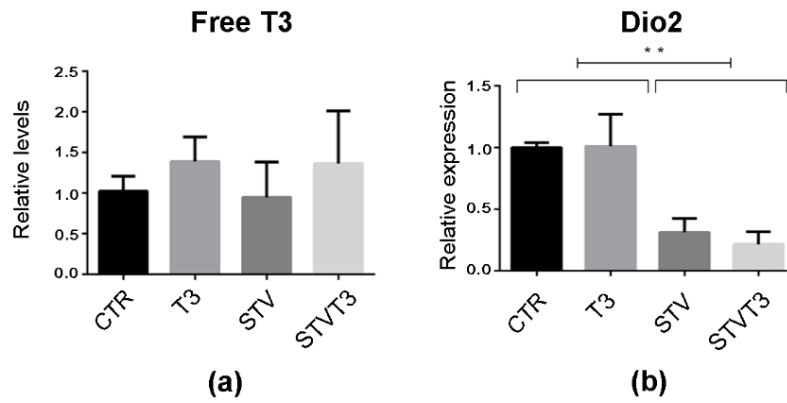


Figure S1: Thyroid hormone treatment does not affect circulating T3 levels or Dio2 expression in skeletal muscle. **(a)** Quantification of free T3 serum levels by ELISA assay, 48 hours after treatments. $n=4$ mice per each condition. Data are presented as means \pm SD. **(b)** Dio2 mRNA expression by real time PCR, 24 hours after treatments. $n=4$ mice per each condition. Data are presented as means \pm SD; STV has a significant effect: ** $p < 0.0001$ by two-way ANOVA.

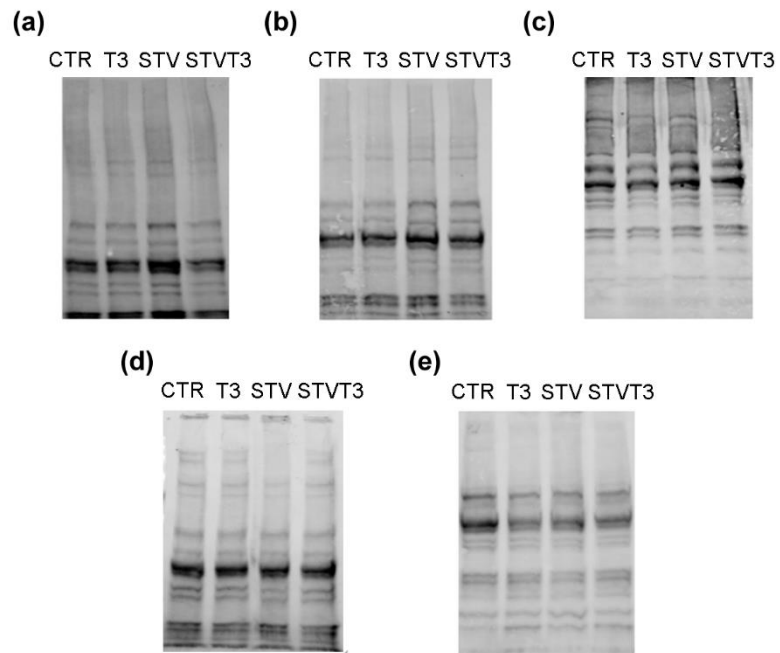


Figure S2: Stain-free blot membranes. (a) pFOXO3a and pAKT membrane; (b) FOXO3a and AKT membrane; (c) LC3 and p62 membrane; (d) Puromycin membrane; (e) TOM20 and PGC-1 α membrane.

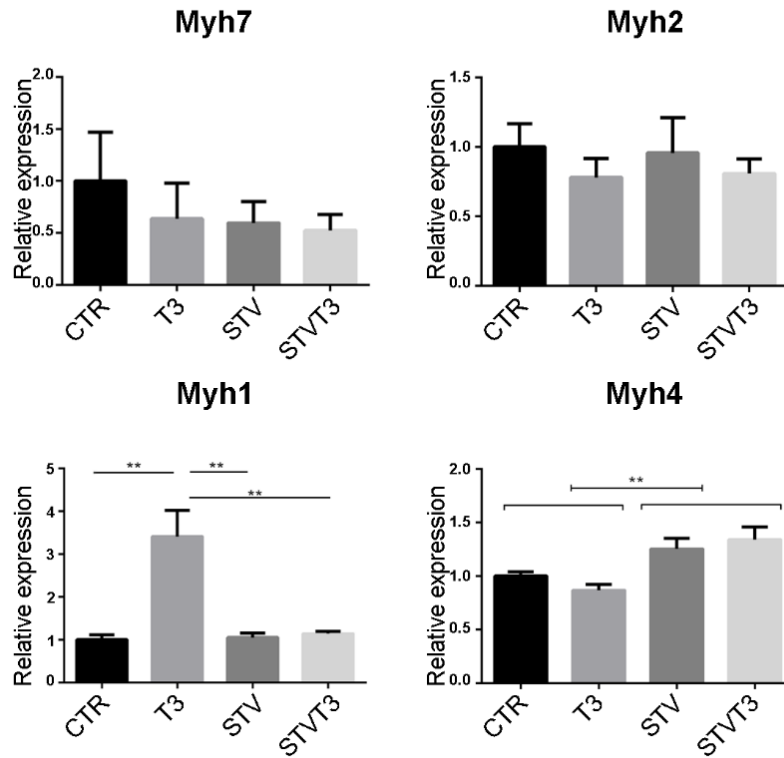


Figure S3: Metabolic shift does not correlate with changes in myosin heavy chain expression. Expression levels of indicated myosin heavy chain genes in TA, 24 hours after treatments. n=6 mice per each condition. Data are presented as means \pm SD. For Myh1: T3 has a significant effect ($p < 0.0001$); STV has a significant effect ($p = 0.0001$); and the two variables significantly interact ($p = 0.0001$) by two-way ANOVA; ** $p < 0.01$ by post-hoc Tukey's HSD test. For Myh4: STV has a significant effect ($p = 0.0007$) by two-way ANOVA.