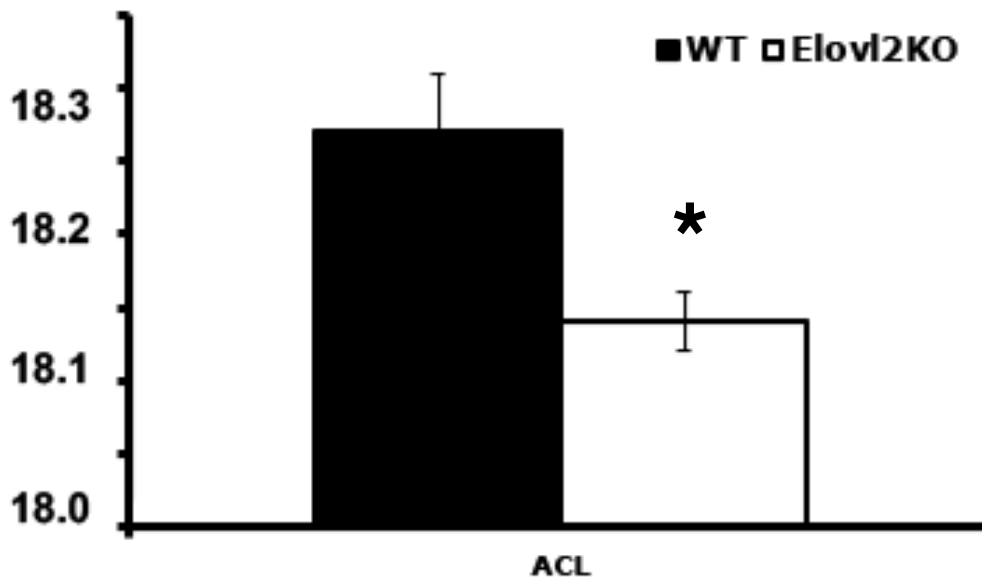


Acyl chain lenght

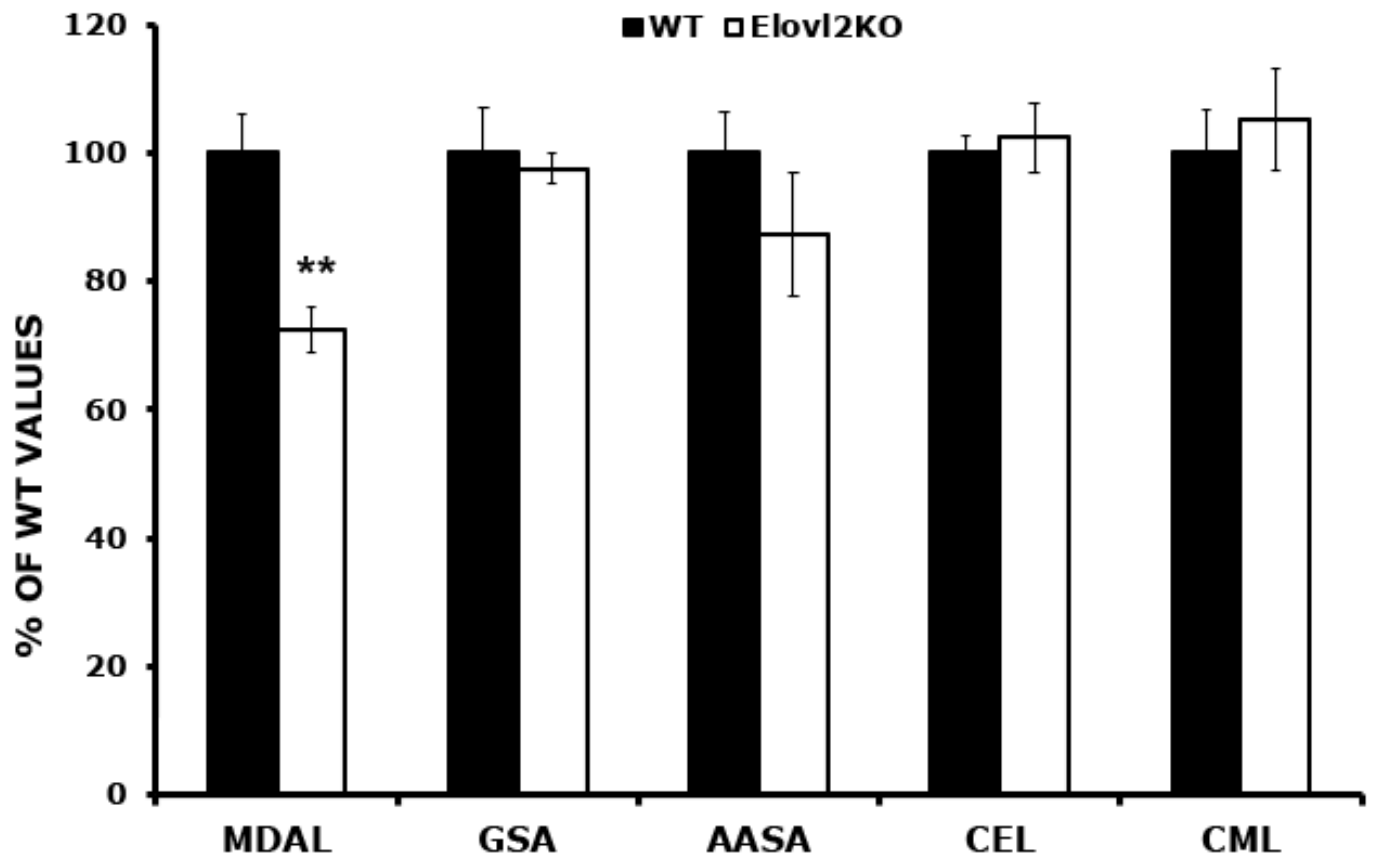


Supplementary Figure 1

Acyl chain length (ACL) of mitochondrial fatty acids from wild-type and Elovl2 KO mice. For calculation of ACL value (number of carbon atoms), see the Materials and Methods section.

Values are means \pm SEM from 6 different mitochondrial preparation for each mouse genotype. Significant differences are shown between wild-type and Elovl2 KO mice: * $P < 0.05$.

Relative amount oxidative damage markers



Supplementary Figure 2

Lipoxidation (MDAL), protein oxidation (GSA, AASA), and glycoxidation (CEL, CML) indicators in liver mitochondria from WT and Elovl2 KO mice.

Values are means \pm SEM from 6 different mitochondrial preparation for each mouse genotype and expressed as a percentage of wild-type animals. Absolute values are presented in Figure 3. Significant differences are shown between wild-type and Elovl2 KO mice, ** $P < 0.01$.