

Supplemental Figure S1

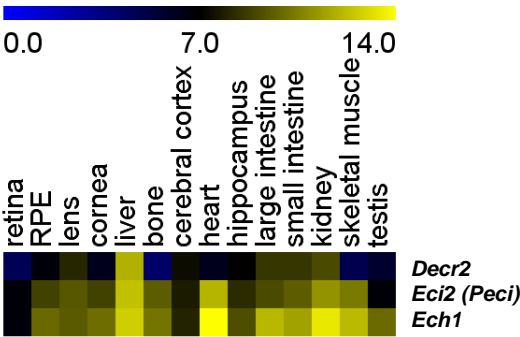


Fig. S1 Relative expression of key peroxisomal enzymes required for completion of β -oxidation of DHA and other PUFA in various mouse tissues. Microarray expression analysis using the database GSE10246 showing relative expression of *Decr2*: 2,4, Di-enoyl CoA reductase, *Eci2/Peci*: Peroxisomal Δ^3,Δ^2 -enoyl-CoA isomerase, and *Ech1*: $\Delta^3,5\Delta^2,4$ -dienoyl-CoA isomerase. Sequential activity of DECR2 and PECL is specifically required after the initial ACOX1- mediated desaturation of CoA esters of PUFA during the first round of β -oxidation in peroxisomes, and prior to subsequent β -oxidation reactions.