Supplementary Materials

**Figure S1.** Serum lipid changes showing at least one significant inter-group difference. Significance differences include \(p\)-values < 0.05 for a vs. Veh, b vs. Folfiri, c vs. ACVR2B/Fc. Metabolites designated as LysoPCA are lysophospholipids. The numbers indicate the total number of carbons and number of unsaturated bonds separated by a period. Glycerophosphochlines are designated with PCaa indicating that the fatty acids at the sn-1 and sn-2 positions are bound via ester linkages or PCae indicating that one of the
fatty acids is bound via an ether linkage. SM indicates sphingomyelins. Significance differences include $p$-values < 0.05 for a vs. Veh, b vs. Folfiri, c vs. ACVR2B/Fc.

**Figure S2.** Acylcarnitines from skeletal muscle extract showing at least one significant inter-group difference. Significance differences include $p$-values < 0.05 for a vs. Veh, b vs. Folfiri, c vs. ACVR2B/Fc. C2, acetylcarnitine; C5, valerylcarnitine; C5.1, tiglylcarnitine; C12-DC, dodecanedioylcarnitine.
Figure S3. Lipid metabolites from skeletal muscle extracts showing at least one significant inter-group difference. Lipid designations are as described for Supplemental Figure 2. Acylcarnitines from skeletal muscle extract. Significance differences include p-values < 0.05 for a vs. Veh, b vs. Folfiri, c vs. ACVR2B/Fc. C2, acetylcarnitine; C5, valerylcarnitine; C5.1, tiglylcarnitine; C12-DC, dodecanedioylcarnitine.