Figure S1. Differential expressions of marker genes in slow-twitch/oxidative (soleus) and fast-twitch/glycolytic (plantaris) muscle fibers. (*A*) Preferential expression of troponin C2 and myosin heavy chain type IIB (MHCIIB) transcripts in isolated plantaris relative to soleus (n=5). (*B*) Preferential expression of calmodulin 2 (CalM2) and myoglobin in soleus relative to plantaris (n=5). (*C*) Exercise (via access to a running wheel for 2 weeks) reduced the expression of three marker genes for fast-twitch fiber (troponin C2, MHCIIB, and MyoH4) due to exercise-induced muscle fiber type switching (n=5). Control mice had only access to a locked wheel (n=5). All qPCR data were normalized to 18S rRNA and shown as mean $\pm$ SE (*$p<0.05$; **$p<0.01$; ***$p<0.005$).
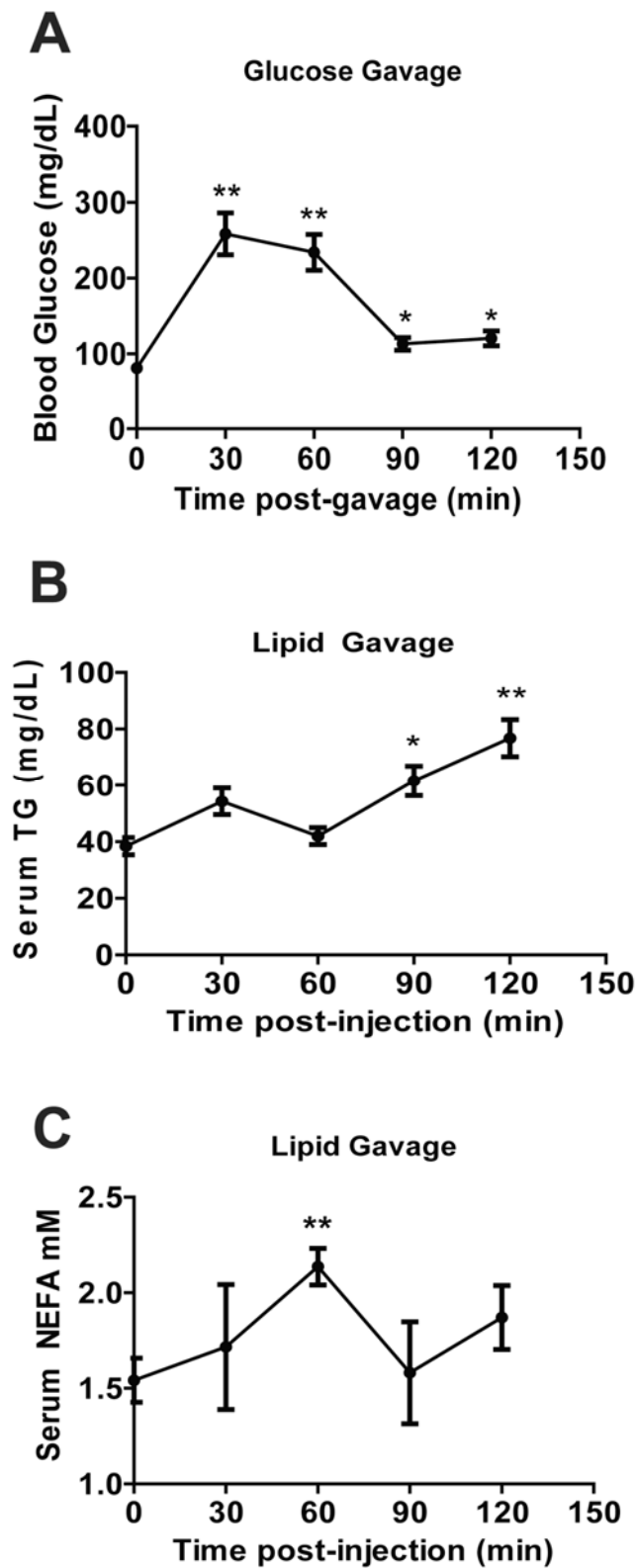
Figure S2. Blood glucose (A), serum triglyceride (B) and NEFA (C) concentrations in mice gavaged with glucose (A) or emulsified intralipid (B-C). All data were expressed as mean $\pm$ SE (*$p<0.05$; **$p<0.01$).