**Supplementary figure 3.** IDE, IRβ, pAkt and p-AMPK protein expression and respective representative figures from liver (A, D, G and J), gastrocnemius skeletal muscle (B, E, H and K) and perigonadal adipose tissue (C, F, I and L). Control (CTL), obese (DIO) and obese exercised (DIO+EXE) mice. Data are presented as the mean ± S.E.M., n = 6-8. Figures A-F and J-K *p<0.05 vs control; #p<0.05 vs DIO mice; figures G-I §p<0.05 vs saline control *p<0.05 vs insulin control; #p<0.05 vs insulin DIO mice.