



**Supplementary Figure S1. Pioglitazone increases insulin positive area but does not alter circulating glucose or insulin concentrations in lean normoglycemic mice.** Body mass (a) and blood glucose (b) are not altered by 11 days of oral pioglitazone intervention. Insulin tolerance test (c) and glucose area under the curve (Glucose AUC) analysis (d) reveals no change in insulin sensitivity in lean mice administered pioglitazone. Circulating insulin (e) is also unchanged. Insulin positive area (f), islet fraction (g), major axis length (h), minor axis length (i), and representative images (j) were collected using formalin-fixed paraffin-embedded pancreatic tissue.

**\*\***,  $p < 0.01$ ; **\*\*\***,  $p < 0.001$ ; n.s., not significant.