



Supplementary Fig. 1. Vascular changes in the diabetic pigs. Optical coherence tomography images of the epicardial coronary arteries of diabetic and control pigs at 8 weeks showed no difference in lumen diameter. By contrast, diabetic pigs had a significantly smaller capillary diameter, more irregularity and disconnection. In cardiac magnet resonance imaging, diabetic pigs had lower myocardial perfusion suggesting that the microvasculopathy is the main cause for decreased myocardial perfusion at the early stages of diabetes.