



Supplementary Figure 5. Ingenuity pathway analysis (IPA) derived top canonical pathways next-generation sequencing (NGS)-based differential gene expression (FPKM, $p < 0.05$, $n = 4$). (A) In BAT mitochondrial dysfunction and insulin receptor signalling were significant top canonical pathways in anti-miR-224 and anti-miR-452 treated BAT respectively. (B) In anti-miR-224 treated WAT tissue, AMPK signalling (regulates adipocyte metabolism) and STAT3 (controls lipogenesis and adipocyte hypertrophy) were affected, while anti-miR-452 treatment affected the HIPPO-pathway (adipocyte differentiation) and insulin receptor signalling.