

**SUPPLEMENTARY FIG. S2.** Loss of *Sirt2* makes mitochondria rounder and smaller relative to controls. Wild-type and Sirt2<sup>-/-</sup> brain sections from the neocortex of isogenic, 24 month-old mice were prepared and subjected to electron microscopy. Representative images are shown. *Asterisks* indicate the position of mitochondria. Scale bar: 3  $\mu$ m.