Mander's co-localisation co-efficient for adiponectin association with Cav1 (A) or Cav1 association with adiponectin (B) in mature 3T3-L1 adipocytes was calculated for 25 cells treated with vehicle control, 16 cells treated with adrenalin and 15 cells treated with insulin. For the vehicle treated cell images, the Cav1 image was also rotated 5° relative to the adiponectin image and Mander's co-localisation co-efficients were calculated to determine the values that would be expected for random associations of the signals in the two images. Values are presented as the mean ± SEM for images acquired in two independent experiments.