Supplementary Figure 2. Bioactivity of plasmids expressing constitutively active G12V-Cdc42 (pCdc42ca) or dominant negative T17N-Cdc42 (pCdc42dn).

Mutant plasmids were transfected into wild type mouse embryonic fibroblasts (MEFs). Cultures were double labeled for F-actin (phalloidin) or antibody against the HA epitope tag on mutant Cdc42. The same field (a, b or c, d) is shown at two different fluorescence wavelengths. (a, b) The pCdc42ca expressing MEF (arrow) shows reduced actin stress fibers. (c, d) The pCdc42dn expressing MEFs (arrows) are rounded up, showing reduced ability to flatten out and elaborate lamellipodia. These are expected morphological effects of ca and dn forms of Cdc42 in fibroblasts.

Yang, W., Lin, Q., Zhao, J., Guan, J. L. & Cerione, R. A. The nonreceptor tyrosine kinase ACK2, a specific target for Cdc42 and a negative regulator of cell growth and focal adhesion complexes. *J Biol Chem* **276**, 43987-93 (2001);