Supplementary Fig. 5: siRNA treated neurons expressed near-normal levels of activatable BDNF receptor but were unable to form axons a) Triple immunofluorescence micrographs showing the distribution of TrkB (red), tyrosinated α-tubulin (blue), and IGF-1R siRNA (green) in hippocampal pyramidal neurons (24 h in culture, in the presence of 50 ng/ml BDNF). Calibration, 15 μm. b) Phosphotyrosine immunoprecipitates were prepared from hippocampal pyramidal neurons cultured in control conditions (Control) or in the presence of 50 ng/ml BDNF (+BDNF). Blots were probed with TrkB antibody. IP, immunoprecipitate; SN, supernatant. A substantial increment in immunoprecipitated TrkB is evident in cells stimulated with BDNF.