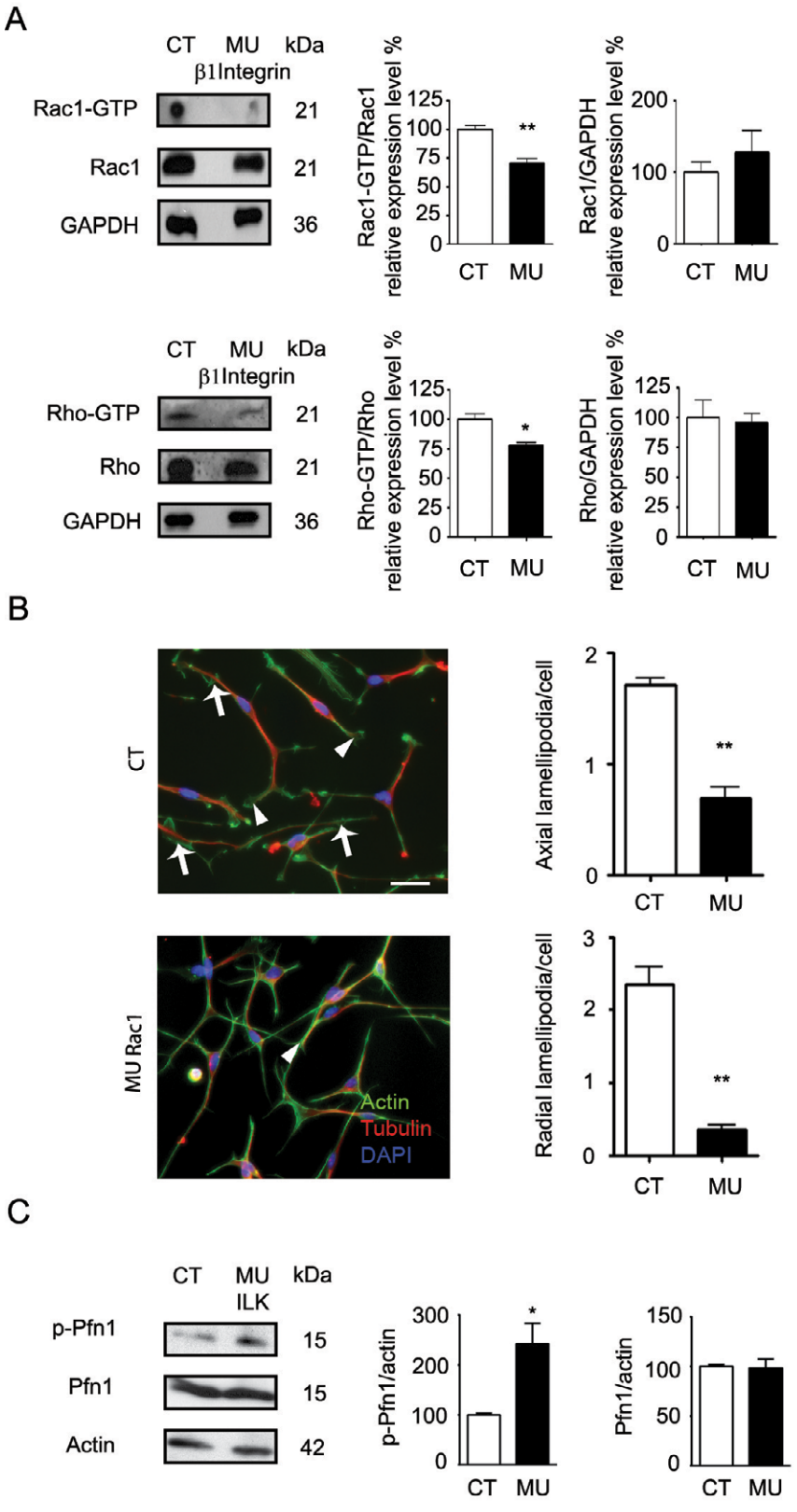

Fig. S1. Integrin-β1/rac1 promotes SC lamellipodia formation. (A) Reduced rac1 activation (*n*=3, *P*=0.003) and rho activation (*n*=3, *P*=0.0103) in protein lysates obtained from P5 integrin-β1 mutant sciatic nerves. Total rac1 (*n*=3, *P*=0.4445) and total rho (*n*=3, *P*=0.7767) were not significantly changed. (B) Immunocytochemistry reveals the cytoskeleton of rac1 mutant and control SCs. The number of radial (arrows) (*n*=3, *P*=0.0013) and axial lamellipodia (arrow heads) (*n*=3, *P*=0.0012) is significantly reduced compared to controls. Error bars indicate±s.e.m. **P*<0.05; ***P*<0.005. Bar, 20 µm. (C) Increased phospho-Pfn1 in protein lysates from P14 sciatic nerves of *Ilk* mutant mice (*n*=3 CT and MU mice, *P*=0.028) compared with those of controls (*n*=3 CT and MU mice, *P*=0.028). Total levels of Pfn1 are not significantly changed (*n*=3 CT and MU mice, *P*=0.8736).