Differential Effects of RGK Proteins on L-Type Channel Function in Adult Mouse Skeletal Muscle

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Supporting Material

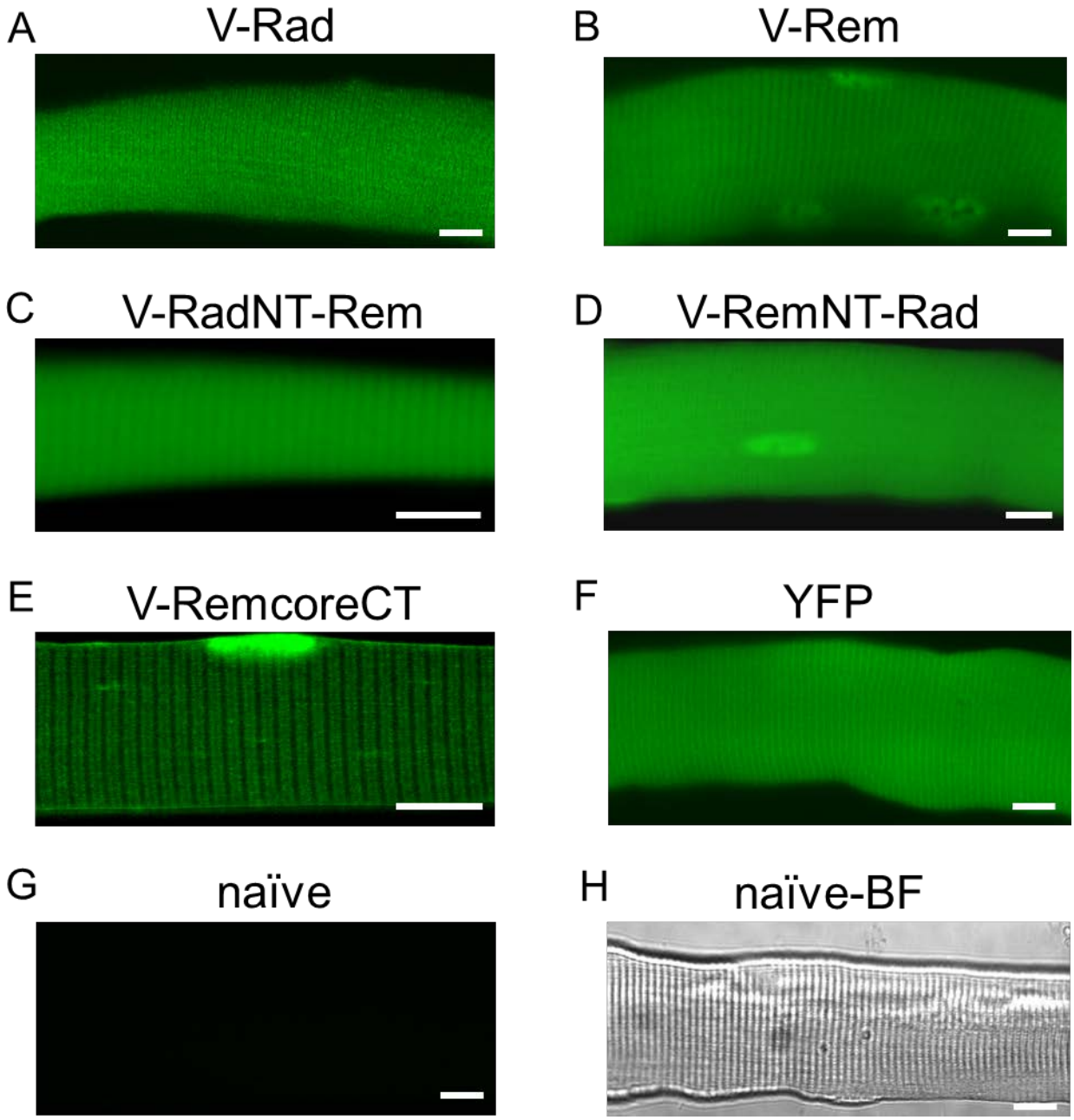

FIGURE S1 Exogenous expression of V-Rad and V-Rem constructs in FDB fibers transfected via *in vivo* electroporation. Confocal fluorescence images of live, intact FDB fibers overexpressing V-Rad, V-Rem, V-RadNT-Rem, V-RemNT-Rad and YFP are shown as labelled in panels (*A*-*F*). Fluorescence and brightfield images of a naïve fiber are shown in panels (*G* and *H*), respectively. The image in (*G*) was acquired with identical laser settings as the image in (*A*). FDB fibers were examined in Rodent Ringer's solution using an LSM 510 META confocal microscope (Zeiss, Thornwood, NY). Venus was excited with the 488-nm line of an argon laser (30-milliwatt maximum output, operated at 50% or 6.3A and attenuated to 5%) which was directed to the cell via a UV/488/543/633 nm quad dichroic mirror. The emitted Venus fluorescence was directed to a photomultiplier equipped with a 505-530 band pass filter. Bars-10 μm.