Supplemental Files

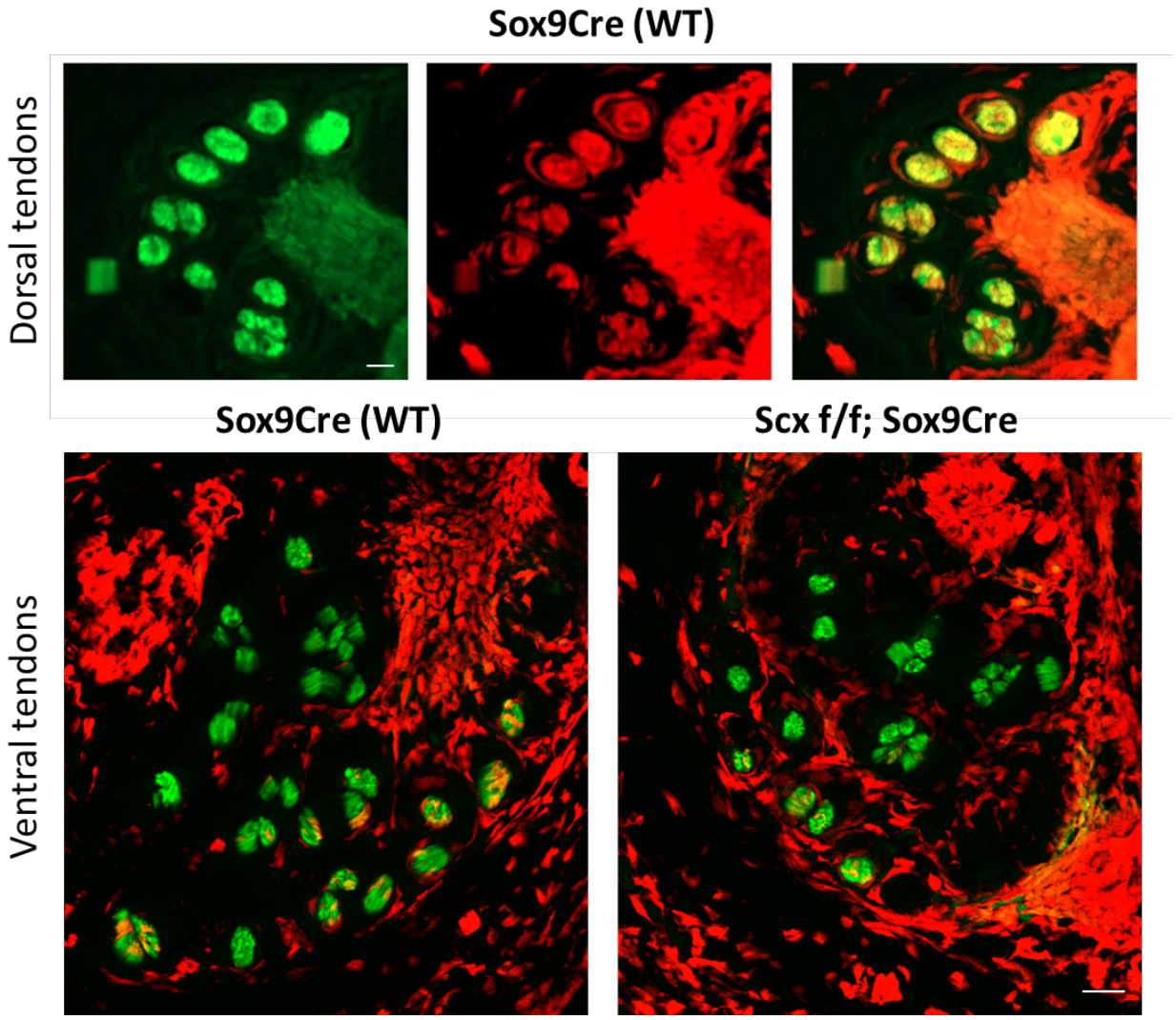

Figure S1: Lineage tracing reveals distinct contribution of *Sox9^{lin}* cells to dorsal and ventral tail tendons. Transverse sections through *Sox9^{Cre}; RosaT; ScxGFP* tails at E16.5 show that dorsal tail tendons are almost completely composed of *Sox9^{lin}* cells while ventral tail tendons are composed of a mixture of *Sox9^{lin}* and non-*Sox9^{lin}* cells. Transverse sections through *Scx^{Sox9Cre}; RosaT; ScxGFP* tails also show that mutant and wild type ventral tendons are similar in size. Scalebars: 25 μm.

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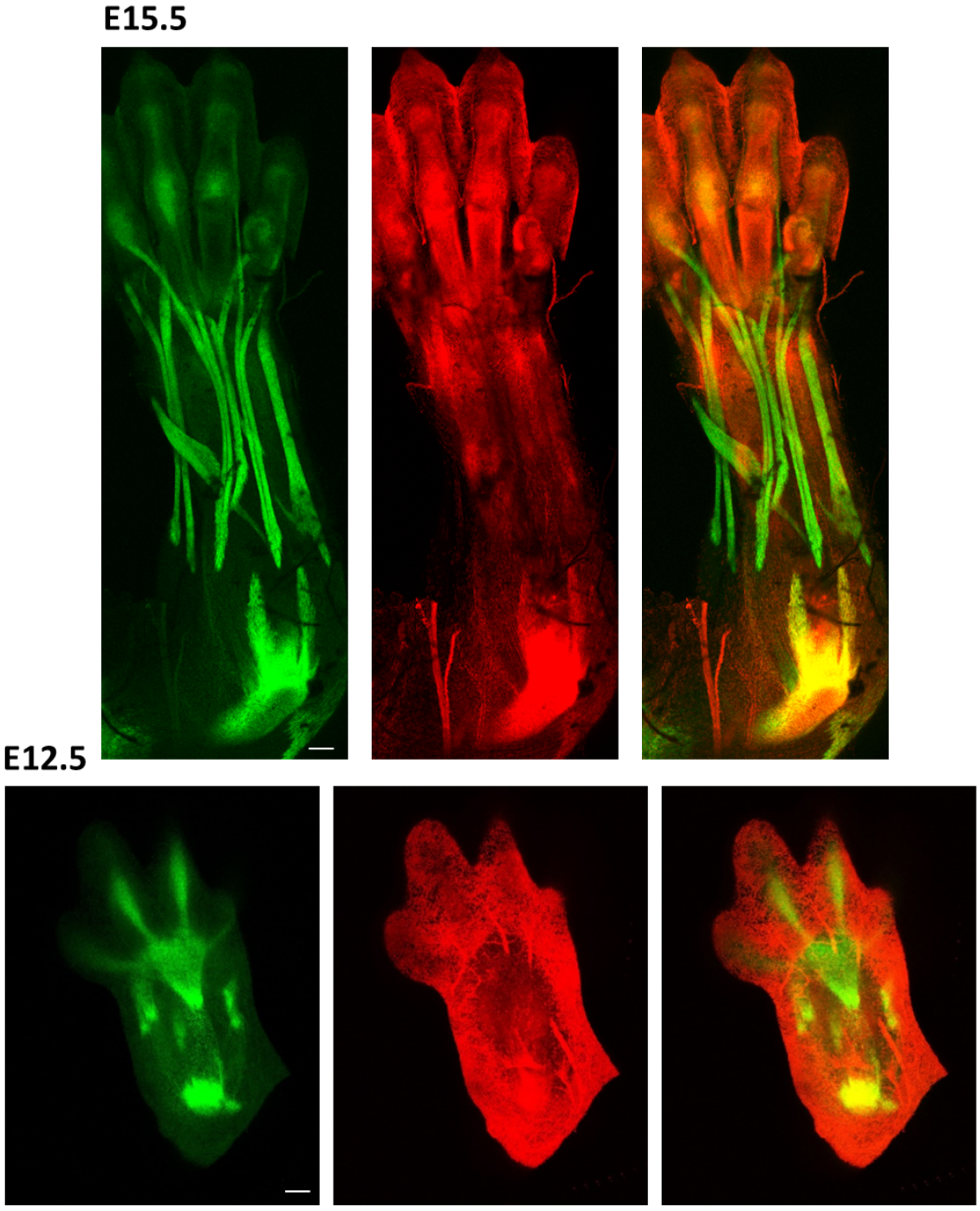

Figure S2: Unprocessed *Sox9^{Cre}; RosaT; ScxGFP* limbs at E15.5. Maximum projection images obtained from whole mount confocal microscopy shows overwhelming *RosaT* signal that is not restricted to tendon cells. Scalebars: 200 µm.

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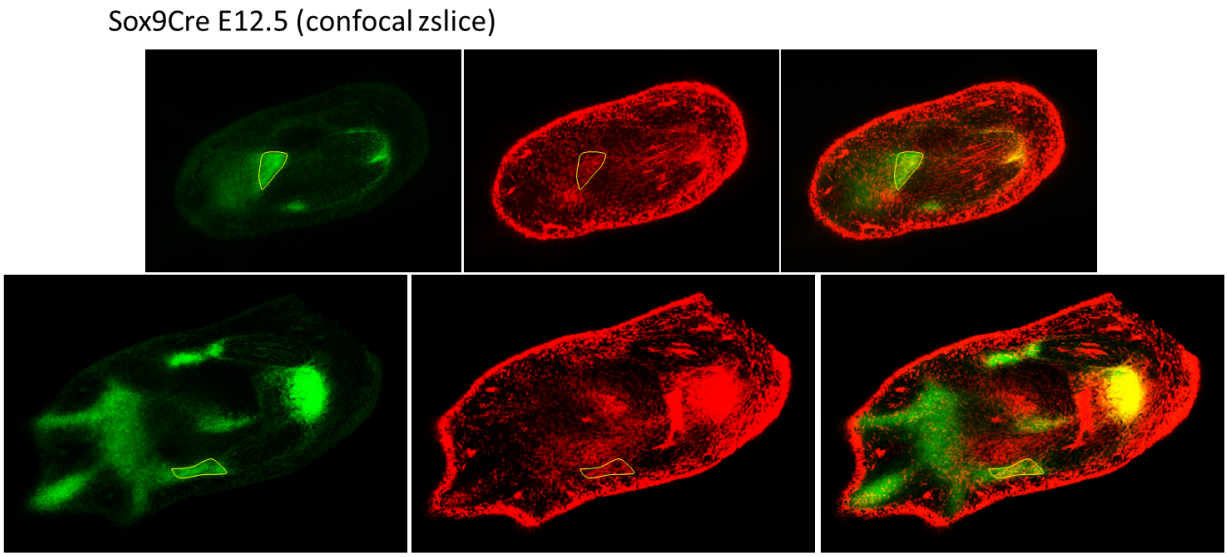

Figure S3: Unprocessed *Sox9^{Cre}; RosaT; ScxGFP* limbs at E12.5. Optical sections through the limb show concentration of *Sox9^{lin}* cells in short-range tendons near the wrist.

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