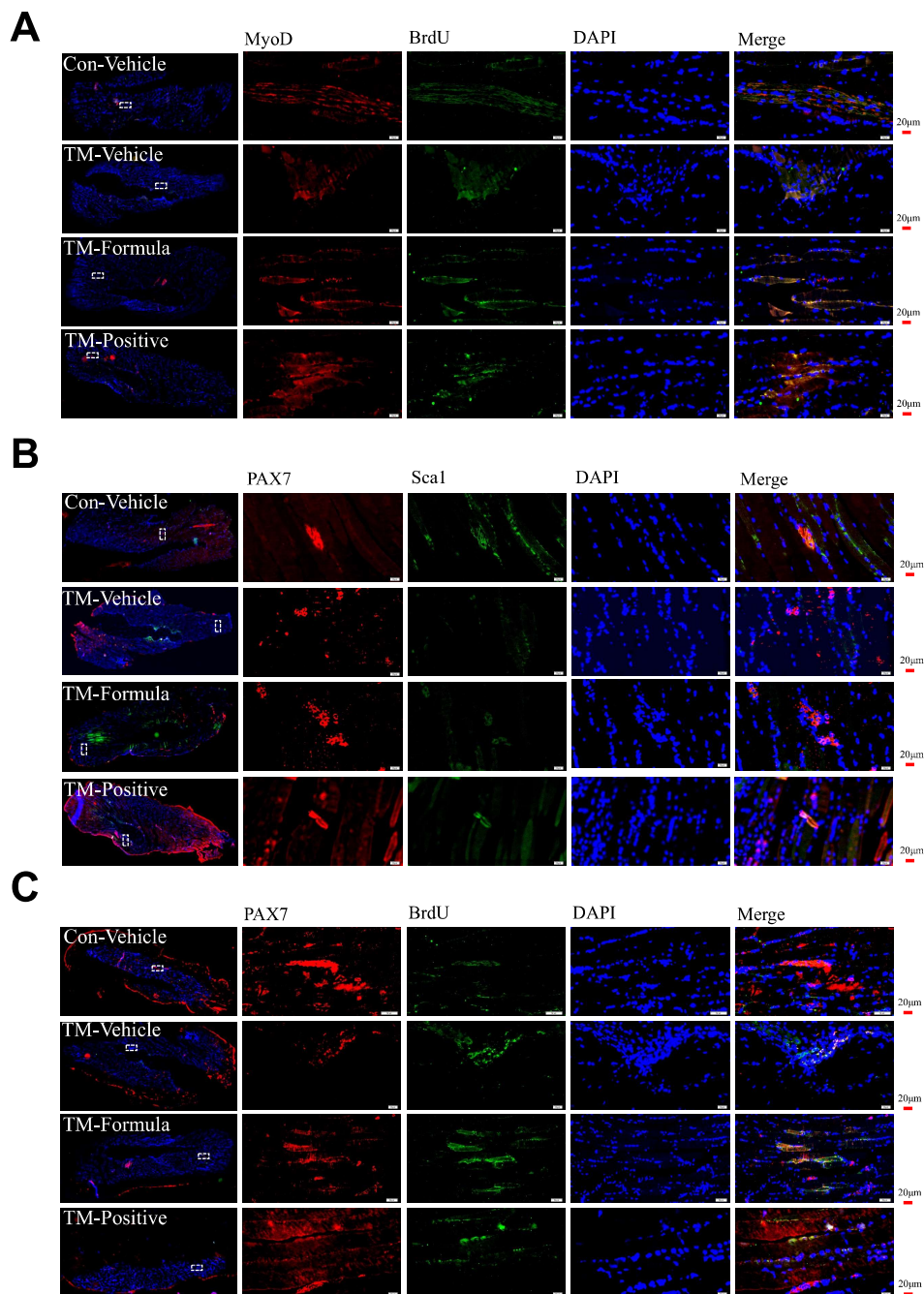


Supplemental figure 1

Supplemental figure 1 | (A) Through the Micro-CT detection of the tibia, it was found that Pax7-Cre^{ERT2/+}; β -catenin^{fx/fx} transgenic mice decreased bone mass. (B) Pax7-Cre^{ERT2/+}; β -catenin^{fx/fx} transgenic mice have significantly lower BMD than β -catenin^{fx/fx} transgenic mice, ** $P < 0.01$; Also, BV/TV, Conn-Dens and Tb.N is also lower than β -catenin^{fx/fx} transgenic mice, * $P < 0.05$.



Supplemental figure 2

Supplemental figure 2 | ISTKF mediates β -catenin to regulate SMSCs to promote myogenic differentiation. (A) Immunofluorescence staining (MyoD+BrdU) of the posterior tibial muscle on the model side at 14 dpf. Bar, 20 μ m. (B) Immunofluorescence staining (Pax7+Sca1) of the posterior tibial muscle on the modeled side at 14 dpf.. Bar, 20 μ m. (C) Immunofluorescence staining (Pax7+BrdU) of the posterior tibial muscle on the modeled side at 14 dpf.. Bar, 20 μ m. ISTKF can effectively promote the proliferation activity of SMSCs in skeletal muscle.