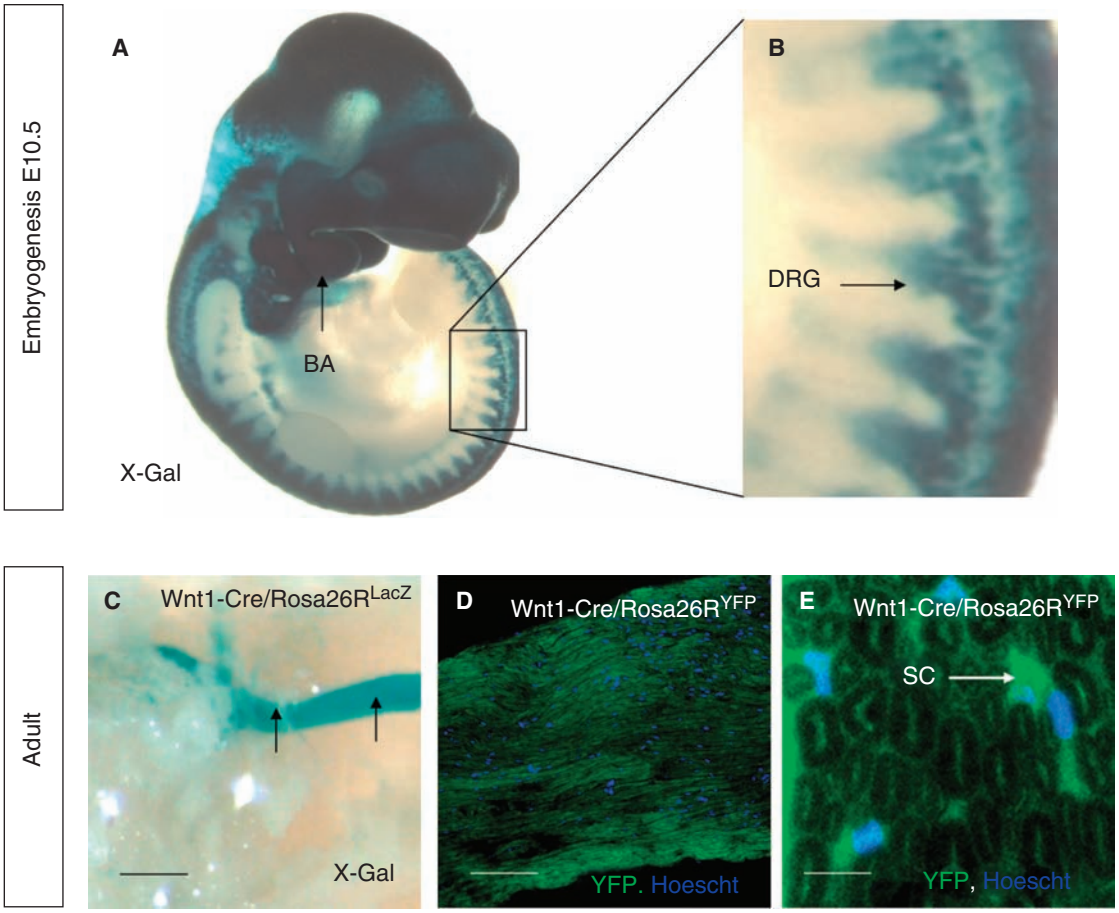
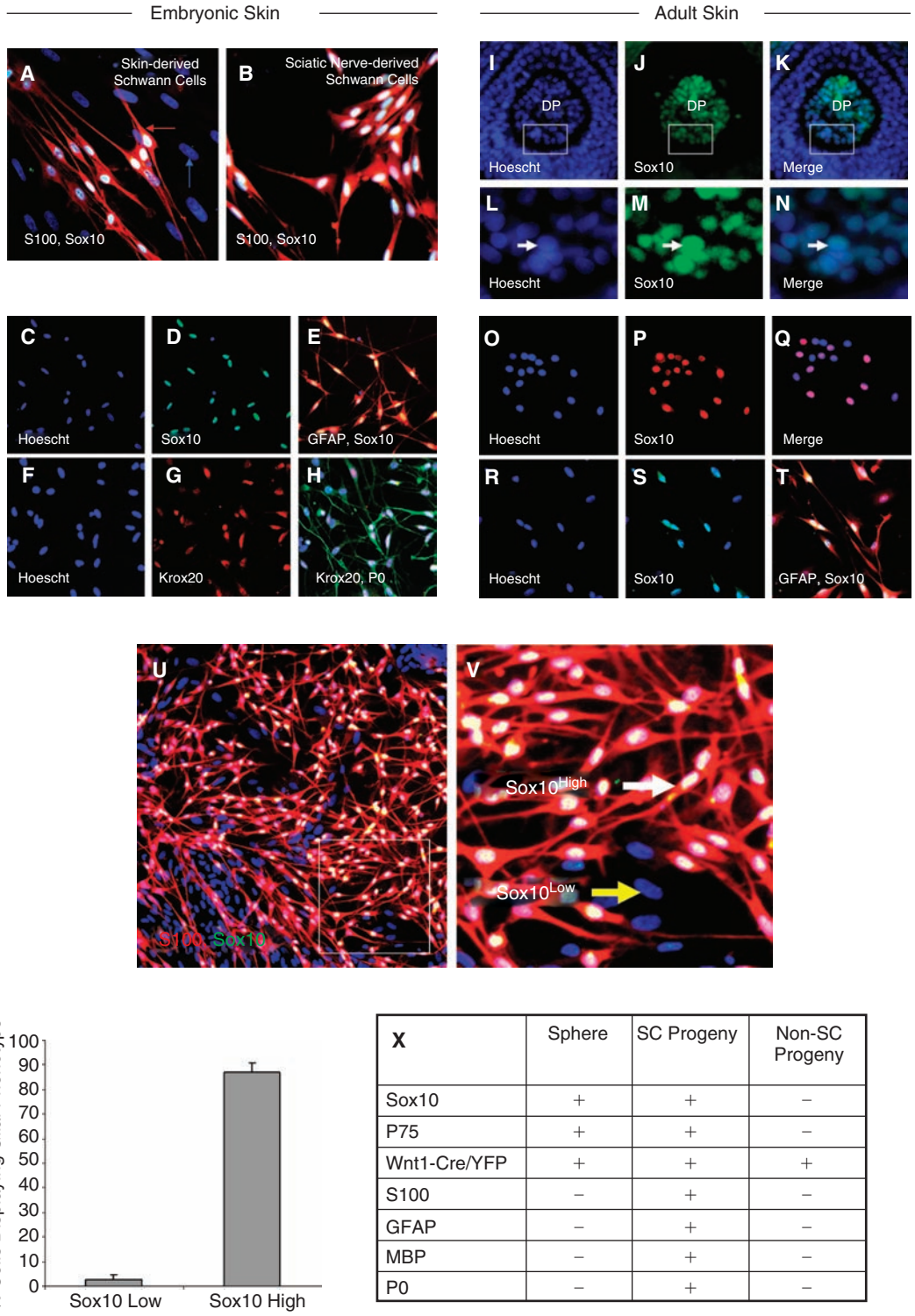


SUPPLEMENTARY FIG. 1. Transgene expression is observed in neural crest-derived structures of the developing and adult Wnt1-Cre/Rosa26R^{YFP} and Wnt1-Cre/Rosa26R^{LacZ} mouse. (**A**) X-Gal staining of Wnt1-Cre/Rosa26R^{LacZ} mouse at embryonic day 10.5. Transgene expression is detected in branchial arches (BA) and in developing dorsal root ganglia (DRG) (inset **B**). (**C**) In the adult mouse, strong transgene expression is detected in spinal roots and peripheral nerve (black arrow). (**D**) YFP expression is seen in longitudinal section of peripheral nerve of Wnt1-Cre/Rosa26R^{YFP} mice. (**E**) YFP expression is seen in Schwann cells (SC) of sciatic nerve in transverse section.



X	Sphere	SC Progeny	Non-SC Progeny
Sox10	+	+	–
P75	+	+	–
Wnt1-Cre/YFP	+	+	+
S100	–	+	–
GFAP	–	+	–
MBP	–	+	–
P0	–	+	–

SUPPLEMENTARY FIG. 2. Sox10 expression in neural crest skin-derived precursor cells (SKPs) and phenotype of SKP-derived Schwann cells. (**A**) S100 (red) and Sox10 (green) expression in cells with a Schwann cell phenotype generated from E16 rat SKPs. Sox10 expression is maintained in cells with a Schwann cell phenotype and is down-regulated in other cell types. (**B**) Schwann cells derived from neonatal sciatic nerve expressing S100 and Sox10. (**C–E**) Cells with a Schwann cell phenotype derived from E16 SKPs express GFAP (red) and Sox10 (green) as well as (**F–H**) Krox 20 (red) and P0 (green). (**I–N**) Sox10 (green) expression is seen in the adult vibrissal follicle dermal papilla (DP) niche of SKPs. (**O–Q**) Adult SKPs express Sox10 (red) immediately on plating. (**R–T**) Following differentiation, Schwann cells generated from adult SKPs express GFAP (red) and Sox10 (green). (**U** and **V**) Following 3 weeks differentiation, SKP-derived Schwann cells express S100 (red) and co-express Sox10 (green). (**V:** magnified image of inset **U**). (**W**) Expression of Sox10 is associated with expression of the glial marker S100 and maintenance of a glial morphology (see text). (**X**) Summary of expression of neural crest and Schwann cell markers in undifferentiated SKP, glial and nonglial progeny.