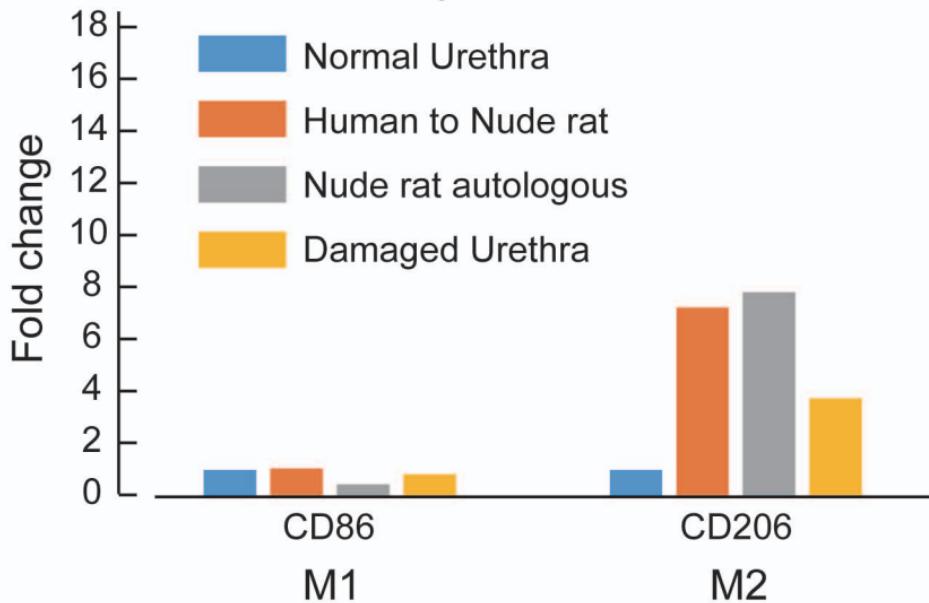


# Real-time quantitative PCR



Primer set

	Forward	Reverse
CD86	aatcccttttcgggttgtgg	gcttgccttcacaggaac
CD206	agggggtcacctggagtgtat	gctctccataagcccaatttt
HPRT	gaccgggtctgtcatgtcg	acctgggtcatcatcaactaac

HPRT was used as an endogenous control to quantify the target genes.

Table S1. Antibodies used and their conditions and purpose

	Antibodies	Dilution	Incubation	Company, City, Country	Purpose
Fluorescence activated cell sorting (FACS)					
1	CD29			BD Biosciences, San Jose, CA	Sorting of CD29+ cells
2	CD34 (RAM34)			eBioscience, San Diego, CA	Sorting of CD34+ cells
3	CD45 (30-F11)			BioLegend, San Diego, CA	Elimination of hematopoietic cells
Immunohistochemistry					
1	Mouse monoclonal anti-HNA (human nuclear antigen), clone 235-1, Cy3 conjugate	1:100	4°C overnight	Millipore, Temecula, CA	Detection of human cells
2	Rabbit polyclonal anti-neurofilament 200 (N200)	1:1000	Room temperature for 1 h	Sigma, Saint Louis, MO	Localization of nerve fibers (axons)
3	Rabbit polyclonal anti-myelin basic protein (MBP)	1:200	Room temperature for 2 h	Millipore, Billerica, MA	Detection of myelin formation
4	Mouse anti-rat endothelial cell antigen-1 (RECA-1) monoclonal antibody	1:1000	Room temperature for 2 h	Bio-Rad, Tokyo, Japan	Determination of total distribution of blood vessels
	Mouse monoclonal α-smooth muscle actin, FITC conjugate	1:1500	Room temperature for 1 h	Sigma, Saint Louis, MO	Detection of vascular smooth muscle cells
5	Rabbit anti-p75 polyclonal antibody	1:400	4°C overnight	CST, Boston, MA	Detection of immature Schwann cells
6	Mouse anti-p75 monoclonal antibody	1:100	4°C overnight	Abcam, Tokyo, Japan	Detection of immature Schwann cells, also used for cell sorting
7	Rabbit polyclonal anti-skeletal muscle actin	1:300	Room temperature for 1 h	Abcam, Tokyo, Japan	Skeletal myogenic cells (muscle fibers)
8	Secondary antibodies, Alexa Fluor-488, -594, -647-conjugated goat anti-rabbit, anti-rat, and anti-mouse antibodies	1:500	Room temperature for 2 h	Molecular Probes, Eugene, OR	Visualization of reactions
Immunoelectron microscopy					
1	Mouse monoclonal anti-HNA (human nuclear antigen), clone 235-1, biotin conjugate	1:50	4°C overnight	Millipore, Temecula, CA	Detection of human cells
2	Secondary antibody HRP-conjugated streptavidin	1:200	Room temperature for 1 h	DAKO, Tokyo, Japan	Reaction for DAB

**Table S2. Specific primers for human cells**

No	Gene name (full name and/or typical role)	Product size (bp)	Forward primer	Reverse primer	Utilization purpose
1	<b>Angiogenin</b> (also known as ribonuclease 5, a potent stimulator of new blood vessels through the process of angiogenesis)	206	CCTGACCTCACCCCTGCAAAGA C	ACGTTTCTGAACCCCGCTGT G	Angiogenesis-related growth factors
2	<b>IGFBP3</b> (insulin-like growth factor-binding protein 3)	378	TGTCTGATCCAAGTTCCACC CC	AGCAGTGCACGTCCCTCCCTTC	
3	<b>MCP1</b> (monocyte chemoattractant protein-1, regulates migration and infiltration of monocytes/macrophages)	243	AGCCACCTTCATTCCCCAAG	TGGGTTTGCTTGTCCAGGTG	
4	<b>MMP9</b> (matrix metallopeptidase 9, involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development and angiogenesis)	406	TTTGAGTCGGTGGACGATG	ATCCACCACATCTGCGCCTTCA C	
5	<b>PIGF</b> (phosphatidylinositol-glycan biosynthesis class F protein)	101	GAGCACATGTTCAGCCCATCC	GTGACATTGCCGTCTCCAC	
6	<b>uPA</b> (urokinase plasminogen activator)	599	TGGTTTGCGCCATCTACAG	AAAGTCATGCCGCTTGGAG	
7	<b>VEGF</b> (vascular endothelial growth factor, vascular-related growth factor)	155	ATTGGAGCCTTGCCTTGCTG	GTCCACCAGGGTCTCGATTG	
8	<b>MyoD</b> (myogenic regulatory factors)	173	GTGCACTCCGGTCCCAAATG	CACCAACACCATGCCTCAG	Myogenic determination and differentiation marker
9	<b>Myf5</b> (myogenic regulatory factor)	417	TGAGAGAGCAGGTGGAGAAC TAC	GCCTTCTTCTTCCTGTGTATT AG	
10	<b>Myogenin</b> (myogenic regulatory factors)	150	GGGGCCAAACTTTGCAGTG	AGAGGCCCAACCCCTTTTC	
11	<b>Pax7</b> (paired box transcription factors, also known as satellite cell marker)	104	CACATGAACCCGGTCAGCAAC	GGGGAGATGGAGAACAGTCAG CCTGT	
12	<b>CNTF</b> (ciliary neurotrophic factor, peripheral nerve growth and trophic factor)	144	CAGGTGCATTTACCCCAACC	CATCCCATCAGCCTCATTGC	
13	<b>Galectin</b> (initial axonal growth regulator in peripheral nerves after axotomy)	141	CCATCGTGTGCAACAGCAAG	ATCCATCTGGCAGCTTGACG	Peripheral nerve growth and trophic factors
14	<b>GDNF</b> (glial cell-derived neurotrophic factor, peripheral nerve growth and trophic factor)	119	TTGCGATGCAGCTGAGACAAC	GGTCATCATCAAAGGCGATG G	
15	<b>p-75</b> (nerve growth factor receptor, TNFR superfamily)	184	GCACCACCGACAACCTCATC	ATGCCACTGTCGCTGTGGAG	
16	<b>Sox10</b> (transcription factor related to Schwann cell development)	154	AGGACCTATTATGCCACTC G	TACTGGCTGCTCCCAGTGTG TG	
17	<b>b-actin</b>	86	GCCGAGGACTTGATTGCAC	GGATGGCAAGGGACTTCCTG	House-keeping control gene