Table S1. Morphometric analyses of Schwann cells and axons in electron microscopy images from *N-WASp*$^{-/-}$ and control sciatic nerves

Measures	Control		*N-WASp*$^{-/-}$		*P*-value
Large caliber axons					
Axon diameter (μm)	5.49±1.16	(*n*=55)	3.65±0.71	(*n*=55)	<0.001
Axon density (1000/mm^2)	23.30±0.50	(*n*=530)	18.20±0.49	(*n*=526)	0.09
Axons/Schwann cell	1±0	(*n*=1250)	1±0	(*n*=1250)	–
Myelinated axons (%)	100	(*n*=850)	0.67±0.29	(*n*=850)	–
G-ratio	0.67±0.06	(*n*=30)	0.89±0.04	(*n*=30)	<0.001
Axons with escaped Schwann cell processes (%)	0	(*n*=150)	28.68±7.02	(*n*=150)	–
Unsorted bundles/1000 μm^2*	0	(*n*=8 fields)	1.19±0.22	(*n*=8 fields)	–
Axons in Remak bundles					
Axon diameter (μm)	0.73±0.15	(*n*=67)	0.79±0.19	(*n*=58)	0.03
Axon density (1000/mm^2)	71.60±5.21	(*n*=600)	87.30±4.68	(*n*=600)	0.64
Axons/Schwann cell	10.03±2.81	(*n*=36)	9.13±3.53	(*n*=45)	0.34

Measurements for large caliber (>2 μm) axons and small diameter Remak bundle axons were derived from sciatic nerve cross-sections obtained at P28-P34, with the exception of the quantification of unsorted bundles (*) which was performed on P5 samples. Values shown represent the mean ± s.e.m. with *P*-values determined where appropriate by Student's *t*-test.