**Suppl. Figure 1.** Light microscopy images of NMJs of EOMs (EOM; A-H) and limb muscles (Limb; I-P) from control (WT) and SOD1<sup>G93A</sup> transgenic mice (TG) at 50 days (50D) double-labeled with antibodies (green) against BDNF (A1, B1, I1, and J1), NT-4 (C1, D1, K1 and L1), NT-3 (E1, F1, M1 and N1) and GDNF (G1, H1, O1 and P1) and α-bungarotoxin (BTx, red). Notice the similar staining intensity with the same NTFs between control and SOD1<sup>G93A</sup> transgenic mice in both EOMs and limb muscles at 50 days.
**Suppl. Figure 2.** Light microscopy images of intramuscular nerve axons in EOMs (EOM) of control (WT) and SOD1<sup>G93A</sup> transgenic mice (TG) at 150 days (50D) double-
labeled with antibodies (right column, green) against BDNF (A1 and B1), NT-4 (C1 and D1), NT-3 (E1 and F1) and GDNF (G1 and H1) and neurofilament (middle column, red), and the merged images (right column). Note that nerve axons in EOMs of SOD1<sup>G93A</sup> transgenic mice co-expressed NTFs and neurofilament (arrowheads) as in controls.
**Figure 3.** Light microscopy images of intramuscular nerve axons in limb muscles (Limb) of control (WT) and SOD1\textsuperscript{G93A} transgenic mice (TG) at 150 days (150D) double-labeled with antibodies (right column, green) against BDNF (A1 and B1), NT-4 (C1 and D1), NT-3 (E1 and F1) and GDNF (G1 and H1) and neurofilament (middle column, red), and the merged images (right column). Note that in SOD1\textsuperscript{G93A} transgenic mice some axons labeled with neurofilament lacked labeling with BDNF (long thin arrow in B) and some axons labeled with NTFs lacked labeling with neurofilament (short arrows) whereas the majority of the nerve axons co-expressed NTFs and neurofilament (arrow heads).
Suppl. Figure 4. Light microscopy images of NMJs and muscle fibers of limb muscles (Limb) from control (WT; A-C; G-I) and SOD1\textsuperscript{G93A} transgenic mice (TG; D-F; J-L) at 150 days (150D) double-labeled with the antibody against nNOS (green, A, D, F) or N-CAM (green, G, J, L) and α-bungarotoxin (BTx, red, middle column and C, I). Note the
concentrated labeling at NMJs with antibodies against nNOS (arrowheads in A and C) and N-CAM (arrowheads in G and I) in control limb muscles and the absence of nNOS (arrows in D and E) and N-CAM (arrows in and K) at NMJs in limb muscles from SOD1\textsuperscript{G93A} transgenic mice at 150 days. * indicates misplaced staining of nNOS inside of the muscle fibers instead of the normal subsarcolemmal location. ** indicates examples of muscle fibers with increased N-CAM labeling.