



Supplementary Figure 2. Axial tubule fragmentation and membranous aggregation in living rabbit atrial myocytes after isolation without heparin. Bright field view and confocal image superposition showing the TAT network in a living rabbit atrial myocyte using the membrane dye Chol-PEG-KK114. Despite confocal resolution, membrane injuries are not apparent (A). In contrast, in the same rabbit atrial myocyte STED nanoscopy resolves numerous axial tubule fragmentation events (white arrowheads) (B) and large membranous aggregates containing tubule components (asterisks) (C). Dashed boxes indicate magnified regions shown in (B) and (C). N, nucleus. Scale bars 10 μm (A); 2 μm in (B) and (C).