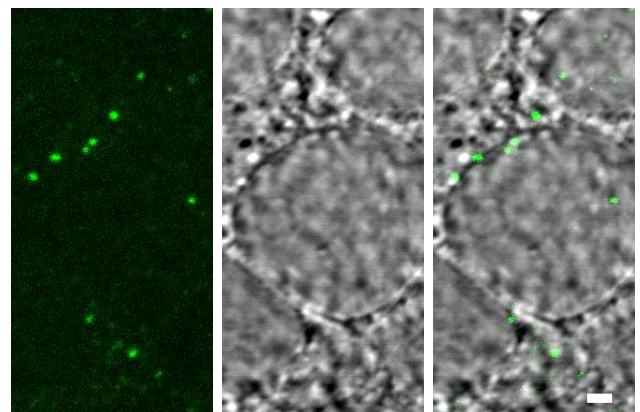
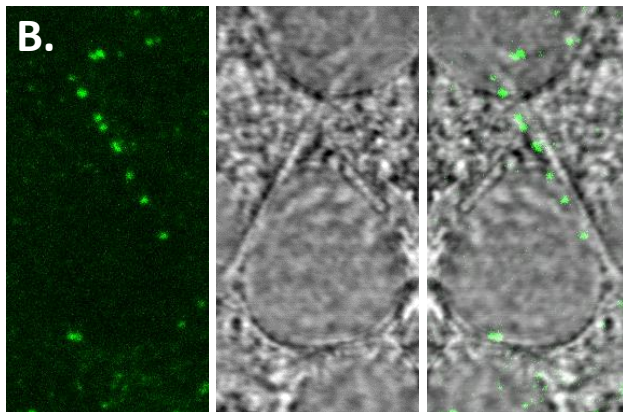
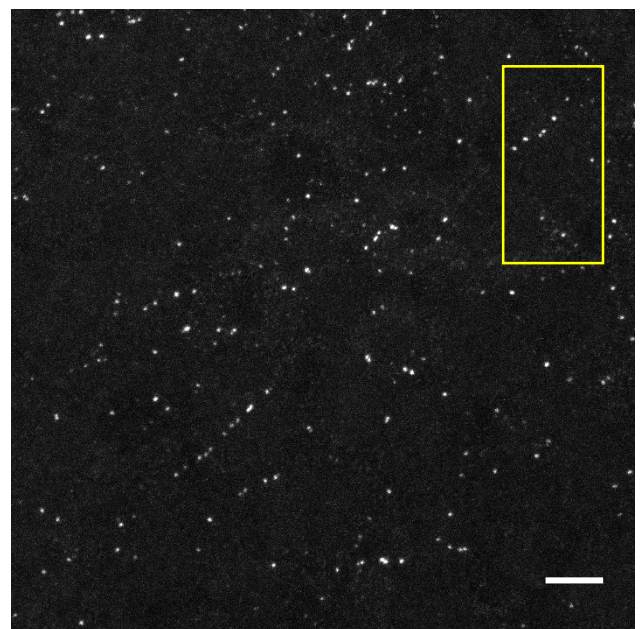
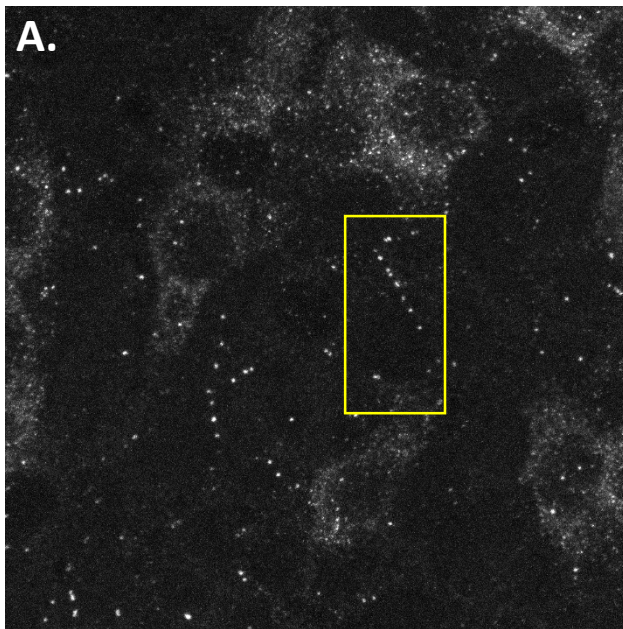


AICS000

AICS0017
Desmoplakin mEGFP
Clone 65



Immunofluorescence labeling of Desmoplakin in control hiPS cells (unedited AICS000 cells, WTC line) and edited Desmoplakin-mEGFP cells (AICS0017 clone 65, WTC line). Cells were plated on glass coated with a 1:30 Matrigel to DMEM F12 dilution. Cells were fixed and permeabilized after four days of growth with 4% Paraformaldehyde and 0.5% Triton X 100 for 15min, and labeled with anti-Desmoplakin antibody (clone 1G4; Jim Whal via Kathleen Green) diluted 1:200, followed by a 1:200 dilution of anti-mouse AlexaFluor647 (A-21236 ThermoFisher Scientific). Images represent maximum intensity projections of z-sections spanning the bottom to the top of the cell colony acquired on a laser scanning confocal microscope. A. Scale bar, 10 μ m B. Areas marked with a box from A with corresponding transmitted light image (single z in the center of the cell) and overlay to show Desmoplakin puncta localization at cell-cell boundaries. Scale bar, 1 μ m. Image system details: Zeiss LSM 880 confocal microscope and a C-Apochromat 40x/1.2 W Korr FCS M27 objective lens.