RFP signal alone

RFP and GFP signal overlay to draw ROI = ROI Area

Counting Cells with overlap of GFP and RFP signals = Edited Neurons Counting GFP+ cells in ROI =

Neurons in ROI

165_1_1_overlay_Edited Neurons.tif (50%) 165_1_1_Stardist_all Neurons in ROI.tif (50%) 165_1_1_RFP_Max_binary_red.tif (50%) 165_1_1_GFP_RFP_ROI overlay.tif (50%) 598.30x1131.82 microns (1053x1992); 8-bit; 2MB 598.30x1131.82 microns (1053x1992); 8-bit; 2MB 1053x1992 pixels; 8-bit; 2MB

Max Image Projection of 10um z-stack, Threshold = Otsu, Stardist2D to segment GFP+ neurons, particles > 40-infinity counted in ROI