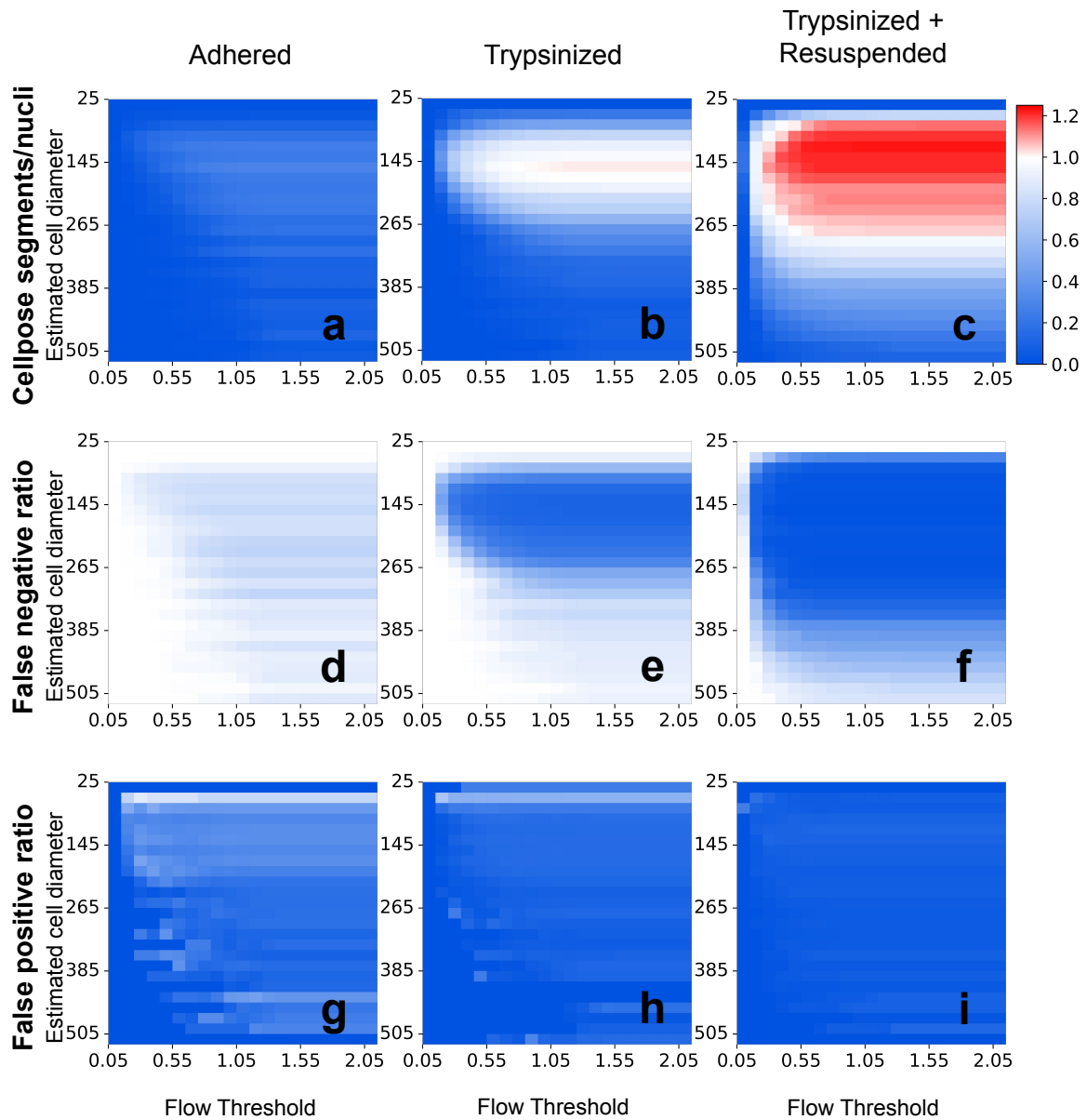
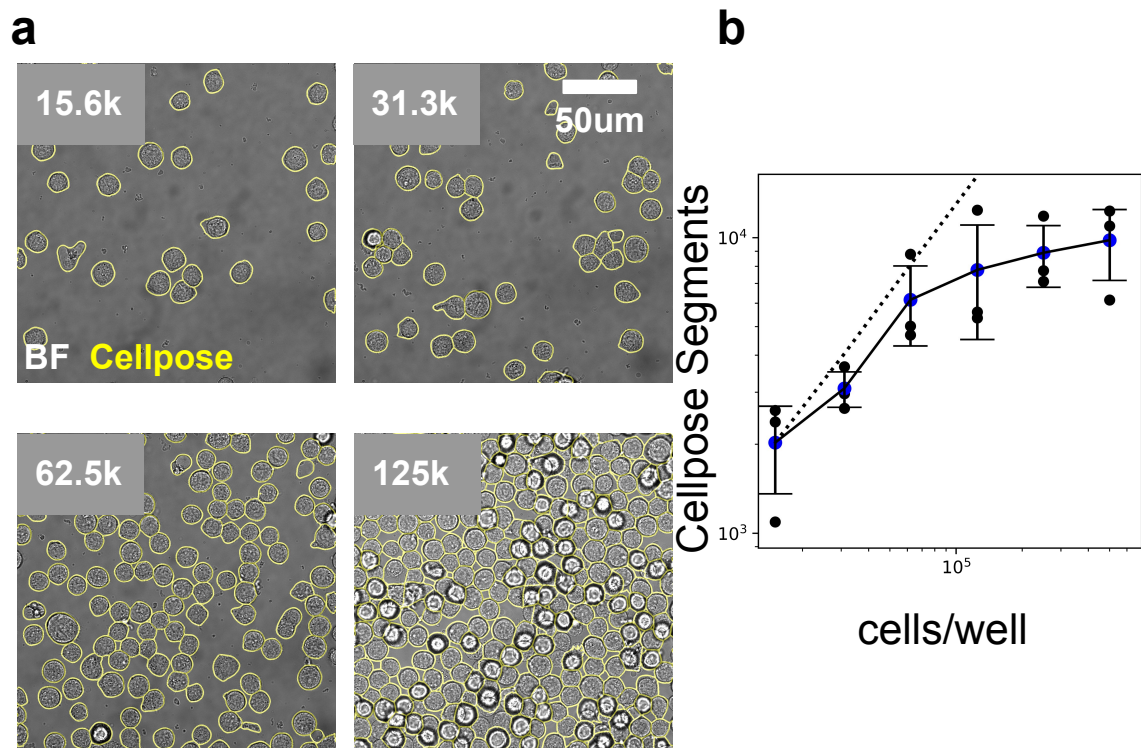


Accessible and accurate cytometry analysis of adherent cells using fluorescence microscopes: SUPPLEMENTARY MATERIALS



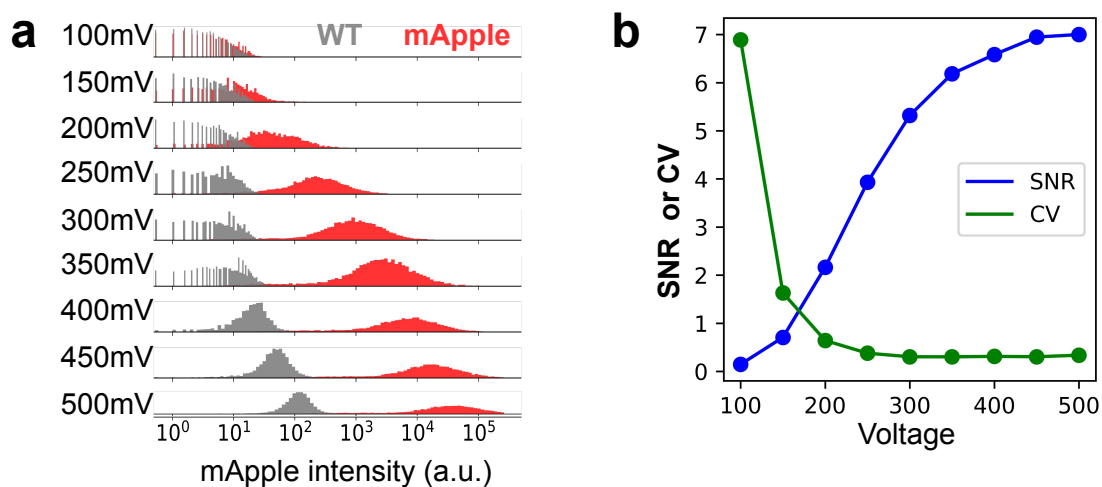
Supplementary figure S1 Cellpose parameter optimization.

a-c. Heat map of Cellpose segments per number of counted nuclei for all combinations of estimated cell diameter and flow threshold assessed for adhered (left), trypsinized (middle), and trypsinized + resuspended (right) condition. **d-f.** Same as **a-c** for false negative ratio. **g-i.** Same as **a-c** for false positive ratio.



Supplementary figure S2 Cell density optimization for Cellpose segmentation

a. Representative images and Cellpose segment outlines for 15.6k, 31.3k, 62.5k, and 125k cells/well of a 96 well plate. **b.** Cellpose segments obtained from 49 images for varying number of loaded cells. Dotted line is the theoretical trend expected if Cellpose segments and number of loaded cells were perfectly correlated.



Supplementary figure S3 Flow cytometry optimization

a. Histogram of mApple+ and non fluorescent (WT) cell's fluorescent intensity obtained via Flow for varying PMT voltages. **b.** SNR and Coefficient of variation (CV) for data in **a** obtained via flow cytometry.

Plasmid sequences

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