Supplementary Information

Fast and Precise 3D Fluorophore Localization based on Gradient Fitting

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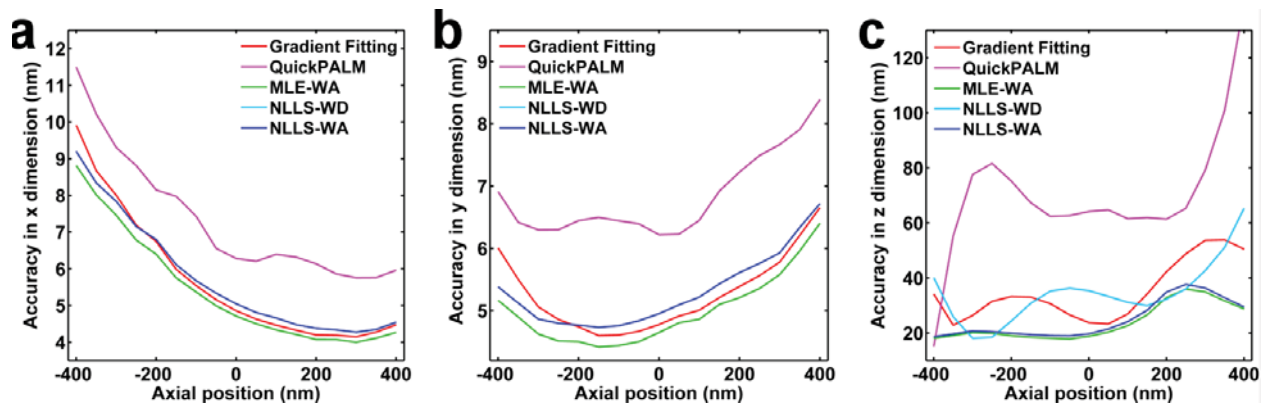[*]liuy@pitt.edu

Figure S1. Comparison of localization accuracy using simulation. Localization accuracy in x dimension (a), y dimension (b), and z dimension (c) at different imaging depths. Note that the localization accuracy in simulation is quantified as the root mean square error between the estimated position and the corresponding true position.
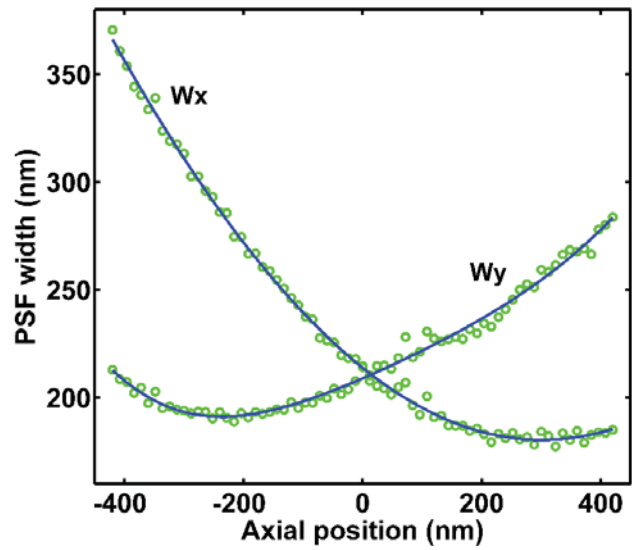
Figure S2. Calibration curve of point spread function (PSF) widths w_x and w_y as a function of axial position.