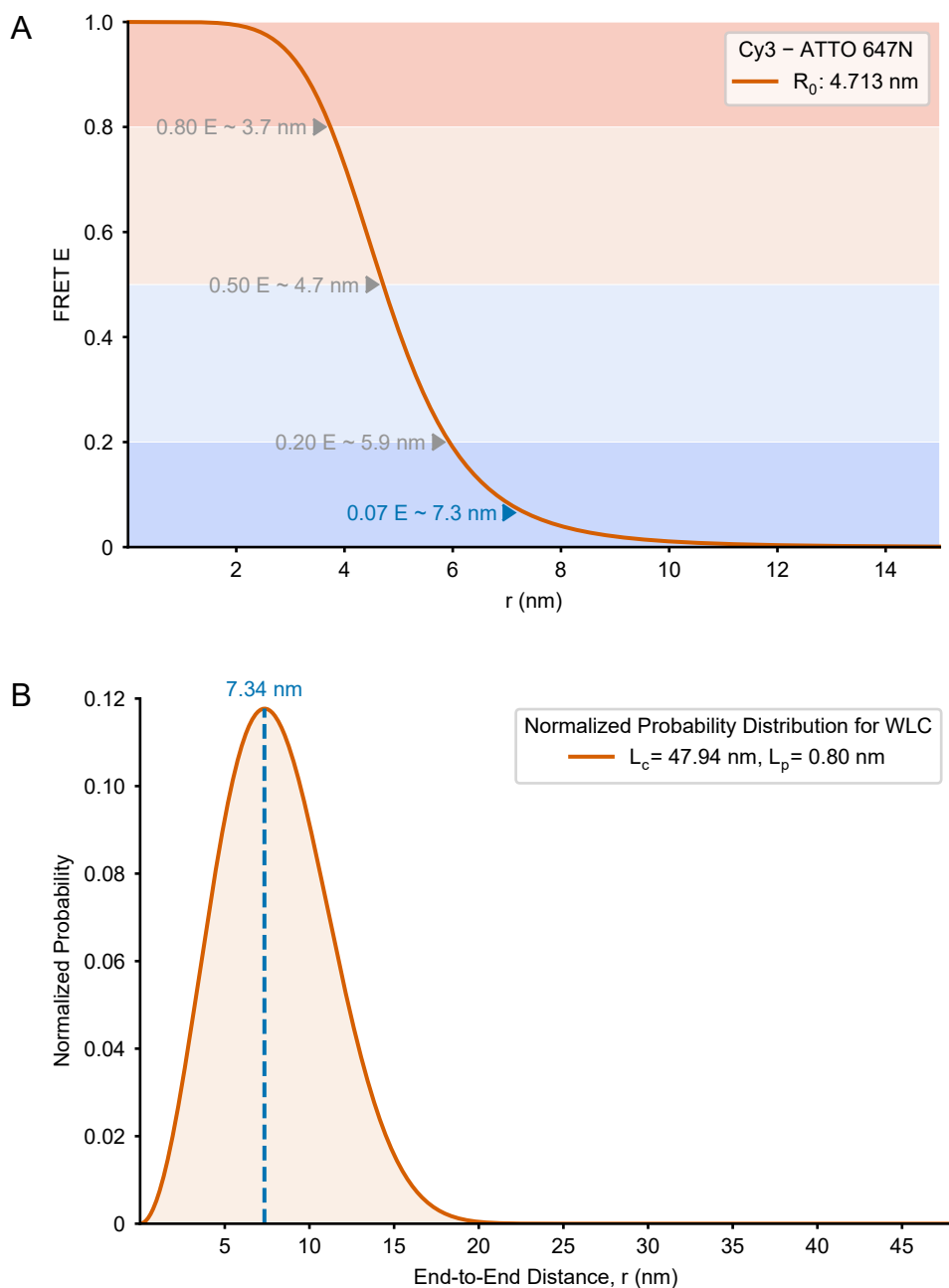




Supplemental Figure S4. Estimation of theoretical LCD distances for the Cy3 – ATTO 647N dye pair

(A) The theoretical relationship between FRET efficiency and distance for the Cy3 – ATTO 647N dye pair with a Förster distance, R_0 , of 4.713 nm. Very low FRET signals (below 0.2) are expected to correspond to distances greater than ~6 nm.

(B) The theoretical probability distribution of end-to-end distances, $P(r)$, for a 141 amino acid-long chain following wormlike chain behavior, using polymer contour length of 47.94 nm and persistence length of 0.80 nm. Peak probability density is centered around 7.34 nm.