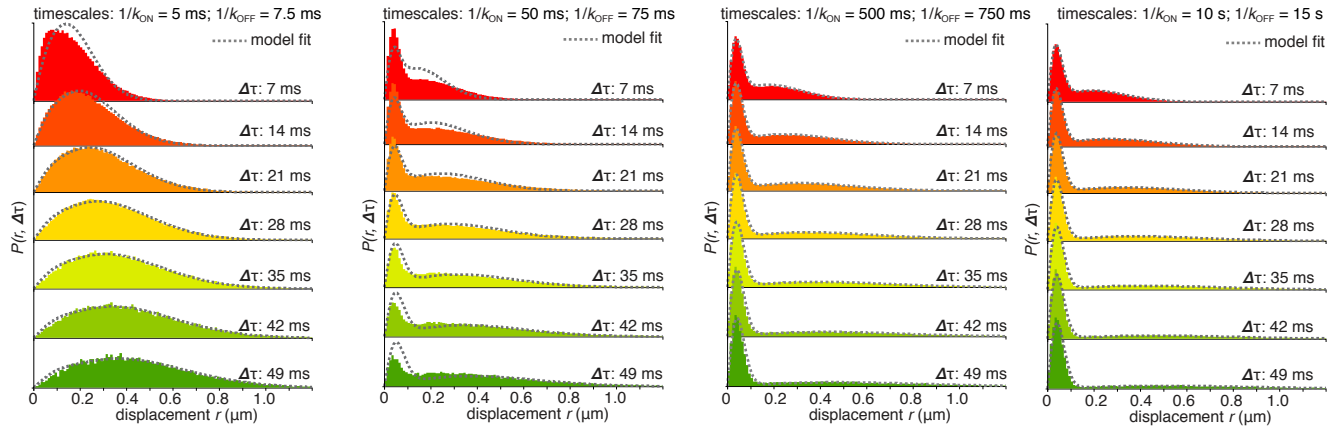


A

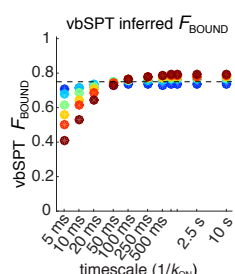
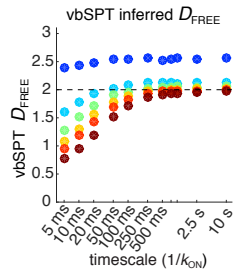
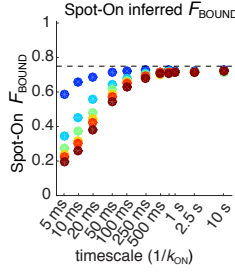
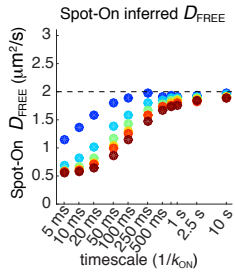
Displacement histograms for 2-state model with state transitions and Spot-On model-fits for different k_{ON} and k_{OFF}
 Fixed parameters: $D_{\text{FREE}} = 2.5 \mu\text{m}^2/\text{s}$; $D_{\text{BOUND}} = 0.001 \mu\text{m}^2/\text{s}$; $F_{\text{BOUND}} = 40\%$; $\sigma = 25 \text{ nm}$

$$k_{\text{OFF}} = \frac{k_{\text{ON}}(1 - F_{\text{BOUND}})}{F_{\text{BOUND}}}$$



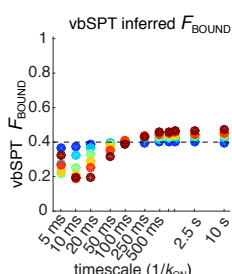
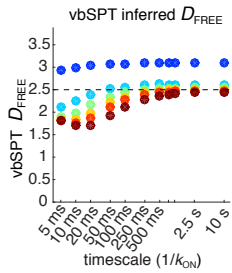
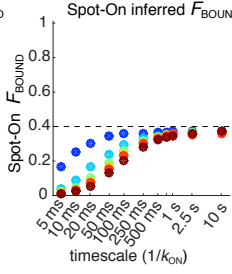
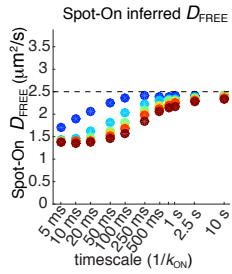
B

$D_{\text{FREE}} = 2.0 \mu\text{m}^2/\text{s}$;
 $D_{\text{BOUND}} = 0.001 \mu\text{m}^2/\text{s}$;
 $F_{\text{BOUND}} = 75\%$;



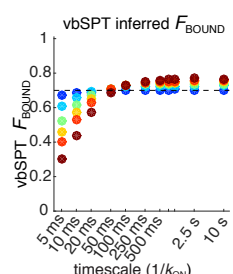
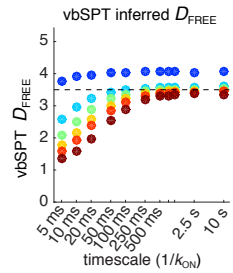
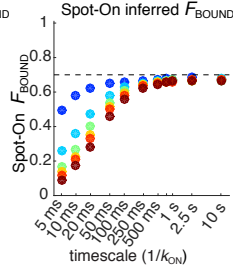
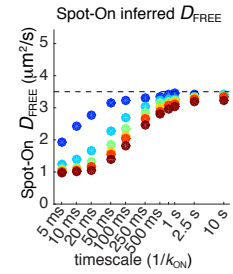
C

$D_{\text{FREE}} = 2.5 \mu\text{m}^2/\text{s}$;
 $D_{\text{BOUND}} = 0.001 \mu\text{m}^2/\text{s}$;
 $F_{\text{BOUND}} = 40\%$;



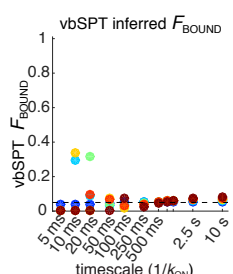
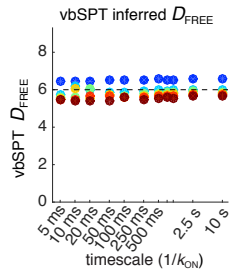
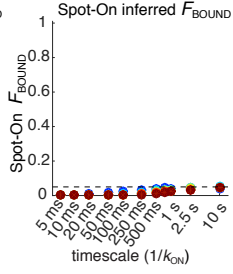
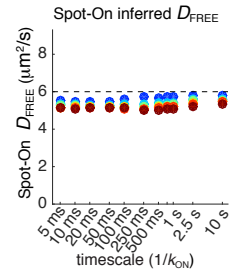
D

$D_{\text{FREE}} = 3.5 \mu\text{m}^2/\text{s}$;
 $D_{\text{BOUND}} = 0.001 \mu\text{m}^2/\text{s}$;
 $F_{\text{BOUND}} = 70\%$;



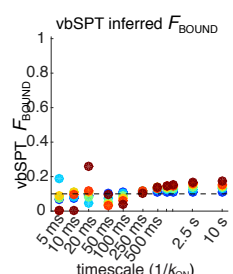
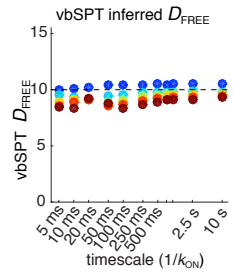
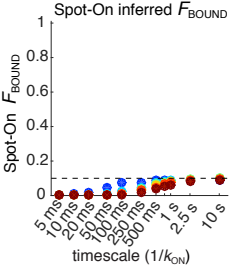
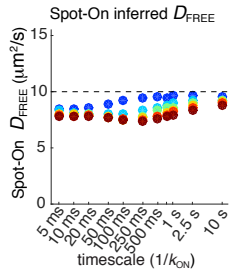
E

$D_{\text{FREE}} = 6.0 \mu\text{m}^2/\text{s}$;
 $D_{\text{BOUND}} = 0.001 \mu\text{m}^2/\text{s}$;
 $F_{\text{BOUND}} = 5\%$;



F

$D_{\text{FREE}} = 10.0 \mu\text{m}^2/\text{s}$;
 $D_{\text{BOUND}} = 0.001 \mu\text{m}^2/\text{s}$;
 $F_{\text{BOUND}} = 10\%$;



G

$D_{\text{FREE}} = 13.0 \mu\text{m}^2/\text{s}$;
 $D_{\text{BOUND}} = 0.001 \mu\text{m}^2/\text{s}$;
 $F_{\text{BOUND}} = 55\%$;

