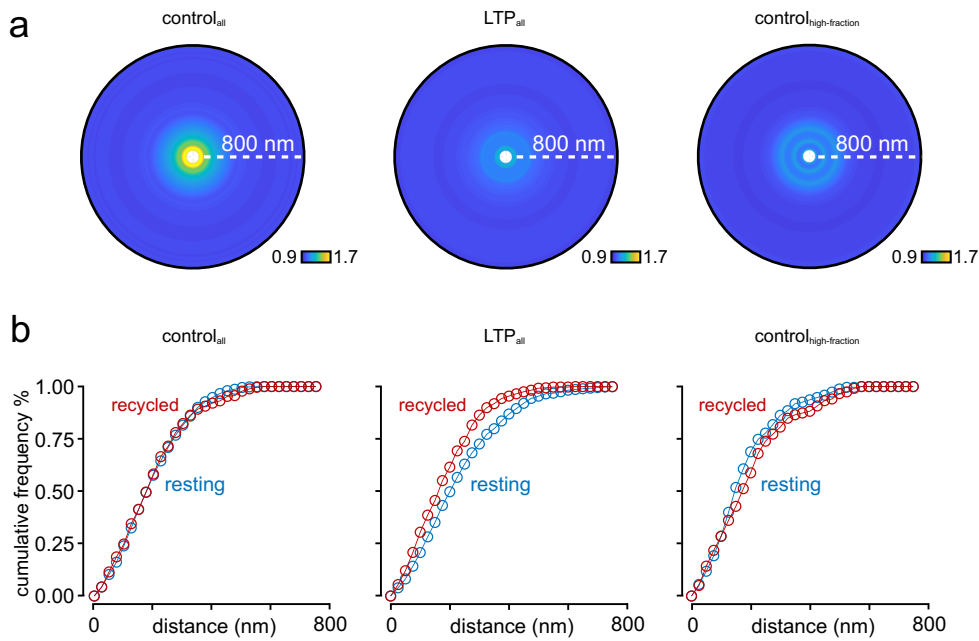


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**Supplemental Information**

**Nanoscale Remodeling of Functional  
Synaptic Vesicle Pools in Hebbian Plasticity**

**Stephanie Rey, Vincenzo Marra, Catherine Smith, and Kevin Staras**



**Figure S1. Comparing properties of LTP synapses to the subset of control synapses with comparable pool fractions ( $\text{control}_{\text{high-fraction}}$ ). Related to Figures 3 and 4. (a) Mean circular frequency density plots showing relative PC+ clustering, normalized to final recycling fraction for the whole cluster for  $\text{control}_{\text{all}}$  (left),  $\text{LTP}_{\text{all}}$  (middle) and  $\text{control}_{\text{high-fraction}}$  (right). (b) Cumulative distance plots for  $\text{control}_{\text{all}}$  (left),  $\text{LTP}_{\text{all}}$  (middle) and  $\text{control}_{\text{high-fraction}}$  (right).**