

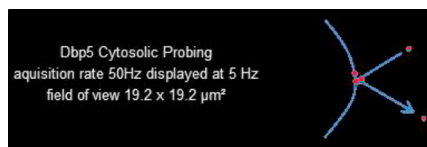
Supporting Information

Siebrasse et al. 10.1073/pnas.1201781109



Movie S1 Export event of hrp36-labeled mRNP. Single frame acquisition time 20 ms, data acquisition rate 50 Hz, display at 10 Hz, field of view $19.2 \times 19.2 \mu\text{m}^2$. The mRNP position is indicated by an arrow. Left, contrast enhanced hrp36 raw data; center, raw data with the mRNP marked in blue; right, rolling ball background-subtracted and filtered data (red) with the NTF2 signal shown in green.

[Movie S1 \(AVI\)](#)



Movie S2 Cytosolic probing of Dbp5. Single frame acquisition time 20 ms, data acquisition rate 50 Hz, display at 5 Hz, field of view $19.2 \times 19.2 \mu\text{m}^2$. The Dbp5 position is indicated by an arrow. Left, contrast enhanced Dbp5 raw data; center, raw data with the Dbp5 marked in blue; right, rolling ball background-subtracted and filtered data (red) with the NTF2 signal shown in green.

[Movie S2 \(AVI\)](#)