Descriptions of Additional Files

File Name: Supplementary Movie 1

Descriptions: Mfd-YPet associates stably with the nucleoid. Rapid acquisition imaging (collected at 10 fps) of mfd-ypet cells (HH024) with 514-nm illumination. Scale bar represents 2 µm.

File Name: Supplementary Movie 2

Descriptions: Mfd(L499R)-YPet exhibits transient binding. Rapid acquisition imaging (collected at 10 fps) of Δ mfd cells expressing Mfd(L499R)-YPet (HH296) with 514-nm illumination. Scale bar represents 2 μ m.