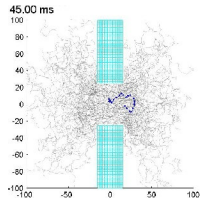


SUPPLEMENTAL MATERIAL

Pulupa et al., <https://doi.org/10.1085/jgp.201711769>



Video 1. **Single filaments translocate across the NPC.** Movement of a single FG-Nup49 filament across the NPC in the absence of FG-FG bonds; all axes are in nanometers.