

## **Description of Additional Supplementary Files**

File Name: Supplementary Movie 1

Description: Conformational change of ELMO1. Movie showing morphing between the open- and closed- (auto-inhibited) conformations of the DOCK2–ELMO1 complex. EM density for the open-conformation is in light blue and yellow for the closed-conformation.

File Name: Supplementary Movie 2

Description: ELMO-NTD is required for cell motility. Comparison of phase contrast bright-field live-cell imaging videos of HeLa cells expressing the indicated plasmids imaged using time-lapse microscopy for 6 h.