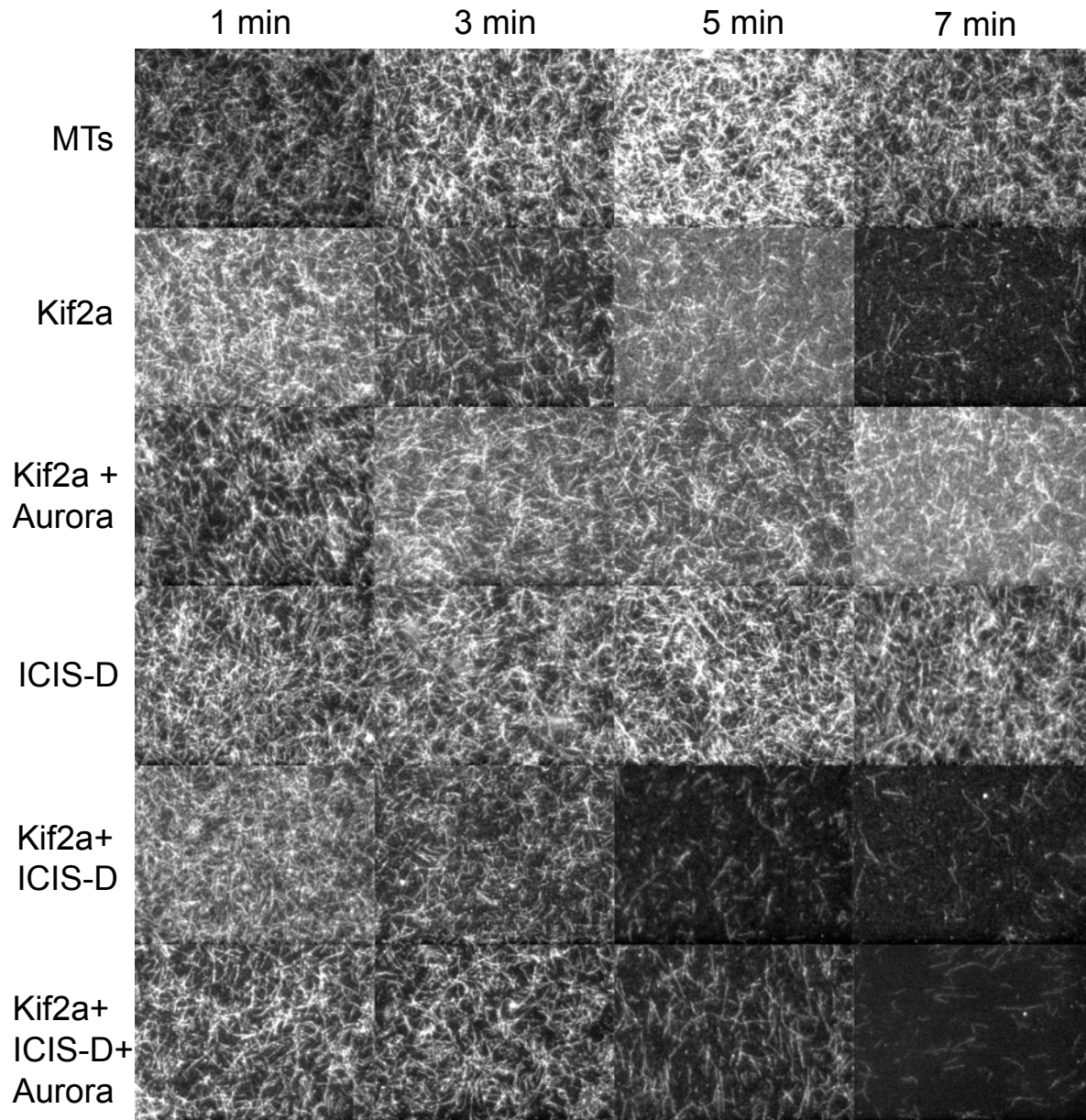
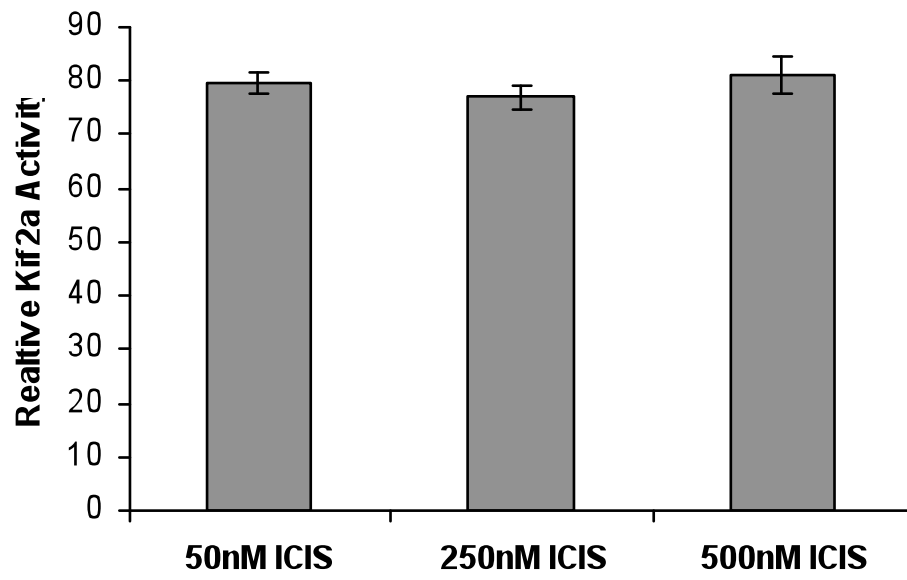


Supplemental Data

XL_Kif2a	1	ARPIQPIEQSASRQONGSVSDISPDPGKKDFGLASRRKSNCVKEVEKLQEKRERRRLOQ
HS_Kif2a	1	ARPSQPFPEQSSSAQONGSVSDISPVQAAKKEFGPPSRRKSNCVKEVEKLQEKREKRRLOQ
XL_Kif2a	61	QELREKKAQDFDATNPNYEIMCMIKDFRGS�DYRPLTTS DPIDEHRICVCVRKRPLNKKE
HS_Kif2a	61	QELREKRAQDV DATNPNYEIMCMI RDFRGS�DYRPLTTADPIDEHRICVCVRKRPLNKKE
XL_Kif2a	121	TTIKDLDVITIPISKDVVMVHEPKQKVDLTRFLENQTFRFDYAFDETAPNETVYRFTARPL
HS_Kif2a	121	TQMKDLDVITIPSKDVVMVHEPKQKVDLTRYLENQTFRFDYAFDD SAPNEMVYRFTARPL
XL_Kif2a	181	VETIFERGMATCFAYGQTGSGKTHTMGGDFSGKNQDCSKGIYALAARDVFM LKPKPNYKK
HS_Kif2a	181	VETIFERGMATCFAYGQTGSGKTHTMGGDFSGKNQDCSKGIYALAARDVFLMLKPKPNYKK
XL_Kif2a	241	LELQVYATFFEIYSGKVFLLNRKTKLRVLEDGKQOVQVVGLQEREVKCVEDVLKLI EIG
HS_Kif2a	241	LELQVYATFFEIYSGKVFLLNRKTKLRVLEDGKQOVQVVGLQEREVKCVEDVLKLIDIG
XL_Kif2a	301	NSCRTSGQTSANAHSSRSHAVFOIILRKKGKMHGKFSLIDLAGNERGADTSSADRQTRLE
HS_Kif2a	301	NSCRTSGQTSANAHSSRSHAVFOIILRRKGK L HGKFSLIDLAGNERGADTSSADRQTRLE
XL_Kif2a	361	GAEINKSLLALKECIRALGRNKPHTPPFRASKLTQVLRDSFIGENSRTCMIAT
HS_Kif2a	361	GAEINKSLLALKECIRALGRNKPHTPPFRASKLTQVLRDSFIGENSRTCMIAT



Knowlton and Vorozhko, Supplemental Figure 2

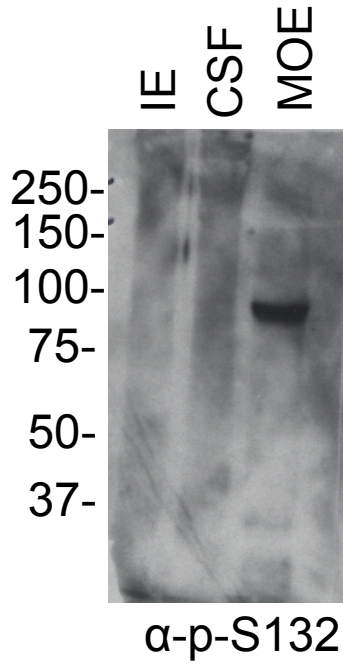


Knowlton and Vorozhko et al., Supplemental Figure 3

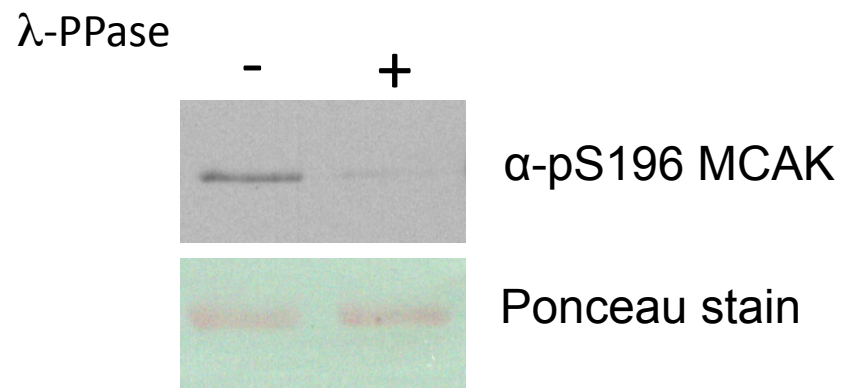
A

xMCAK 191-QGRRKSNIVKE
xKif2A 127-ASRRKSNCVKE

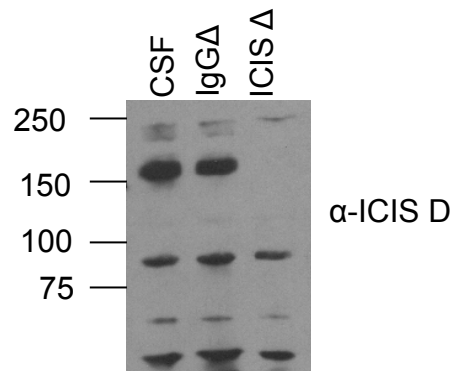
B



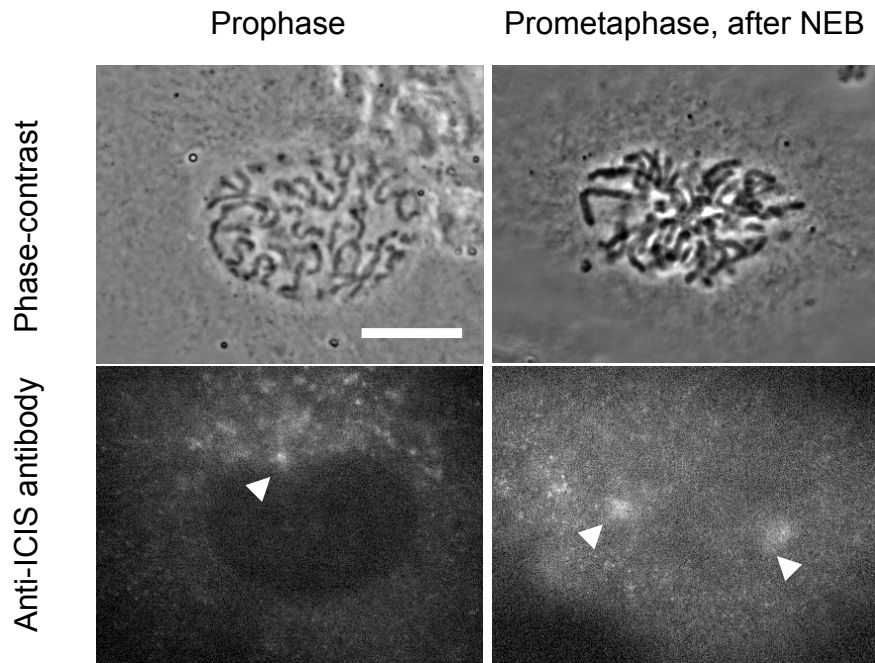
Knowlton and Vorozhko et al. Supplemental Figure 4



Knowlton and Vorozhko, Supplemental Figure 5



Knowlton and Vorozhko et al., Supplemental Figure 6



Knowlton and Vorozhko et al. Supplemental Figure 7

