## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Analysis of sequence properties of Ph linkers. Table of linker sequences and

parameters from localCIDER analysis.

File Name: Supplementary Movie 1

Description: Movie of Fusion of Mini-Ph-Chromatin condensates. Mini-Ph is labelled with Alexa 647.

File Name: Supplementary Movie 2

Description: Movie of Fusion of Mini-Ph-Chromatin condensates. Mini-Ph is labelled with Alexa 647.

File Name: Supplementary Movie 3

Description: Movie of Fusion of Mini-Ph-DNA condensates. Movie shows Mini-Ph labelled with

Alexa 647.