Description of Additional Supplementary Files

File Name: Supplementary Movie 1 Description: A video of a DMD simulation of CATCH(4+/4-) co-assembly.

File Name: Supplementary Movie 2 Description: A video of a DMD simulation of CATCH(6+/6-) co-assembly.

File Name: Supplementary Data 1 Description: Initial trajectory for CATCH(2+/2-) DMD simulation.

File Name: Supplementary Data 2 Description: Final trajectory for CATCH(2+/2-) DMD simulation.

File Name: Supplementary Data 3 Description: Initial trajectory for CATCH(4+/4-) DMD simulation.

File Name: Supplementary Data 4 Description: Final trajectory for CATCH(4+/4-) DMD simulation.

File Name: Supplementary Data 5 Description: Initial trajectory for CATCH(6+/6-) DMD simulation.

File Name: Supplementary Data 6 Description: Final trajectory for CATCH(6+/6-) DMD simulation.