

Descriptions of Additional Supplementary Information

File Name: Supplementary Movie 1.

Description: A control mitotic cell showing proper bipolar formation and chromosome segregation.

File Name: Supplementary Movie 2.

Description: A Cep57-depleted mitotic cell showing the precocious centriole disengagement phenotype.

File Name: Supplementary Movie 3.

Description: A Cep57-depleted mitotic cell showing unequal distribution of centrioles.

File Name: Supplementary Movie 4.

Description: A Cep57-depleted mitotic cell showing tripolar spindle formation.

File Name: Supplementary Movie 5.

Description: A Cep57-depleted mitotic cell showing chromosome misalignment and multi-nuclei.

File Name: Supplementary Movie 6.

Description: A Cep57-depleted mitotic cell showing lagging chromosome.