

Description of Additional Supplementary Files:

Supplementary Data 1: Comparative analysis of gene expression in wild-type and *DsegAB* cells. Analysis performed using DESeq2 on duplicate biological samples for both genotypes.

Supplementary Movie 1: Field of live wild-type cells viewed in a VaHeat apparatus (Interference) at 75 °C. Cells were stained with Nile Red.

Supplementary Movie 2: Field of live *DsegAB* cells viewed in a VaHeat apparatus (Interference) at 75 °C. Cells were stained with Nile Red.

Supplementary Movie 3: Immunolocalization with anti-CdvA antisera, visualizing CdvA structures (green) in *DsegAB* cells. (Still images shown in Figure 7a.)

Supplementary Movie 4: Immunolocalization with anti-CdvA antisera, visualizing CdvA structures (green) in *DsegAB* cells with additional DAPI staining for DNA (blue). (Still images shown in Figure 7a.)

Supplementary Movie 5: Immunolocalization with anti-CdvA antisera, visualizing CdvA structures (green) in *DsegAB* cells with additional DAPI staining for DNA (blue).