

FIG S2 Expression of MamK<sup>WT</sup>, MamK<sup>E143A</sup> and MamK<sup>D161A</sup> in Δ*mamK* cells. (A) Immunoblotting with anti-MamK antibody of cell free extracts (10 μg protein/lane) from wild-type, Δ*mamK*, and the MamK-complemented strains. The MamK content of the complemented strain was similar to that of the wild-type starain. (B) Immunoblotting with the anti-MamK antibody of cell free extracts (10 μg protein/lane) from the MamK-complement strain, and MamK<sup>E143A</sup> and MamK<sup>D161A</sup> expressed Δ*mamK* cells. (C) Immunofluorescence images of I) wild-type, II) MamK-complement strain, III) MamK<sup>E143A</sup> and IV) MamK<sup>D161A</sup> expressed Δ*mamK* cells with the anti-MamK antibody. The MamK ATPase mutants, MamK<sup>E143A</sup> and MamK<sup>D161A</sup>, showed linear filamentous localizations similarly to MamK<sup>WT</sup>.