

ZASTOSOWANIE BIAŁKA ZIELONEJ FLUORESCENCJI DO BADANIA DYNAMIKI REPLIKACJI I SEGREGACJI CHROMOSOMU BAKTERYJNEGO

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1. Wprowadzenie. 2. Białko zielonej fluorescencji. 3. Dynamika replikacji i segregacji chromosomów

Visualization of bacterial chromosome dynamics with green fluorescent protein

Abstract: Green fluorescent protein (GFP) from *Aequorea victoria* has several features that make it an attractive candidate for protein localization studies in bacteria. Visualization of specific chromosomal fragments using GFP fusion proteins has provided new and special opportunities for directly observing chromosome dynamics *in vivo*. Recent evidence for rapid *oriC* region movement suggests an active chromosome segregation mechanism in bacteria; the newly replicated origin regions migrate toward opposite cell poles, whereas the terminus remains at midcell.

1. Introduction. 2. Green fluorescent protein. 3. Dynamics of chromosome replication and segregation

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