

PhD thesis – To Re behold the Cell: Natural and Synthetic Cell Cycles Through the Lenses of Macromolecular Motion – Lorenzo Olivi

Chapter 4 - The impact of DnaA titration on *Escherichia coli* DNA replication initiation elucidated through live-cell single-particle tracking

#### SUPPLEMENTARY MATERIAL - CONTENTS

DOCUMENT 1 - The impact of DnaA titration on *Escherichia coli* DNA replication initiation elucidated through live-cell single-particle tracking  
Supplementary file

- Table S4.1. List of bacterial strains used in this study.
- Table S4.2. List of plasmids used in this study.
- Table S4.3. List of oligonucleotides and chemically synthesised DNA fragments and their use in the study.
- Figure S4.1. Separation of standard and experimental cell by YL3-H gating.
- Figure S4.2. Tracks and concentration of LbdCas12a under the control of simple repression, mediated by the pLtetO-1 promoter and the related TetR repressor.
- Figure S4.3. Track number and concentration for DnaA in *E. coli*  $\Delta 3D$ .
- Figure S4.4. Persistent binding of DnaA across growth conditions and *E. coli* genotype.
- Source data tables.