

In this thesis, the activity of six Bas bacteriophages was monitored against *E. coli* MG1655 strains over an 8-hour period. The full dataset is provided in Excel form. The changes in OD_{600nm} and fluorescence are summarized in the following figures. In the graphs, different host strains are distinguished by marker symbols: wild-type MG1655 (circles), MG1655 carrying the empty vector pCL1920 (squares), and MG1655 harbouring plasmid pCLP (triangles). For each strain, the uninfected control is shown in black, while samples infected with individual Bas phages are represented in distinct colours: Bas04 (pink), Bas06 (orange), Bas07 (green), Bas09 (brown), Bas32 (blue), and Bas35 (purple). All data are presented across the full 8-hour experimental duration.

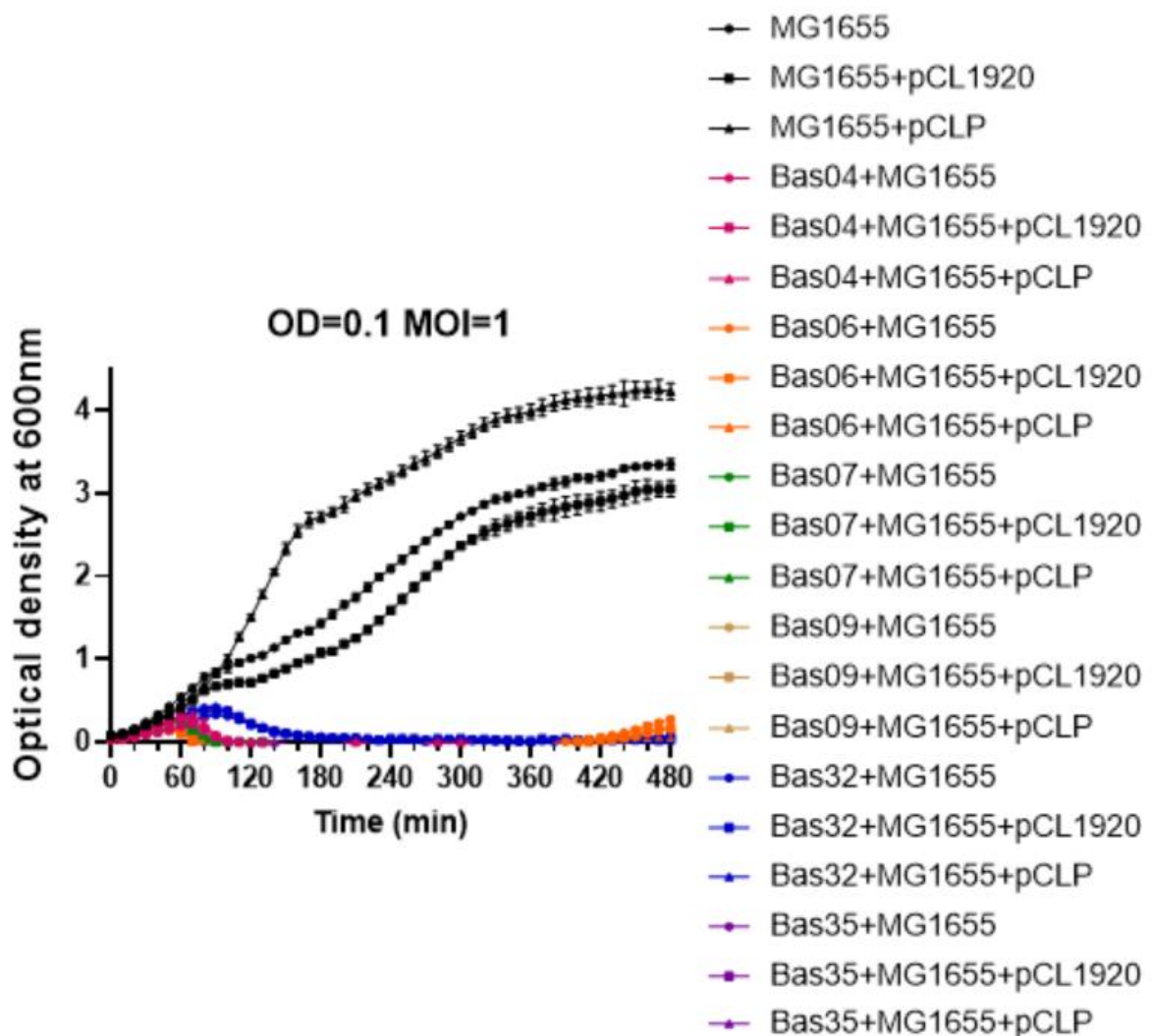


Figure S5-1. Bacteriolytic activity of Bas bacteriophages. Bacterial lysis was monitored by measuring the OD_{600nm} over time, starting from an initial OD_{600nm} of 0.1 and at MOI of 1.

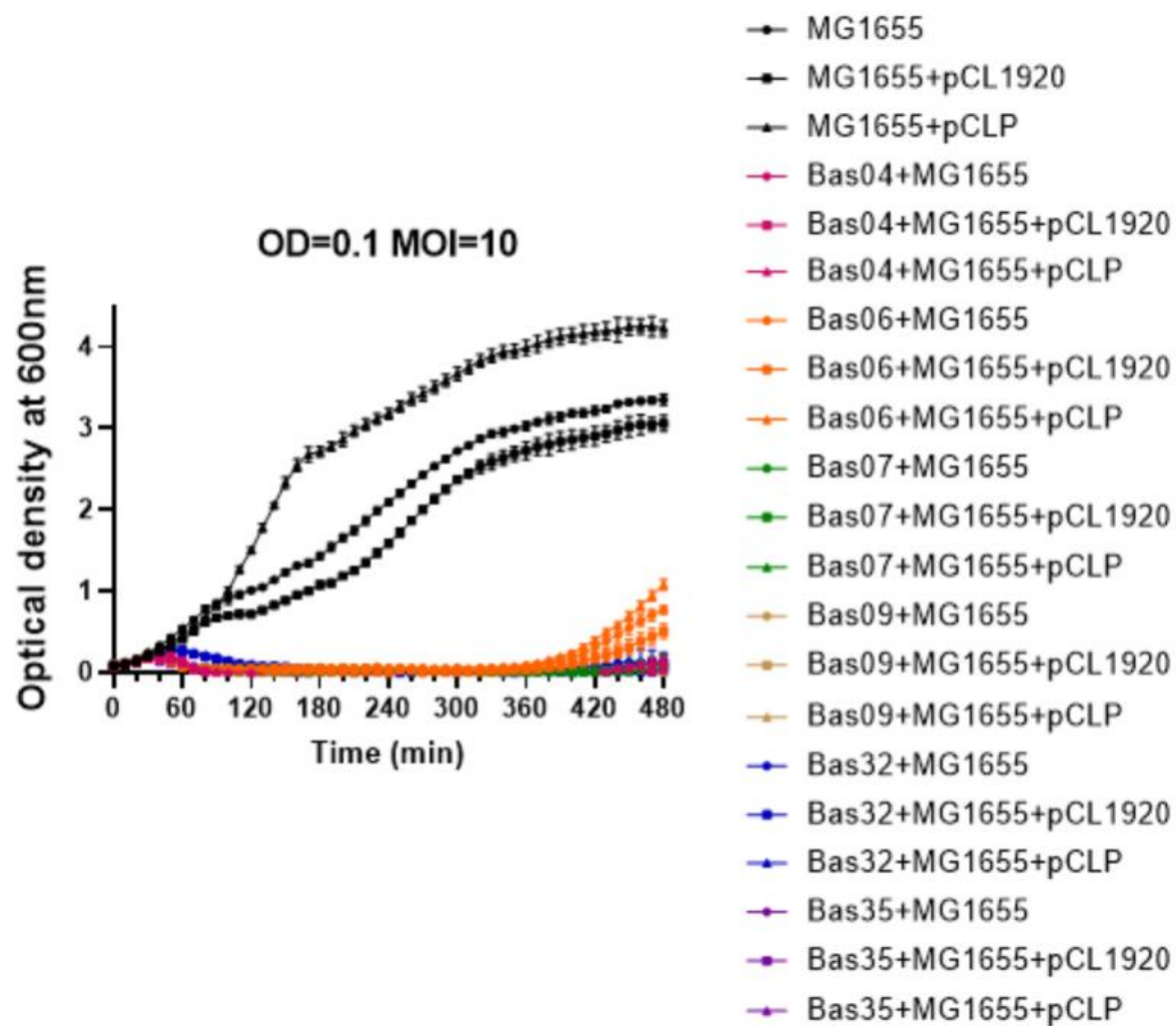


Figure S5-2. Bacteriolytic activity of Bas bacteriophages. Bacterial lysis was monitored by measuring the OD_{600nm} over time, starting from an initial OD_{600nm} of 0.1 and at MOI of 10.

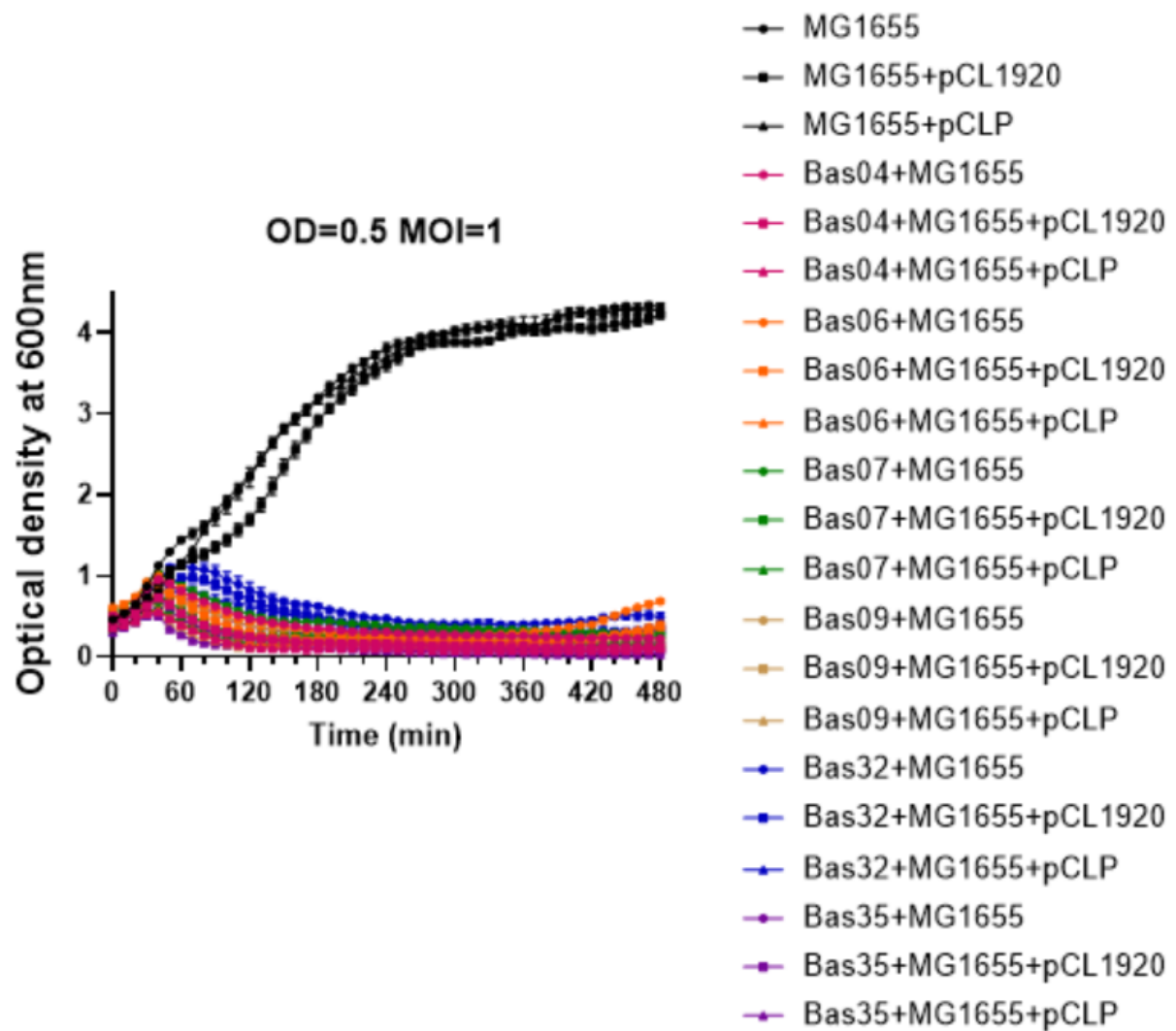


Figure S5-3. Bacteriolytic activity of Bas bacteriophages. Bacterial lysis was monitored by measuring the OD_{600nm} over time, starting from an initial OD_{600nm} of 0.5 and at MOI of 1.

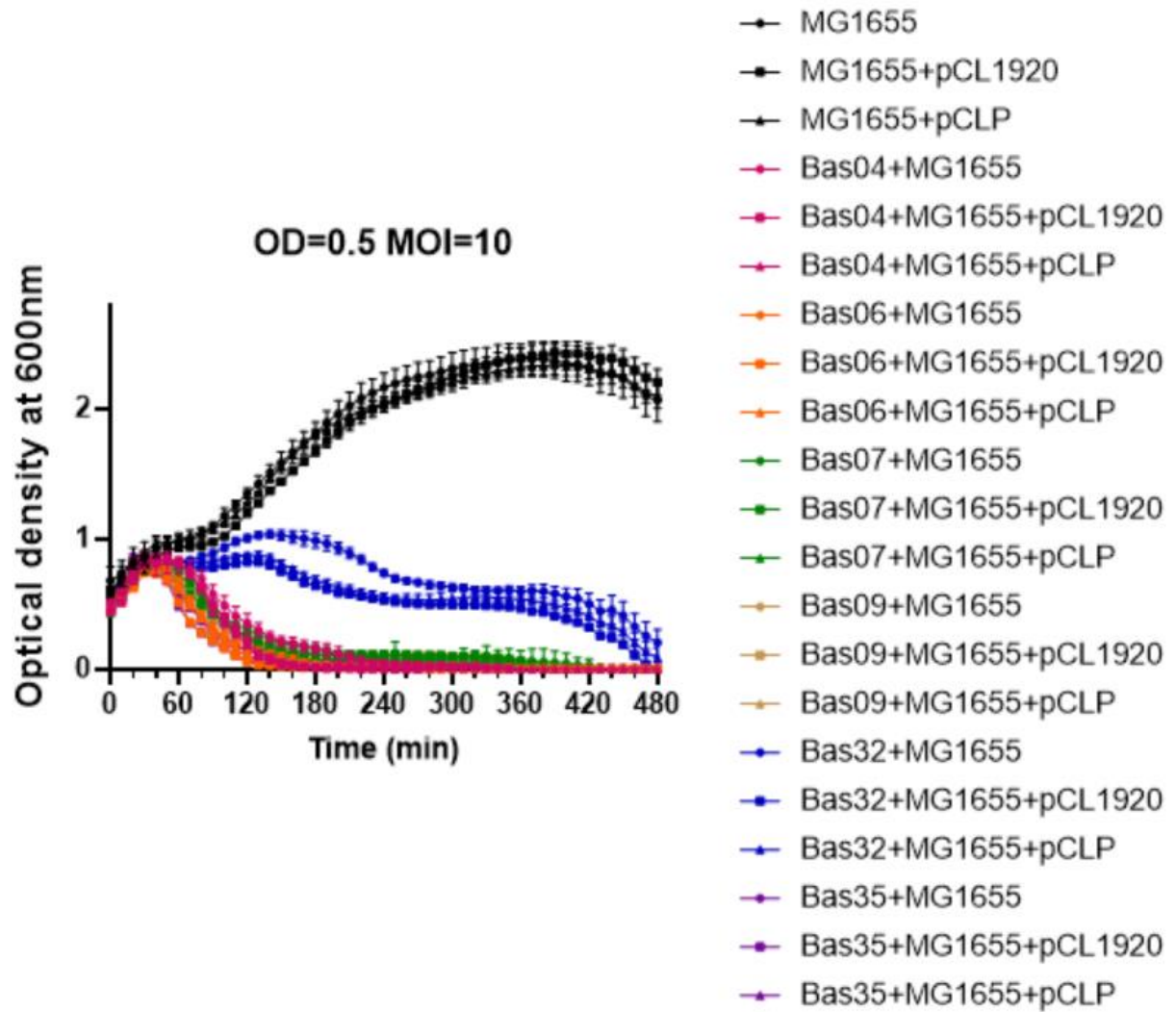


Figure S5-4. Bacteriolytic activity of Bas bacteriophages. Bacterial lysis was monitored by measuring the OD_{600nm} over time, starting from an initial OD_{600nm} of 0.5 and at MOI of 10.

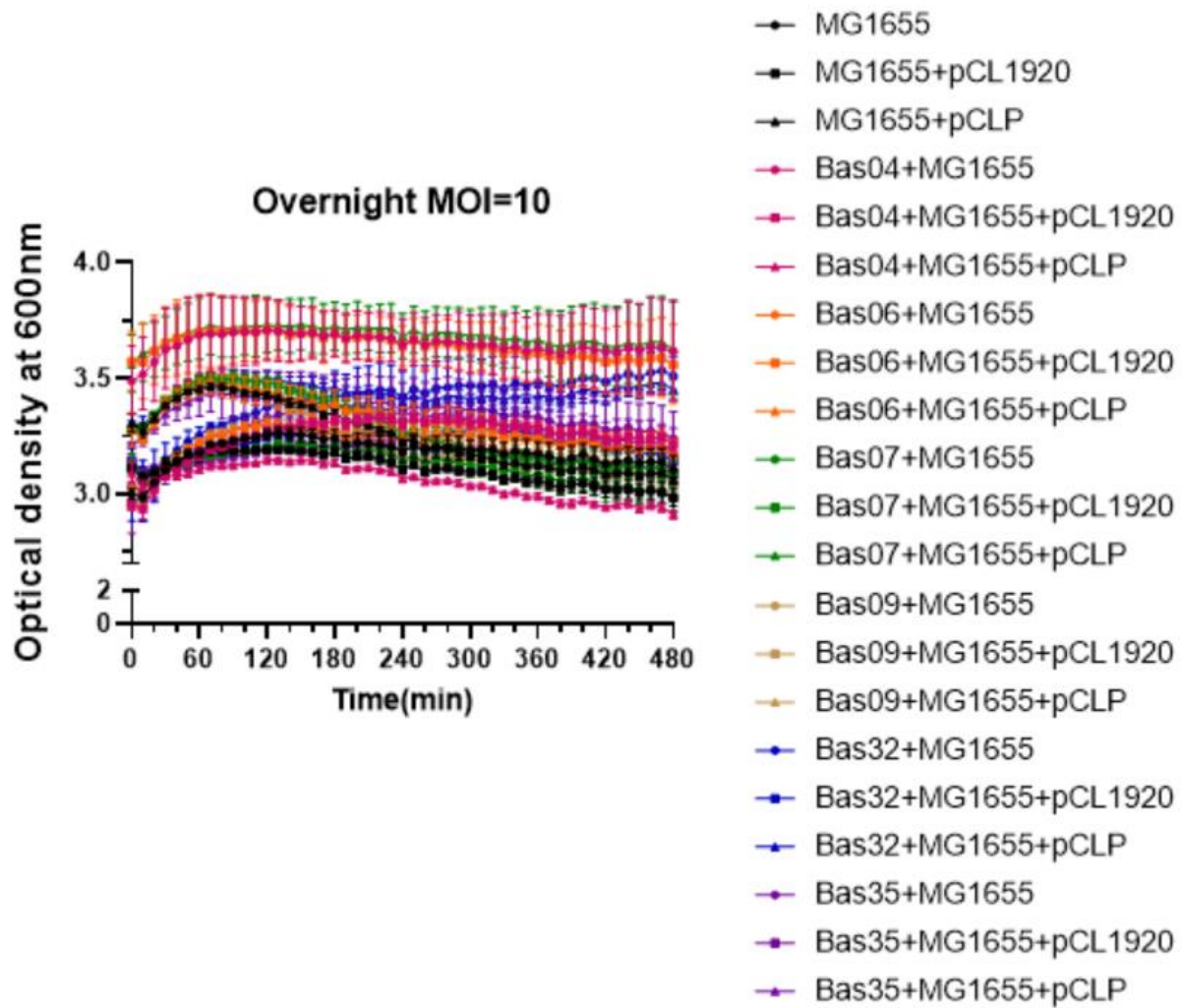


Figure S5-5. Bacteriolysis of overnight bacterial cultures by Bas bacteriophages. Bacterial lysis was assessed by measuring OD_{600nm} following phage infection at MOI of 10.

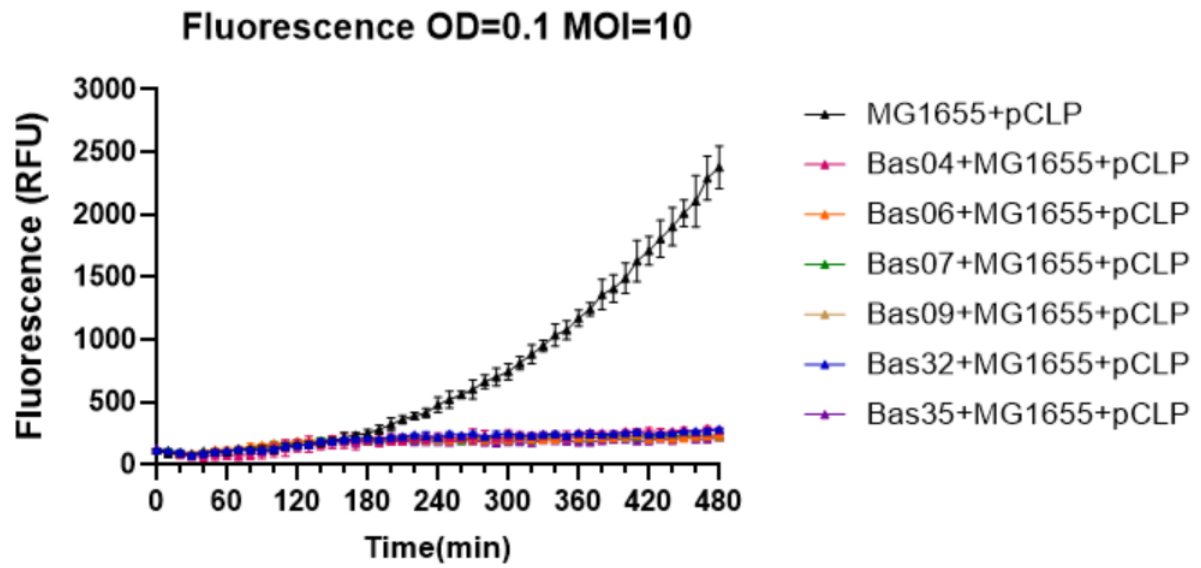


Figure S5-6. Bacteriolytic activity of Bas bacteriophages. Bacterial lysis was monitored by measuring the fluorescence, starting from an initial OD_{600nm} of 0.1 and at MOI of 10.

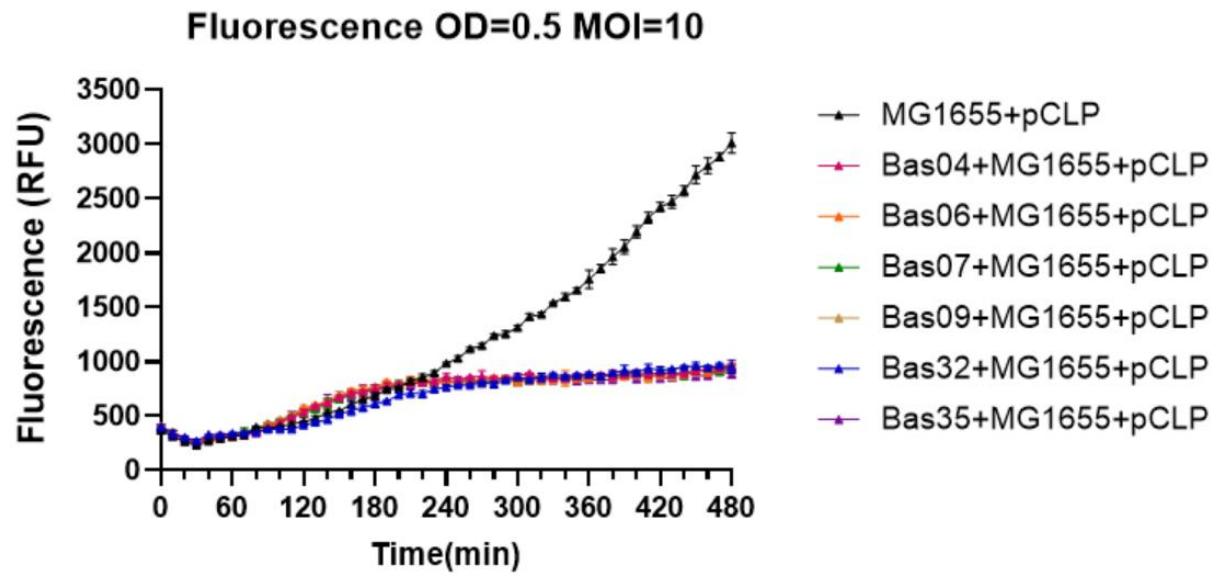


Figure S5-7. Bacteriolytic activity of Bas bacteriophages. Bacterial lysis was monitored by measuring the fluorescence, starting from an initial OD_{600nm} of 0.5 and at MOI of 10.