SPOT ASSAY
Host strain: B. uniformis MB18-80
Individual plaques of Bacuni phage F4
72 h incubation
B. uniformis MB18-80 derivatives obtained after exposure to Bacuni phage F4.
Carefully picked from plaques with sterile needles.
35 agar plates inoculated from different plaques. 10 strains exhibited visible growth.
48 h incubation
10 single colonies were used to inoculate culture media to be further used in a spot assay
Melted top agar with each B. uniformis derivative culture.
phages F1, F2 and F3/F4
F1
F2
F3/F4
PHAGE DESIGNATION
UNDILUTED
10-FOLD DILUTION
18 h incubation
No lysis zones.
Example: B. uniformis MB18-80 - K
Lysis zones or plaques observed,
Example: B. uniformis MB18-80 – PH
F1 & F2: lysis zones, F3/F4: no lysis zones.
Strain selection for sequencing based on interactions with tested phages.
WGS of selected derivative strains