This is a strange genome. No evidence found for a Lysin B, but presence of Lysin A noted. Terminase split into obvious small (gp2) and large (gp9) subunits. May not follow traditional synteny.

Gp6 (3130-3258) has lysin-like matches on HHPred but was called NKF to be safe.



Gp73 (42375-41872) annotated via strong HHPred matches as immunity repressor but consider changing to helix-turn-helix DNA binding domain

Gp89 (48286-48041) has somewhat weak HHPred matches to toxin-like functions (see below) but called as NKF. Pham has three members, two in cluster DL. Further investigation needed.



The following gaps were investigated, but no significant evidence of uncalled genes was found:

**Idx** **Length** **Description**

1 1135 Idx\_1\_49380\_to\_50514

2 376 Idx\_2\_1\_to\_376

3 359 Idx\_3\_42376\_to\_42734

4 120 Idx\_4\_44575\_to\_44694

5 117 Idx\_5\_13171\_to\_13287

6 104 Idx\_6\_24664\_to\_24767

7 101 Idx\_7\_47061\_to\_47161

8 101 Idx\_8\_3029\_to\_3129