



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

## Pham 305406 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305406 has 14 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Rooter\_13
- Track 2 : MargaretKali\_14
- Track 3 : Kumotta\_14
- Track 4 : Pigu\_13
- Track 5 : CocoCinnamon\_17, Alatato\_12, BrayBeast\_13, Sarge\_13, JeanClaude\_13, Shoya\_12
- Track 6 : PrairieDogTown\_14, Morrey\_21, EvenBluerMoon\_14, Aoka\_14

### ***Summary of Final Annotations (See graph section above for start numbers):***

The start number called the most often in the published annotations is 4, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alatato\_12, Aoka\_14, BrayBeast\_13, CocoCinnamon\_17, EvenBluerMoon\_14, JeanClaude\_13, Kumotta\_14, MargaretKali\_14, Morrey\_21, Pigu\_13, PrairieDogTown\_14, Rooter\_13, Sarge\_13, Shoya\_12,

Genes that have the "Most Annotated" start but do not call it:

- 

Genes that do not have the "Most Annotated" start:

- 

### **Summary by start number:**

Start 4:

- Found in 14 of 14 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alatato\_12 (FB), Aoka\_14 (FO), BrayBeast\_13 (FB), CocoCinnamon\_17 (FO), EvenBluerMoon\_14 (FO), JeanClaude\_13 (FB), Kumotta\_14 (FB), MargaretKali\_14 (FB), Morrey\_21 (FO), Pigu\_13 (FB), PrairieDogTown\_14 (FO), Rooter\_13 (FB), Sarge\_13 (FB), Shoya\_12

(FB),

### **Summary by clusters:**

There are 2 clusters represented in this pham: FB, FO,

Info for manual annotations of cluster FB:

•Start number 4 was manually annotated 6 times for cluster FB.

Info for manual annotations of cluster FO:

•Start number 4 was manually annotated 4 times for cluster FO.

### ***Gene Information:***

Gene: Alatao\_12 Start: 8345, Stop: 8488, Start Num: 4

Candidate Starts for Alatao\_12:

(3, 8336), (Start: 4 @8345 has 10 MA's),

Gene: Aoka\_14 Start: 9874, Stop: 10032, Start Num: 4

Candidate Starts for Aoka\_14:

(Start: 4 @9874 has 10 MA's),

Gene: BrayBeast\_13 Start: 8750, Stop: 8893, Start Num: 4

Candidate Starts for BrayBeast\_13:

(3, 8741), (Start: 4 @8750 has 10 MA's),

Gene: CocoCinnamon\_17 Start: 10087, Stop: 10236, Start Num: 4

Candidate Starts for CocoCinnamon\_17:

(3, 10078), (Start: 4 @10087 has 10 MA's),

Gene: EvenBluerMoon\_14 Start: 9909, Stop: 10067, Start Num: 4

Candidate Starts for EvenBluerMoon\_14:

(Start: 4 @9909 has 10 MA's),

Gene: JeanClaude\_13 Start: 8657, Stop: 8800, Start Num: 4

Candidate Starts for JeanClaude\_13:

(3, 8648), (Start: 4 @8657 has 10 MA's),

Gene: Kumotta\_14 Start: 9594, Stop: 9743, Start Num: 4

Candidate Starts for Kumotta\_14:

(1, 9570), (Start: 4 @9594 has 10 MA's), (5, 9672),

Gene: MargaretKali\_14 Start: 9229, Stop: 9378, Start Num: 4

Candidate Starts for MargaretKali\_14:

(1, 9205), (2, 9214), (Start: 4 @9229 has 10 MA's), (5, 9307),

Gene: Morrey\_21 Start: 9911, Stop: 10069, Start Num: 4

Candidate Starts for Morrey\_21:

(Start: 4 @9911 has 10 MA's),

Gene: Pigu\_13 Start: 8303, Stop: 8446, Start Num: 4

Candidate Starts for Pigu\_13:  
(3, 8294), (Start: 4 @8303 has 10 MA's),

Gene: PrairieDogTown\_14 Start: 9911, Stop: 10069, Start Num: 4  
Candidate Starts for PrairieDogTown\_14:  
(Start: 4 @9911 has 10 MA's),

Gene: Rooter\_13 Start: 8294, Stop: 8437, Start Num: 4  
Candidate Starts for Rooter\_13:  
(Start: 4 @8294 has 10 MA's),

Gene: Sarge\_13 Start: 8661, Stop: 8804, Start Num: 4  
Candidate Starts for Sarge\_13:  
(3, 8652), (Start: 4 @8661 has 10 MA's),

Gene: Shoya\_12 Start: 8297, Stop: 8440, Start Num: 4  
Candidate Starts for Shoya\_12:  
(3, 8288), (Start: 4 @8297 has 10 MA's),