

1	2	3	4

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 312027 Report

This analysis was run 06/27/26 on database version 652.

Pham number 312027 has 21 members, 18 are drafts.

Phages represented in each track:

- Track 1 : Pupusa\_30, JigglyPuff\_25, Concombre\_24, Bowman\_24, PurduePete\_24, LookingGlass\_27, Demodog\_23, Dessert\_22, Atlantean\_24, JayJay\_28, BigCity\_29, EggyFarm\_29, Moby\_19, SoilZilla\_22, PharkleMinkus\_30, Grasshills\_29, Moiqah\_19, Cleatunium\_21, OrediggerDelux\_24, Lee7\_24, Tainan\_30

### ***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 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Atlantean\_24, BigCity\_29, Bowman\_24, Cleatunium\_21, Concombre\_24, Demodog\_23, Dessert\_22, EggyFarm\_29, Grasshills\_29, JayJay\_28, JigglyPuff\_25, Lee7\_24, LookingGlass\_27, Moby\_19, Moiqah\_19, OrediggerDelux\_24, PharkleMinkus\_30, Pupusa\_30, PurduePete\_24, SoilZilla\_22, Tainan\_30,

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 21 of 21 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 3 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Atlantean\_24 (C1), BigCity\_29 (C1), Bowman\_24 (C1), Cleatunium\_21 (C1), Concombre\_24 (C1), Demodog\_23 (C1), Dessert\_22 (C1), EggyFarm\_29 (C1), Grasshills\_29 (C1), JayJay\_28 (C1), JigglyPuff\_25 (C1), Lee7\_24 (C1), LookingGlass\_27 (C1), Moby\_19 (C1), Moiqah\_19 (C1), OrediggerDelux\_24 (C1), PharkleMinkus\_30 (C1), Pupusa\_30 (C1), PurduePete\_24 (C1), SoilZilla\_22 (C1), Tainan\_30 (C1),

## Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:

•Start number 4 was manually annotated 3 times for cluster C1.

### **Gene Information:**

Gene: Atlantean\_24 Start: 7258, Stop: 7536, Start Num: 4

Candidate Starts for Atlantean\_24:

(1, 7195), (2, 7243), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: BigCity\_29 Start: 9318, Stop: 9596, Start Num: 4

Candidate Starts for BigCity\_29:

(1, 9255), (2, 9303), (3, 9315), (Start: 4 @9318 has 3 MA's),

Gene: Bowman\_24 Start: 8332, Stop: 8616, Start Num: 4

Candidate Starts for Bowman\_24:

(1, 8269), (2, 8317), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: Cleatunium\_21 Start: 7494, Stop: 7772, Start Num: 4

Candidate Starts for Cleatunium\_21:

(1, 7431), (2, 7479), (3, 7491), (Start: 4 @7494 has 3 MA's),

Gene: Concombre\_24 Start: 8288, Stop: 8566, Start Num: 4

Candidate Starts for Concombre\_24:

(1, 8225), (2, 8273), (3, 8285), (Start: 4 @8288 has 3 MA's),

Gene: Demodog\_23 Start: 8288, Stop: 8566, Start Num: 4

Candidate Starts for Demodog\_23:

(1, 8225), (2, 8273), (3, 8285), (Start: 4 @8288 has 3 MA's),

Gene: Dessert\_22 Start: 7258, Stop: 7536, Start Num: 4

Candidate Starts for Dessert\_22:

(1, 7195), (2, 7243), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: EggyFarm\_29 Start: 9318, Stop: 9596, Start Num: 4

Candidate Starts for EggyFarm\_29:

(1, 9255), (2, 9303), (3, 9315), (Start: 4 @9318 has 3 MA's),

Gene: Grasshills\_29 Start: 9318, Stop: 9596, Start Num: 4

Candidate Starts for Grasshills\_29:

(1, 9255), (2, 9303), (3, 9315), (Start: 4 @9318 has 3 MA's),

Gene: JayJay\_28 Start: 8309, Stop: 8587, Start Num: 4

Candidate Starts for JayJay\_28:

(1, 8246), (2, 8294), (3, 8306), (Start: 4 @8309 has 3 MA's),

Gene: JigglyPuff\_25 Start: 8337, Stop: 8615, Start Num: 4

Candidate Starts for JigglyPuff\_25:  
(1, 8274), (2, 8322), (3, 8334), (Start: 4 @8337 has 3 MA's),

Gene: Lee7\_24 Start: 8332, Stop: 8616, Start Num: 4  
Candidate Starts for Lee7\_24:  
(1, 8269), (2, 8317), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: LookingGlass\_27 Start: 8577, Stop: 8855, Start Num: 4  
Candidate Starts for LookingGlass\_27:  
(1, 8514), (2, 8562), (3, 8574), (Start: 4 @8577 has 3 MA's),

Gene: Moby\_19 Start: 5333, Stop: 5617, Start Num: 4  
Candidate Starts for Moby\_19:  
(1, 5270), (2, 5318), (3, 5330), (Start: 4 @5333 has 3 MA's),

Gene: Moiqah\_19 Start: 5333, Stop: 5617, Start Num: 4  
Candidate Starts for Moiqah\_19:  
(1, 5270), (2, 5318), (3, 5330), (Start: 4 @5333 has 3 MA's),

Gene: OrediggerDelux\_24 Start: 8332, Stop: 8616, Start Num: 4  
Candidate Starts for OrediggerDelux\_24:  
(1, 8269), (2, 8317), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: PharkleMinkus\_30 Start: 9912, Stop: 10190, Start Num: 4  
Candidate Starts for PharkleMinkus\_30:  
(1, 9849), (2, 9897), (3, 9909), (Start: 4 @9912 has 3 MA's),

Gene: Pupusa\_30 Start: 9911, Stop: 10189, Start Num: 4  
Candidate Starts for Pupusa\_30:  
(1, 9848), (2, 9896), (3, 9908), (Start: 4 @9911 has 3 MA's),

Gene: PurduePete\_24 Start: 8058, Stop: 8336, Start Num: 4  
Candidate Starts for PurduePete\_24:  
(1, 7995), (2, 8043), (3, 8055), (Start: 4 @8058 has 3 MA's),

Gene: SoilZilla\_22 Start: 8046, Stop: 8324, Start Num: 4  
Candidate Starts for SoilZilla\_22:  
(1, 7983), (2, 8031), (3, 8043), (Start: 4 @8046 has 3 MA's),

Gene: Tainan\_30 Start: 9911, Stop: 10189, Start Num: 4  
Candidate Starts for Tainan\_30:  
(1, 9848), (2, 9896), (3, 9908), (Start: 4 @9911 has 3 MA's),