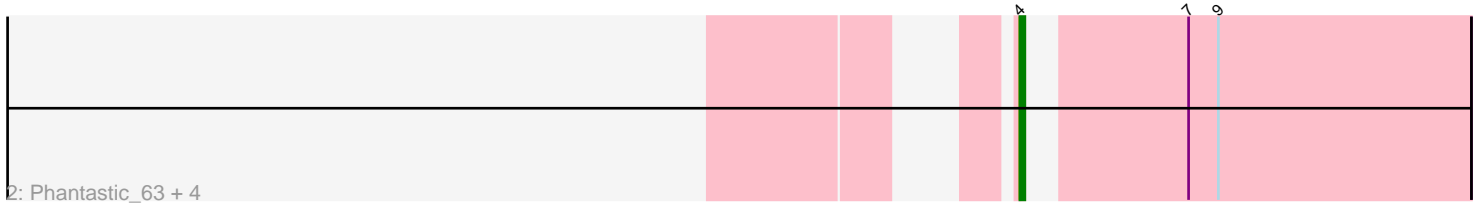
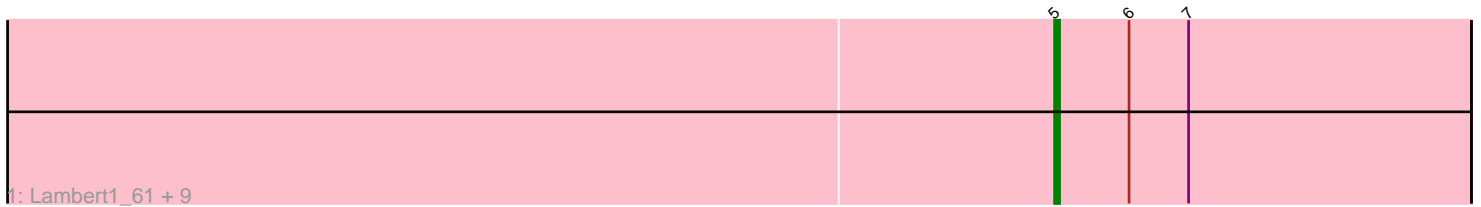


Pham 296903



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 296903 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296903 has 24 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Lambert1\_61, Noella\_61, QuinnKiro\_60, Todacoro\_61, Pocahontas\_61, Popcicle\_61, Margo\_61, Hookmount\_61, Caviar\_61, Panamaxus\_59
- Track 2 : Phantastic\_63, JF4\_60, JF2\_60, MK4\_62, Rockstar\_60
- Track 3 : Idleandcovert\_62, TNguyen7\_63, BlueBird\_64, MA5\_62, Giroux\_64
- Track 4 : BabyRay\_62
- Track 5 : Heathen\_62
- Track 6 : Sheen\_61
- Track 7 : PP\_62

### ***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 13 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BabyRay\_62, BlueBird\_64, Giroux\_64, Heathen\_62, Idleandcovert\_62, JF2\_60, JF4\_60, MA5\_62, MK4\_62, PP\_62, Phantastic\_63, Rockstar\_60, TNguyen7\_63,

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

- 

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

- Caviar\_61, Hookmount\_61, Lambert1\_61, Margo\_61, Noella\_61, Panamaxus\_59, Pocahontas\_61, Popcicle\_61, QuinnKiro\_60, Sheen\_61, Todacoro\_61,

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

Start 3:

- Found in 1 of 24 ( 4.2% ) of genes in pham
- Manual Annotations of this start: 1 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sheen\_61 (A7),

Start 4:

- Found in 13 of 24 ( 54.2% ) of genes in pham
- Manual Annotations of this start: 13 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BabyRay\_62 (A3), BlueBird\_64 (A3), Giroux\_64 (A3), Heathen\_62 (A3), Idleandcovert\_62 (A3), JF2\_60 (A3), JF4\_60 (A3), MA5\_62 (A3), MK4\_62 (A3), PP\_62 (A7), Phantastic\_63 (A3), Rockstar\_60 (A3), TNguyen7\_63 (A3),

Start 5:

- Found in 10 of 24 ( 41.7% ) of genes in pham
- Manual Annotations of this start: 10 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Caviar\_61 (A3), Hookmount\_61 (A3), Lambert1\_61 (A3), Margo\_61 (A3), Noella\_61 (A3), Panamaxus\_59 (A3), Pocahontas\_61 (A3), Popcicle\_61 (A3), QuinnKiro\_60 (A3), Todacoro\_61 (A3),

### **Summary by clusters:**

There are 2 clusters represented in this pham: A3, A7,

Info for manual annotations of cluster A3:

- Start number 4 was manually annotated 12 times for cluster A3.
- Start number 5 was manually annotated 10 times for cluster A3.

Info for manual annotations of cluster A7:

- Start number 3 was manually annotated 1 time for cluster A7.
- Start number 4 was manually annotated 1 time for cluster A7.

### **Gene Information:**

Gene: BabyRay\_62 Start: 39415, Stop: 39332, Start Num: 4

Candidate Starts for BabyRay\_62:

(Start: 4 @39415 has 13 MA's), (7, 39388), (11, 39364),

Gene: BlueBird\_64 Start: 39459, Stop: 39376, Start Num: 4

Candidate Starts for BlueBird\_64:

(Start: 4 @39459 has 13 MA's), (7, 39432),

Gene: Caviar\_61 Start: 39418, Stop: 39335, Start Num: 5

Candidate Starts for Caviar\_61:

(Start: 5 @39418 has 10 MA's), (6, 39403), (7, 39391),

Gene: Giroux\_64 Start: 39458, Stop: 39375, Start Num: 4

Candidate Starts for Giroux\_64:

(Start: 4 @39458 has 13 MA's), (7, 39431),

Gene: Heathen\_62 Start: 39153, Stop: 39070, Start Num: 4

Candidate Starts for Heathen\_62:

(2, 39222), (Start: 4 @39153 has 13 MA's), (7, 39126), (10, 39108),

Gene: Hookmount\_61 Start: 39419, Stop: 39336, Start Num: 5

Candidate Starts for Hookmount\_61:  
(Start: 5 @39419 has 10 MA's), (6, 39404), (7, 39392),

Gene: Idleandcovert\_62 Start: 39459, Stop: 39376, Start Num: 4  
Candidate Starts for Idleandcovert\_62:  
(Start: 4 @39459 has 13 MA's), (7, 39432),

Gene: JF2\_60 Start: 37619, Stop: 37536, Start Num: 4  
Candidate Starts for JF2\_60:  
(Start: 4 @37619 has 13 MA's), (7, 37592), (9, 37586),

Gene: JF4\_60 Start: 37619, Stop: 37536, Start Num: 4  
Candidate Starts for JF4\_60:  
(Start: 4 @37619 has 13 MA's), (7, 37592), (9, 37586),

Gene: Lambert1\_61 Start: 39418, Stop: 39335, Start Num: 5  
Candidate Starts for Lambert1\_61:  
(Start: 5 @39418 has 10 MA's), (6, 39403), (7, 39391),

Gene: MA5\_62 Start: 38819, Stop: 38736, Start Num: 4  
Candidate Starts for MA5\_62:  
(Start: 4 @38819 has 13 MA's), (7, 38792),

Gene: MK4\_62 Start: 38903, Stop: 38820, Start Num: 4  
Candidate Starts for MK4\_62:  
(Start: 4 @38903 has 13 MA's), (7, 38876), (9, 38870),

Gene: Margo\_61 Start: 39444, Stop: 39361, Start Num: 5  
Candidate Starts for Margo\_61:  
(Start: 5 @39444 has 10 MA's), (6, 39429), (7, 39417),

Gene: Noella\_61 Start: 39419, Stop: 39336, Start Num: 5  
Candidate Starts for Noella\_61:  
(Start: 5 @39419 has 10 MA's), (6, 39404), (7, 39392),

Gene: PP\_62 Start: 43352, Stop: 43272, Start Num: 4  
Candidate Starts for PP\_62:  
(2, 43421), (Start: 4 @43352 has 13 MA's), (8, 43322), (9, 43319), (12, 43283),

Gene: Panamaxus\_59 Start: 39418, Stop: 39335, Start Num: 5  
Candidate Starts for Panamaxus\_59:  
(Start: 5 @39418 has 10 MA's), (6, 39403), (7, 39391),

Gene: Phantastic\_63 Start: 39080, Stop: 38997, Start Num: 4  
Candidate Starts for Phantastic\_63:  
(Start: 4 @39080 has 13 MA's), (7, 39053), (9, 39047),

Gene: Pocahontas\_61 Start: 39415, Stop: 39332, Start Num: 5  
Candidate Starts for Pocahontas\_61:  
(Start: 5 @39415 has 10 MA's), (6, 39400), (7, 39388),

Gene: Popcicle\_61 Start: 39415, Stop: 39332, Start Num: 5  
Candidate Starts for Popcicle\_61:

(Start: 5 @39415 has 10 MA's), (6, 39400), (7, 39388),

Gene: QuinnKiro\_60 Start: 39418, Stop: 39335, Start Num: 5

Candidate Starts for QuinnKiro\_60:

(Start: 5 @39418 has 10 MA's), (6, 39403), (7, 39391),

Gene: Rockstar\_60 Start: 38912, Stop: 38829, Start Num: 4

Candidate Starts for Rockstar\_60:

(Start: 4 @38912 has 13 MA's), (7, 38885), (9, 38879),

Gene: Sheen\_61 Start: 42251, Stop: 42171, Start Num: 3

Candidate Starts for Sheen\_61:

(1, 42407), (2, 42317), (Start: 3 @42251 has 1 MA's), (6, 42236), (12, 42185),

Gene: TNguyen7\_63 Start: 39425, Stop: 39342, Start Num: 4

Candidate Starts for TNguyen7\_63:

(Start: 4 @39425 has 13 MA's), (7, 39398),

Gene: Todacoro\_61 Start: 39418, Stop: 39335, Start Num: 5

Candidate Starts for Todacoro\_61:

(Start: 5 @39418 has 10 MA's), (6, 39403), (7, 39391),