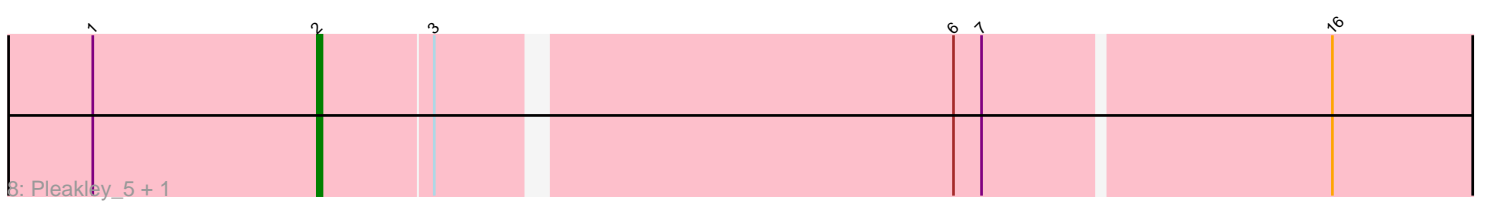
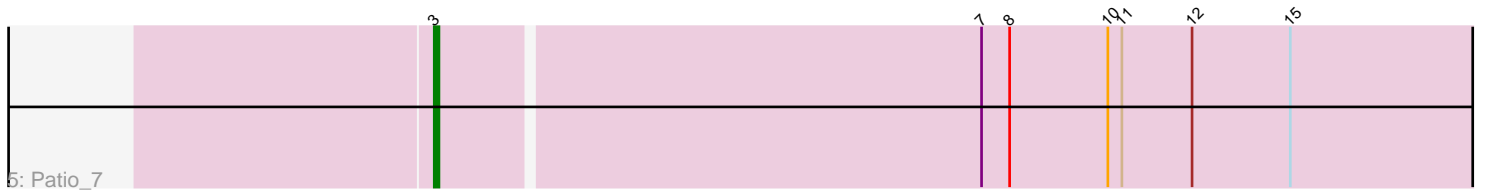
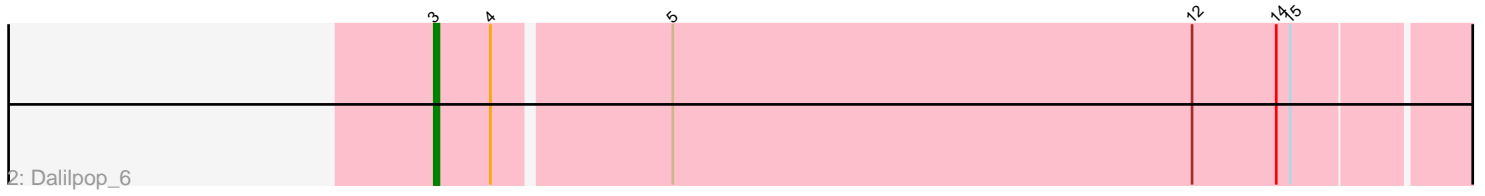
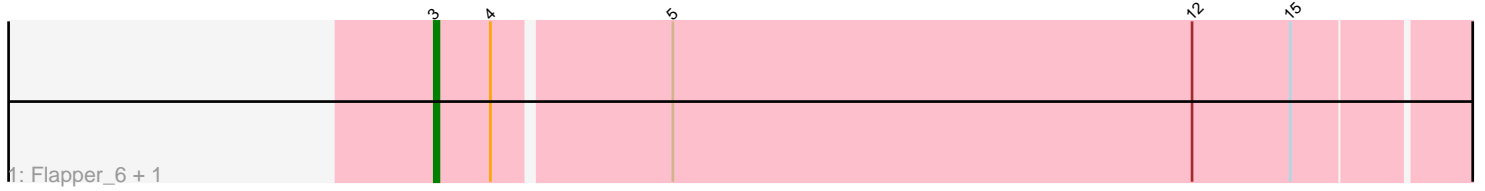


Pham 203455



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 203455 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203455 has 13 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Flapper\_6, GRU1\_89
- Track 2 : Dalilpop\_6
- Track 3 : GTE5\_88
- Track 4 : Turuncu\_6
- Track 5 : Patio\_7
- Track 6 : RedRaider\_6
- Track 7 : Lollipop1437\_6, Ennea\_6, Float294\_6, Skysand\_6
- Track 8 : Pleakley\_5, Fury\_5

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

The start number called the most often in the published annotations is 3, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dalilpop\_6, Ennea\_6, Flapper\_6, Float294\_6, GRU1\_89, Lollipop1437\_6, Patio\_7, RedRaider\_6, Skysand\_6,

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

- Fury\_5, GTE5\_88, Pleakley\_5, Turuncu\_6,

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

- 

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

Start 2:

- Found in 2 of 13 ( 15.4% ) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fury\_5 (CR5), Pleakley\_5 (CR5),

Start 3:

- Found in 13 of 13 ( 100.0% ) of genes in pham

- Manual Annotations of this start: 7 of 10
- Called 69.2% of time when present
- Phage (with cluster) where this start called: Dalilpop\_6 (CR1), Ennea\_6 (CR3), Flapper\_6 (CR1), Float294\_6 (CR3), GRU1\_89 (CR1), Lollipop1437\_6 (CR3), Patio\_7 (CR3), RedRaider\_6 (CR3), Skysand\_6 (CR3),

Start 4:

- Found in 5 of 13 ( 38.5% ) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 40.0% of time when present
- Phage (with cluster) where this start called: GTE5\_88 (CR1), Turuncu\_6 (CR1),

### **Summary by clusters:**

There are 3 clusters represented in this pham: CR3, CR1, CR5,

Info for manual annotations of cluster CR1:

- Start number 3 was manually annotated 2 times for cluster CR1.
- Start number 4 was manually annotated 1 time for cluster CR1.

Info for manual annotations of cluster CR3:

- Start number 3 was manually annotated 5 times for cluster CR3.

Info for manual annotations of cluster CR5:

- Start number 2 was manually annotated 2 times for cluster CR5.

### **Gene Information:**

Gene: Dalilpop\_6 Start: 4569, Stop: 4790, Start Num: 3

Candidate Starts for Dalilpop\_6:

(Start: 3 @4569 has 7 MA's), (Start: 4 @4581 has 1 MA's), (5, 4617), (12, 4728), (14, 4746), (15, 4749),

Gene: Ennea\_6 Start: 4376, Stop: 4606, Start Num: 3

Candidate Starts for Ennea\_6:

(Start: 3 @4376 has 7 MA's), (7, 4490), (8, 4496), (11, 4520), (12, 4535), (15, 4556),

Gene: Flapper\_6 Start: 3864, Stop: 4085, Start Num: 3

Candidate Starts for Flapper\_6:

(Start: 3 @3864 has 7 MA's), (Start: 4 @3876 has 1 MA's), (5, 3912), (12, 4023), (15, 4044),

Gene: Float294\_6 Start: 4362, Stop: 4592, Start Num: 3

Candidate Starts for Float294\_6:

(Start: 3 @4362 has 7 MA's), (7, 4476), (8, 4482), (11, 4506), (12, 4521), (15, 4542),

Gene: Fury\_5 Start: 2948, Stop: 3193, Start Num: 2

Candidate Starts for Fury\_5:

(1, 2900), (Start: 2 @2948 has 2 MA's), (Start: 3 @2972 has 7 MA's), (6, 3077), (7, 3083), (16, 3155),

Gene: GRU1\_89 Start: 62882, Stop: 63103, Start Num: 3

Candidate Starts for GRU1\_89:

(Start: 3 @62882 has 7 MA's), (Start: 4 @62894 has 1 MA's), (5, 62930), (12, 63041), (15, 63062),

Gene: GTE5\_88 Start: 63789, Stop: 63998, Start Num: 4

Candidate Starts for GTE5\_88:

(Start: 3 @63777 has 7 MA's), (Start: 4 @63789 has 1 MA's), (5, 63825), (12, 63936), (15, 63957),

Gene: Lollipop1437\_6 Start: 4364, Stop: 4594, Start Num: 3

Candidate Starts for Lollipop1437\_6:

(Start: 3 @4364 has 7 MA's), (7, 4478), (8, 4484), (11, 4508), (12, 4523), (15, 4544),

Gene: Patio\_7 Start: 5032, Stop: 5262, Start Num: 3

Candidate Starts for Patio\_7:

(Start: 3 @5032 has 7 MA's), (7, 5146), (8, 5152), (10, 5173), (11, 5176), (12, 5191), (15, 5212),

Gene: Pleakley\_5 Start: 2948, Stop: 3193, Start Num: 2

Candidate Starts for Pleakley\_5:

(1, 2900), (Start: 2 @2948 has 2 MA's), (Start: 3 @2972 has 7 MA's), (6, 3077), (7, 3083), (16, 3155),

Gene: RedRaider\_6 Start: 4303, Stop: 4524, Start Num: 3

Candidate Starts for RedRaider\_6:

(Start: 3 @4303 has 7 MA's), (7, 4420), (8, 4426), (9, 4432), (11, 4450), (13, 4480),

Gene: Skysand\_6 Start: 4364, Stop: 4594, Start Num: 3

Candidate Starts for Skysand\_6:

(Start: 3 @4364 has 7 MA's), (7, 4478), (8, 4484), (11, 4508), (12, 4523), (15, 4544),

Gene: Turuncu\_6 Start: 3772, Stop: 3981, Start Num: 4

Candidate Starts for Turuncu\_6:

(Start: 3 @3760 has 7 MA's), (Start: 4 @3772 has 1 MA's), (5, 3808), (12, 3919), (14, 3937), (15, 3940),