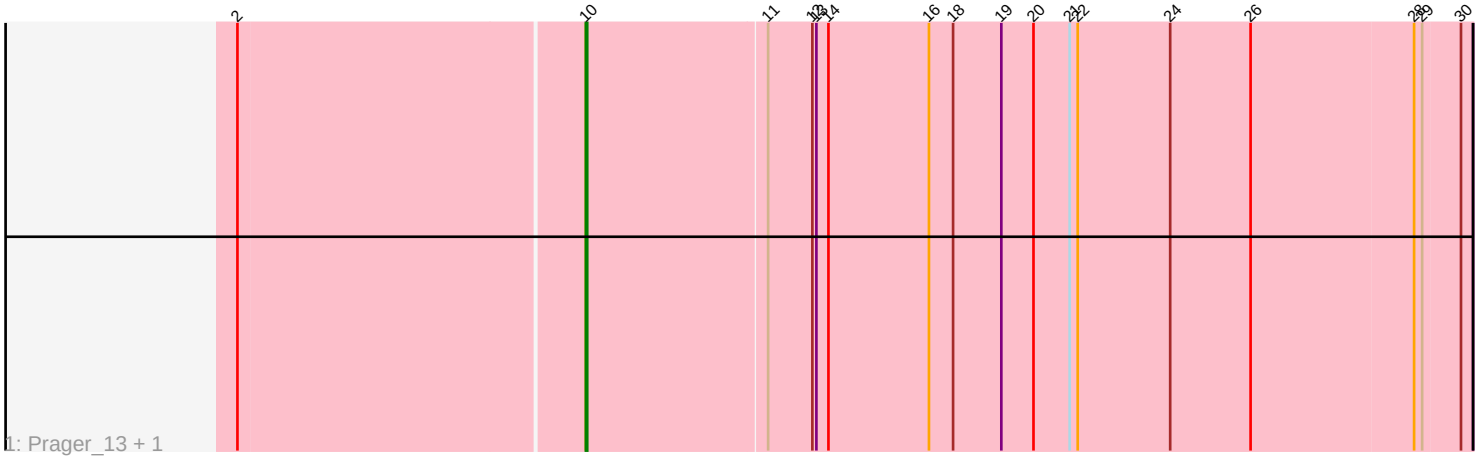
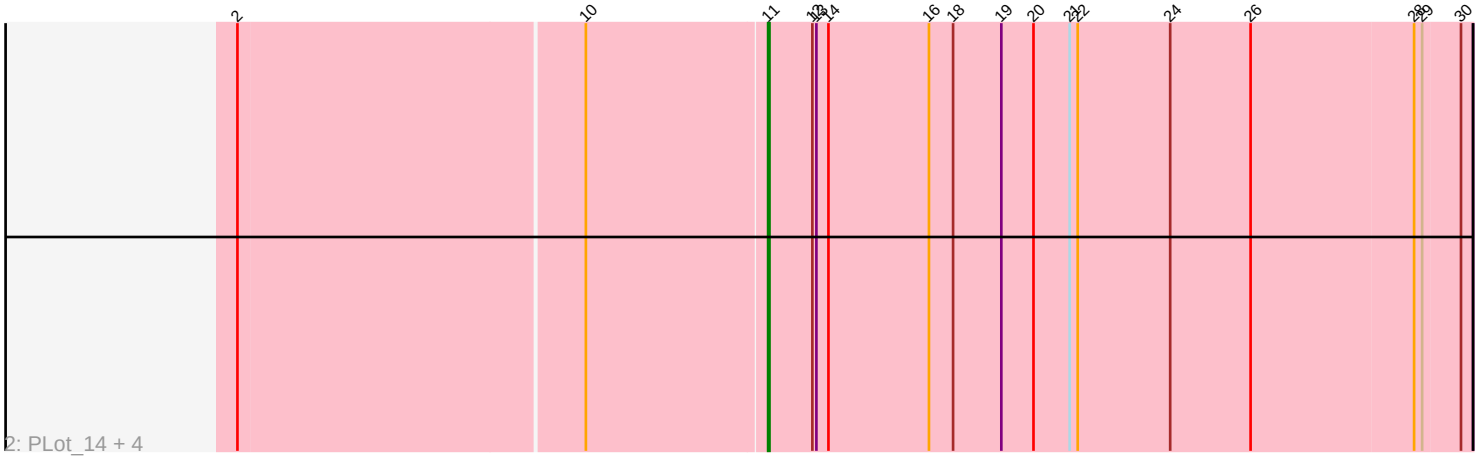
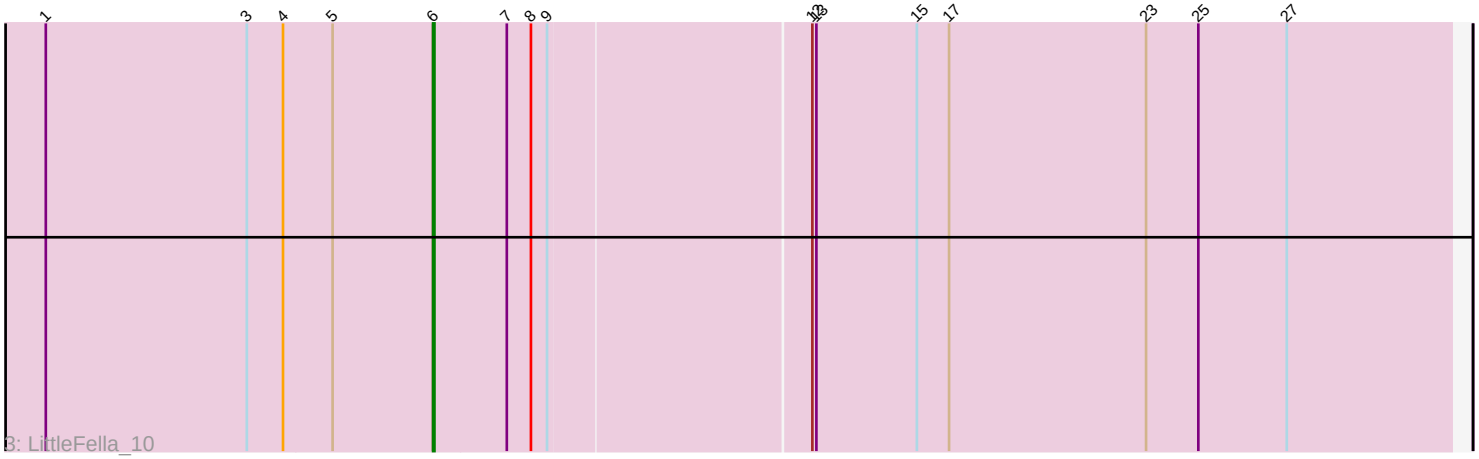
# Pham 197122


2
10
11
16
18
19
20
24
26
30
1: Prager_13 + 1


2
10
11
16
18
19
20
24
26
30
2: PLot_14 + 4


1
3
4
5
6
7
8
9
15
17
23
25
27
3: LittleFella_10

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 197122 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197122 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Prager_13, PBI1_14
• Track 2 : PLot_14, Adjutor_14, Chill_14, WaldoWhy_14, Helpful_14
• Track 3 : LittleFella_10

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

The start number called the most often in the published annotations is 11, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adjutor_14, Chill_14, Helpful_14, PLot_14, WaldoWhy_14,

Genes that have the "Most Annotated" start but do not call it:
• PBI1_14, Prager_13,

Genes that do not have the "Most Annotated" start:
• LittleFella_10,

**Summary by start number:**

Start 6:
• Found in 1 of 8 ( 12.5% ) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LittleFella_10 (DG2),

Start 10:
• Found in 7 of 8 ( 87.5% ) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 28.6% of time when present
• Phage (with cluster) where this start called: PBI1_14 (D1), Prager_13 (D1),

Start 11:
• Found in 7 of 8 ( 87.5% ) of genes in pham

• Manual Annotations of this start: 5 of 7
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Adjutor_14 (D1), Chill_14 (D1), Helpful_14 (D1), PLot_14 (D1), WaldoWhy_14 (D1),

**Summary by clusters:**

There are 2 clusters represented in this pham: DG2, D1,

Info for manual annotations of cluster D1:
•Start number 10 was manually annotated 1 time for cluster D1.
•Start number 11 was manually annotated 5 times for cluster D1.

Info for manual annotations of cluster DG2:
•Start number 6 was manually annotated 1 time for cluster DG2.

***Gene Information:***

Gene: Adjutor_14 Start: 9115, Stop: 9636, Start Num: 11
Candidate Starts for Adjutor_14:
(2, 8731), (Start: 10 @8983 has 1 MA's), (Start: 11 @9115 has 5 MA's), (12, 9148), (13, 9151), (14, 9160), (16, 9235), (18, 9253), (19, 9289), (20, 9313), (21, 9340), (22, 9346), (24, 9415), (26, 9475), (28, 9595), (29, 9601), (30, 9628),

Gene: Chill_14 Start: 9178, Stop: 9699, Start Num: 11
Candidate Starts for Chill_14:
(2, 8794), (Start: 10 @9046 has 1 MA's), (Start: 11 @9178 has 5 MA's), (12, 9211), (13, 9214), (14, 9223), (16, 9298), (18, 9316), (19, 9352), (20, 9376), (21, 9403), (22, 9409), (24, 9478), (26, 9538), (28, 9658), (29, 9664), (30, 9691),

Gene: Helpful_14 Start: 9175, Stop: 9696, Start Num: 11
Candidate Starts for Helpful_14:
(2, 8791), (Start: 10 @9043 has 1 MA's), (Start: 11 @9175 has 5 MA's), (12, 9208), (13, 9211), (14, 9220), (16, 9295), (18, 9313), (19, 9349), (20, 9373), (21, 9400), (22, 9406), (24, 9475), (26, 9535), (28, 9655), (29, 9661), (30, 9688),

Gene: LittleFella_10 Start: 7738, Stop: 8487, Start Num: 6
Candidate Starts for LittleFella_10:
(1, 7450), (3, 7600), (4, 7627), (5, 7663), (Start: 6 @7738 has 1 MA's), (7, 7792), (8, 7810), (9, 7822), (12, 8011), (13, 8014), (15, 8089), (17, 8113), (23, 8260), (25, 8299), (27, 8365),

Gene: PBI1_14 Start: 8974, Stop: 9627, Start Num: 10
Candidate Starts for PBI1_14:
(2, 8722), (Start: 10 @8974 has 1 MA's), (Start: 11 @9106 has 5 MA's), (12, 9139), (13, 9142), (14, 9151), (16, 9226), (18, 9244), (19, 9280), (20, 9304), (21, 9331), (22, 9337), (24, 9406), (26, 9466), (28, 9586), (29, 9592), (30, 9619),

Gene: PLot_14 Start: 9178, Stop: 9699, Start Num: 11
Candidate Starts for PLot_14:
(2, 8794), (Start: 10 @9046 has 1 MA's), (Start: 11 @9178 has 5 MA's), (12, 9211), (13, 9214), (14, 9223), (16, 9298), (18, 9316), (19, 9352), (20, 9376), (21, 9403), (22, 9409), (24, 9478), (26, 9538),

(28, 9658), (29, 9664), (30, 9691),

Gene: Prager_13 Start: 9052, Stop: 9705, Start Num: 10
Candidate Starts for Prager_13:
(2, 8800), (Start: 10 @9052 has 1 MA's), (Start: 11 @9184 has 5 MA's), (12, 9217), (13, 9220), (14, 9229), (16, 9304), (18, 9322), (19, 9358), (20, 9382), (21, 9409), (22, 9415), (24, 9484), (26, 9544), (28, 9664), (29, 9670), (30, 9697),

Gene: WaldoWhy_14 Start: 9178, Stop: 9699, Start Num: 11
Candidate Starts for WaldoWhy_14:
(2, 8794), (Start: 10 @9046 has 1 MA's), (Start: 11 @9178 has 5 MA's), (12, 9211), (13, 9214), (14, 9223), (16, 9298), (18, 9316), (19, 9352), (20, 9376), (21, 9403), (22, 9409), (24, 9478), (26, 9538), (28, 9658), (29, 9664), (30, 9691),