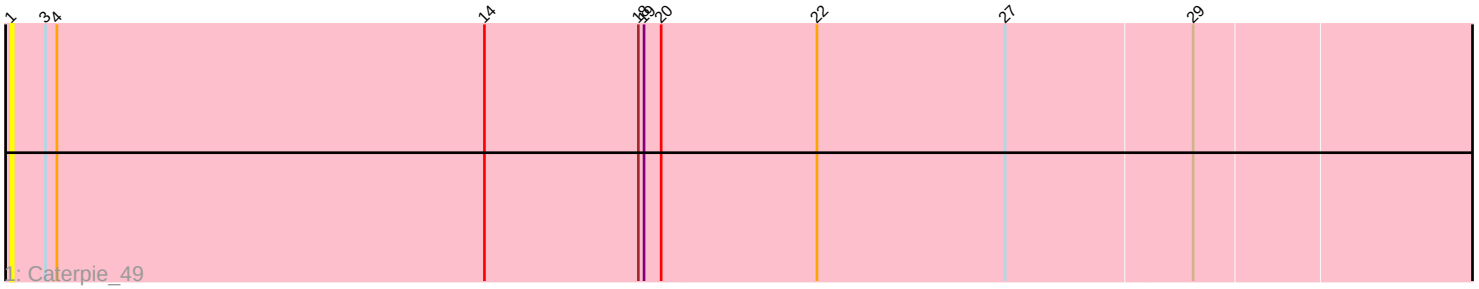
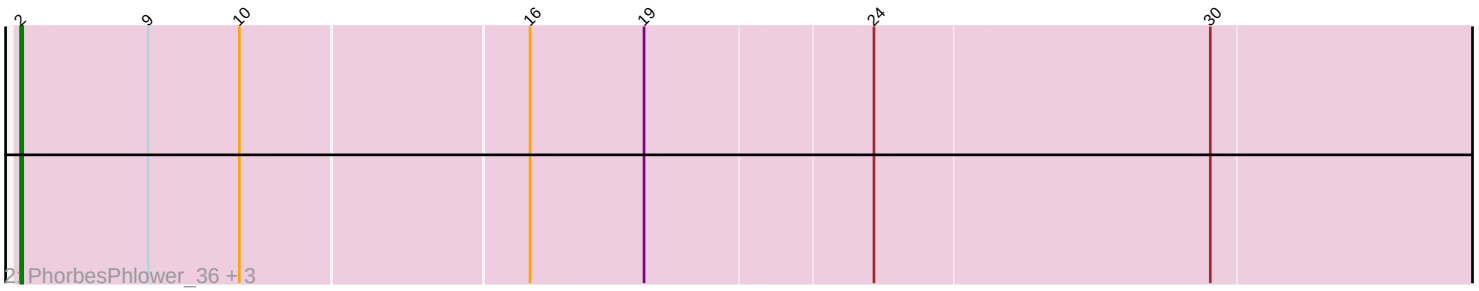
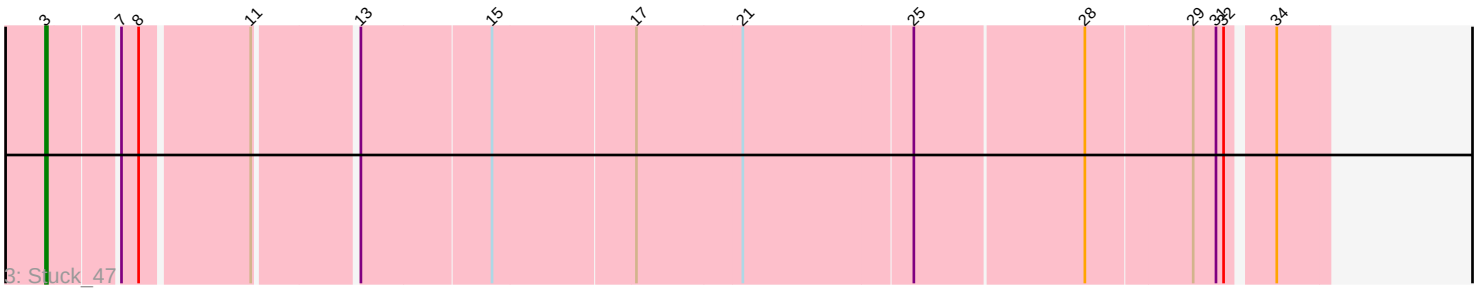
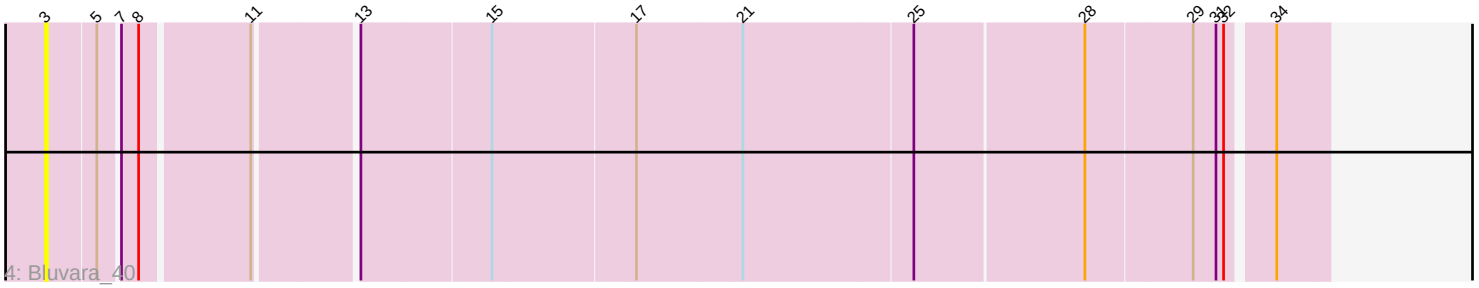
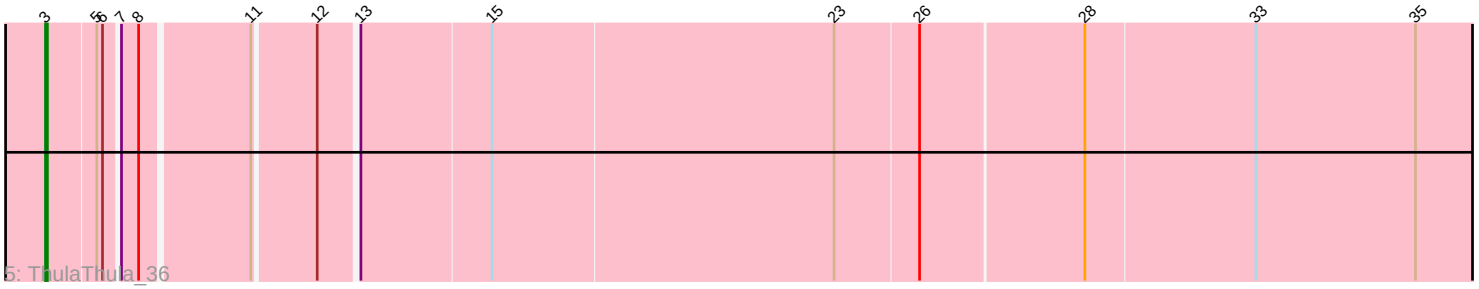
Pham 348338


1
3
4
14
18
19
20
22
27
29
1: Caterpie_49


2
9
10
16
19
24
30
2: PhorbesPhlower_36 +3


3
7
8
11
13
15
17
21
25
28
29
31
32
34
3: Stuck_47


3
5
7
8
11
13
15
17
21
25
28
29
31
32
34
4: Bluvara_40


3
5
6
7
8
11
12
13
15
23
26
28
33
35
5: TaulaThula_36

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 348338 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348338 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Caterpie_49
• Track 2 : PhorbesPhlower_36, Crater_52, Phistory_54, Apricot_52
• Track 3 : Stuck_47
• Track 4 : Bluvara_40
• Track 5 : ThulaThula_36

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

The start number called the most often in the published annotations is 2, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Apricot_52, Crater_52, Phistory_54, PhorbesPhlower_36,

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

Genes that do not have the "Most Annotated" start:
• Bluvara_40, Caterpie_49, Stuck_47, ThulaThula_36,

Summary by start number:

Start 1:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Caterpie_49 (AD),

Start 2:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Apricot_52 (DN3), Crater_52 (DN3), Phistory_54 (DN1), PhorbesPhlower_36 (DH),

Start 3:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Bluvara_40 (I3), Stuck_47 (I2), ThulaThula_36 (P5),

Summary by clusters:

There are 7 clusters represented in this pham: AD, DH, P5, I3, I2, DN1, DN3,

Info for manual annotations of cluster DH:
•Start number 2 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DN1:
•Start number 2 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster DN3:
•Start number 2 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster I2:
•Start number 3 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster P5:
•Start number 3 was manually annotated 1 time for cluster P5.

Gene Information:

Gene: Apricot_52 Start: 34675, Stop: 33923, Start Num: 2
Candidate Starts for Apricot_52:
(Start: 2 @34675 has 4 MA's), (9, 34609), (10, 34561), (16, 34414), (19, 34354), (24, 34240), (30, 34066),

Gene: Bluvara_40 Start: 33217, Stop: 32591, Start Num: 3
Candidate Starts for Bluvara_40:
(Start: 3 @33217 has 2 MA's), (5, 33193), (7, 33184), (8, 33175), (11, 33121), (13, 33073), (15, 33007), (17, 32935), (21, 32881), (25, 32794), (28, 32707), (29, 32653), (31, 32641), (32, 32638), (34, 32617),

Gene: Caterpie_49 Start: 43210, Stop: 42446, Start Num: 1
Candidate Starts for Caterpie_49:
(1, 43210), (Start: 3 @43192 has 2 MA's), (4, 43186), (14, 42961), (18, 42880), (19, 42877), (20, 42868), (22, 42787), (27, 42688), (29, 42592),

Gene: Crater_52 Start: 35070, Stop: 34318, Start Num: 2
Candidate Starts for Crater_52:
(Start: 2 @35070 has 4 MA's), (9, 35004), (10, 34956), (16, 34809), (19, 34749), (24, 34635), (30, 34461),

Gene: Phistory_54 Start: 35622, Stop: 34870, Start Num: 2
Candidate Starts for Phistory_54:
(Start: 2 @35622 has 4 MA's), (9, 35556), (10, 35508), (16, 35361), (19, 35301), (24, 35187), (30, 35013),

Gene: PhorbesPhlower_36 Start: 28118, Stop: 27366, Start Num: 2
Candidate Starts for PhorbesPhlower_36:
(Start: 2 @28118 has 4 MA's), (9, 28052), (10, 28004), (16, 27857), (19, 27797), (24, 27683), (30, 27509),

Gene: Stuck_47 Start: 38070, Stop: 37444, Start Num: 3
Candidate Starts for Stuck_47:
(Start: 3 @38070 has 2 MA's), (7, 38037), (8, 38028), (11, 37974), (13, 37926), (15, 37860), (17, 37788), (21, 37734), (25, 37647), (28, 37560), (29, 37506), (31, 37494), (32, 37491), (34, 37470),

Gene: ThulaThula_36 Start: 31009, Stop: 30287, Start Num: 3
Candidate Starts for ThulaThula_36:
(Start: 3 @31009 has 2 MA's), (5, 30985), (6, 30982), (7, 30976), (8, 30967), (11, 30913), (12, 30883), (13, 30865), (15, 30799), (23, 30625), (26, 30583), (28, 30499), (33, 30412), (35, 30328),