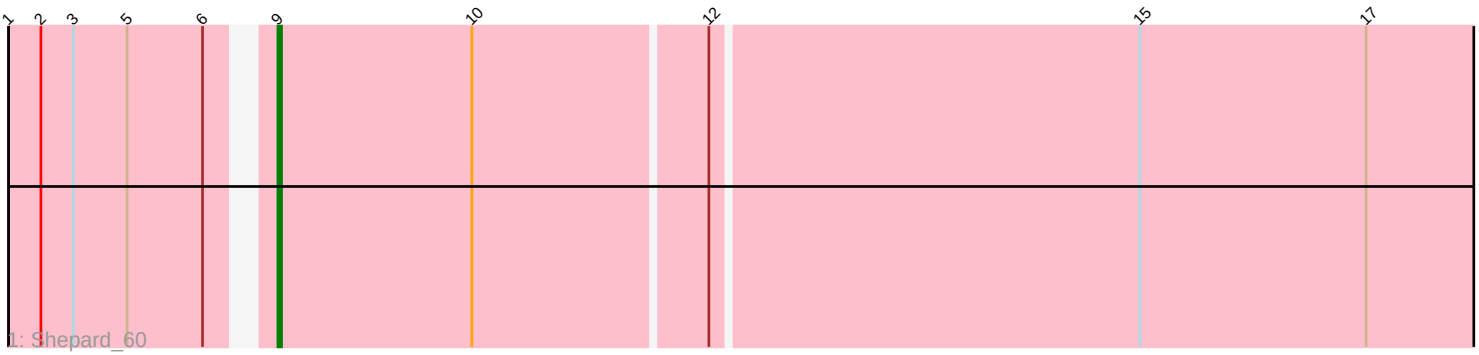
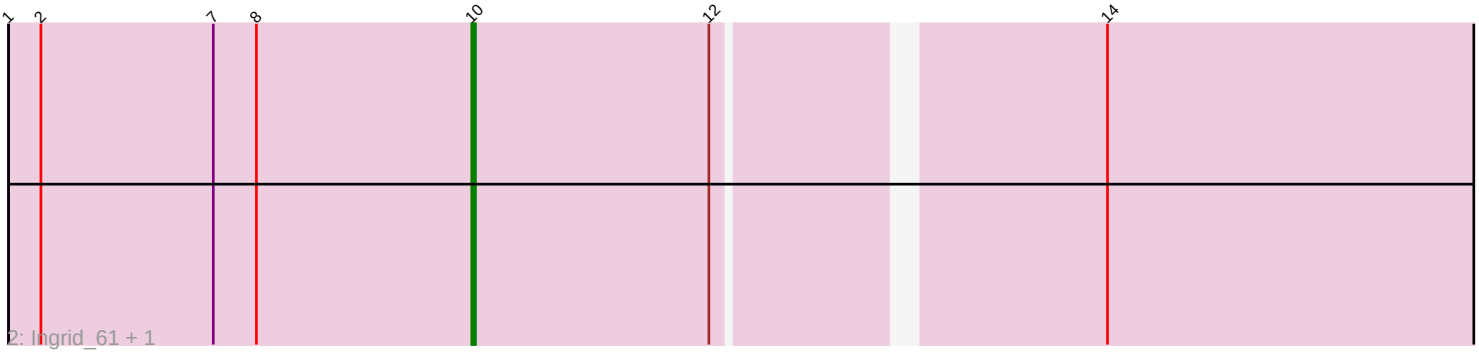
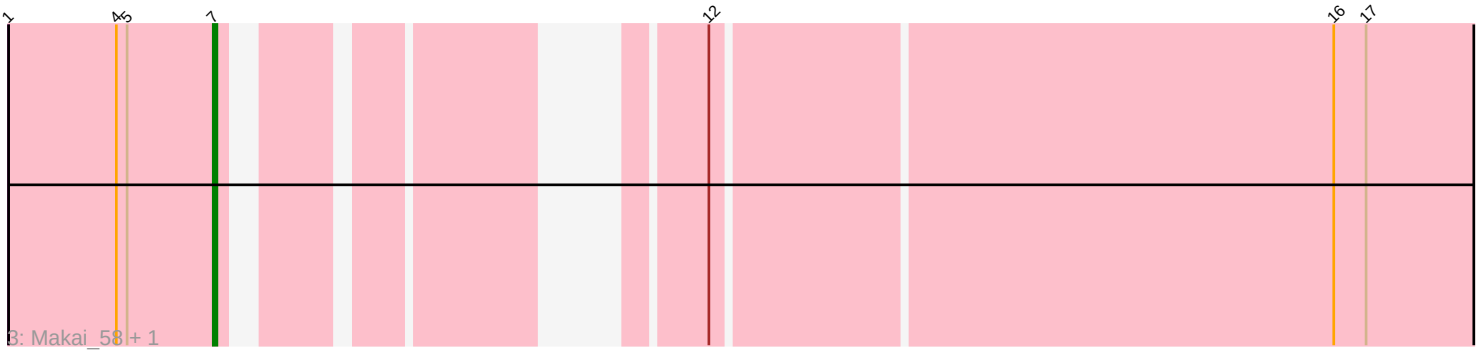
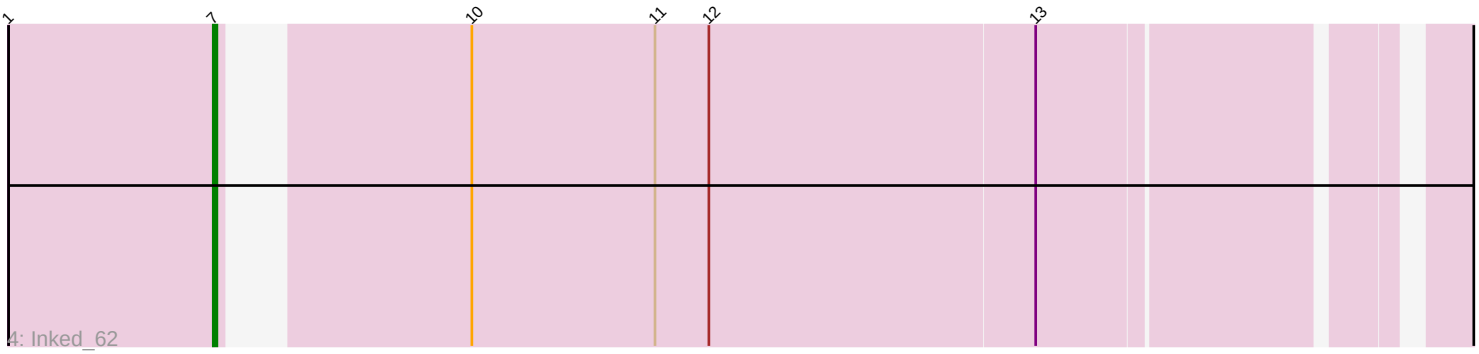
Pham 342940


1
2
3
5
6
9
10
12
15
17
1: Shepard_60


1
2
7
8
10
12
14
2: Ingrid_61 + 1


1
4
5
7
12
16
17
3: Makai_58 + 1


1
7
10
11
12
13
4: Inked_62

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 342940 Report

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

Pham number 342940 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Shepard_60
• Track 2 : Ingrid_61, Loretta_58
• Track 3 : Makai_58, Truckee_56
• Track 4 : Inked_62

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

The start number called the most often in the published annotations is 7, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Inked_62, Makai_58, Truckee_56,

Genes that have the "Most Annotated" start but do not call it:
• Ingrid_61, Loretta_58,

Genes that do not have the "Most Annotated" start:
• Shepard_60,

Summary by start number:

Start 7:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Inked_62 (AU7), Makai_58 (AU5), Truckee_56 (AU5),

Start 9:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shepard_60 (AU2),

Start 10:
• Found in 4 of 6 (66.7%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Ingrid_61 (AU3), Loretta_58 (AU3),

Summary by clusters:

There are 4 clusters represented in this pham: AU3, AU2, AU5, AU7,

Info for manual annotations of cluster AU2:
•Start number 9 was manually annotated 1 time for cluster AU2.

Info for manual annotations of cluster AU3:
•Start number 10 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AU5:
•Start number 7 was manually annotated 2 times for cluster AU5.

Info for manual annotations of cluster AU7:
•Start number 7 was manually annotated 1 time for cluster AU7.

Gene Information:

Gene: Ingrid_61 Start: 42475, Stop: 42756, Start Num: 10
Candidate Starts for Ingrid_61:
(1, 42346), (2, 42355), (Start: 7 @42403 has 3 MA's), (8, 42415), (Start: 10 @42475 has 2 MA's), (12, 42541), (14, 42640),

Gene: Inked_62 Start: 43520, Stop: 43852, Start Num: 7
Candidate Starts for Inked_62:
(1, 43463), (Start: 7 @43520 has 3 MA's), (Start: 10 @43574 has 2 MA's), (11, 43625), (12, 43640), (13, 43730),

Gene: Loretta_58 Start: 42475, Stop: 42756, Start Num: 10
Candidate Starts for Loretta_58:
(1, 42346), (2, 42355), (Start: 7 @42403 has 3 MA's), (8, 42415), (Start: 10 @42475 has 2 MA's), (12, 42541), (14, 42640),

Gene: Makai_58 Start: 42556, Stop: 42873, Start Num: 7
Candidate Starts for Makai_58:
(1, 42499), (4, 42529), (5, 42532), (Start: 7 @42556 has 3 MA's), (12, 42649), (16, 42817), (17, 42826),

Gene: Shepard_60 Start: 42312, Stop: 42653, Start Num: 9
Candidate Starts for Shepard_60:
(1, 42246), (2, 42255), (3, 42264), (5, 42279), (6, 42300), (Start: 9 @42312 has 1 MA's), (Start: 10 @42366 has 2 MA's), (12, 42429), (15, 42546), (17, 42609),

Gene: Truckee_56 Start: 42346, Stop: 42663, Start Num: 7
Candidate Starts for Truckee_56:
(1, 42289), (4, 42319), (5, 42322), (Start: 7 @42346 has 3 MA's), (12, 42439), (16, 42607), (17, 42616),