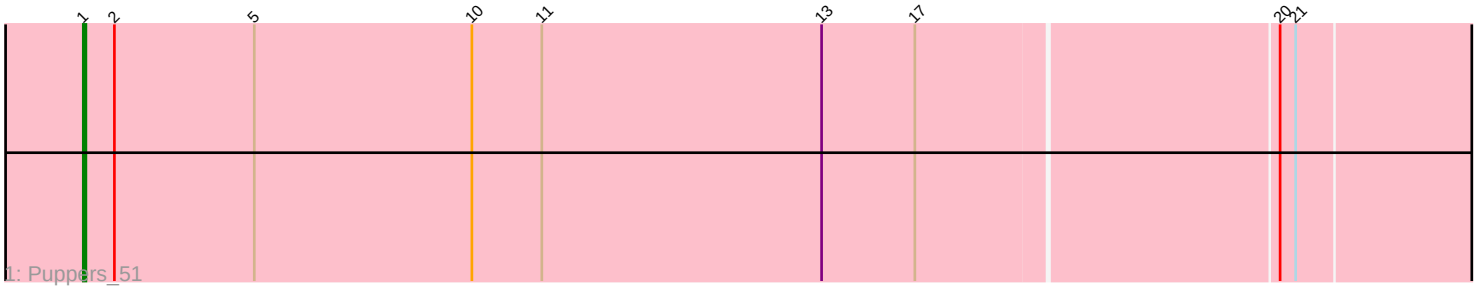
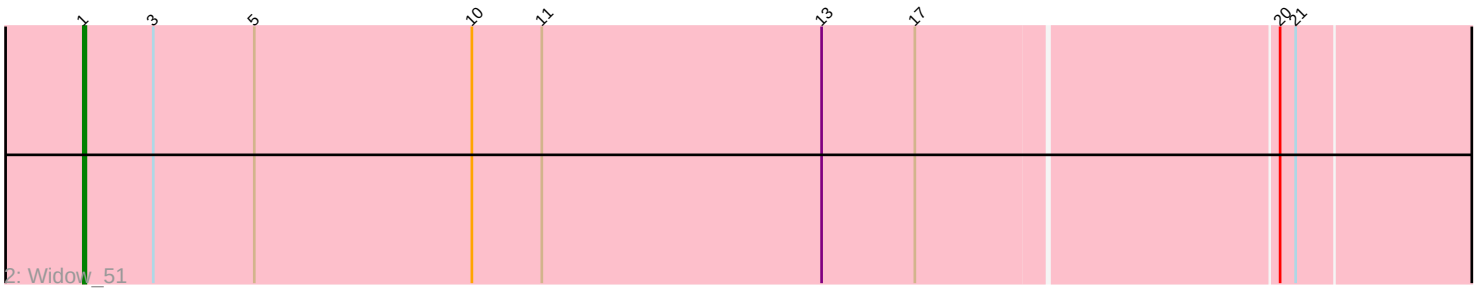
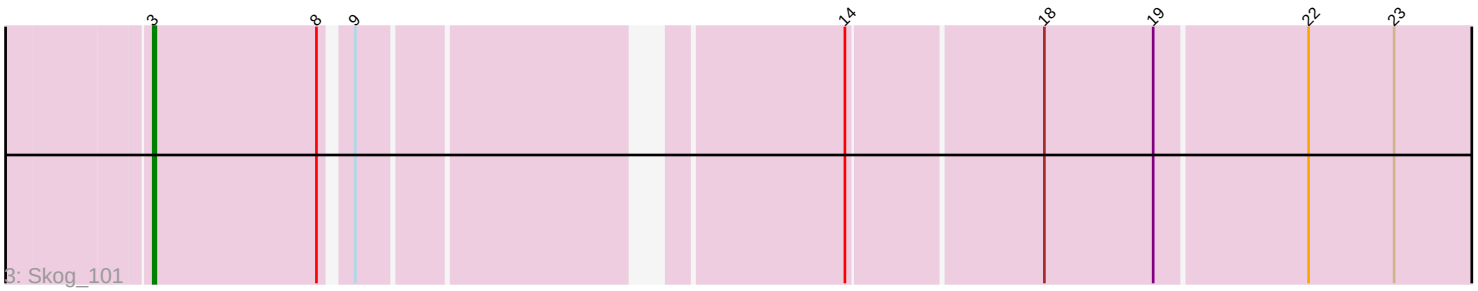
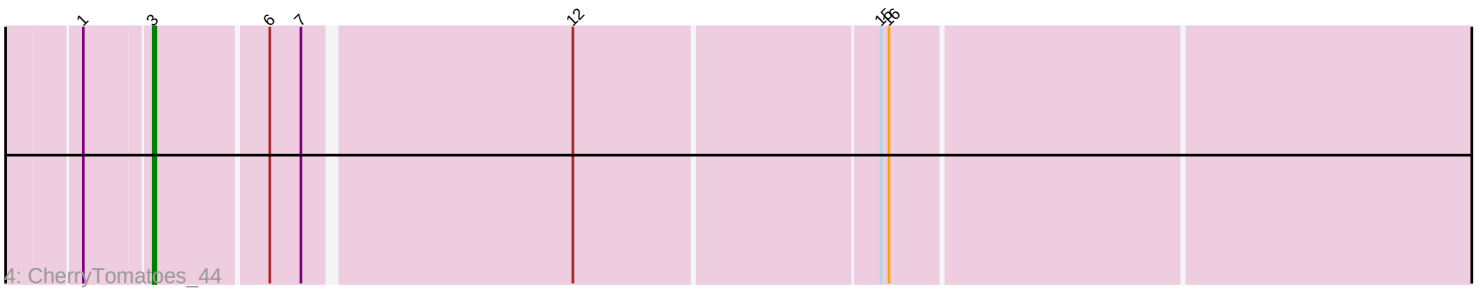
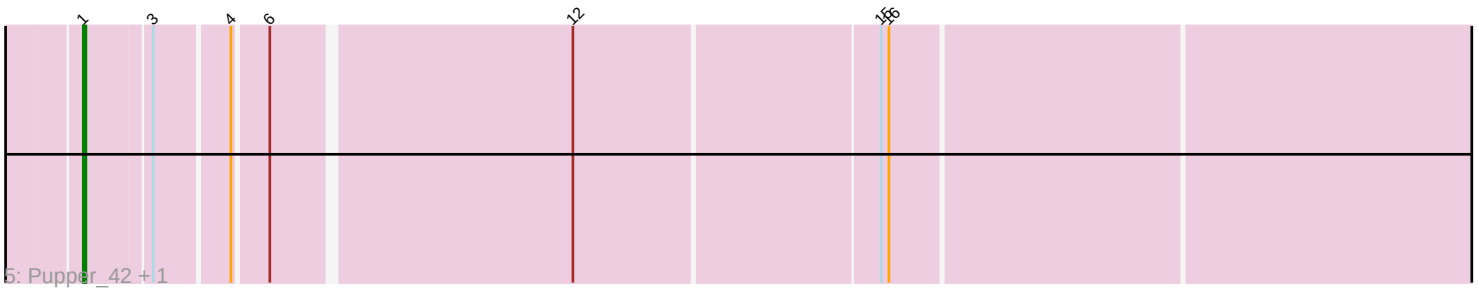
Pham 346571


1
2
5
10
11
13
17
20
21
1: Puppers_51


1
3
5
10
11
13
17
20
21
2: Widow_51


3
8
9
14
18
19
22
23
3: Skog_101


1
3
6
7
12
15
16
4: CherryTomatoes_44


1
3
4
6
12
15
16
5: Pupper_42 + 1

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 346571 Report

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

Pham number 346571 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Puppers_51
• Track 2 : Widow_51
• Track 3 : Skog_101
• Track 4 : CherryTomatoes_44
• Track 5 : Pupper_42, SCentae_42

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

The start number called the most often in the published annotations is 1, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Pupper_42, Puppers_51, SCentae_42, Widow_51,

Genes that have the "Most Annotated" start but do not call it:
• CherryTomatoes_44,

Genes that do not have the "Most Annotated" start:
• Skog_101,

Summary by start number:

Start 1:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Pupper_42 (DO), Puppers_51 (CD), SCentae_42 (DO), Widow_51 (CD),

Start 3:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 40.0% of time when present

• Phage (with cluster) where this start called: CherryTomatoes_44 (DO), Skog_101 (DO),

Summary by clusters:

There are 2 clusters represented in this pham: DO, CD,

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

Info for manual annotations of cluster DO:
•Start number 1 was manually annotated 2 times for cluster DO.
•Start number 3 was manually annotated 2 times for cluster DO.

Gene Information:

Gene: CherryTomatoes_44 Start: 14764, Stop: 15276, Start Num: 3
Candidate Starts for CherryTomatoes_44:
(Start: 1 @14740 has 4 MA's), (Start: 3 @14764 has 2 MA's), (6, 14806), (7, 14818), (12, 14917), (15, 15031), (16, 15034),

Gene: Pupper_42 Start: 14420, Stop: 14953, Start Num: 1
Candidate Starts for Pupper_42:
(Start: 1 @14420 has 4 MA's), (Start: 3 @14444 has 2 MA's), (4, 14471), (6, 14483), (12, 14594), (15, 14708), (16, 14711),

Gene: Puppers_51 Start: 38017, Stop: 37466, Start Num: 1
Candidate Starts for Puppers_51:
(Start: 1 @38017 has 4 MA's), (2, 38005), (5, 37951), (10, 37867), (11, 37840), (13, 37732), (17, 37696), (20, 37561), (21, 37555),

Gene: SCentae_42 Start: 14419, Stop: 14952, Start Num: 1
Candidate Starts for SCentae_42:
(Start: 1 @14419 has 4 MA's), (Start: 3 @14443 has 2 MA's), (4, 14470), (6, 14482), (12, 14593), (15, 14707), (16, 14710),

Gene: Skog_101 Start: 41477, Stop: 41971, Start Num: 3
Candidate Starts for Skog_101:
(Start: 3 @41477 has 2 MA's), (8, 41540), (9, 41549), (14, 41714), (18, 41786), (19, 41828), (22, 41885), (23, 41918),

Gene: Widow_51 Start: 38558, Stop: 38007, Start Num: 1
Candidate Starts for Widow_51:
(Start: 1 @38558 has 4 MA's), (Start: 3 @38531 has 2 MA's), (5, 38492), (10, 38408), (11, 38381), (13, 38273), (17, 38237), (20, 38102), (21, 38096),