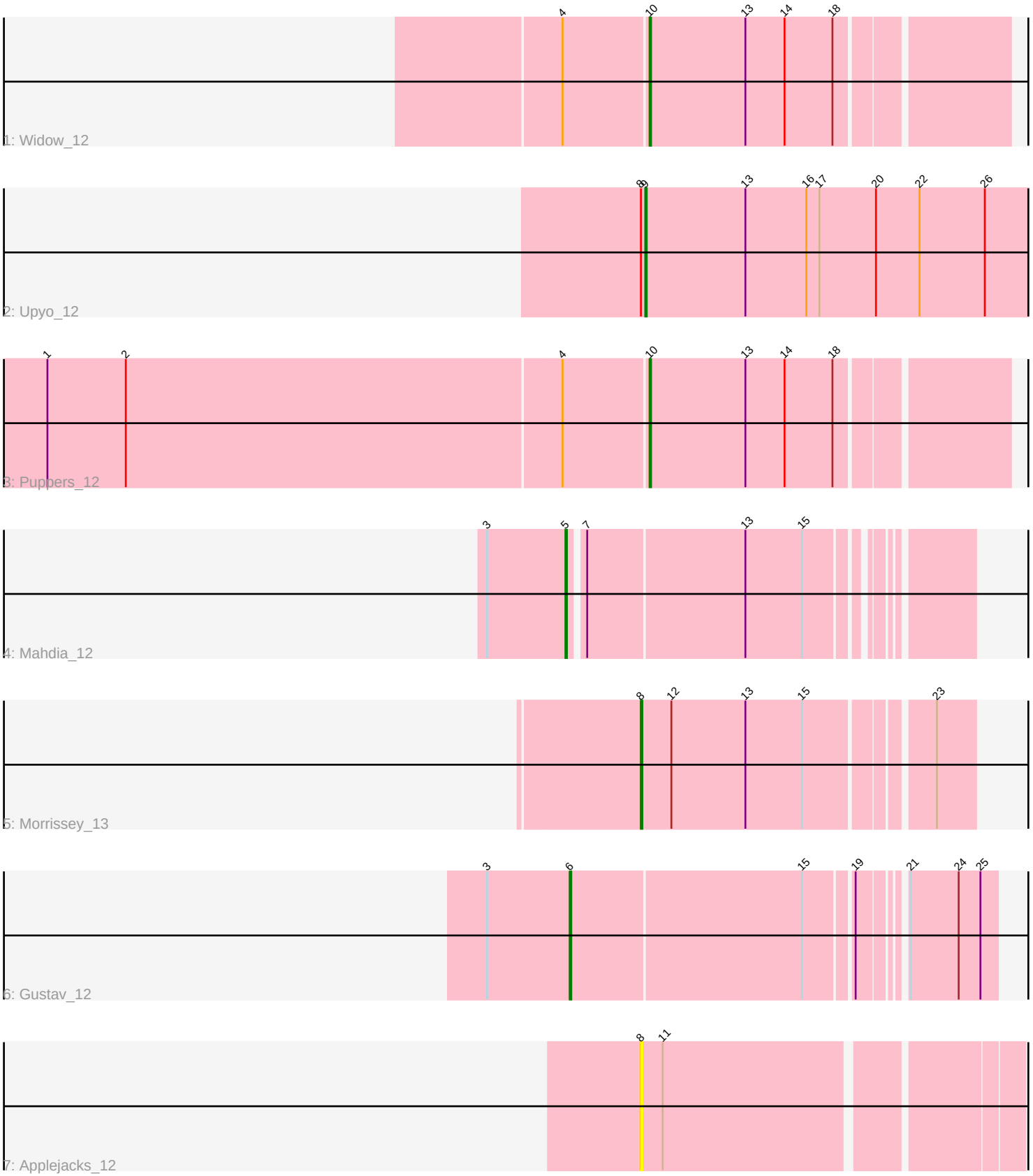
Pham 316356


4
10
13
14
18
1: Widow_12
8
9
13
16
17
20
22
26
2: Upyo_12
1
2
4
10
13
14
18
3: Puppers_12
3
5
7
13
15
4: Mahdia_12
8
12
13
15
23
5: Morrissey_13
3
6
15
19
21
24
25
6: Gustav_12
8
11
7: Applejacks_12

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 316356 Report

This analysis was run 09/05/26 on database version 662.

Pham number 316356 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Widow_12
• Track 2 : Upyo_12
• Track 3 : Puppers_12
• Track 4 : Mahdia_12
• Track 5 : Morrissey_13
• Track 6 : Gustav_12
• Track 7 : Applejacks_12

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

The start number called the most often in the published annotations is 10, it was called in 2 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Puppers_12, Widow_12,

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

Genes that do not have the "Most Annotated" start:
• Applejacks_12, Gustav_12, Mahdia_12, Morrissey_13, Upyo_12,

Summary by start number:

Start 5:
• Found in 1 of 7 (14.3%) 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: Mahdia_12 (CD),

Start 6:
• Found in 1 of 7 (14.3%) 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: Gustav_12 (CD),

Start 8:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Applejacks_12 (CD), Morrissey_13 (CD),

Start 9:
• Found in 1 of 7 (14.3%) 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: Upyo_12 (CD),

Start 10:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Puppers_12 (CD), Widow_12 (CD),

Summary by clusters:

There is one cluster represented in this pham: CD

Info for manual annotations of cluster CD:
•Start number 5 was manually annotated 1 time for cluster CD.
•Start number 6 was manually annotated 1 time for cluster CD.
•Start number 8 was manually annotated 1 time for cluster CD.
•Start number 9 was manually annotated 1 time for cluster CD.
•Start number 10 was manually annotated 2 times for cluster CD.

Gene Information:

Gene: Applejacks_12 Start: 8118, Stop: 8363, Start Num: 8
Candidate Starts for Applejacks_12:
(Start: 8 @8118 has 1 MA's), (11, 8133),

Gene: Gustav_12 Start: 8188, Stop: 8457, Start Num: 6
Candidate Starts for Gustav_12:
(3, 8131), (Start: 6 @8188 has 1 MA's), (15, 8344), (19, 8374), (21, 8398), (24, 8431), (25, 8446),

Gene: Mahdia_12 Start: 8190, Stop: 8435, Start Num: 5
Candidate Starts for Mahdia_12:
(3, 8136), (Start: 5 @8190 has 1 MA's), (7, 8199), (13, 8304), (15, 8343),

Gene: Morrissey_13 Start: 8583, Stop: 8798, Start Num: 8
Candidate Starts for Morrissey_13:
(Start: 8 @8583 has 1 MA's), (12, 8604), (13, 8655), (15, 8694), (23, 8772),

Gene: Puppers_12 Start: 8109, Stop: 8345, Start Num: 10
Candidate Starts for Puppers_12:

(1, 7701), (2, 7755), (4, 8052), (Start: 10 @8109 has 2 MA's), (13, 8175), (14, 8202), (18, 8235),

Gene: Upyo_12 Start: 8118, Stop: 8456, Start Num: 9
Candidate Starts for Upyo_12:
(Start: 8 @8115 has 1 MA's), (Start: 9 @8118 has 1 MA's), (13, 8187), (16, 8229), (17, 8238), (20, 8277), (22, 8307), (26, 8352),

Gene: Widow_12 Start: 8100, Stop: 8336, Start Num: 10
Candidate Starts for Widow_12:
(4, 8043), (Start: 10 @8100 has 2 MA's), (13, 8166), (14, 8193), (18, 8226),