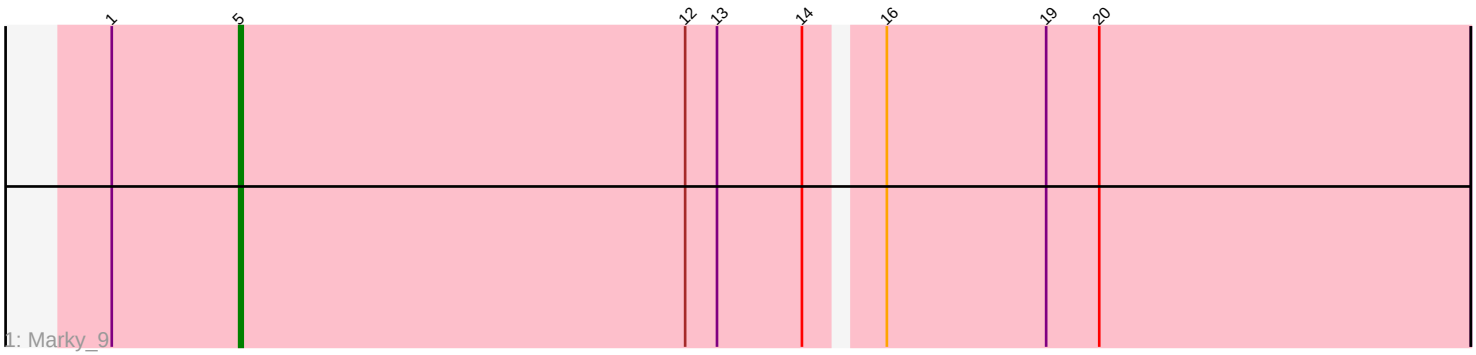
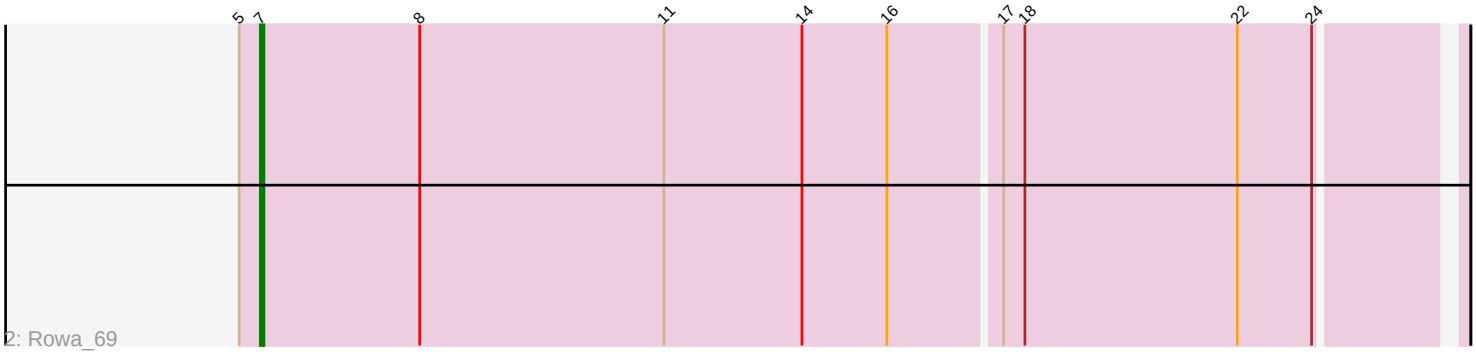
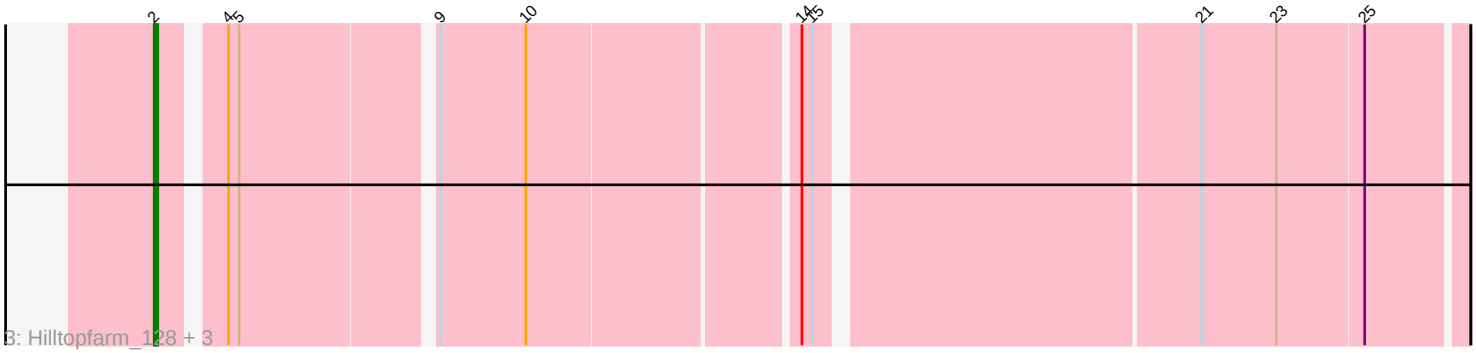
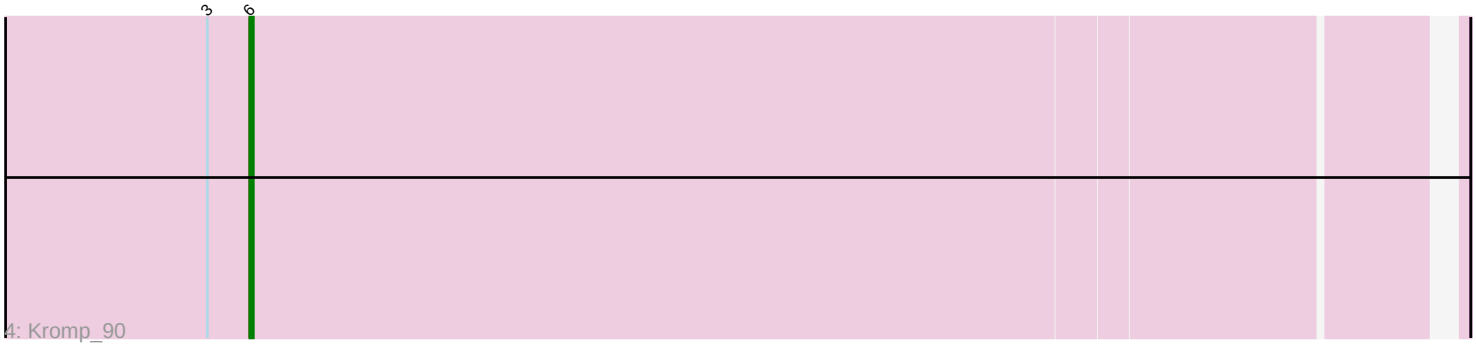
Pham 348363


1
5
12
13
14
16
19
20
1: Marky_9


5
7
8
11
14
16
17
18
22
24
2: Rowa_69


2
4
5
9
10
14
15
21
23
25
3: Hilltopfarm_128 + 3


3
6
4: Kromp_90

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 348363 Report

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

Pham number 348363 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Marky_9
• Track 2 : Rowa_69
• Track 3 : Hilltopfarm_128, Faiyaz_126, AuntGwenStacy_125, Typha_124
• Track 4 : Kromp_90

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 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AuntGwenStacy_125, Faiyaz_126, Hilltopfarm_128, Typha_124,

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

Genes that do not have the "Most Annotated" start:
• Kromp_90, Marky_9, Rowa_69,

Summary by start number:

Start 2:
• Found in 4 of 7 (57.1%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AuntGwenStacy_125 (Y), Faiyaz_126 (Y), Hilltopfarm_128 (Y), Typha_124 (Y),

Start 5:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Marky_9 (BH),

Start 6:
• Found in 1 of 7 (14.3%) 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: Kromp_90 (singleton),

Start 7:
• Found in 1 of 7 (14.3%) 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: Rowa_69 (BL),

Summary by clusters:

There are 4 clusters represented in this pham: Y, BL, singleton, BH,

Info for manual annotations of cluster BH:
•Start number 5 was manually annotated 1 time for cluster BH.

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

Info for manual annotations of cluster Y:
•Start number 2 was manually annotated 4 times for cluster Y.

Gene Information:

Gene: AuntGwenStacy_125 Start: 72806, Stop: 73147, Start Num: 2
Candidate Starts for AuntGwenStacy_125:
(Start: 2 @72806 has 4 MA's), (4, 72821), (Start: 5 @72824 has 1 MA's), (9, 72875), (10, 72899), (14, 72971), (15, 72974), (21, 73076), (23, 73097), (25, 73121),

Gene: Faiyaz_126 Start: 72676, Stop: 73017, Start Num: 2
Candidate Starts for Faiyaz_126:
(Start: 2 @72676 has 4 MA's), (4, 72691), (Start: 5 @72694 has 1 MA's), (9, 72745), (10, 72769), (14, 72841), (15, 72844), (21, 72946), (23, 72967), (25, 72991),

Gene: Hilltopfarm_128 Start: 73501, Stop: 73842, Start Num: 2
Candidate Starts for Hilltopfarm_128:
(Start: 2 @73501 has 4 MA's), (4, 73516), (Start: 5 @73519 has 1 MA's), (9, 73570), (10, 73594), (14, 73666), (15, 73669), (21, 73771), (23, 73792), (25, 73816),

Gene: Kromp_90 Start: 56098, Stop: 56427, Start Num: 6
Candidate Starts for Kromp_90:
(3, 56086), (Start: 6 @56098 has 1 MA's),

Gene: Marky_9 Start: 4752, Stop: 5093, Start Num: 5
Candidate Starts for Marky_9:
(1, 4716), (Start: 5 @4752 has 1 MA's), (12, 4878), (13, 4887), (14, 4911), (16, 4929), (19, 4974), (20, 4989),

Gene: Rowa_69 Start: 42486, Stop: 42815, Start Num: 7
Candidate Starts for Rowa_69:
(Start: 5 @42480 has 1 MA's), (Start: 7 @42486 has 1 MA's), (8, 42531), (11, 42600), (14, 42639), (16, 42663), (17, 42693), (18, 42699), (22, 42759), (24, 42780),

Gene: Typha_124 Start: 72807, Stop: 73148, Start Num: 2
Candidate Starts for Typha_124:
(Start: 2 @72807 has 4 MA's), (4, 72822), (Start: 5 @72825 has 1 MA's), (9, 72876), (10, 72900), (14, 72972), (15, 72975), (21, 73077), (23, 73098), (25, 73122),