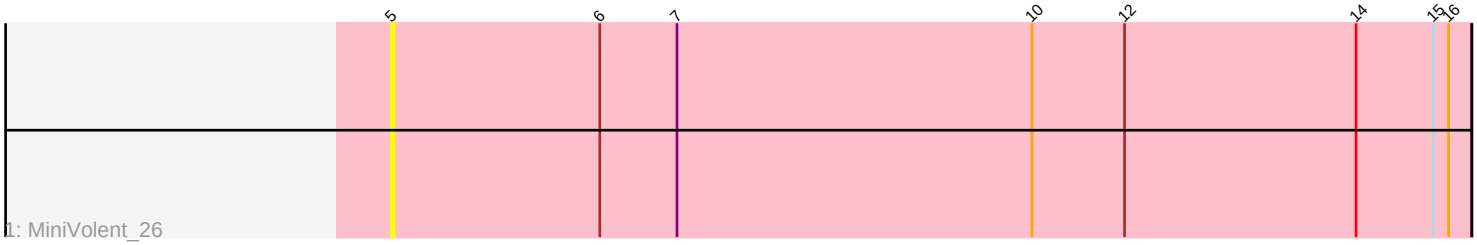
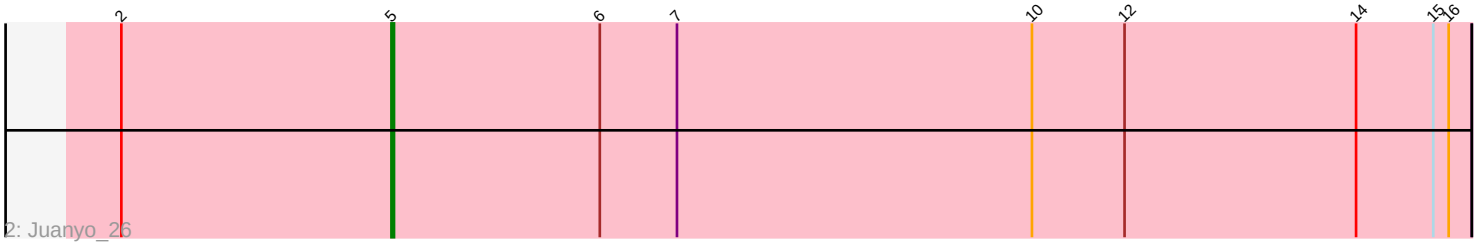
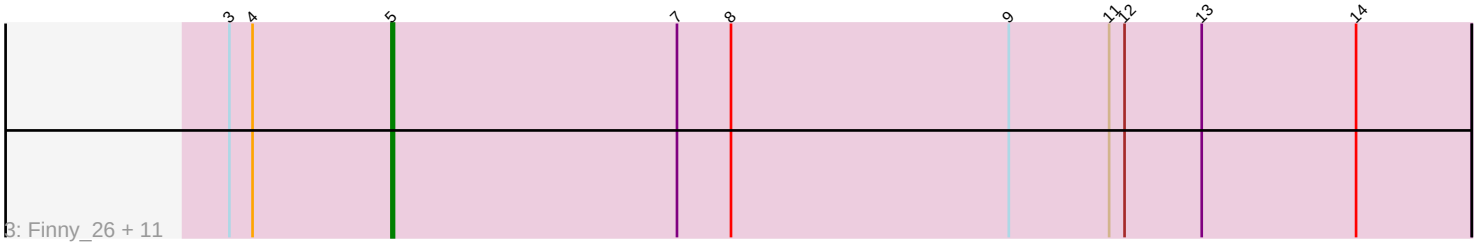
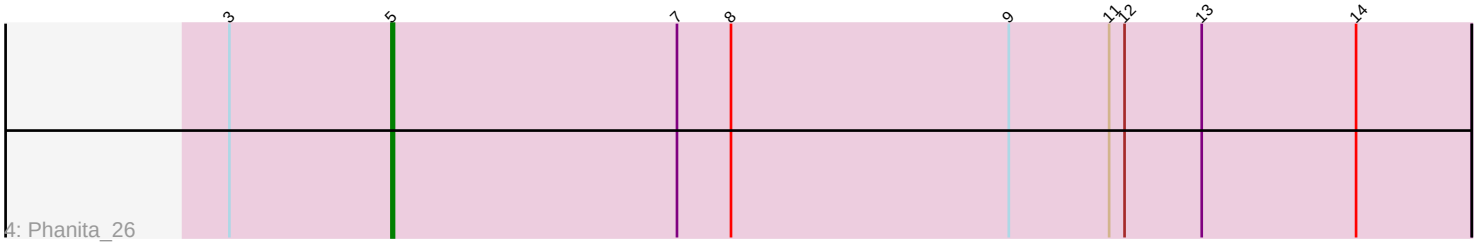
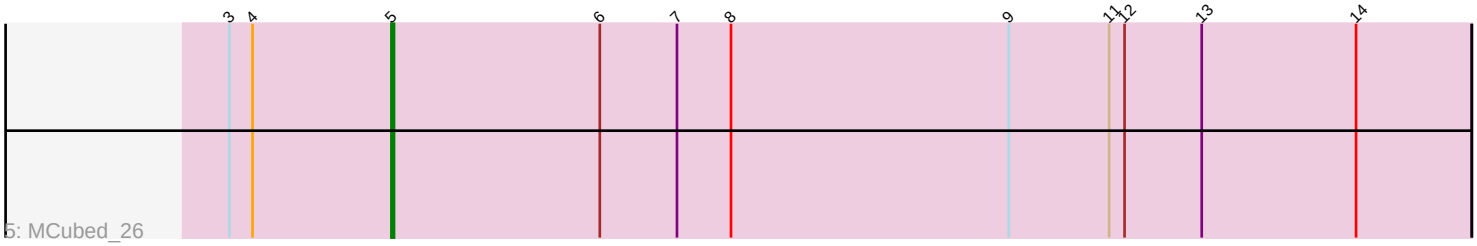
Pham 340104

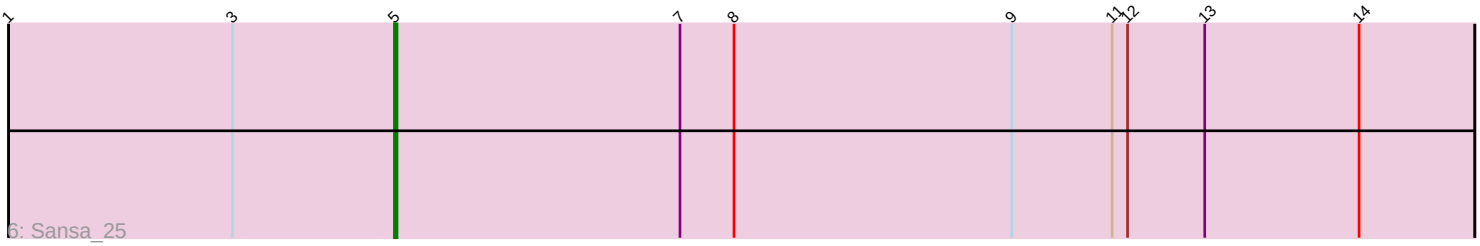

5
6
7
10
12
14
15
16
1: MiniVolent_26


2
5
6
7
10
12
14
15
16
2: Juanyo_26


3
4
5
7
8
9
11
12
13
14
3: Finny_26 + 11


3
5
7
8
9
11
12
13
14
4: Phanita_26


3
4
5
6
7
8
9
11
12
13
14
5: MCubed_26


1
3
5
7
8
9
11
12
13
14
6: Sansa_25

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 340104 Report

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

Pham number 340104 has 17 members, 2 are drafts.

Phages represented in each track:
• Track 1 : MiniVolent_26
• Track 2 : Juanyo_26
• Track 3 : Finny_26, Saratos_26, Orpington_26, Andromedas_26, Eleri_26, Xebius_26, ColaCorta_26, Glamour_25, ChikPic_26, Zenitsu_26, PSirce_26, Shamu_26
• Track 4 : Phanita_26
• Track 5 : MCubed_26
• Track 6 : Sansa_25

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

The start number called the most often in the published annotations is 5, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Andromedas_26, ChikPic_26, ColaCorta_26, Eleri_26, Finny_26, Glamour_25, Juanyo_26, MCubed_26, MiniVolent_26, Orpington_26, PSirce_26, Phanita_26, Sansa_25, Saratos_26, Shamu_26, Xebius_26, Zenitsu_26,

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

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

Summary by start number:

Start 5:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Andromedas_26 (EA2), ChikPic_26 (EA2), ColaCorta_26 (EA2), Eleri_26 (EA2), Finny_26 (EA2), Glamour_25 (EA2), Juanyo_26 (EA10), MCubed_26 (EA2), MiniVolent_26 (EA10), Orpington_26 (EA2),

PSirce_26 (EA2), Phanita_26 (EA2), Sansa_25 (EA2), Saratos_26 (EA2), Shamu_26 (EA2), Xebius_26 (EA2), Zenitsu_26 (EA2),

Summary by clusters:

There are 2 clusters represented in this pham: EA2, EA10,

Info for manual annotations of cluster EA10:
•Start number 5 was manually annotated 1 time for cluster EA10.

Info for manual annotations of cluster EA2:
•Start number 5 was manually annotated 14 times for cluster EA2.

Gene Information:

Gene: Andromedas_26 Start: 19937, Stop: 20356, Start Num: 5
Candidate Starts for Andromedas_26:
(3, 19874), (4, 19883), (Start: 5 @19937 has 15 MA's), (7, 20048), (8, 20069), (9, 20177), (11, 20216), (12, 20222), (13, 20252), (14, 20312),

Gene: ChikPic_26 Start: 19953, Stop: 20372, Start Num: 5
Candidate Starts for ChikPic_26:
(3, 19890), (4, 19899), (Start: 5 @19953 has 15 MA's), (7, 20064), (8, 20085), (9, 20193), (11, 20232), (12, 20238), (13, 20268), (14, 20328),

Gene: ColaCorta_26 Start: 19937, Stop: 20356, Start Num: 5
Candidate Starts for ColaCorta_26:
(3, 19874), (4, 19883), (Start: 5 @19937 has 15 MA's), (7, 20048), (8, 20069), (9, 20177), (11, 20216), (12, 20222), (13, 20252), (14, 20312),

Gene: Eleri_26 Start: 19950, Stop: 20369, Start Num: 5
Candidate Starts for Eleri_26:
(3, 19887), (4, 19896), (Start: 5 @19950 has 15 MA's), (7, 20061), (8, 20082), (9, 20190), (11, 20229), (12, 20235), (13, 20265), (14, 20325),

Gene: Finny_26 Start: 19936, Stop: 20355, Start Num: 5
Candidate Starts for Finny_26:
(3, 19873), (4, 19882), (Start: 5 @19936 has 15 MA's), (7, 20047), (8, 20068), (9, 20176), (11, 20215), (12, 20221), (13, 20251), (14, 20311),

Gene: Glamour_25 Start: 19938, Stop: 20357, Start Num: 5
Candidate Starts for Glamour_25:
(3, 19875), (4, 19884), (Start: 5 @19938 has 15 MA's), (7, 20049), (8, 20070), (9, 20178), (11, 20217), (12, 20223), (13, 20253), (14, 20313),

Gene: Juanyo_26 Start: 20158, Stop: 20577, Start Num: 5
Candidate Starts for Juanyo_26:
(2, 20053), (Start: 5 @20158 has 15 MA's), (6, 20239), (7, 20269), (10, 20407), (12, 20443), (14, 20533), (15, 20563), (16, 20569),

Gene: MCubed_26 Start: 19964, Stop: 20383, Start Num: 5

Candidate Starts for MCubed_26:
(3, 19901), (4, 19910), (Start: 5 @19964 has 15 MA's), (6, 20045), (7, 20075), (8, 20096), (9, 20204), (11, 20243), (12, 20249), (13, 20279), (14, 20339),

Gene: MiniVolent_26 Start: 20147, Stop: 20566, Start Num: 5
Candidate Starts for MiniVolent_26:
(Start: 5 @20147 has 15 MA's), (6, 20228), (7, 20258), (10, 20396), (12, 20432), (14, 20522), (15, 20552), (16, 20558),

Gene: Orpington_26 Start: 19950, Stop: 20369, Start Num: 5
Candidate Starts for Orpington_26:
(3, 19887), (4, 19896), (Start: 5 @19950 has 15 MA's), (7, 20061), (8, 20082), (9, 20190), (11, 20229), (12, 20235), (13, 20265), (14, 20325),

Gene: PSirce_26 Start: 19953, Stop: 20372, Start Num: 5
Candidate Starts for PSirce_26:
(3, 19890), (4, 19899), (Start: 5 @19953 has 15 MA's), (7, 20064), (8, 20085), (9, 20193), (11, 20232), (12, 20238), (13, 20268), (14, 20328),

Gene: Phanita_26 Start: 19937, Stop: 20356, Start Num: 5
Candidate Starts for Phanita_26:
(3, 19874), (Start: 5 @19937 has 15 MA's), (7, 20048), (8, 20069), (9, 20177), (11, 20216), (12, 20222), (13, 20252), (14, 20312),

Gene: Sansa_25 Start: 19960, Stop: 20379, Start Num: 5
Candidate Starts for Sansa_25:
(1, 19810), (3, 19897), (Start: 5 @19960 has 15 MA's), (7, 20071), (8, 20092), (9, 20200), (11, 20239), (12, 20245), (13, 20275), (14, 20335),

Gene: Saratos_26 Start: 19938, Stop: 20357, Start Num: 5
Candidate Starts for Saratos_26:
(3, 19875), (4, 19884), (Start: 5 @19938 has 15 MA's), (7, 20049), (8, 20070), (9, 20178), (11, 20217), (12, 20223), (13, 20253), (14, 20313),

Gene: Shamu_26 Start: 19950, Stop: 20369, Start Num: 5
Candidate Starts for Shamu_26:
(3, 19887), (4, 19896), (Start: 5 @19950 has 15 MA's), (7, 20061), (8, 20082), (9, 20190), (11, 20229), (12, 20235), (13, 20265), (14, 20325),

Gene: Xebius_26 Start: 19938, Stop: 20357, Start Num: 5
Candidate Starts for Xebius_26:
(3, 19875), (4, 19884), (Start: 5 @19938 has 15 MA's), (7, 20049), (8, 20070), (9, 20178), (11, 20217), (12, 20223), (13, 20253), (14, 20313),

Gene: Zenitsu_26 Start: 19965, Stop: 20384, Start Num: 5
Candidate Starts for Zenitsu_26:
(3, 19902), (4, 19911), (Start: 5 @19965 has 15 MA's), (7, 20076), (8, 20097), (9, 20205), (11, 20244), (12, 20250), (13, 20280), (14, 20340),