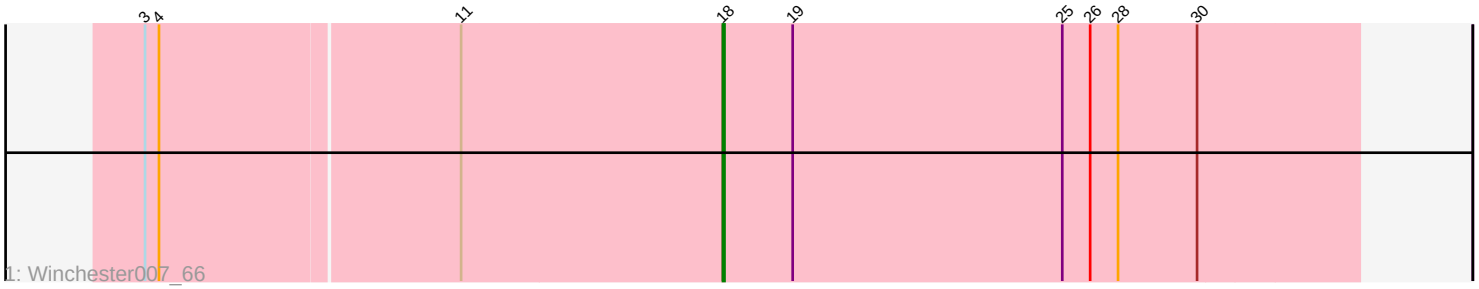
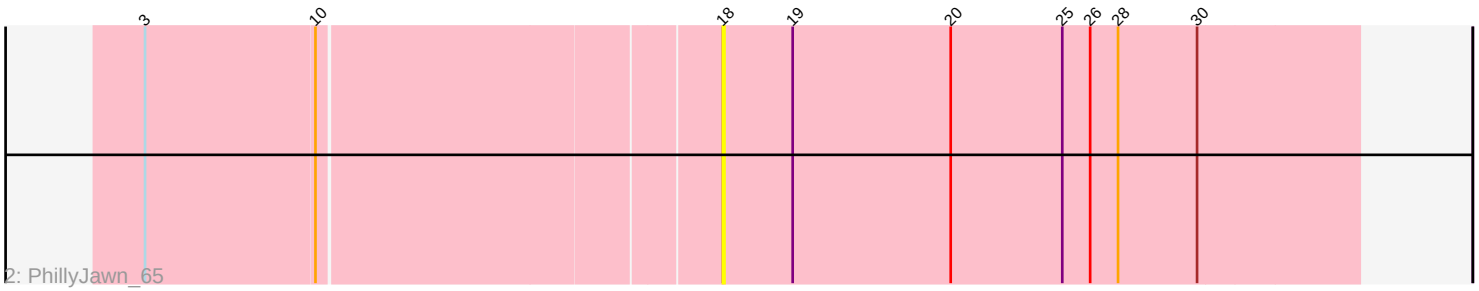
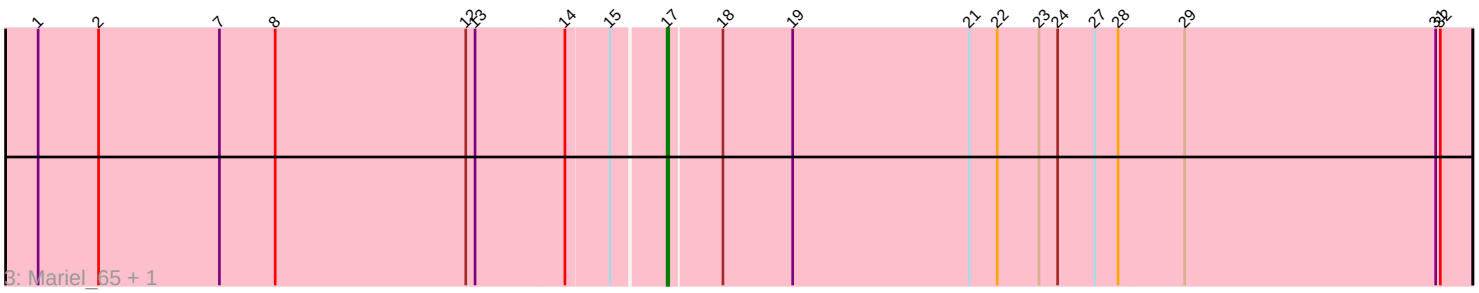
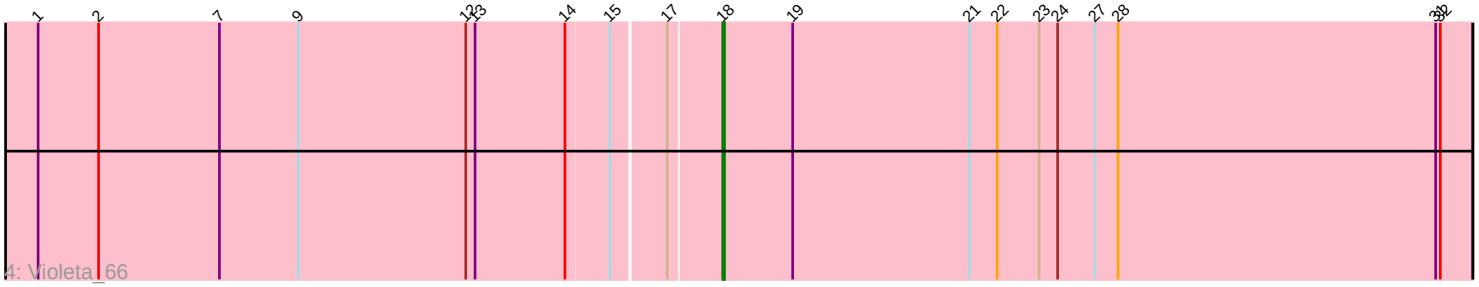
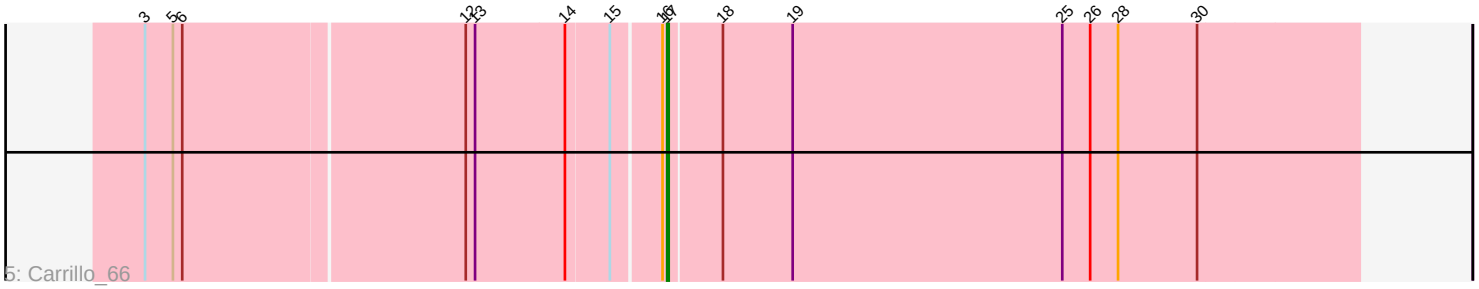
Pham 340377


3
4
11
18
19
25
26
28
30
1: Winchester007_66


3
10
18
19
20
25
26
28
30
2: PhillyJawn_65


1
2
7
8
12
13
14
15
17
18
19
21
22
23
24
27
28
29
32
3: Mariel_65 + 1


1
2
7
9
12
13
14
15
17
18
19
21
22
23
24
27
28
32
4: Violeta_66


3
5
6
12
13
14
15
16
17
18
19
25
26
28
30
5: Carrillo_66

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 340377 Report

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

Pham number 340377 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Winchester007_66
• Track 2 : PhillyJawn_65
• Track 3 : Mariel_65, Antuna_66
• Track 4 : Violeta_66
• Track 5 : Carrillo_66

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

The start number called the most often in the published annotations is 17, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Antuna_66, Carrillo_66, Mariel_65,

Genes that have the "Most Annotated" start but do not call it:
• Violeta_66,

Genes that do not have the "Most Annotated" start:
• PhillyJawn_65, Winchester007_66,

Summary by start number:

Start 17:
• Found in 4 of 6 (66.7%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Antuna_66 (GA), Carrillo_66 (GA), Mariel_65 (GA),

Start 18:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 50.0% of time when present

• Phage (with cluster) where this start called: PhillyJawn_65 (GA), Violeta_66 (GA), Winchester007_66 (GA),

Summary by clusters:

There is one cluster represented in this pham: GA

Info for manual annotations of cluster GA:
•Start number 17 was manually annotated 3 times for cluster GA.
•Start number 18 was manually annotated 2 times for cluster GA.

Gene Information:

Gene: Antuna_66 Start: 37932, Stop: 38447, Start Num: 17
Candidate Starts for Antuna_66:
(1, 37533), (2, 37572), (7, 37650), (8, 37686), (12, 37809), (13, 37815), (14, 37872), (15, 37899), (Start: 17 @37932 has 3 MA's), (Start: 18 @37965 has 2 MA's), (19, 38010), (21, 38124), (22, 38142), (23, 38169), (24, 38181), (27, 38205), (28, 38220), (29, 38262), (31, 38424), (32, 38427),

Gene: Carrillo_66 Start: 37795, Stop: 38235, Start Num: 17
Candidate Starts for Carrillo_66:
(3, 37471), (5, 37489), (6, 37495), (12, 37672), (13, 37678), (14, 37735), (15, 37762), (16, 37792), (Start: 17 @37795 has 3 MA's), (Start: 18 @37828 has 2 MA's), (19, 37873), (25, 38047), (26, 38065), (28, 38083), (30, 38134),

Gene: Mariel_65 Start: 38320, Stop: 38835, Start Num: 17
Candidate Starts for Mariel_65:
(1, 37921), (2, 37960), (7, 38038), (8, 38074), (12, 38197), (13, 38203), (14, 38260), (15, 38287), (Start: 17 @38320 has 3 MA's), (Start: 18 @38353 has 2 MA's), (19, 38398), (21, 38512), (22, 38530), (23, 38557), (24, 38569), (27, 38593), (28, 38608), (29, 38650), (31, 38812), (32, 38815),

Gene: PhillyJawn_65 Start: 37772, Stop: 38179, Start Num: 18
Candidate Starts for PhillyJawn_65:
(3, 37415), (10, 37523), (Start: 18 @37772 has 2 MA's), (19, 37817), (20, 37919), (25, 37991), (26, 38009), (28, 38027), (30, 38078),

Gene: Violeta_66 Start: 37835, Stop: 38317, Start Num: 18
Candidate Starts for Violeta_66:
(1, 37403), (2, 37442), (7, 37520), (9, 37571), (12, 37679), (13, 37685), (14, 37742), (15, 37769), (Start: 17 @37802 has 3 MA's), (Start: 18 @37835 has 2 MA's), (19, 37880), (21, 37994), (22, 38012), (23, 38039), (24, 38051), (27, 38075), (28, 38090), (31, 38294), (32, 38297),

Gene: Winchester007_66 Start: 37529, Stop: 37936, Start Num: 18
Candidate Starts for Winchester007_66:
(3, 37163), (4, 37172), (11, 37361), (Start: 18 @37529 has 2 MA's), (19, 37574), (25, 37748), (26, 37766), (28, 37784), (30, 37835),