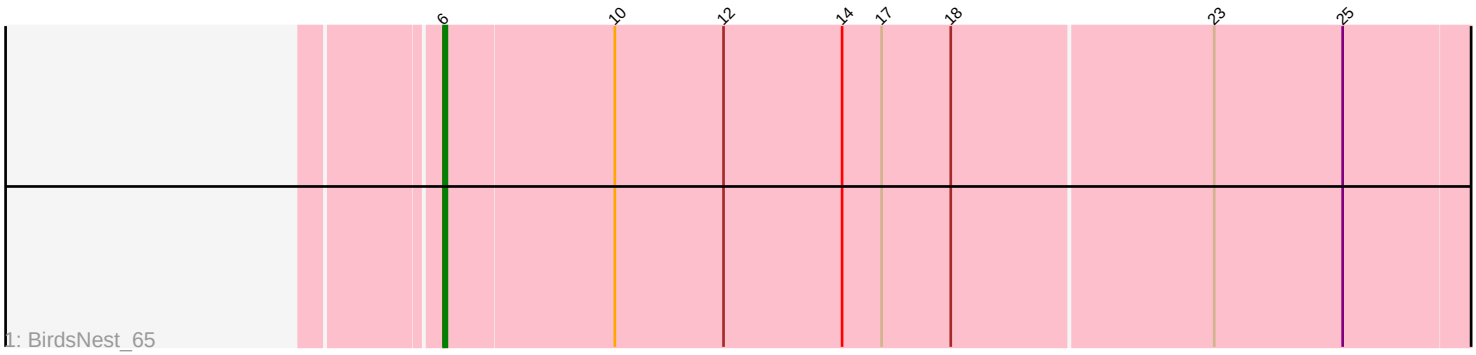
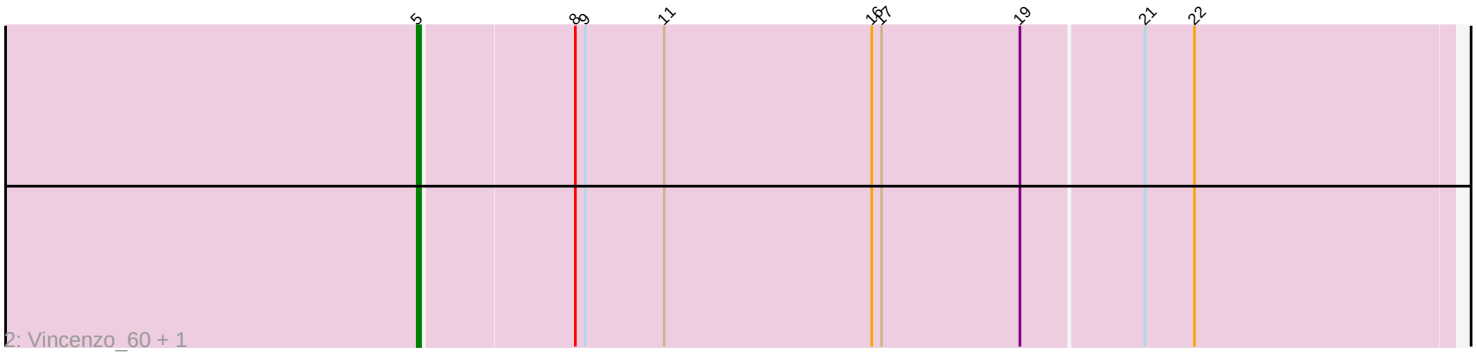
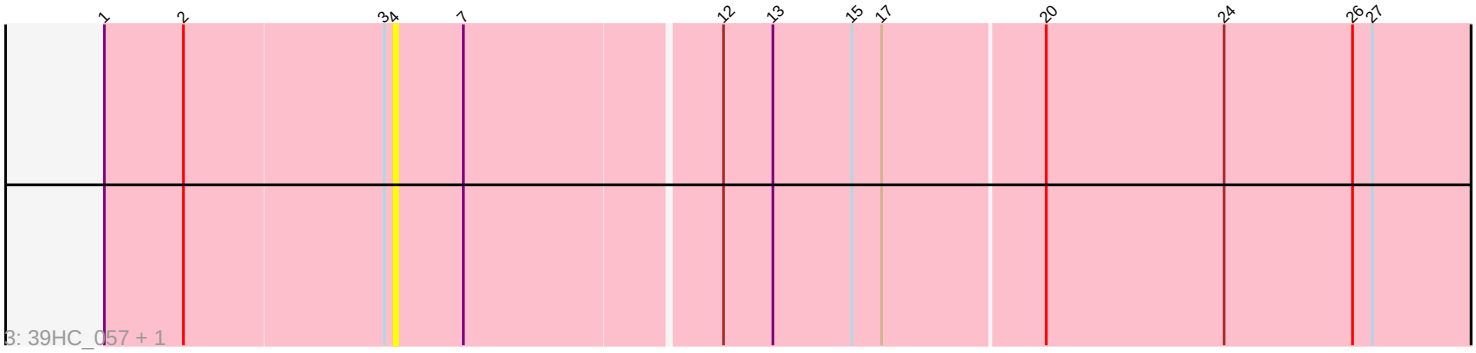
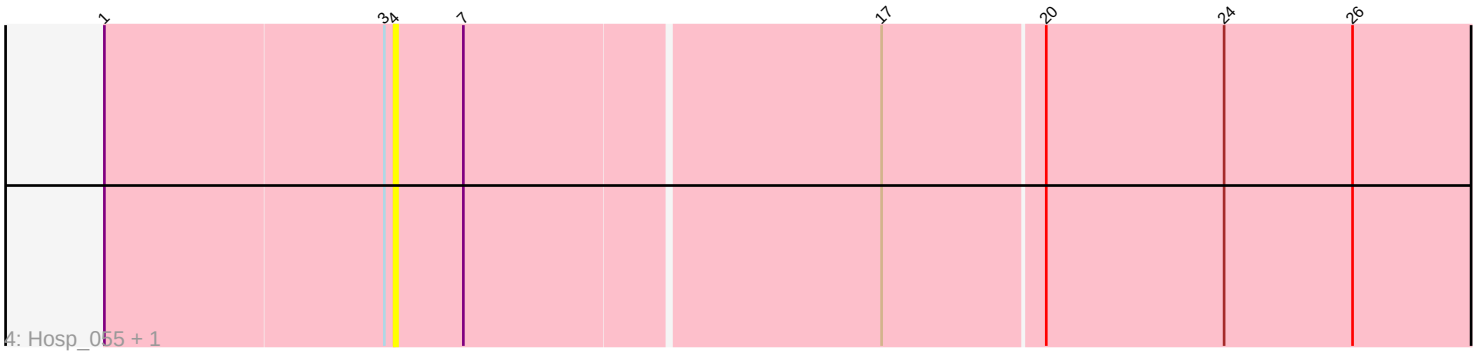
Pham 291836


6
10
12
14
17
18
23
25
1: BirdsNest_65


5
8
9
11
16
17
19
21
22
2: Vincenzo_60 + 1


1
2
3
4
7
12
13
15
17
20
24
26
27
3: 39HC_057 + 1


1
3
4
7
17
20
24
26
4: Hosp_055 + 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 291836 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291836 has 7 members, 4 are drafts.

Phages represented in each track:
• Track 1 : BirdsNest_65
• Track 2 : Vincenzo_60, AlanGrant_61
• Track 3 : 39HC_057, 40BC_057
• Track 4 : Hosp_055, Jolie1_057

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 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AlanGrant_61, Vincenzo_60,

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

Genes that do not have the "Most Annotated" start:
• 39HC_057, 40BC_057, BirdsNest_65, Hosp_055, Jolie1_057,

Summary by start number:

Start 4:
• Found in 4 of 7 (57.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 39HC_057 (B6), 40BC_057 (B6), Hosp_055 (B6), Jolie1_057 (B6),

Start 5:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AlanGrant_61 (B4), Vincenzo_60 (B4),

Start 6:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdsNest_65 (B13),

Summary by clusters:

There are 3 clusters represented in this pham: B4, B6, B13,

Info for manual annotations of cluster B13:
•Start number 6 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B4:
•Start number 5 was manually annotated 2 times for cluster B4.

Gene Information:

Gene: 39HC_057 Start: 54355, Stop: 54023, Start Num: 4
Candidate Starts for 39HC_057:
(1, 54442), (2, 54418), (3, 54358), (4, 54355), (7, 54334), (12, 54259), (13, 54244), (15, 54220), (17, 54211), (20, 54163), (24, 54109), (26, 54070), (27, 54064),

Gene: 40BC_057 Start: 54355, Stop: 54023, Start Num: 4
Candidate Starts for 40BC_057:
(1, 54442), (2, 54418), (3, 54358), (4, 54355), (7, 54334), (12, 54259), (13, 54244), (15, 54220), (17, 54211), (20, 54163), (24, 54109), (26, 54070), (27, 54064),

Gene: AlanGrant_61 Start: 57173, Stop: 56865, Start Num: 5
Candidate Starts for AlanGrant_61:
(Start: 5 @57173 has 2 MA's), (8, 57128), (9, 57125), (11, 57101), (16, 57038), (17, 57035), (19, 56993), (21, 56957), (22, 56942),

Gene: BirdsNest_65 Start: 55857, Stop: 55531, Start Num: 6
Candidate Starts for BirdsNest_65:
(Start: 6 @55857 has 1 MA's), (10, 55806), (12, 55773), (14, 55737), (17, 55725), (18, 55704), (23, 55626), (25, 55587),

Gene: Hosp_055 Start: 52590, Stop: 52258, Start Num: 4
Candidate Starts for Hosp_055:
(1, 52677), (3, 52593), (4, 52590), (7, 52569), (17, 52446), (20, 52398), (24, 52344), (26, 52305),

Gene: Jolie1_057 Start: 54490, Stop: 54158, Start Num: 4
Candidate Starts for Jolie1_057:
(1, 54577), (3, 54493), (4, 54490), (7, 54469), (17, 54346), (20, 54298), (24, 54244), (26, 54205),

Gene: Vincenzo_60 Start: 57203, Stop: 56895, Start Num: 5
Candidate Starts for Vincenzo_60:
(Start: 5 @57203 has 2 MA's), (8, 57158), (9, 57155), (11, 57131), (16, 57068), (17, 57065), (19, 57023), (21, 56987), (22, 56972),