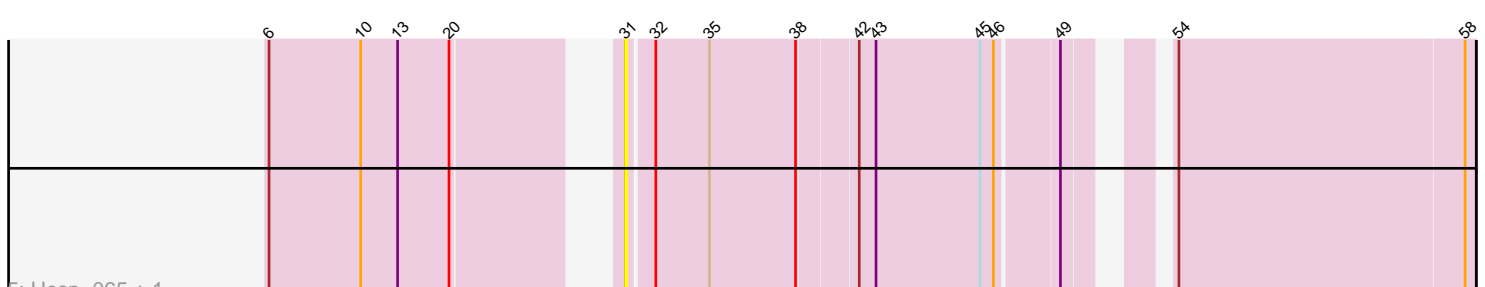
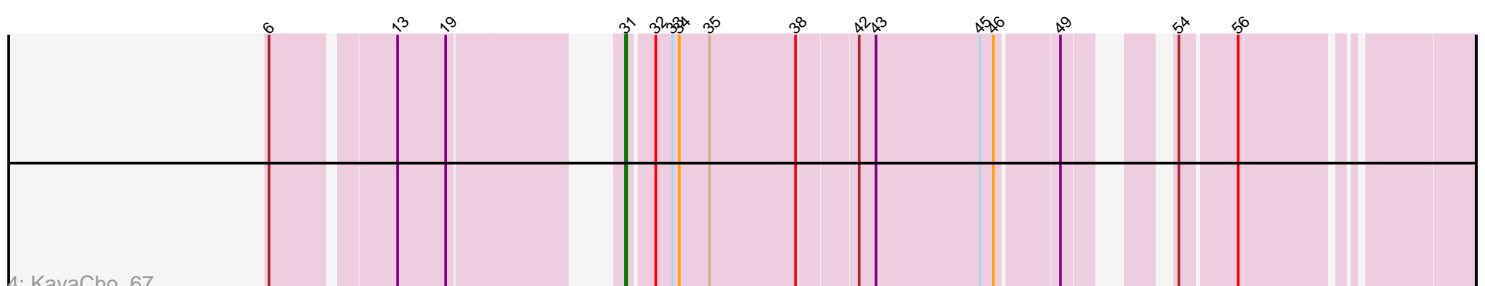
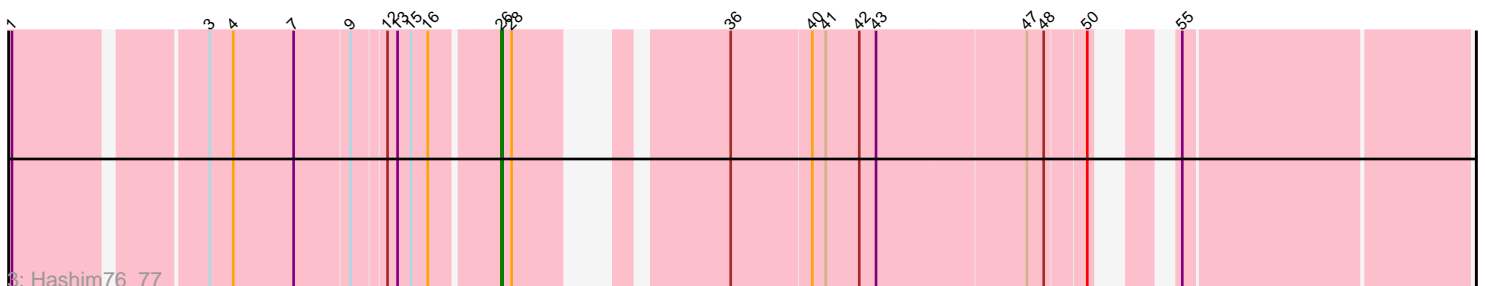
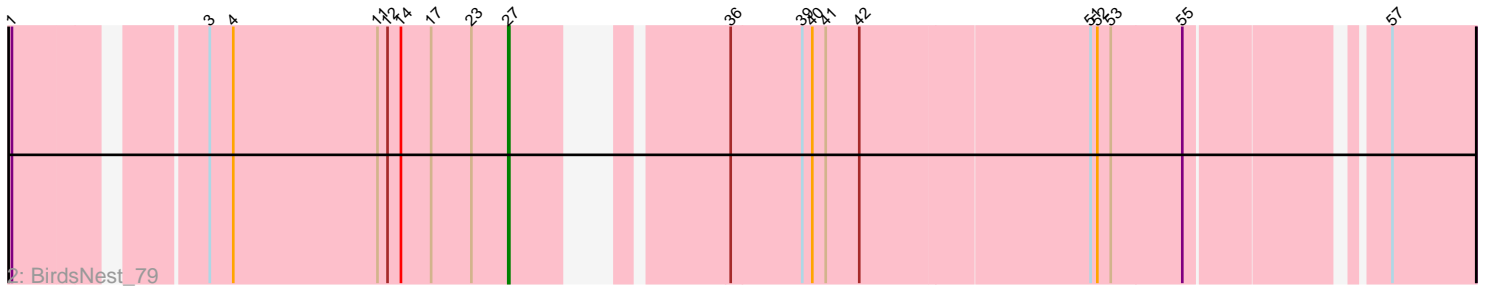
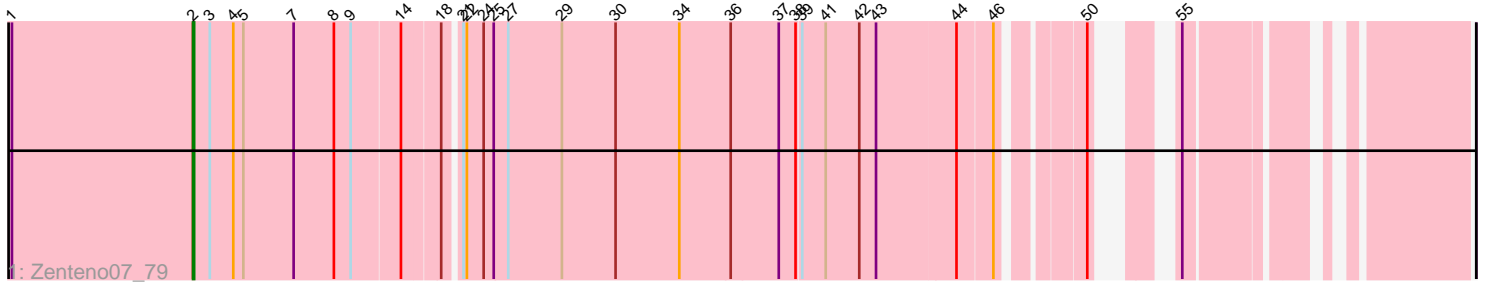


# Pham 216953



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 216953 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216953 has 6 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Zenteno07\_79
- Track 2 : BirdsNest\_79
- Track 3 : Hashim76\_77
- Track 4 : KayaCho\_67
- Track 5 : Hosp\_065, Jolie1\_067

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

The start number called the most often in the published annotations is 31, it was called in 1 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Hosp\_065, Jolie1\_067, KayaCho\_67,

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

- 

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

- BirdsNest\_79, Hashim76\_77, Zenteno07\_79,

### **Summary by start number:**

Start 2:

- Found in 1 of 6 ( 16.7% ) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Zenteno07\_79 (B13),

Start 26:

- Found in 1 of 6 ( 16.7% ) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hashim76\_77 (B13),

Start 27:

- Found in 2 of 6 ( 33.3% ) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 50.0% of time when present
- Phage (with cluster) where this start called: BirdsNest\_79 (B13),

Start 31:

- Found in 3 of 6 ( 50.0% ) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hosp\_065 (B6), Jolie1\_067 (B6), KayaCho\_67 (B6),

**Summary by clusters:**

There are 2 clusters represented in this pham: B6, B13,

Info for manual annotations of cluster B13:

- Start number 2 was manually annotated 1 time for cluster B13.
- Start number 26 was manually annotated 1 time for cluster B13.
- Start number 27 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B6:

- Start number 31 was manually annotated 1 time for cluster B6.

**Gene Information:**

Gene: BirdsNest\_79 Start: 60884, Stop: 61648, Start Num: 27

Candidate Starts for BirdsNest\_79:

(1, 60470), (3, 60617), (4, 60638), (11, 60767), (12, 60776), (14, 60788), (17, 60815), (23, 60851), (Start: 27 @60884 has 1 MA's), (36, 61022), (39, 61085), (40, 61094), (41, 61106), (42, 61136), (51, 61337), (52, 61343), (53, 61355), (55, 61418), (57, 61574),

Gene: Hashim76\_77 Start: 60745, Stop: 61467, Start Num: 26

Candidate Starts for Hashim76\_77:

(1, 60346), (3, 60502), (4, 60523), (7, 60577), (9, 60625), (12, 60652), (13, 60661), (15, 60673), (16, 60688), (Start: 26 @60745 has 1 MA's), (28, 60754), (36, 60886), (40, 60955), (41, 60967), (42, 60997), (43, 61012), (47, 61141), (48, 61156), (50, 61189), (55, 61222),

Gene: Hosp\_065 Start: 56539, Stop: 57216, Start Num: 31

Candidate Starts for Hosp\_065:

(6, 56272), (10, 56353), (13, 56386), (20, 56431), (Start: 31 @56539 has 1 MA's), (32, 56560), (35, 56608), (38, 56683), (42, 56731), (43, 56746), (45, 56839), (46, 56851), (49, 56902), (54, 56959), (58, 57208),

Gene: Jolie1\_067 Start: 58667, Stop: 59344, Start Num: 31

Candidate Starts for Jolie1\_067:

(6, 58400), (10, 58481), (13, 58514), (20, 58559), (Start: 31 @58667 has 1 MA's), (32, 58688), (35, 58736), (38, 58811), (42, 58859), (43, 58874), (45, 58967), (46, 58979), (49, 59030), (54, 59087), (58, 59336),

Gene: KayaCho\_67 Start: 58637, Stop: 59281, Start Num: 31

Candidate Starts for KayaCho\_67:

(6, 58385), (13, 58484), (19, 58523), (Start: 31 @58637 has 1 MA's), (32, 58658), (33, 58673), (34, 58679), (35, 58706), (38, 58781), (42, 58829), (43, 58844), (45, 58937), (46, 58949), (49, 59000), (54, 59057), (56, 59102),

Gene: Zenteno07\_79 Start: 60479, Stop: 61459, Start Num: 2

Candidate Starts for Zenteno07\_79:

(1, 60317), (Start: 2 @60479 has 1 MA's), (3, 60494), (4, 60515), (5, 60524), (7, 60569), (8, 60605), (9, 60620), (14, 60662), (18, 60692), (21, 60704), (22, 60707), (24, 60722), (25, 60731), (Start: 27 @60743 has 1 MA's), (29, 60791), (30, 60839), (34, 60896), (36, 60941), (37, 60983), (38, 60998), (39, 61001), (41, 61022), (42, 61052), (43, 61067), (44, 61136), (46, 61166), (50, 61226), (55, 61259),