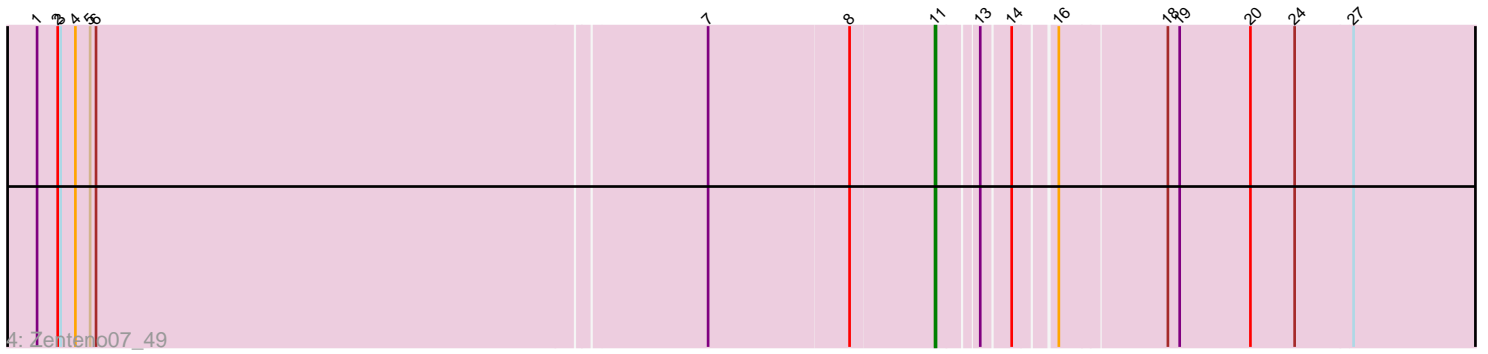# Pham 193283
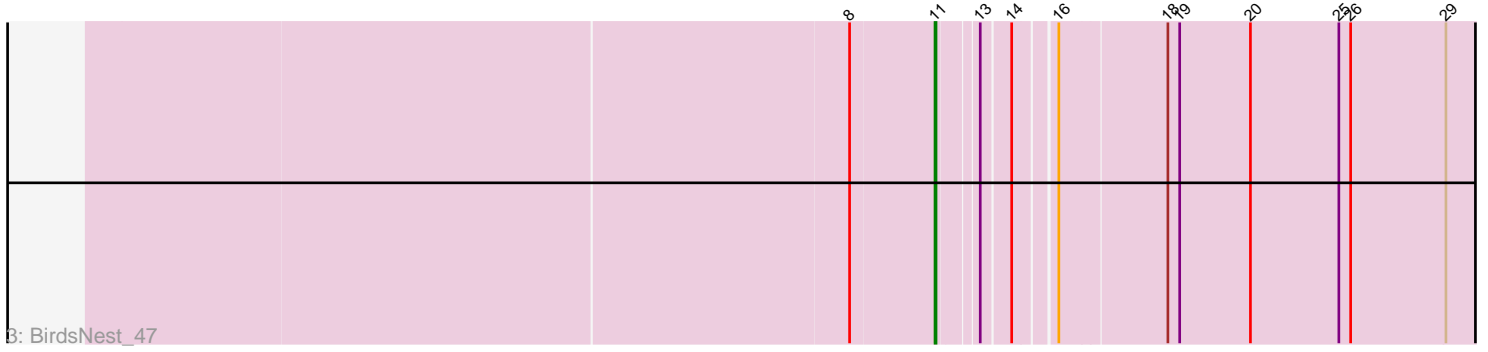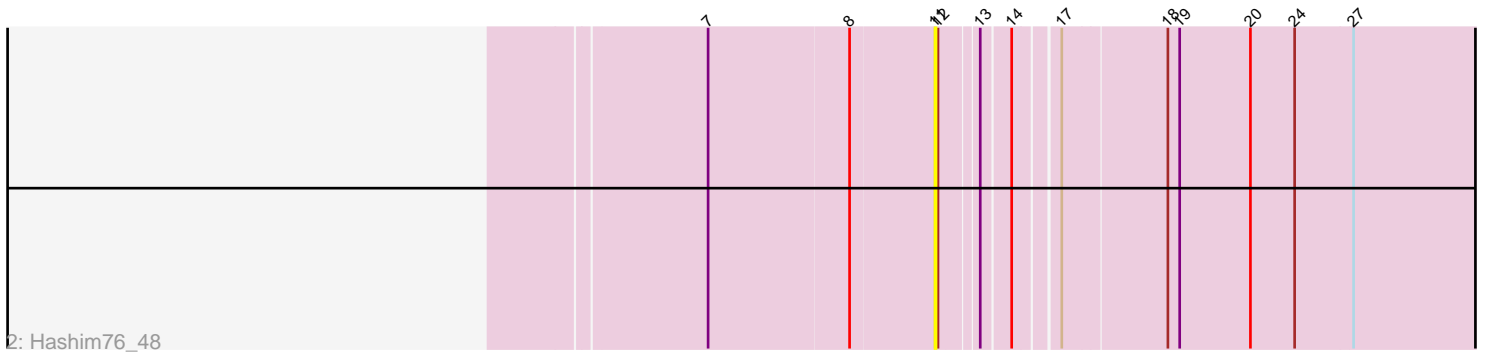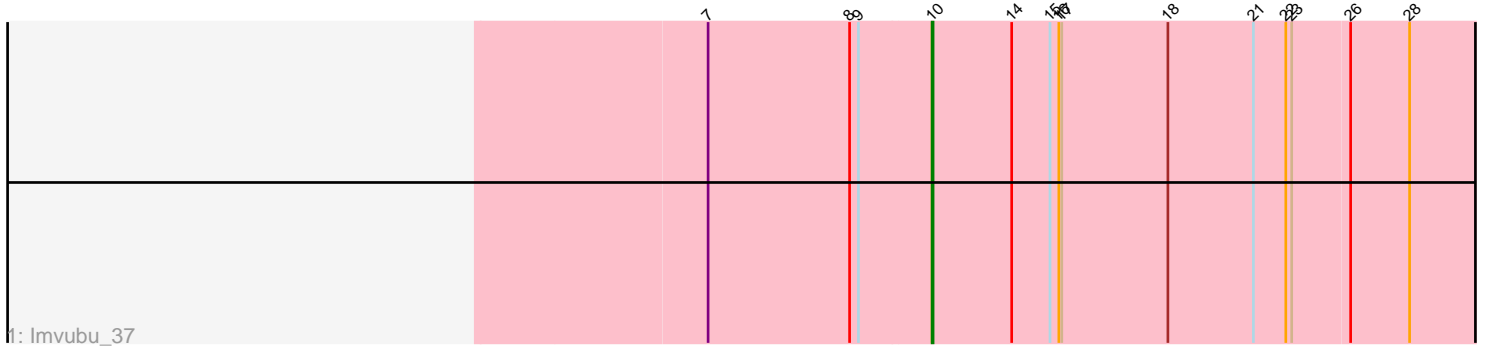

1: Imvubu_37

2: Hashim76_48

3: BirdsNest_47

4: Zenteno07_49

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 193283 Report

This analysis was run 11/02/24 on database version 579.

Pham number 193283 has 4 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Imvubu_37
• Track 2 : Hashim76_48
• Track 3 : BirdsNest_47
• Track 4 : Zenteno07_49

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

The start number called the most often in the published annotations is 11, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BirdsNest_47, Hashim76_48, Zenteno07_49,

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

Genes that do not have the "Most Annotated" start:
• Imvubu_37,

Summary by start number:

Start 10:
• Found in 1 of 4 (25.0%) 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: Imvubu_37 (B10),

Start 11:
• Found in 3 of 4 (75.0%) 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: BirdsNest_47 (B13), Hashim76_48 (B13), Zenteno07_49 (B13),

Summary by clusters:

There are 2 clusters represented in this pham: B13, B10,

Info for manual annotations of cluster B10:
•Start number 10 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B13:
•Start number 11 was manually annotated 2 times for cluster B13.

Gene Information:

Gene: BirdsNest_47 Start: 38392, Stop: 37877, Start Num: 11
Candidate Starts for BirdsNest_47:
(8, 38476), (Start: 11 @38392 has 2 MA's), (13, 38359), (14, 38332), (16, 38296), (18, 38191), (19, 38179), (20, 38107), (25, 38017), (26, 38005), (29, 37909),

Gene: Hashim76_48 Start: 38870, Stop: 38346, Start Num: 11
Candidate Starts for Hashim76_48:
(7, 39095), (8, 38954), (Start: 11 @38870 has 2 MA's), (12, 38867), (13, 38834), (14, 38807), (17, 38768), (18, 38666), (19, 38654), (20, 38582), (24, 38537), (27, 38480),

Gene: Imvubu_37 Start: 36451, Stop: 35897, Start Num: 10
Candidate Starts for Imvubu_37:
(7, 36676), (8, 36532), (9, 36523), (Start: 10 @36451 has 1 MA's), (14, 36370), (15, 36331), (16, 36322), (17, 36319), (18, 36211), (21, 36124), (22, 36091), (23, 36085), (26, 36028), (28, 35968),

Gene: Zenteno07_49 Start: 39074, Stop: 38550, Start Num: 11
Candidate Starts for Zenteno07_49:
(1, 39968), (2, 39947), (3, 39944), (4, 39929), (5, 39914), (6, 39908), (7, 39299), (8, 39158), (Start: 11 @39074 has 2 MA's), (13, 39038), (14, 39011), (16, 38975), (18, 38870), (19, 38858), (20, 38786), (24, 38741), (27, 38684),