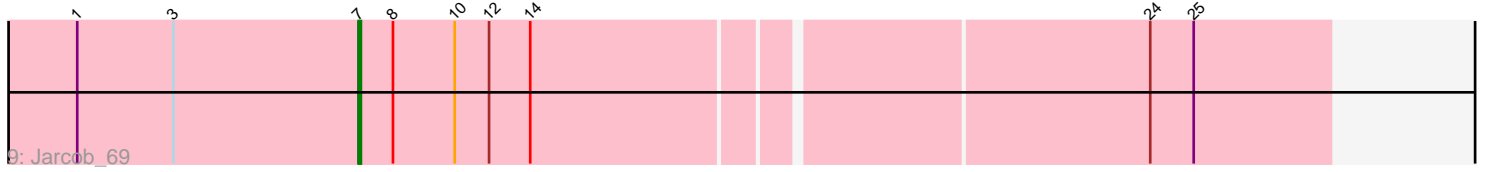
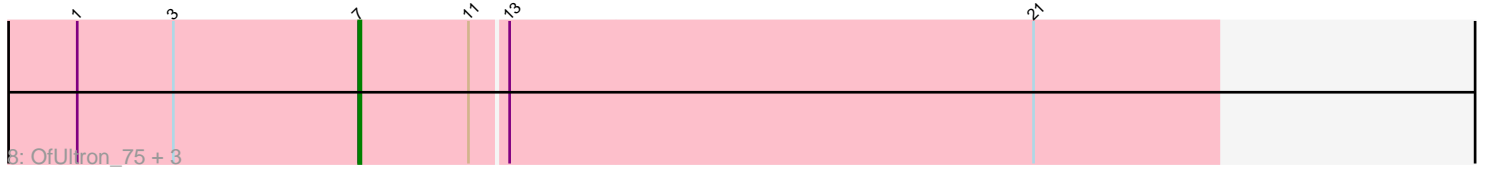
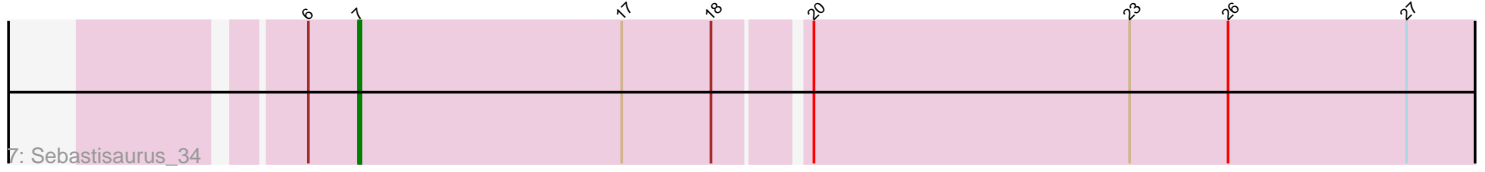
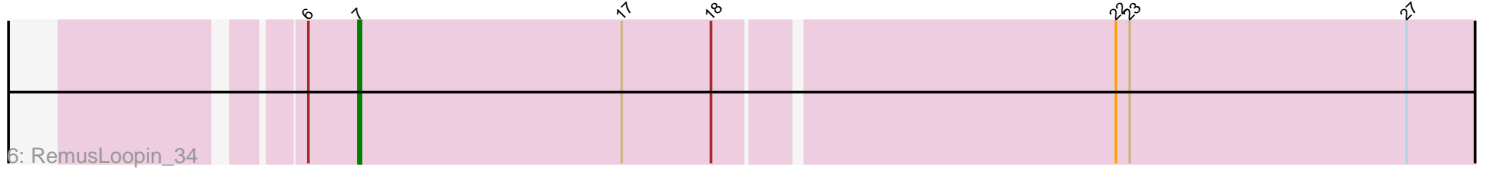
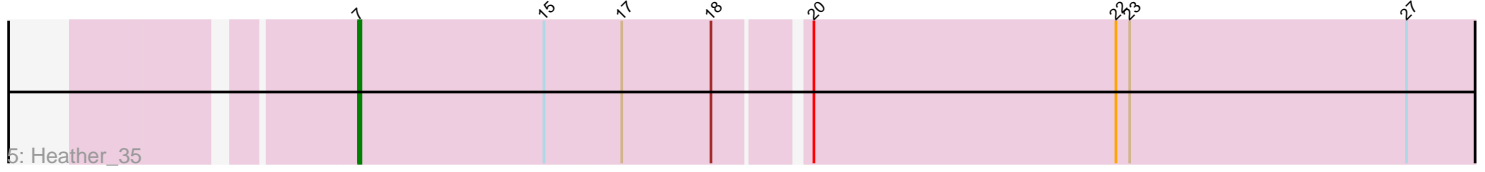
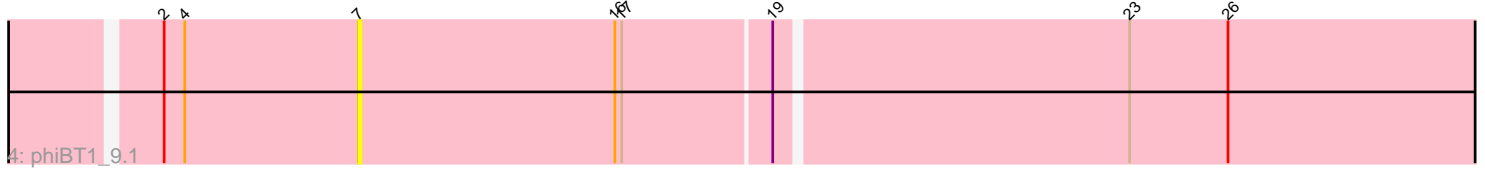
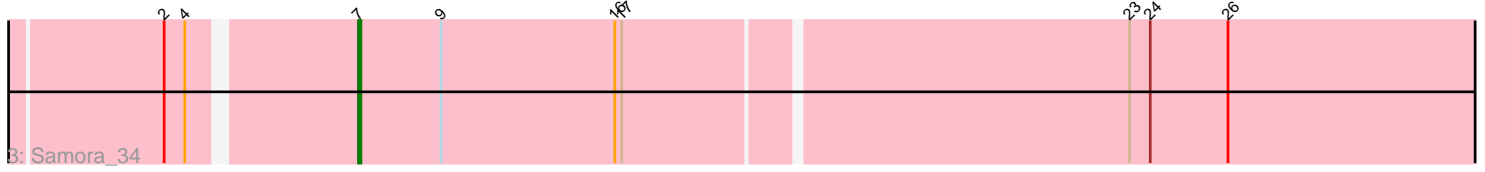
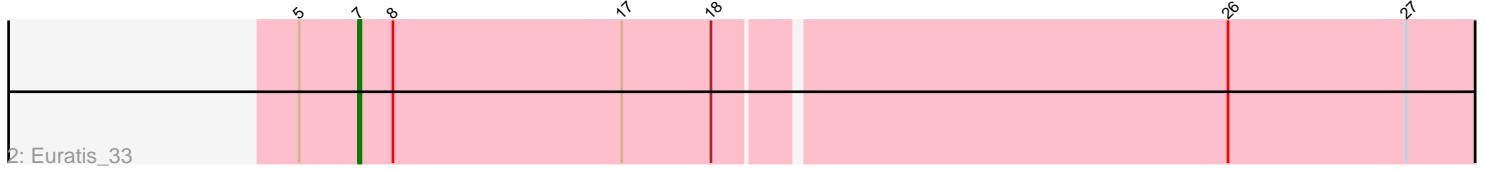
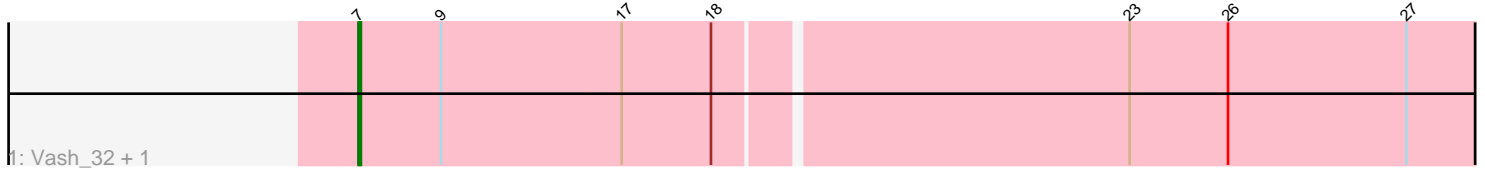


Pham 203474



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 203474 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203474 has 13 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Vash\_32, Lilbooboo\_32
- Track 2 : Euratis\_33
- Track 3 : Samora\_34
- Track 4 : phiBT1\_9.1
- Track 5 : Heather\_35
- Track 6 : RemusLoopin\_34
- Track 7 : Sebastisaurus\_34
- Track 8 : OfUltron\_75, Ochi17\_73, Llama\_74, Sebastian\_75
- Track 9 : Jarcob\_69

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

The start number called the most often in the published annotations is 7, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Euratis\_33, Heather\_35, Jarcob\_69, Lilbooboo\_32, Llama\_74, Ochi17\_73, OfUltron\_75, RemusLoopin\_34, Samora\_34, Sebastian\_75, Sebastisaurus\_34, Vash\_32, phiBT1\_9.1,

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 7:

- Found in 13 of 13 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 12 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Euratis\_33 (BB1), Heather\_35 (BB2), Jarcob\_69 (F1), Lilbooboo\_32 (BB1), Llama\_74 (F1), Ochi17\_73 (F1), OfUltron\_75

(F1), RemusLoopin\_34 (BB2), Samora\_34 (BB1), Seabastian\_75 (F1), Sebastisaurus\_34 (BB2), Vash\_32 (BB1), phiBT1\_9.1 (BB1),

### **Summary by clusters:**

There are 3 clusters represented in this pham: F1, BB2, BB1,

Info for manual annotations of cluster BB1:

- Start number 7 was manually annotated 4 times for cluster BB1.

Info for manual annotations of cluster BB2:

- Start number 7 was manually annotated 3 times for cluster BB2.

Info for manual annotations of cluster F1:

- Start number 7 was manually annotated 5 times for cluster F1.

### **Gene Information:**

Gene: Euratis\_33 Start: 25788, Stop: 26288, Start Num: 7

Candidate Starts for Euratis\_33:

(5, 25764), (Start: 7 @25788 has 12 MA's), (8, 25803), (17, 25902), (18, 25941), (26, 26157), (27, 26235),

Gene: Heather\_35 Start: 26803, Stop: 27303, Start Num: 7

Candidate Starts for Heather\_35:

(Start: 7 @26803 has 12 MA's), (15, 26884), (17, 26917), (18, 26956), (20, 26992), (22, 27124), (23, 27130), (27, 27250),

Gene: Jacob\_69 Start: 45412, Stop: 45819, Start Num: 7

Candidate Starts for Jacob\_69:

(1, 45289), (3, 45331), (Start: 7 @45412 has 12 MA's), (8, 45427), (10, 45454), (12, 45469), (14, 45487), (24, 45742), (25, 45760),

Gene: Lilbooboo\_32 Start: 25803, Stop: 26303, Start Num: 7

Candidate Starts for Lilbooboo\_32:

(Start: 7 @25803 has 12 MA's), (9, 25839), (17, 25917), (18, 25956), (23, 26130), (26, 26172), (27, 26250),

Gene: Llama\_74 Start: 46111, Stop: 46482, Start Num: 7

Candidate Starts for Llama\_74:

(1, 45988), (3, 46030), (Start: 7 @46111 has 12 MA's), (11, 46159), (13, 46174), (21, 46402),

Gene: Ochi17\_73 Start: 45707, Stop: 46078, Start Num: 7

Candidate Starts for Ochi17\_73:

(1, 45584), (3, 45626), (Start: 7 @45707 has 12 MA's), (11, 45755), (13, 45770), (21, 45998),

Gene: OfUltron\_75 Start: 46256, Stop: 46627, Start Num: 7

Candidate Starts for OfUltron\_75:

(1, 46133), (3, 46175), (Start: 7 @46256 has 12 MA's), (11, 46304), (13, 46319), (21, 46547),

Gene: RemusLoopin\_34 Start: 26998, Stop: 27498, Start Num: 7

Candidate Starts for RemusLoopin\_34:

(6, 26977), (Start: 7 @26998 has 12 MA's), (17, 27112), (18, 27151), (22, 27319), (23, 27325), (27, 27445),

Gene: Samora\_34 Start: 26403, Stop: 26903, Start Num: 7

Candidate Starts for Samora\_34:

(2, 26328), (4, 26337), (Start: 7 @26403 has 12 MA's), (9, 26439), (16, 26514), (17, 26517), (23, 26730), (24, 26739), (26, 26772),

Gene: Seabastian\_75 Start: 46257, Stop: 46628, Start Num: 7

Candidate Starts for Seabastian\_75:

(1, 46134), (3, 46176), (Start: 7 @46257 has 12 MA's), (11, 46305), (13, 46320), (21, 46548),

Gene: Sebastisaurus\_34 Start: 26720, Stop: 27220, Start Num: 7

Candidate Starts for Sebastisaurus\_34:

(6, 26699), (Start: 7 @26720 has 12 MA's), (17, 26834), (18, 26873), (20, 26909), (23, 27047), (26, 27089), (27, 27167),

Gene: Vash\_32 Start: 25646, Stop: 26146, Start Num: 7

Candidate Starts for Vash\_32:

(Start: 7 @25646 has 12 MA's), (9, 25682), (17, 25760), (18, 25799), (23, 25973), (26, 26015), (27, 26093),

Gene: phiBT1\_9.1 Start: 27120, Stop: 27620, Start Num: 7

Candidate Starts for phiBT1\_9.1:

(2, 27036), (4, 27045), (Start: 7 @27120 has 12 MA's), (16, 27231), (17, 27234), (19, 27297), (23, 27447), (26, 27489),