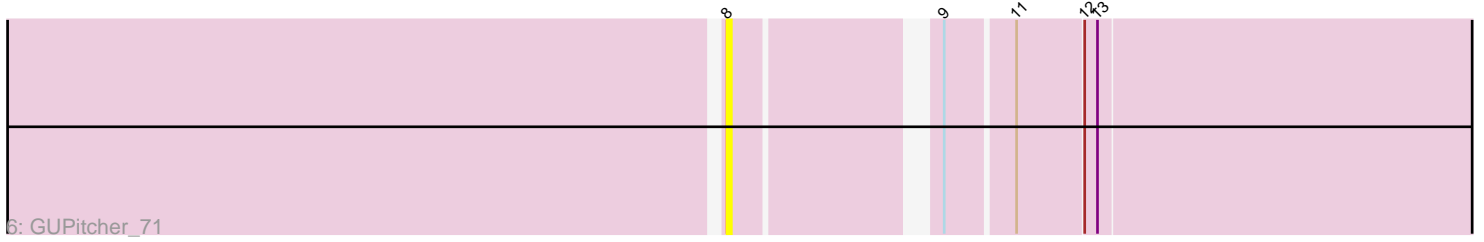
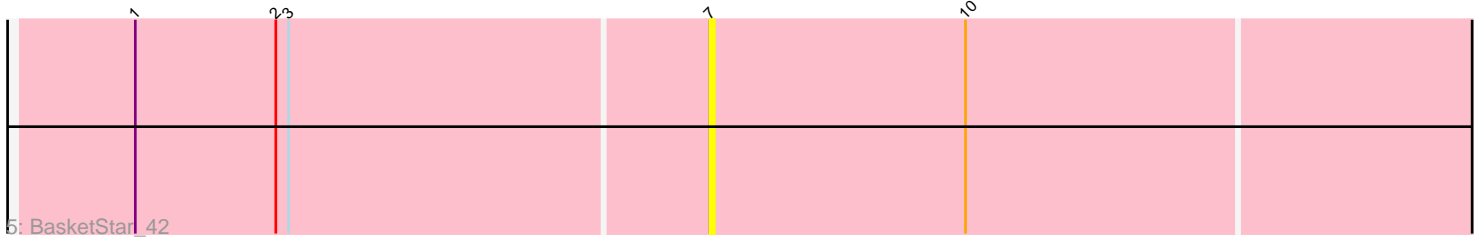
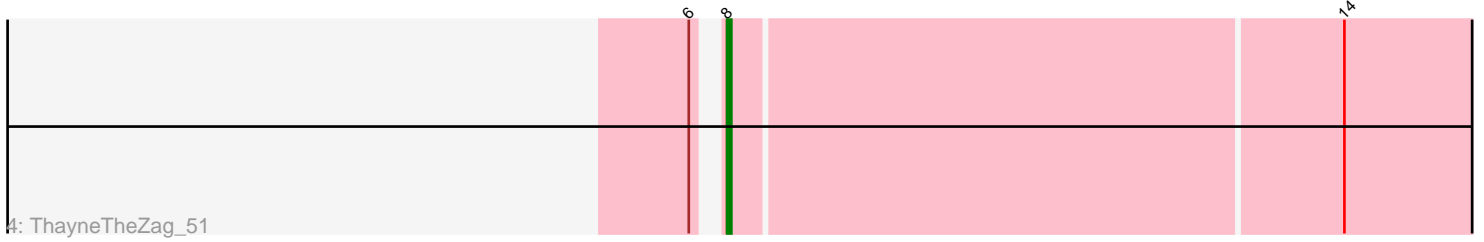
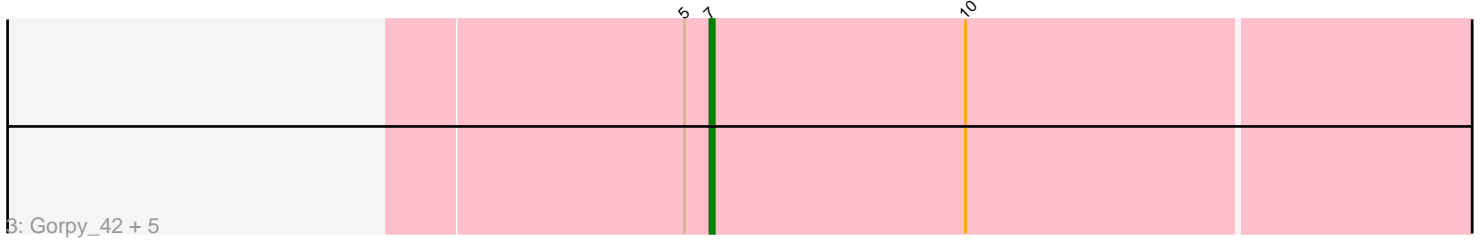
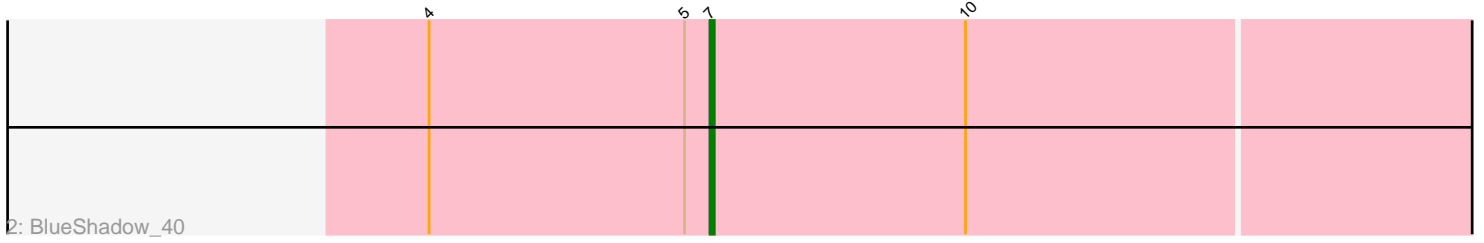
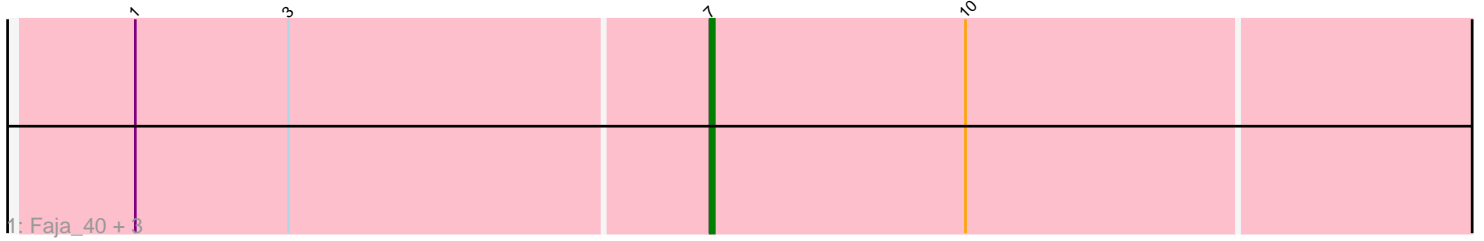


Pham 301889



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 301889 Report

This analysis was run 06/08/26 on database version 649.

Pham number 301889 has 14 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Faja\_40, Lawnathon\_43, Raphaella\_41, Richie\_43
- Track 2 : BlueShadow\_40
- Track 3 : Gorpy\_42, Sakai\_41, YoungHarleezy\_41, MaterMagnus\_41, Aikyam\_38, Auxilium\_39
- Track 4 : ThayneTheZag\_51
- Track 5 : BasketStar\_42
- Track 6 : GUPitcher\_71

### ***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 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aikyam\_38, Auxilium\_39, BasketStar\_42, BlueShadow\_40, Faja\_40, Gorpy\_42, Lawnathon\_43, MaterMagnus\_41, Raphaella\_41, Richie\_43, Sakai\_41, YoungHarleezy\_41,

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

- 

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

- GUPitcher\_71, ThayneTheZag\_51,

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

Start 7:

- Found in 12 of 14 ( 85.7% ) of genes in pham
- Manual Annotations of this start: 10 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aikyam\_38 (AY), Auxilium\_39 (AY), BasketStar\_42 (AY), BlueShadow\_40 (AY), Faja\_40 (AY), Gorpy\_42 (AY), Lawnathon\_43 (AY), MaterMagnus\_41 (AY), Raphaella\_41 (AY), Richie\_43 (AY), Sakai\_41 (AY), YoungHarleezy\_41 (AY),

Start 8:

- Found in 2 of 14 ( 14.3% ) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GUPitcher\_71 (FJ), ThayneTheZag\_51 (AY),

### **Summary by clusters:**

There are 2 clusters represented in this pham: AY, FJ,

Info for manual annotations of cluster AY:

- Start number 7 was manually annotated 10 times for cluster AY.
- Start number 8 was manually annotated 1 time for cluster AY.

### **Gene Information:**

Gene: Aikyam\_38 Start: 25806, Stop: 25600, Start Num: 7

Candidate Starts for Aikyam\_38:

(5, 25812), (Start: 7 @25806 has 10 MA's), (10, 25746),

Gene: Auxilium\_39 Start: 25508, Stop: 25302, Start Num: 7

Candidate Starts for Auxilium\_39:

(5, 25514), (Start: 7 @25508 has 10 MA's), (10, 25448),

Gene: BasketStar\_42 Start: 28445, Stop: 28239, Start Num: 7

Candidate Starts for BasketStar\_42:

(1, 28577), (2, 28544), (3, 28541), (Start: 7 @28445 has 10 MA's), (10, 28385),

Gene: BlueShadow\_40 Start: 27844, Stop: 27638, Start Num: 7

Candidate Starts for BlueShadow\_40:

(4, 27910), (5, 27850), (Start: 7 @27844 has 10 MA's), (10, 27784),

Gene: Faja\_40 Start: 29242, Stop: 29036, Start Num: 7

Candidate Starts for Faja\_40:

(1, 29374), (3, 29338), (Start: 7 @29242 has 10 MA's), (10, 29182),

Gene: GUPitcher\_71 Start: 41836, Stop: 42054, Start Num: 8

Candidate Starts for GUPitcher\_71:

(Start: 8 @41836 has 1 MA's), (9, 41878), (11, 41893), (12, 41908), (13, 41911),

Gene: Gorpy\_42 Start: 29200, Stop: 28994, Start Num: 7

Candidate Starts for Gorpy\_42:

(5, 29206), (Start: 7 @29200 has 10 MA's), (10, 29140),

Gene: Lawnathon\_43 Start: 28362, Stop: 28156, Start Num: 7

Candidate Starts for Lawnathon\_43:

(1, 28494), (3, 28458), (Start: 7 @28362 has 10 MA's), (10, 28302),

Gene: MaterMagnus\_41 Start: 27978, Stop: 27772, Start Num: 7  
Candidate Starts for MaterMagnus\_41:  
(5, 27984), (Start: 7 @27978 has 10 MA's), (10, 27918),

Gene: Raphaella\_41 Start: 27902, Stop: 27696, Start Num: 7  
Candidate Starts for Raphaella\_41:  
(1, 28034), (3, 27998), (Start: 7 @27902 has 10 MA's), (10, 27842),

Gene: Richie\_43 Start: 28523, Stop: 28317, Start Num: 7  
Candidate Starts for Richie\_43:  
(1, 28655), (3, 28619), (Start: 7 @28523 has 10 MA's), (10, 28463),

Gene: Sakai\_41 Start: 27911, Stop: 27705, Start Num: 7  
Candidate Starts for Sakai\_41:  
(5, 27917), (Start: 7 @27911 has 10 MA's), (10, 27851),

Gene: ThayneTheZag\_51 Start: 30592, Stop: 30822, Start Num: 8  
Candidate Starts for ThayneTheZag\_51:  
(6, 30589), (Start: 8 @30592 has 1 MA's), (14, 30733),

Gene: YoungHarleezy\_41 Start: 27981, Stop: 27775, Start Num: 7  
Candidate Starts for YoungHarleezy\_41:  
(5, 27987), (Start: 7 @27981 has 10 MA's), (10, 27921),