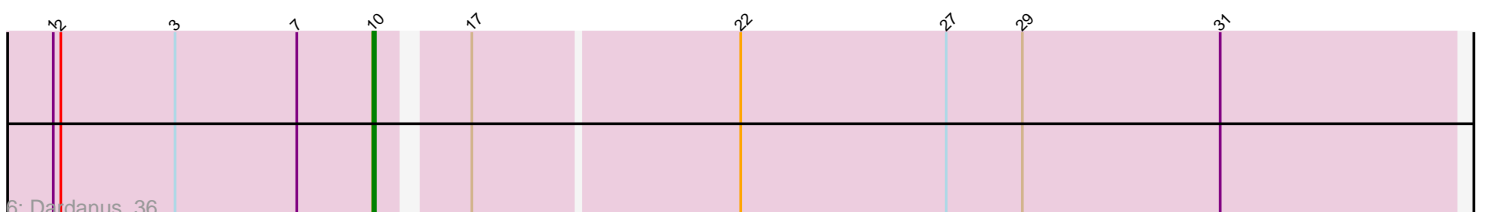
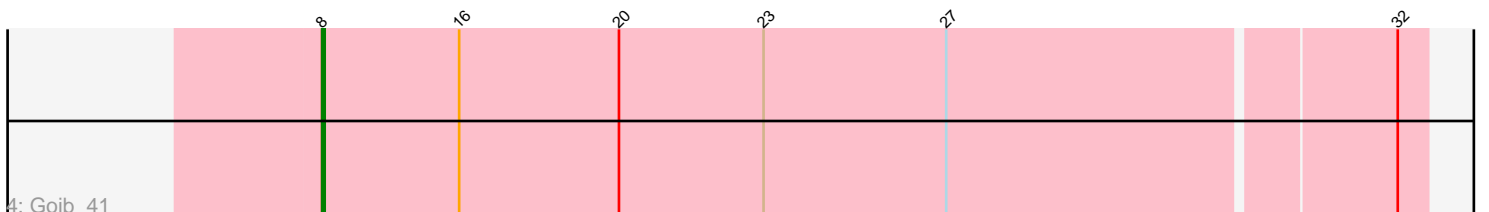
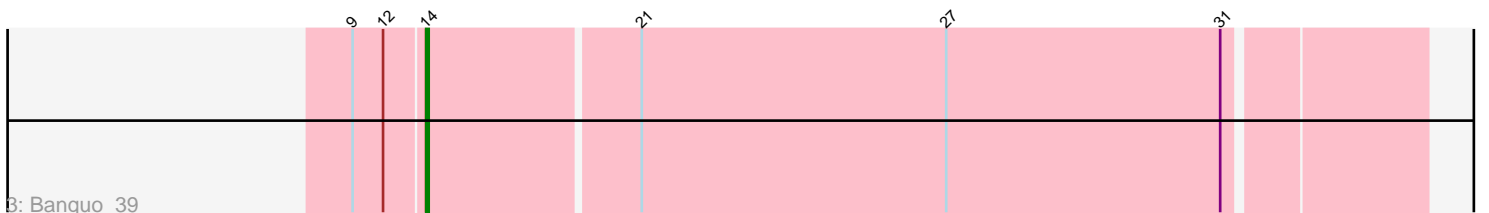
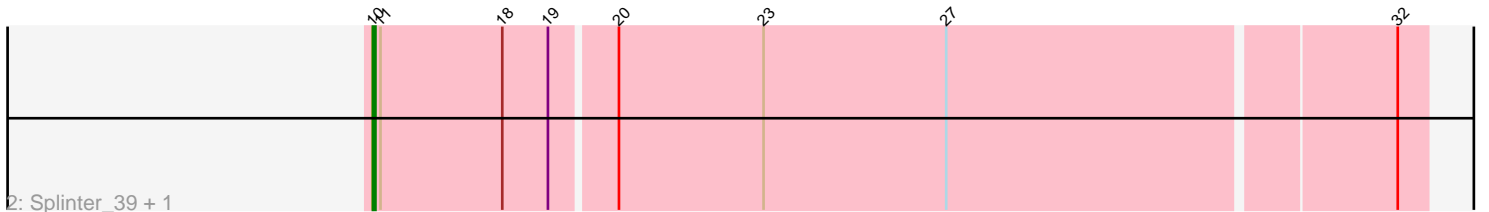
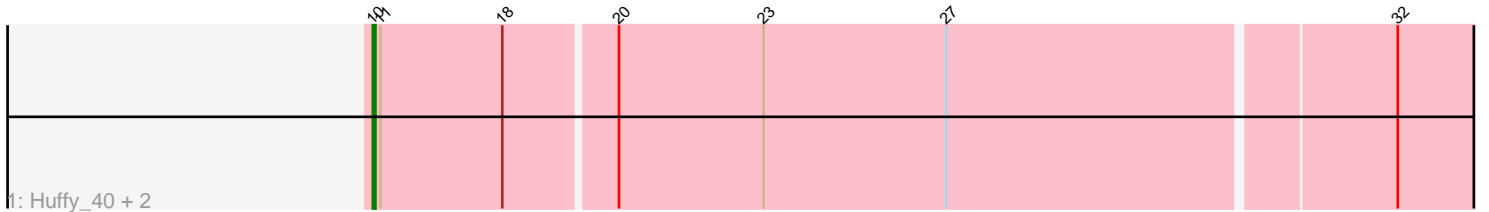


Pham 295322



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 295322 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295322 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Huffy\_40, TZGordon\_41, DinoDaryn\_40
- Track 2 : Splinter\_39, Vendetta\_39
- Track 3 : Banquo\_39
- Track 4 : Goib\_41
- Track 5 : TinaLin\_38
- Track 6 : Dardanus\_36
- Track 7 : Schmidt\_34

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

The start number called the most often in the published annotations is 10, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dardanus\_36, DinoDaryn\_40, Huffy\_40, Schmidt\_34, Splinter\_39, TZGordon\_41, Vendetta\_39,

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

- 

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

- Banquo\_39, Goib\_41, TinaLin\_38,

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

Start 8:

- Found in 1 of 10 ( 10.0% ) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Goib\_41 (CU1),

Start 10:

- Found in 7 of 10 ( 70.0% ) of genes in pham
- Manual Annotations of this start: 7 of 10

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dardanus\_36 (CU3), DinoDaryn\_40 (CU1), Huffy\_40 (CU1), Schmidt\_34 (CU4), Splinter\_39 (CU1), TZGordon\_41 (CU1), Vendetta\_39 (CU1),

Start 14:

- Found in 2 of 10 ( 20.0% ) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Banquo\_39 (CU1), TinaLin\_38 (CU1),

### **Summary by clusters:**

There are 3 clusters represented in this pham: CU4, CU3, CU1,

Info for manual annotations of cluster CU1:

- Start number 8 was manually annotated 1 time for cluster CU1.
- Start number 10 was manually annotated 5 times for cluster CU1.
- Start number 14 was manually annotated 2 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 10 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 10 was manually annotated 1 time for cluster CU4.

### **Gene Information:**

Gene: Banquo\_39 Start: 28265, Stop: 27882, Start Num: 14

Candidate Starts for Banquo\_39:

(9, 28292), (12, 28280), (Start: 14 @28265 has 2 MA's), (21, 28184), (27, 28064), (31, 27956),

Gene: Dardanus\_36 Start: 26552, Stop: 26139, Start Num: 10

Candidate Starts for Dardanus\_36:

(1, 26678), (2, 26675), (3, 26630), (7, 26582), (Start: 10 @26552 has 7 MA's), (17, 26522), (22, 26420), (27, 26339), (29, 26309), (31, 26231),

Gene: DinoDaryn\_40 Start: 28489, Stop: 28061, Start Num: 10

Candidate Starts for DinoDaryn\_40:

(Start: 10 @28489 has 7 MA's), (11, 28486), (18, 28438), (20, 28396), (23, 28339), (27, 28267), (32, 28096),

Gene: Goib\_41 Start: 29185, Stop: 28757, Start Num: 8

Candidate Starts for Goib\_41:

(Start: 8 @29185 has 1 MA's), (16, 29131), (20, 29068), (23, 29011), (27, 28939), (32, 28768),

Gene: Huffy\_40 Start: 28489, Stop: 28061, Start Num: 10

Candidate Starts for Huffy\_40:

(Start: 10 @28489 has 7 MA's), (11, 28486), (18, 28438), (20, 28396), (23, 28339), (27, 28267), (32, 28096),

Gene: Schmidt\_34 Start: 25761, Stop: 25366, Start Num: 10

Candidate Starts for Schmidt\_34:

(4, 25836), (5, 25833), (6, 25797), (Start: 10 @25761 has 7 MA's), (11, 25758), (15, 25731), (20, 25668), (25, 25572), (26, 25560), (27, 25539), (28, 25530), (30, 25470),

Gene: Splinter\_39 Start: 29090, Stop: 28686, Start Num: 10

Candidate Starts for Splinter\_39:

(Start: 10 @29090 has 7 MA's), (11, 29087), (18, 29039), (19, 29021), (20, 28997), (23, 28940), (27, 28868), (32, 28697),

Gene: TZGordon\_41 Start: 28404, Stop: 28000, Start Num: 10

Candidate Starts for TZGordon\_41:

(Start: 10 @28404 has 7 MA's), (11, 28401), (18, 28353), (20, 28311), (23, 28254), (27, 28182), (32, 28011),

Gene: TinaLin\_38 Start: 27938, Stop: 27555, Start Num: 14

Candidate Starts for TinaLin\_38:

(9, 27965), (13, 27941), (Start: 14 @27938 has 2 MA's), (21, 27857), (24, 27806), (27, 27737),

Gene: Vendetta\_39 Start: 29090, Stop: 28686, Start Num: 10

Candidate Starts for Vendetta\_39:

(Start: 10 @29090 has 7 MA's), (11, 29087), (18, 29039), (19, 29021), (20, 28997), (23, 28940), (27, 28868), (32, 28697),