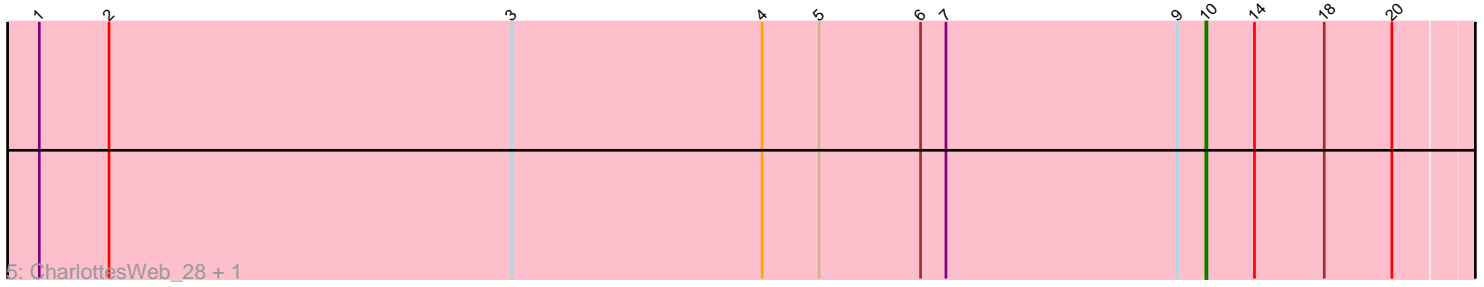
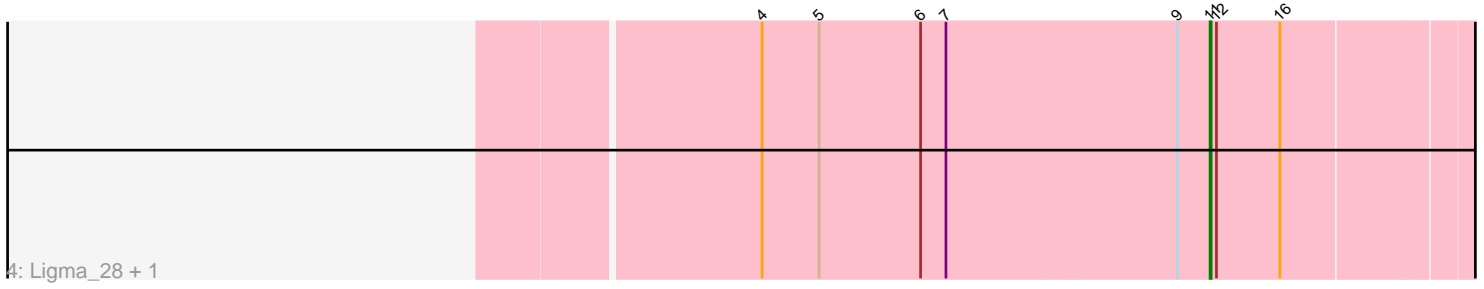
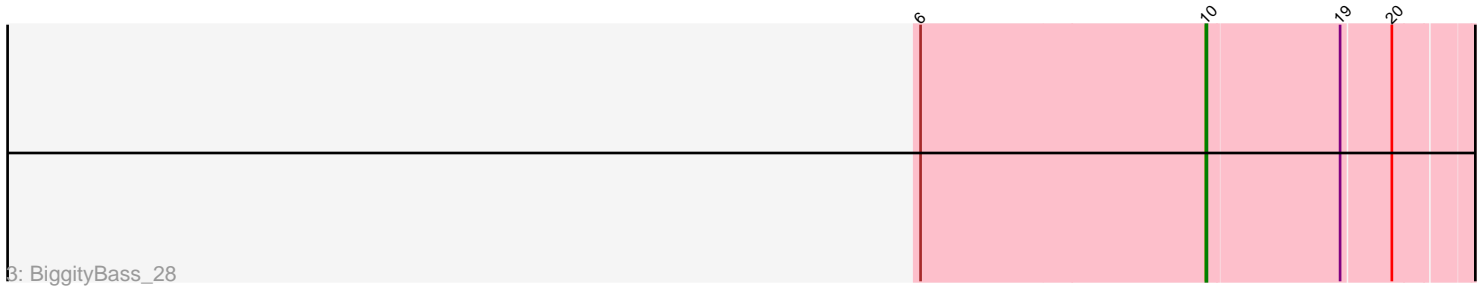
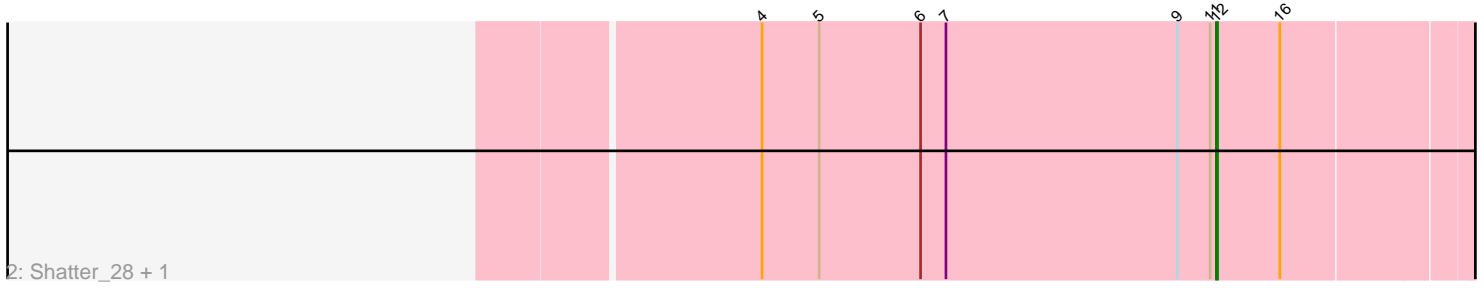
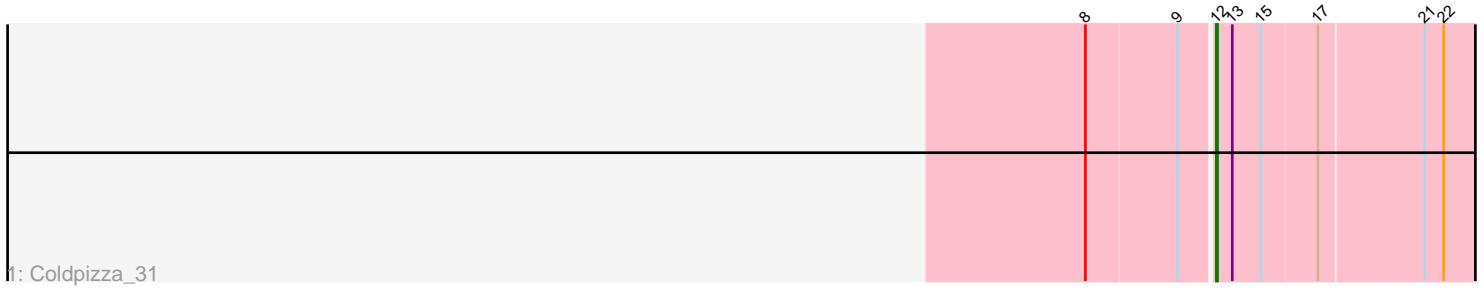


Pham 295372



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 295372 Report

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

Pham number 295372 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Coldpizza_31
- Track 2 : Shatter_28, Fresco_28
- Track 3 : BiggityBass_28
- Track 4 : Ligma_28, Axumite_28
- Track 5 : CharlottesWeb_28, Mariokart_28

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

The start number called the most often in the published annotations is 12, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Coldpizza_31, Fresco_28, Shatter_28,

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

- Axumite_28, Ligma_28,

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

- BiggityBass_28, CharlottesWeb_28, Mariokart_28,

Summary by start number:

Start 10:

- Found in 3 of 8 (37.5%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BiggityBass_28 (DR), CharlottesWeb_28 (DR), Mariokart_28 (DR),

Start 11:

- Found in 4 of 8 (50.0%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Axumite_28 (DR), Ligma_28 (DR),

Start 12:

- Found in 5 of 8 (62.5%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Coldpizza_31 (DR), Fresco_28 (DR), Shatter_28 (DR),

Summary by clusters:

There is one cluster represented in this pham: DR

Info for manual annotations of cluster DR:

- Start number 10 was manually annotated 2 times for cluster DR.
- Start number 11 was manually annotated 2 times for cluster DR.
- Start number 12 was manually annotated 3 times for cluster DR.

Gene Information:

Gene: Axumite_28 Start: 27214, Stop: 27477, Start Num: 11

Candidate Starts for Axumite_28:

(4, 26794), (5, 26848), (6, 26944), (7, 26968), (9, 27184), (Start: 11 @27214 has 2 MA's), (Start: 12 @27220 has 3 MA's), (16, 27280),

Gene: BiggityBass_28 Start: 29477, Stop: 29740, Start Num: 10

Candidate Starts for BiggityBass_28:

(6, 29210), (Start: 10 @29477 has 2 MA's), (19, 29600), (20, 29645),

Gene: CharlottesWeb_28 Start: 27149, Stop: 27418, Start Num: 10

Candidate Starts for CharlottesWeb_28:

(1, 26048), (2, 26114), (3, 26495), (4, 26732), (5, 26786), (6, 26882), (7, 26906), (9, 27122), (Start: 10 @27149 has 2 MA's), (14, 27194), (18, 27260), (20, 27323),

Gene: Coldpizza_31 Start: 31635, Stop: 31898, Start Num: 12

Candidate Starts for Coldpizza_31:

(8, 31521), (9, 31605), (Start: 12 @31635 has 3 MA's), (13, 31650), (15, 31677), (17, 31728), (21, 31824), (22, 31842),

Gene: Fresco_28 Start: 27220, Stop: 27477, Start Num: 12

Candidate Starts for Fresco_28:

(4, 26794), (5, 26848), (6, 26944), (7, 26968), (9, 27184), (Start: 11 @27214 has 2 MA's), (Start: 12 @27220 has 3 MA's), (16, 27280),

Gene: Ligma_28 Start: 27214, Stop: 27477, Start Num: 11

Candidate Starts for Ligma_28:

(4, 26794), (5, 26848), (6, 26944), (7, 26968), (9, 27184), (Start: 11 @27214 has 2 MA's), (Start: 12 @27220 has 3 MA's), (16, 27280),

Gene: Mariokart_28 Start: 27148, Stop: 27417, Start Num: 10

Candidate Starts for Mariokart_28:

(1, 26047), (2, 26113), (3, 26494), (4, 26731), (5, 26785), (6, 26881), (7, 26905), (9, 27121), (Start: 10 @27148 has 2 MA's), (14, 27193), (18, 27259), (20, 27322),

Gene: Shatter_28 Start: 27220, Stop: 27477, Start Num: 12

Candidate Starts for Shatter_28:

(4, 26794), (5, 26848), (6, 26944), (7, 26968), (9, 27184), (Start: 11 @27214 has 2 MA's), (Start: 12 @27220 has 3 MA's), (16, 27280),