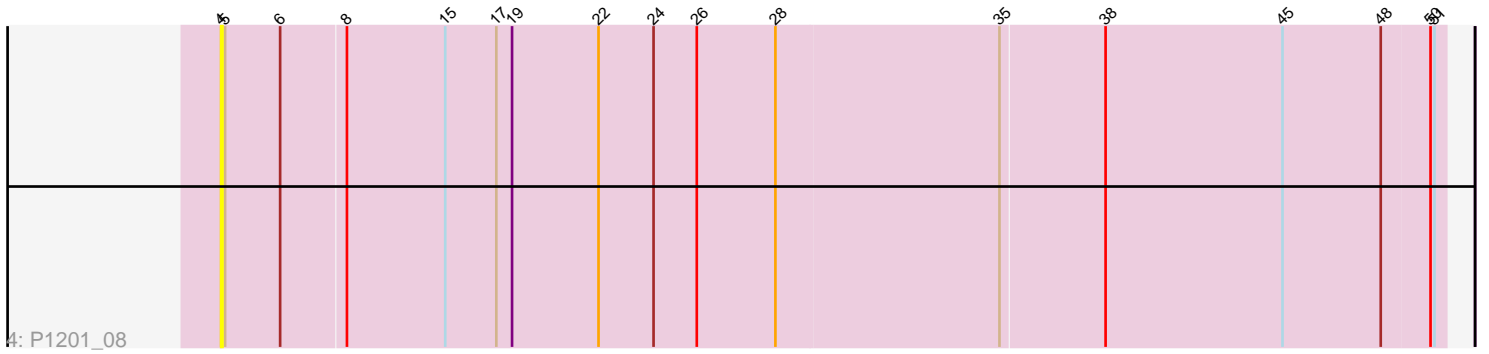
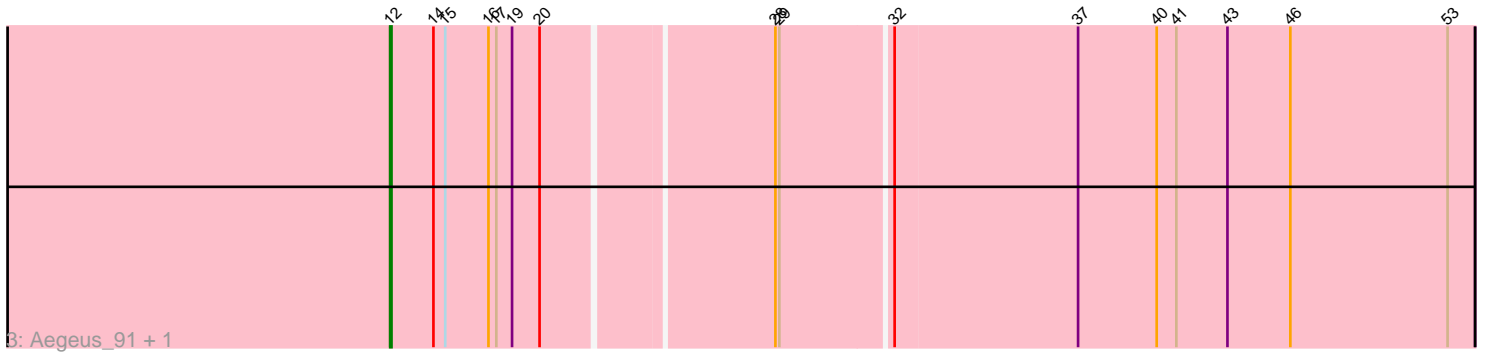
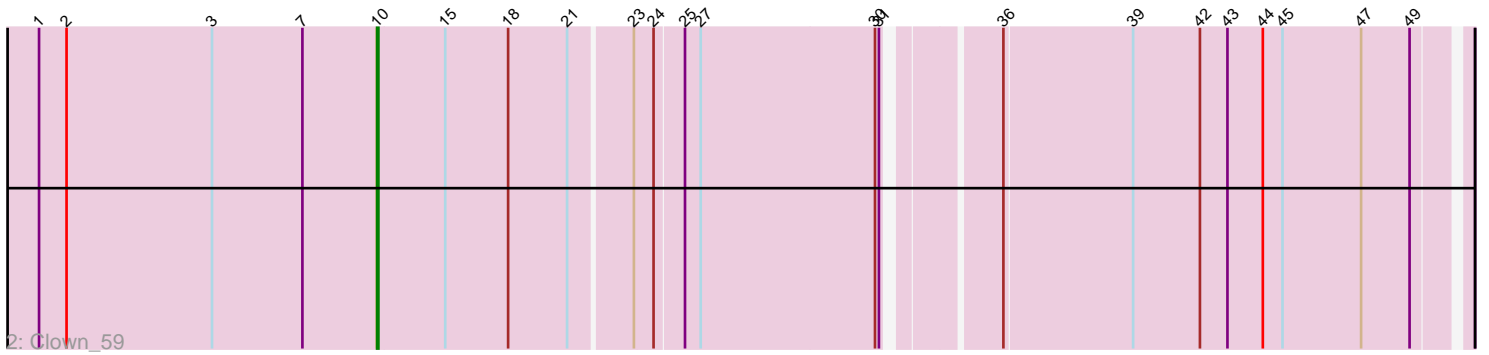
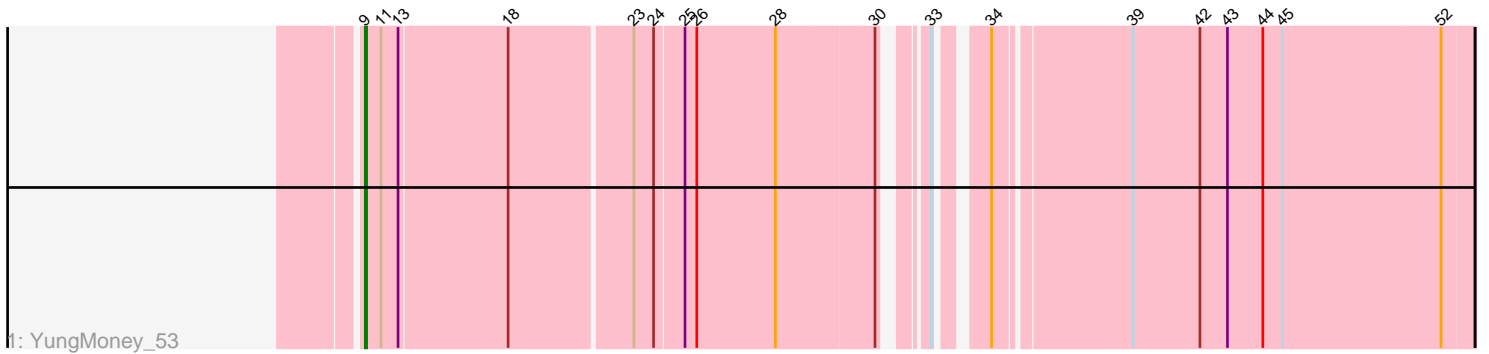


Pham 158540



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 158540 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158540 has 5 members, 1 are drafts.

Phages represented in each track:

- Track 1 : YungMoney_53
- Track 2 : Clown_59
- Track 3 : Aegeus_91, Baudelaire_91
- Track 4 : P1201_08

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 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aegeus_91, Baudelaire_91,

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

-

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

- Clown_59, P1201_08, YungMoney_53,

Summary by start number:

Start 4:

- Found in 1 of 5 (20.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: P1201_08 (singleton),

Start 9:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: YungMoney_53 (DC1),

Start 10:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Clown_59 (DC2),

Start 12:

- Found in 2 of 5 (40.0%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aegeus_91 (L5), Baudelaire_91 (L5),

Summary by clusters:

There are 4 clusters represented in this pham: singleton, L5, DC2, DC1,

Info for manual annotations of cluster DC1:

- Start number 9 was manually annotated 1 time for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 10 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster L5:

- Start number 12 was manually annotated 2 times for cluster L5.

Gene Information:

Gene: Aegeus_91 Start: 56094, Stop: 56897, Start Num: 12

Candidate Starts for Aegeus_91:

(Start: 12 @56094 has 2 MA's), (14, 56127), (15, 56136), (16, 56169), (17, 56175), (19, 56187), (20, 56208), (28, 56373), (29, 56376), (32, 56457), (37, 56595), (40, 56655), (41, 56670), (43, 56709), (46, 56757), (53, 56877),

Gene: Baudelaire_91 Start: 56094, Stop: 56897, Start Num: 12

Candidate Starts for Baudelaire_91:

(Start: 12 @56094 has 2 MA's), (14, 56127), (15, 56136), (16, 56169), (17, 56175), (19, 56187), (20, 56208), (28, 56373), (29, 56376), (32, 56457), (37, 56595), (40, 56655), (41, 56670), (43, 56709), (46, 56757), (53, 56877),

Gene: Clown_59 Start: 43467, Stop: 44249, Start Num: 10

Candidate Starts for Clown_59:

(1, 43209), (2, 43230), (3, 43341), (7, 43410), (Start: 10 @43467 has 1 MA's), (15, 43518), (18, 43566), (21, 43611), (23, 43656), (24, 43668), (25, 43689), (27, 43701), (30, 43833), (31, 43836), (36, 43908), (39, 44004), (42, 44055), (43, 44076), (44, 44103), (45, 44118), (47, 44178), (49, 44214),

Gene: P1201_08 Start: 2597, Stop: 3520, Start Num: 4

Candidate Starts for P1201_08:

(4, 2597), (5, 2600), (6, 2642), (8, 2690), (15, 2765), (17, 2804), (19, 2816), (22, 2882), (24, 2924), (26, 2957), (28, 3017), (35, 3185), (38, 3263), (45, 3398), (48, 3473), (50, 3509), (51, 3512),

Gene: YungMoney_53 Start: 42952, Stop: 43722, Start Num: 9

Candidate Starts for YungMoney_53:

(Start: 9 @42952 has 1 MA's), (11, 42964), (13, 42976), (18, 43057), (23, 43147), (24, 43159), (25, 43180), (26, 43189), (28, 43249), (30, 43321), (33, 43342), (34, 43369), (39, 43465), (42, 43516), (43, 43537), (44, 43564), (45, 43579), (52, 43699),