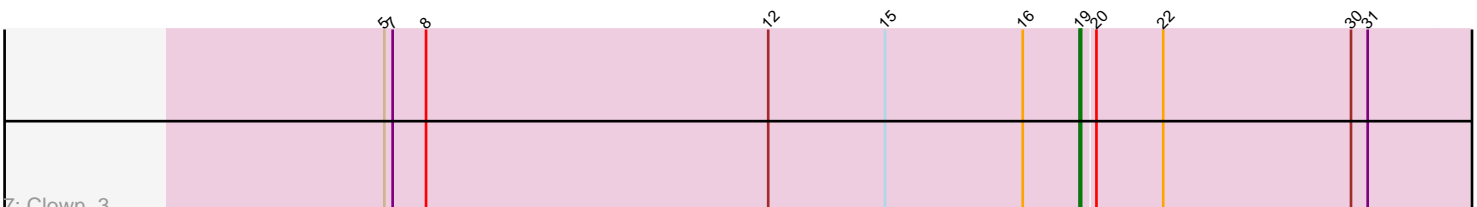
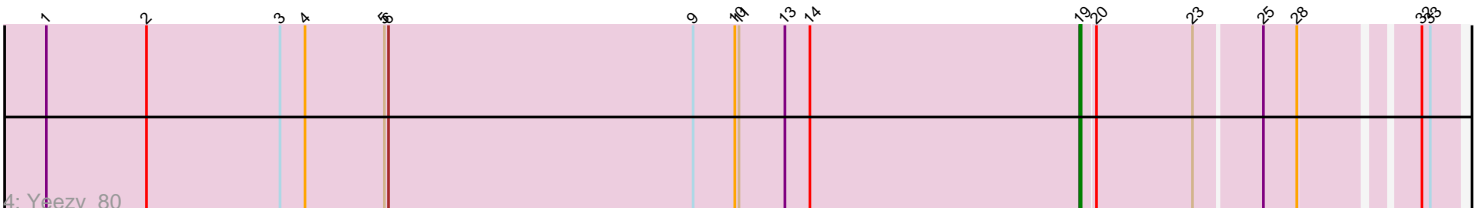
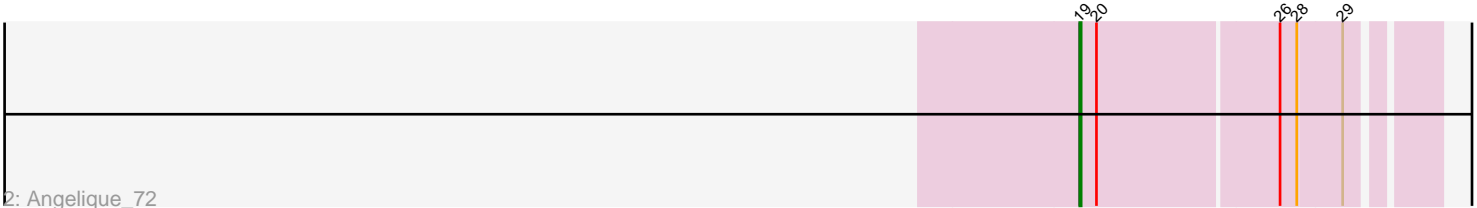
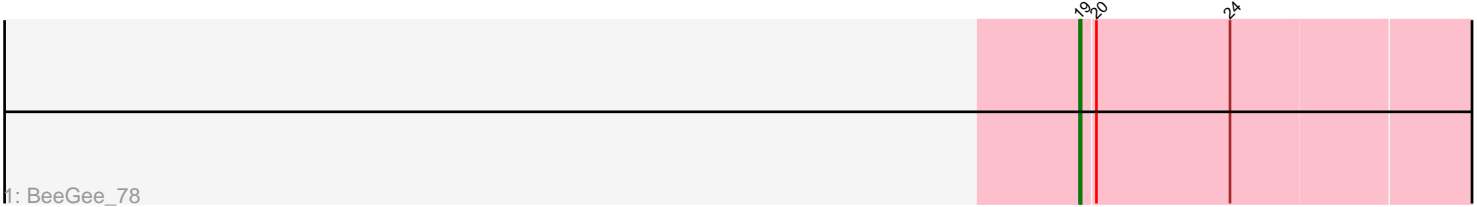


Pham 88370



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 88370 Report

This analysis was run 04/28/24 on database version 559.

Pham number 88370 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : BeeGee_78
- Track 2 : Angelique_72
- Track 3 : Hyzer_92
- Track 4 : Yeezy_80
- Track 5 : Twister6_3
- Track 6 : Halo3_3
- Track 7 : Clown_3

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

The start number called the most often in the published annotations is 19, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Angelique_72, BeeGee_78, Clown_3, Hyzer_92, Yeezy_80,

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

-

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

- Halo3_3, Twister6_3,

Summary by start number:

Start 18:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Halo3_3 (DC1),

Start 19:

- Found in 5 of 7 (71.4%) of genes in pham
- Manual Annotations of this start: 4 of 6
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Angelique_72 (CY1), BeeGee_78 (CY), Clown_3 (DC2), Hyzer_92 (CZ1), Yeezy_80 (CZ3),

Start 22:

- Found in 3 of 7 (42.9%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Twister6_3 (DC1),

Summary by clusters:

There are 6 clusters represented in this pham: CY1, CZ3, CZ1, CY, DC2, DC1,

Info for manual annotations of cluster CY:

- Start number 19 was manually annotated 1 time for cluster CY.

Info for manual annotations of cluster CY1:

- Start number 19 was manually annotated 1 time for cluster CY1.

Info for manual annotations of cluster CZ3:

- Start number 19 was manually annotated 1 time for cluster CZ3.

Info for manual annotations of cluster DC1:

- Start number 18 was manually annotated 1 time for cluster DC1.
- Start number 22 was manually annotated 1 time for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 19 was manually annotated 1 time for cluster DC2.

Gene Information:

Gene: Angelique_72 Start: 49148, Stop: 49384, Start Num: 19

Candidate Starts for Angelique_72:

(Start: 19 @49148 has 4 MA's), (20, 49160), (26, 49286), (28, 49298), (29, 49328),

Gene: BeeGee_78 Start: 49466, Stop: 49747, Start Num: 19

Candidate Starts for BeeGee_78:

(Start: 19 @49466 has 4 MA's), (20, 49475), (24, 49571),

Gene: Clown_3 Start: 1189, Stop: 1464, Start Num: 19

Candidate Starts for Clown_3:

(5, 691), (7, 697), (8, 721), (12, 967), (15, 1051), (16, 1150), (Start: 19 @1189 has 4 MA's), (20, 1198), (Start: 22 @1246 has 1 MA's), (30, 1381), (31, 1393),

Gene: Halo3_3 Start: 1067, Stop: 1321, Start Num: 18

Candidate Starts for Halo3_3:

(16, 1031), (Start: 18 @1067 has 1 MA's), (21, 1091), (Start: 22 @1130 has 1 MA's), (27, 1220), (30, 1265),

Gene: Hyzer_92 Start: 57378, Stop: 57623, Start Num: 19

Candidate Starts for Hyzer_92:

(17, 57369), (Start: 19 @57378 has 4 MA's), (20, 57387), (25, 57501), (26, 57513), (28, 57525),

Gene: Twister6_3 Start: 1126, Stop: 1317, Start Num: 22

Candidate Starts for Twister6_3:

(Start: 22 @1126 has 1 MA's), (27, 1216), (30, 1261),

Gene: Yeezy_80 Start: 48934, Stop: 49179, Start Num: 19

Candidate Starts for Yeezy_80:

(1, 48196), (2, 48268), (3, 48364), (4, 48382), (5, 48439), (6, 48442), (9, 48661), (10, 48691), (11, 48694), (13, 48727), (14, 48745), (Start: 19 @48934 has 4 MA's), (20, 48943), (23, 49012), (25, 49057), (28, 49081), (32, 49153), (33, 49159),