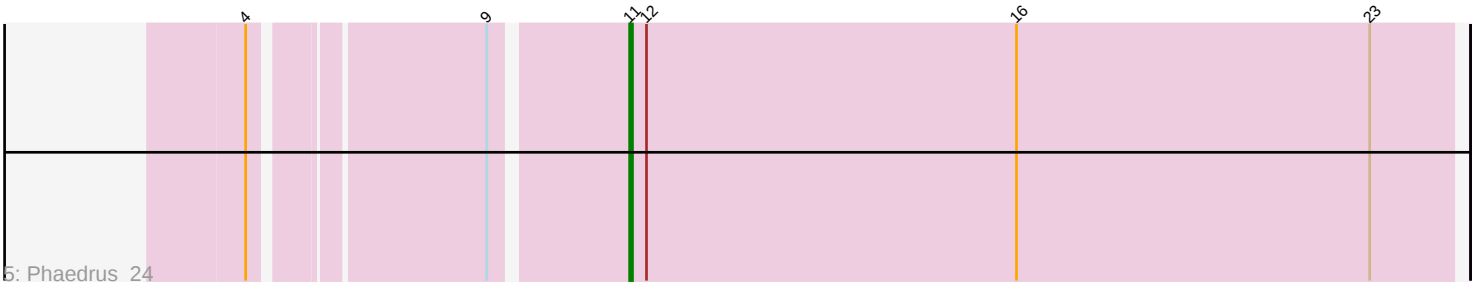
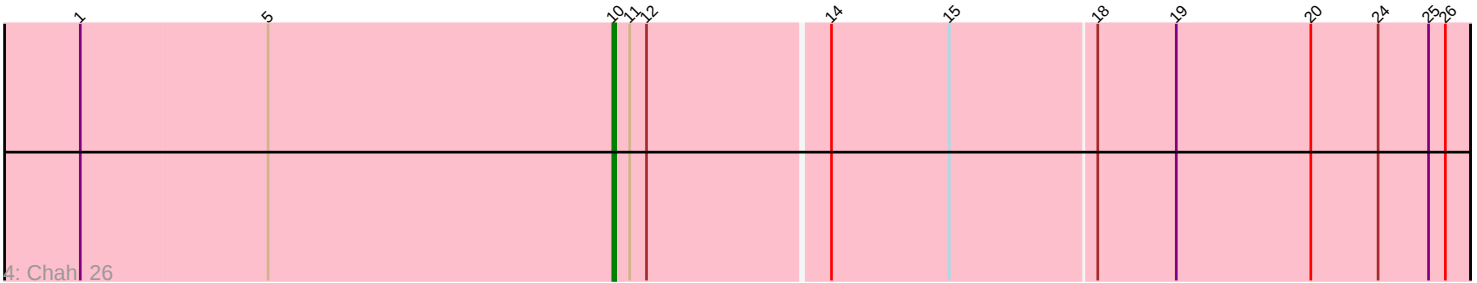
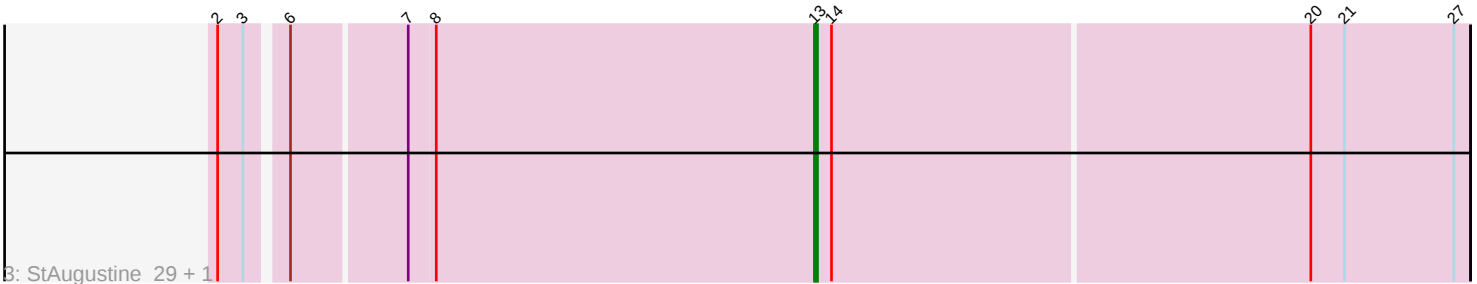
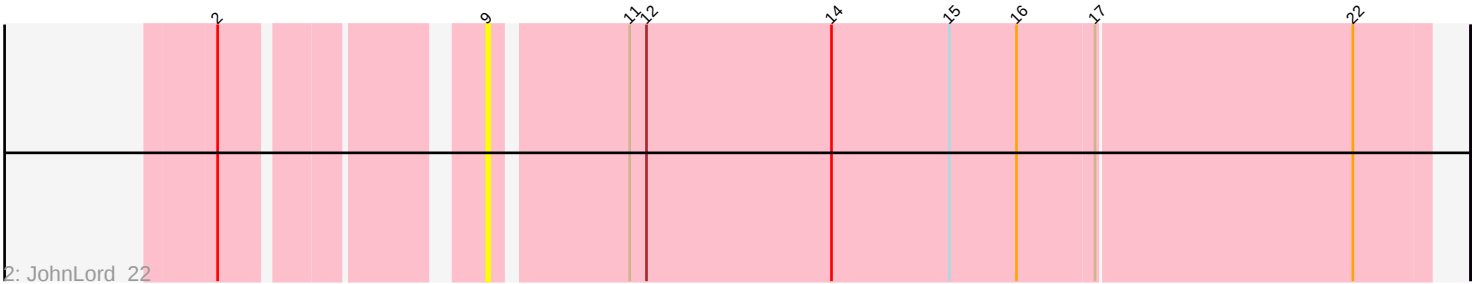
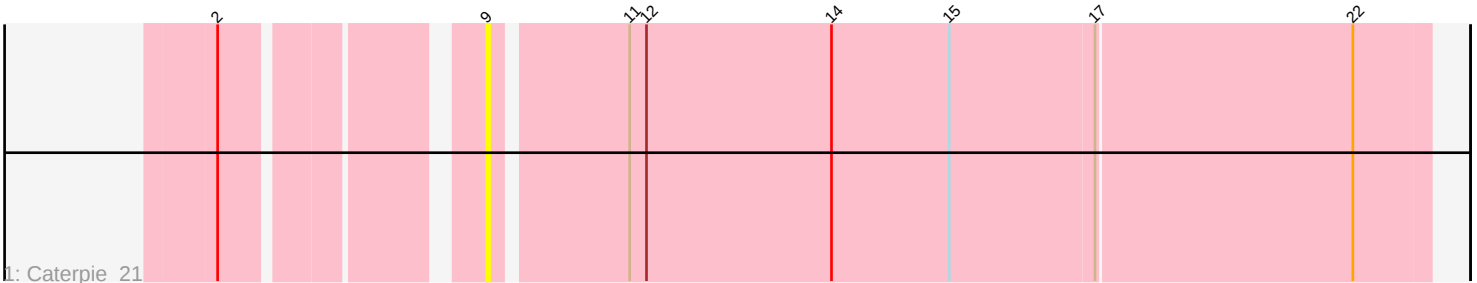


Pham 331639



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 331639 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331639 has 6 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Caterpie_21
- Track 2 : JohnLord_22
- Track 3 : StAugustine_29, Causa_31
- Track 4 : Chah_26
- Track 5 : Phaedruss_24

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

The start number called the most often in the published annotations is 13, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Causa_31, StAugustine_29,

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

-

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

- Caterpie_21, Chah_26, JohnLord_22, Phaedruss_24,

Summary by start number:

Start 9:

- Found in 3 of 6 (50.0%) of genes in pham
- No Manual Annotations of this start.
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Caterpie_21 (AD), JohnLord_22 (AD),

Start 10:

- Found in 1 of 6 (16.7%) 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: Chah_26 (B1),

Start 11:

- Found in 4 of 6 (66.7%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Phaedruss_24 (B3),

Start 13:

- Found in 2 of 6 (33.3%) 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: Causa_31 (A1), StAugustine_29 (A1),

Summary by clusters:

There are 4 clusters represented in this pham: A1, B1, AD, B3,

Info for manual annotations of cluster A1:

- Start number 13 was manually annotated 2 times for cluster A1.

Info for manual annotations of cluster B1:

- Start number 10 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B3:

- Start number 11 was manually annotated 1 time for cluster B3.

Gene Information:

Gene: Caterpie_21 Start: 16495, Stop: 16821, Start Num: 9

Candidate Starts for Caterpie_21:

(2, 16417), (9, 16495), (Start: 11 @16540 has 1 MA's), (12, 16546), (14, 16612), (15, 16654), (17, 16705), (22, 16795),

Gene: Causa_31 Start: 21851, Stop: 22081, Start Num: 13

Candidate Starts for Causa_31:

(2, 21647), (3, 21656), (6, 21668), (7, 21707), (8, 21716), (Start: 13 @21851 has 2 MA's), (14, 21857), (20, 22025), (21, 22037), (27, 22076),

Gene: Chah_26 Start: 18818, Stop: 19117, Start Num: 10

Candidate Starts for Chah_26:

(1, 18629), (5, 18695), (Start: 10 @18818 has 1 MA's), (Start: 11 @18824 has 1 MA's), (12, 18830), (14, 18893), (15, 18935), (18, 18986), (19, 19013), (20, 19061), (24, 19085), (25, 19103), (26, 19109),

Gene: JohnLord_22 Start: 16002, Stop: 16328, Start Num: 9

Candidate Starts for JohnLord_22:

(2, 15924), (9, 16002), (Start: 11 @16047 has 1 MA's), (12, 16053), (14, 16119), (15, 16161), (16, 16185), (17, 16212), (22, 16302),

Gene: Phaedruss_24 Start: 19399, Stop: 19692, Start Num: 11

Candidate Starts for Phaedruss_24:

(4, 19279), (9, 19354), (Start: 11 @19399 has 1 MA's), (12, 19405), (16, 19537), (23, 19663),

Gene: StAugustine_29 Start: 21845, Stop: 22075, Start Num: 13

Candidate Starts for StAugustine_29:

(2, 21641), (3, 21650), (6, 21662), (7, 21701), (8, 21710), (Start: 13 @21845 has 2 MA's), (14, 21851),
(20, 22019), (21, 22031), (27, 22070),