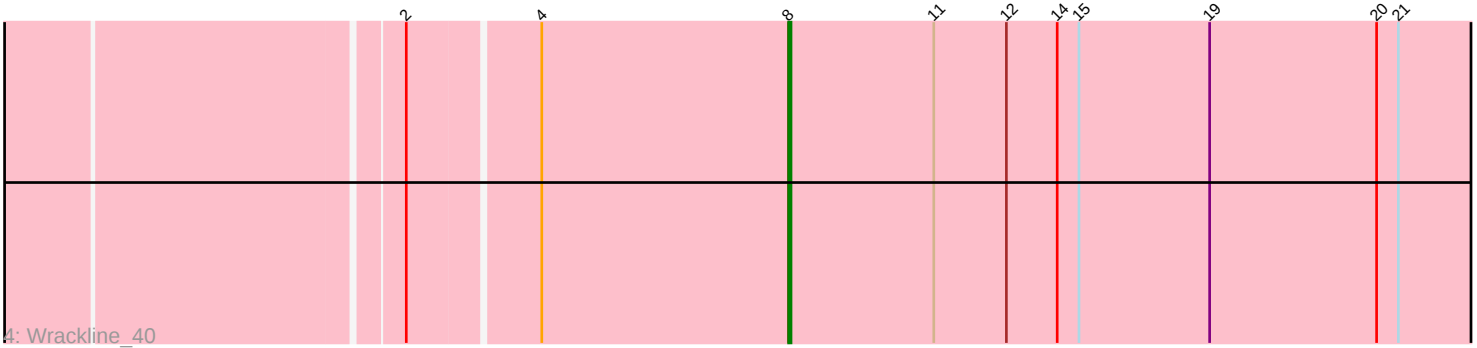
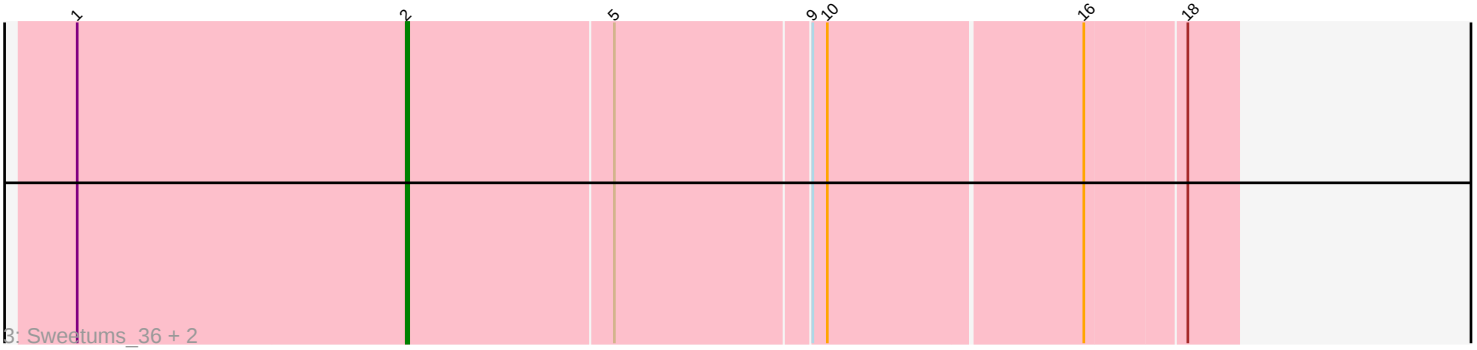
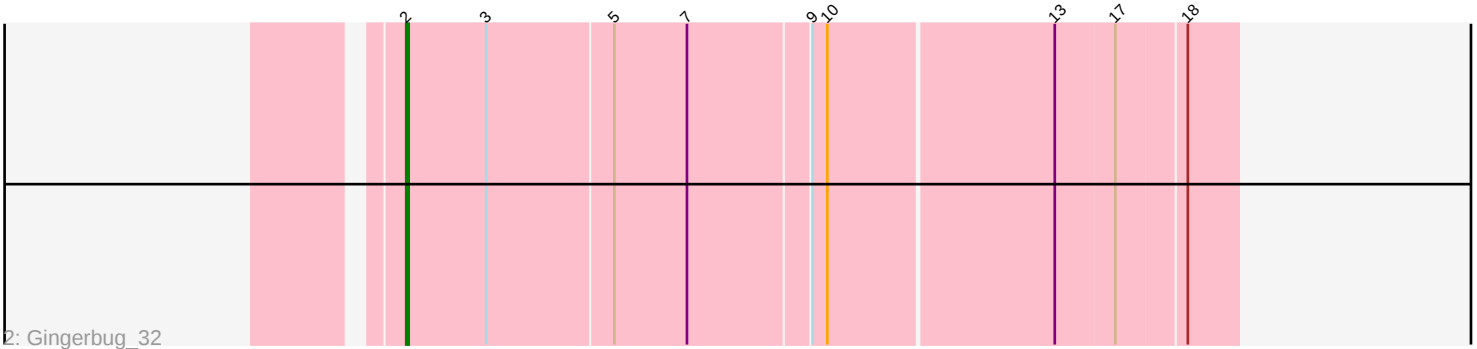
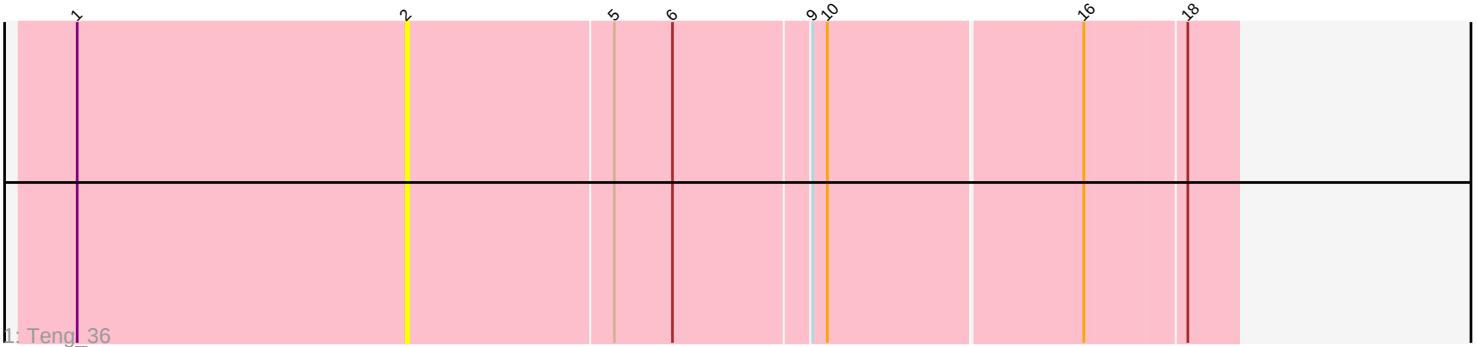




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 310074 Report

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

Pham number 310074 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Teng_36
- Track 2 : Gingerbug_32
- Track 3 : Sweetums_36, Lesiram_35, DelaGarza_34
- Track 4 : Wrackline_40

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

The start number called the most often in the published annotations is 2, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DelaGarza_34, Gingerbug_32, Lesiram_35, Sweetums_36, Teng_36,

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

- Wrackline_40,

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

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Summary by start number:

Start 2:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 5
- Called 83.3% of time when present
- Phage (with cluster) where this start called: DelaGarza_34 (GF), Gingerbug_32 (GF), Lesiram_35 (GF), Sweetums_36 (GF), Teng_36 (GF),

Start 8:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Wrackline_40 (GF),

Summary by clusters:

There is one cluster represented in this pham: GF

Info for manual annotations of cluster GF:

- Start number 2 was manually annotated 4 times for cluster GF.
- Start number 8 was manually annotated 1 time for cluster GF.

Gene Information:

Gene: DelaGarza_34 Start: 22775, Stop: 22446, Start Num: 2

Candidate Starts for DelaGarza_34:

(1, 22910), (Start: 2 @22775 has 4 MA's), (5, 22691), (9, 22613), (10, 22607), (16, 22505), (18, 22466),

Gene: Gingerbug_32 Start: 22893, Stop: 22564, Start Num: 2

Candidate Starts for Gingerbug_32:

(Start: 2 @22893 has 4 MA's), (3, 22860), (5, 22809), (7, 22779), (9, 22731), (10, 22725), (13, 22635), (17, 22611), (18, 22584),

Gene: Lesiram_35 Start: 22747, Stop: 22418, Start Num: 2

Candidate Starts for Lesiram_35:

(1, 22882), (Start: 2 @22747 has 4 MA's), (5, 22663), (9, 22585), (10, 22579), (16, 22477), (18, 22438),

Gene: Sweetums_36 Start: 22868, Stop: 22539, Start Num: 2

Candidate Starts for Sweetums_36:

(1, 23003), (Start: 2 @22868 has 4 MA's), (5, 22784), (9, 22706), (10, 22700), (16, 22598), (18, 22559),

Gene: Teng_36 Start: 22785, Stop: 22456, Start Num: 2

Candidate Starts for Teng_36:

(1, 22920), (Start: 2 @22785 has 4 MA's), (5, 22701), (6, 22677), (9, 22623), (10, 22617), (16, 22515), (18, 22476),

Gene: Wrackline_40 Start: 23757, Stop: 23461, Start Num: 8

Candidate Starts for Wrackline_40:

(Start: 2 @23910 has 4 MA's), (4, 23859), (Start: 8 @23757 has 1 MA's), (11, 23697), (12, 23667), (14, 23646), (15, 23637), (19, 23583), (20, 23514), (21, 23505),