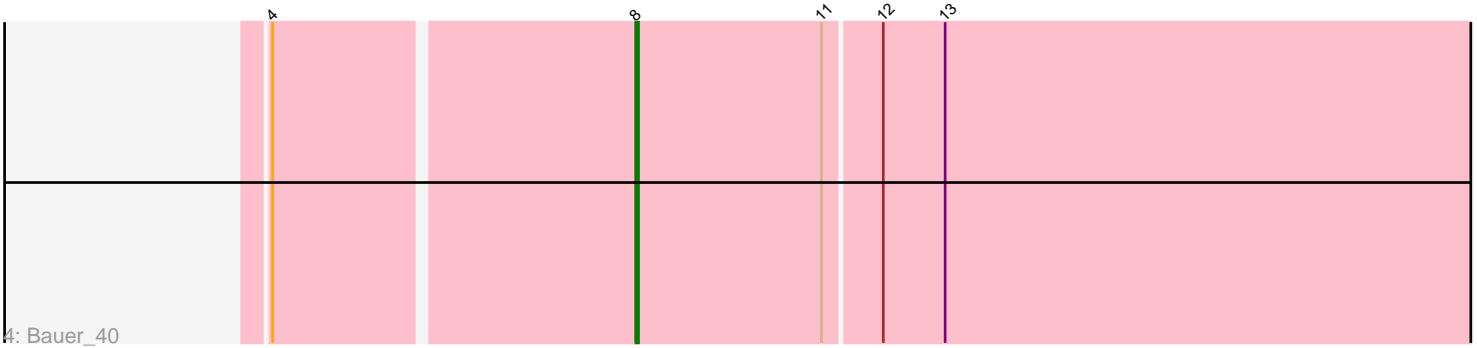
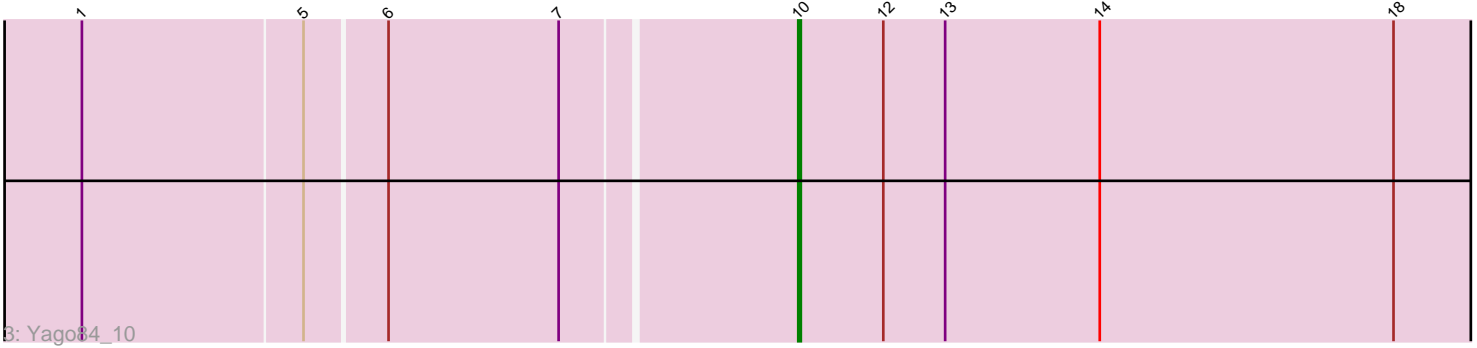
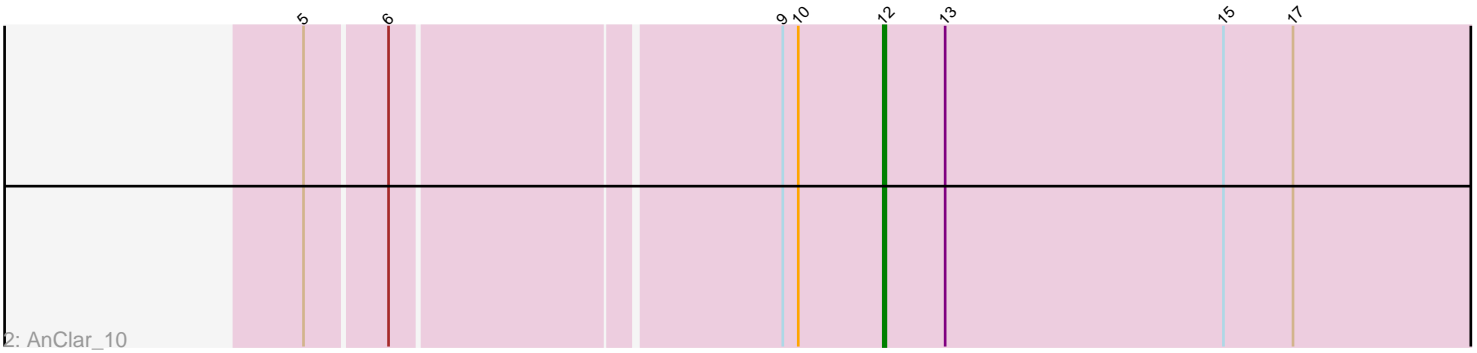


Pham 89338



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 89338 Report

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

Pham number 89338 has 4 members, 1 are drafts.

Phages represented in each track:

- Track 1 : BillyTP_41
- Track 2 : AnClar_10
- Track 3 : Yago84_10
- Track 4 : Bauer_40

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

The start number called the most often in the published annotations is 8, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bauer_40,

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

-

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

- AnClar_10, BillyTP_41, Yago84_10,

Summary by start number:

Start 8:

- Found in 1 of 4 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bauer_40 (FN),

Start 10:

- Found in 2 of 4 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Yago84_10 (DR),

Start 12:

- Found in 3 of 4 (75.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 33.3% of time when present
- Phage (with cluster) where this start called: AnClar_10 (DR),

Start 13:

- Found in 4 of 4 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: BillyTP_41 (AY),

Summary by clusters:

There are 3 clusters represented in this pham: AY, DR, FN,

Info for manual annotations of cluster DR:

- Start number 10 was manually annotated 1 time for cluster DR.
- Start number 12 was manually annotated 1 time for cluster DR.

Info for manual annotations of cluster FN:

- Start number 8 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: AnClar_10 Start: 10299, Stop: 10048, Start Num: 12

Candidate Starts for AnClar_10:

(5, 10512), (6, 10482), (9, 10338), (Start: 10 @10332 has 1 MA's), (Start: 12 @10299 has 1 MA's), (13, 10275), (15, 10167), (17, 10140),

Gene: Bauer_40 Start: 28441, Stop: 28097, Start Num: 8

Candidate Starts for Bauer_40:

(4, 28576), (Start: 8 @28441 has 1 MA's), (11, 28369), (Start: 12 @28348 has 1 MA's), (13, 28324),

Gene: BillyTP_41 Start: 27719, Stop: 27946, Start Num: 13

Candidate Starts for BillyTP_41:

(2, 27422), (3, 27443), (4, 27467), (9, 27659), (13, 27719), (16, 27851),

Gene: Yago84_10 Start: 9848, Stop: 9564, Start Num: 10

Candidate Starts for Yago84_10:

(1, 10115), (5, 10031), (6, 10001), (7, 9935), (Start: 10 @9848 has 1 MA's), (Start: 12 @9815 has 1 MA's), (13, 9791), (14, 9731), (18, 9617),