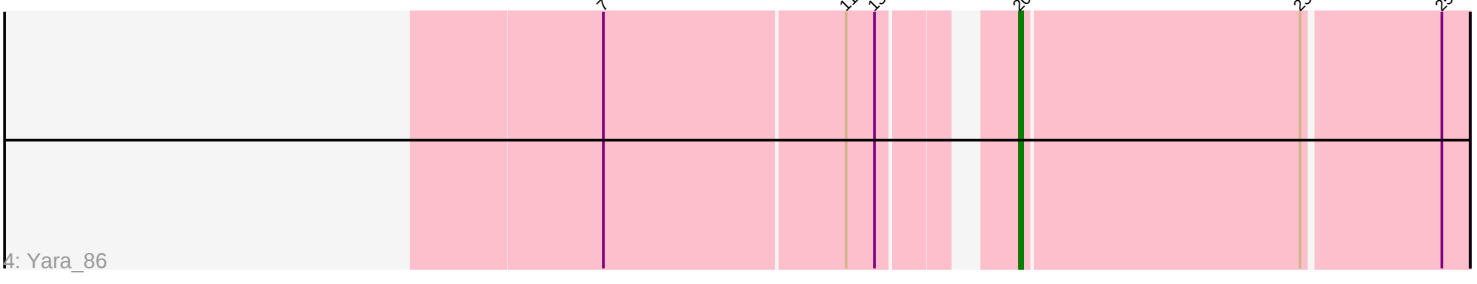
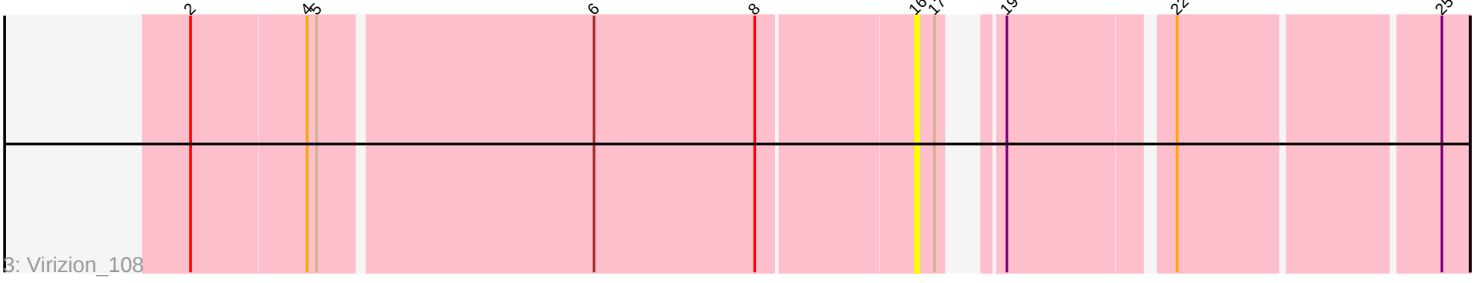
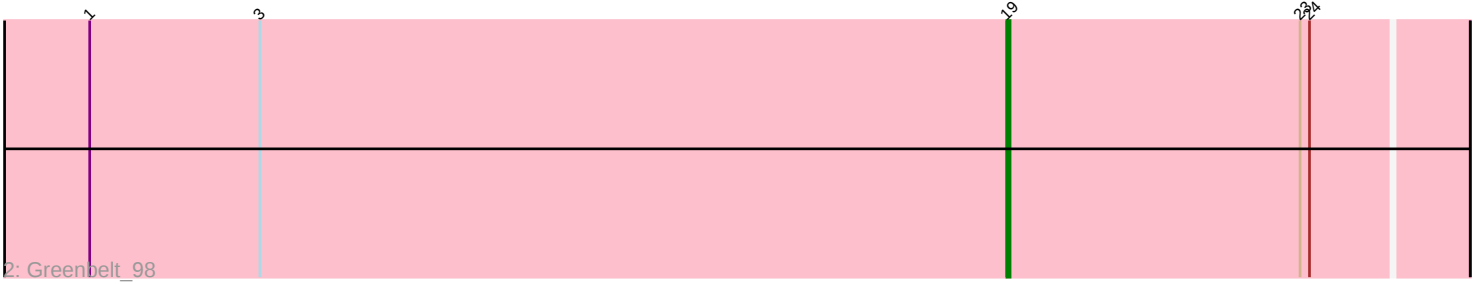
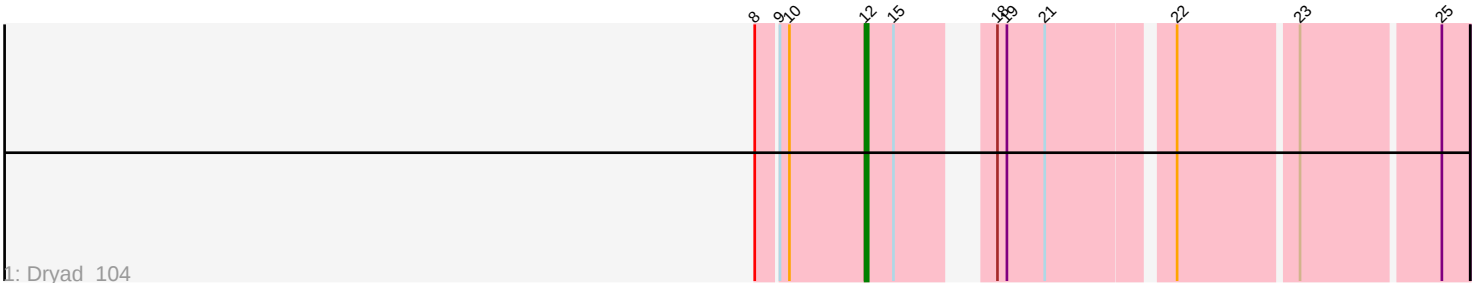


Pham 326041



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 326041 Report

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

Pham number 326041 has 5 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Dryad_104
- Track 2 : Greenbelt_98
- Track 3 : Virizion_108
- Track 4 : Yara_86
- Track 5 : Wentworth_88

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

Genes that call this "Most Annotated" start:

- Dryad_104,

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

-

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

- Greenbelt_98, Virizion_108, Wentworth_88, Yara_86,

Summary by start number:

Start 12:

- 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: Dryad_104 (BN),

Start 14:

- 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: Wentworth_88 (BN),

Start 16:

- 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: Virizion_108 (BN),

Start 19:

- Found in 4 of 5 (80.0%) 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: Greenbelt_98 (BN),

Start 20:

- 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: Yara_86 (BN),

Summary by clusters:

There is one cluster represented in this pham: BN

Info for manual annotations of cluster BN:

- Start number 12 was manually annotated 1 time for cluster BN.
- Start number 14 was manually annotated 1 time for cluster BN.
- Start number 19 was manually annotated 1 time for cluster BN.
- Start number 20 was manually annotated 1 time for cluster BN.

Gene Information:

Gene: Dryad_104 Start: 64484, Stop: 64651, Start Num: 12

Candidate Starts for Dryad_104:

(8, 64451), (9, 64457), (10, 64460), (Start: 12 @64484 has 1 MA's), (15, 64493), (18, 64514), (Start: 19 @64517 has 1 MA's), (21, 64529), (22, 64565), (23, 64601), (25, 64643),

Gene: Greenbelt_98 Start: 60236, Stop: 60093, Start Num: 19

Candidate Starts for Greenbelt_98:

(1, 60527), (3, 60473), (Start: 19 @60236 has 1 MA's), (23, 60143), (24, 60140),

Gene: Virizion_108 Start: 64864, Stop: 65013, Start Num: 16

Candidate Starts for Virizion_108:

(2, 64642), (4, 64678), (5, 64681), (6, 64765), (8, 64816), (16, 64864), (17, 64870), (Start: 19 @64879 has 1 MA's), (22, 64927), (25, 65005),

Gene: Wentworth_88 Start: 57641, Stop: 57477, Start Num: 14

Candidate Starts for Wentworth_88:

(Start: 14 @57641 has 1 MA's), (Start: 19 @57614 has 1 MA's), (22, 57566), (23, 57527),

Gene: Yara_86 Start: 57432, Stop: 57295, Start Num: 20

Candidate Starts for Yara_86:

(7, 57549), (11, 57474), (13, 57465), (Start: 20 @57432 has 1 MA's), (23, 57345), (25, 57303),

