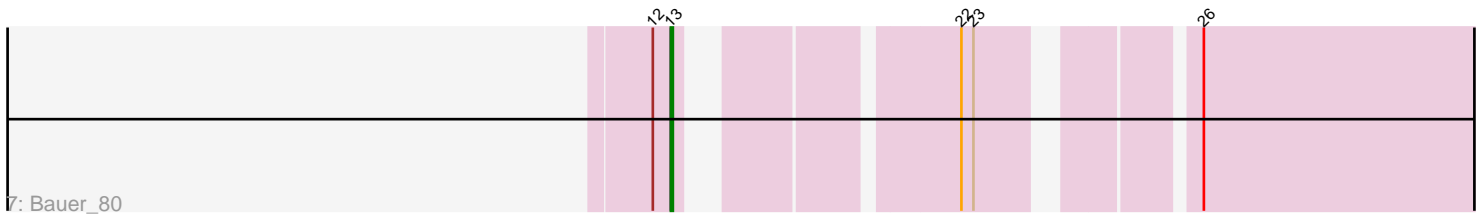
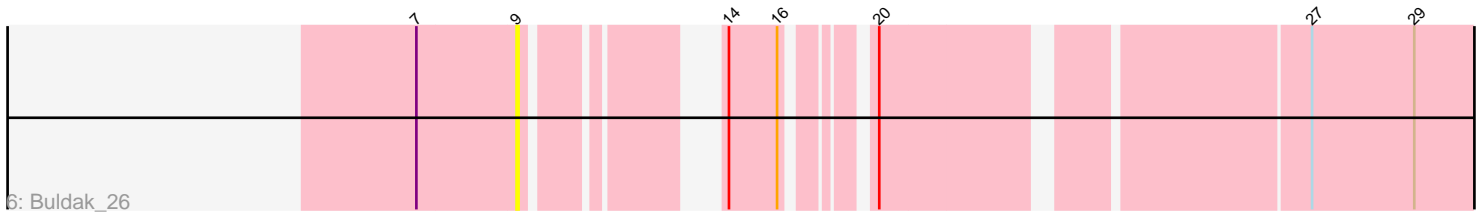
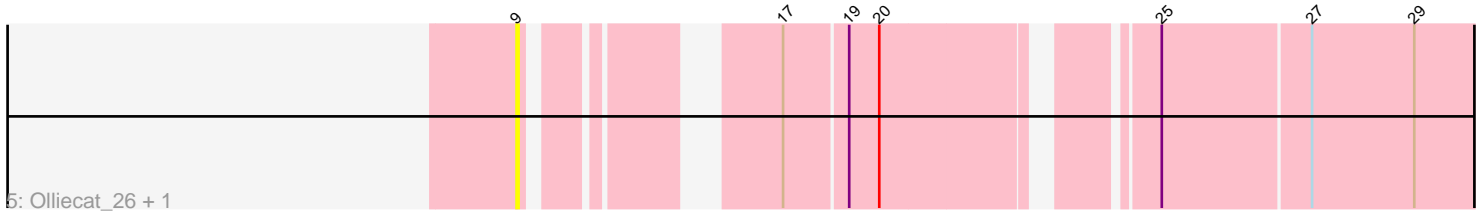
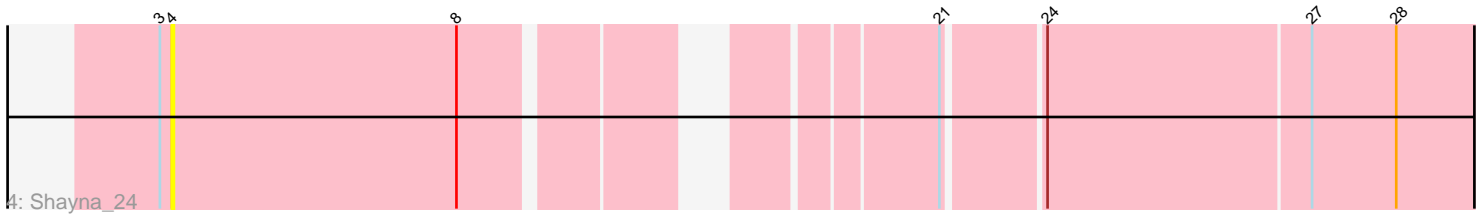
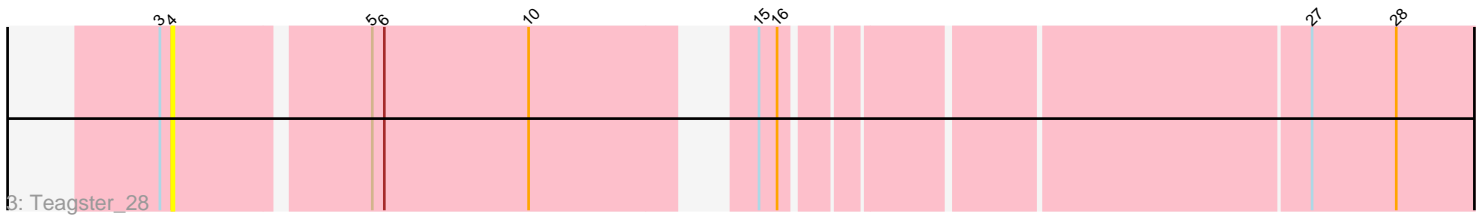
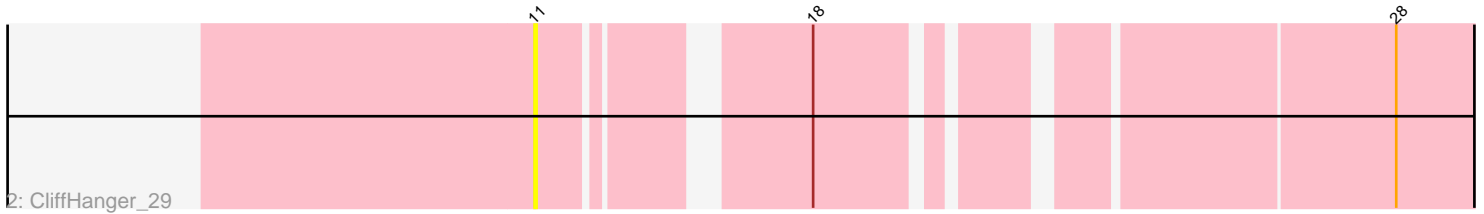
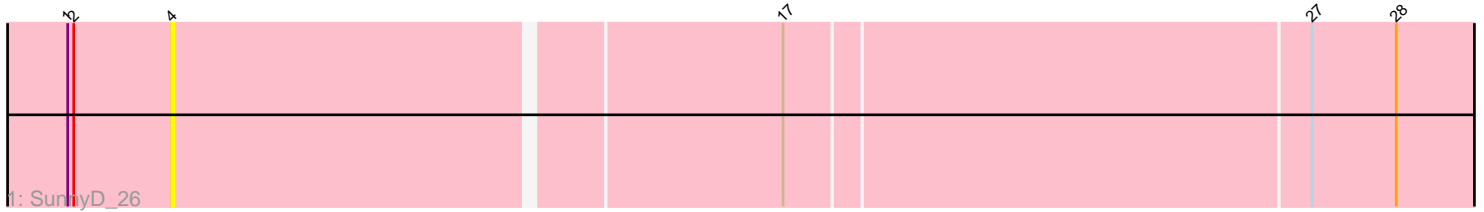


Pham 191712



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 191712 Report

This analysis was run 11/02/24 on database version 579.

Pham number 191712 has 8 members, 7 are drafts.

Phages represented in each track:

- Track 1 : SunnyD_26
- Track 2 : CliffHanger_29
- Track 3 : Teagster_28
- Track 4 : Shayna_24
- Track 5 : Olliecat_26, Squiracle_26
- Track 6 : Buldak_26
- Track 7 : Bauer_80

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

Genes that call this "Most Annotated" start:

- Bauer_80,

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

-

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

- Buldak_26, CliffHanger_29, Olliecat_26, Shayna_24, Squiracle_26, SunnyD_26, Teagster_28,

Summary by start number:

Start 4:

- Found in 3 of 8 (37.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Shayna_24 (EB), SunnyD_26 (EB), Teagster_28 (EB),

Start 9:

- Found in 3 of 8 (37.5%) of genes in pham

- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Buldak_26 (EB), Olliecat_26 (EB), Squircle_26 (EB),

Start 11:

- Found in 1 of 8 (12.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CliffHanger_29 (EB),

Start 13:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 1
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bauer_80 (FN),

Summary by clusters:

There are 2 clusters represented in this pham: FN, EB,

Info for manual annotations of cluster FN:

- Start number 13 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: Bauer_80 Start: 44429, Stop: 44842, Start Num: 13

Candidate Starts for Bauer_80:

(12, 44420), (Start: 13 @44429 has 1 MA's), (22, 44540), (23, 44546), (26, 44633),

Gene: Buldak_26 Start: 19746, Stop: 20216, Start Num: 9

Candidate Starts for Buldak_26:

(7, 19698), (9, 19746), (14, 19815), (16, 19839), (20, 19869), (27, 20061), (29, 20112),

Gene: CliffHanger_29 Start: 19625, Stop: 20101, Start Num: 11

Candidate Starts for CliffHanger_29:

(11, 19625), (18, 19736), (28, 19988),

Gene: Olliecat_26 Start: 19714, Stop: 20199, Start Num: 9

Candidate Starts for Olliecat_26:

(9, 19714), (17, 19807), (19, 19837), (20, 19852), (25, 19966), (27, 20038), (29, 20089),

Gene: Shayna_24 Start: 19653, Stop: 20309, Start Num: 4

Candidate Starts for Shayna_24:

(3, 19647), (4, 19653), (8, 19794), (21, 19983), (24, 20028), (27, 20157), (28, 20199),

Gene: Squircle_26 Start: 19713, Stop: 20198, Start Num: 9

Candidate Starts for Squircle_26:

(9, 19713), (17, 19806), (19, 19836), (20, 19851), (25, 19965), (27, 20037), (29, 20088),

Gene: SunnyD_26 Start: 19653, Stop: 20351, Start Num: 4

Candidate Starts for SunnyD_26:

(1, 19602), (2, 19605), (4, 19653), (17, 19944), (27, 20199), (28, 20241),

Gene: Teagster_28 Start: 20611, Stop: 21270, Start Num: 4

Candidate Starts for Teagster_28:

(3, 20605), (4, 20611), (5, 20701), (6, 20707), (10, 20779), (15, 20866), (16, 20875), (27, 21118), (28, 21160),