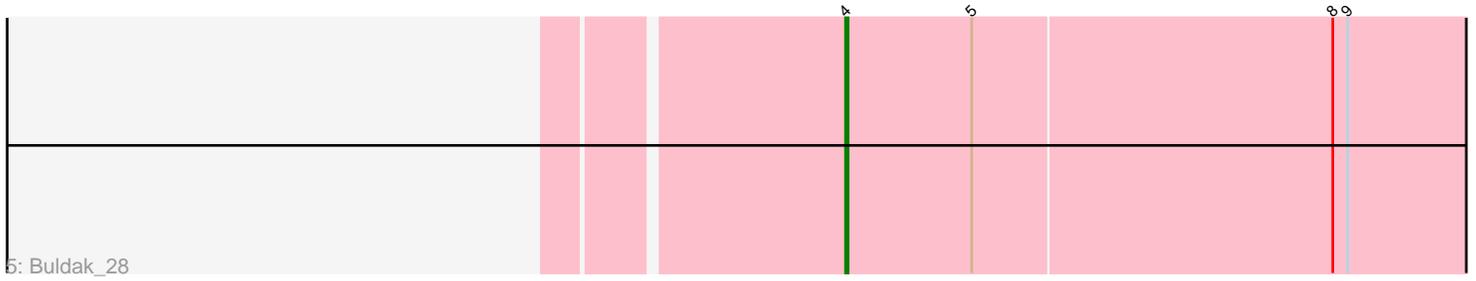
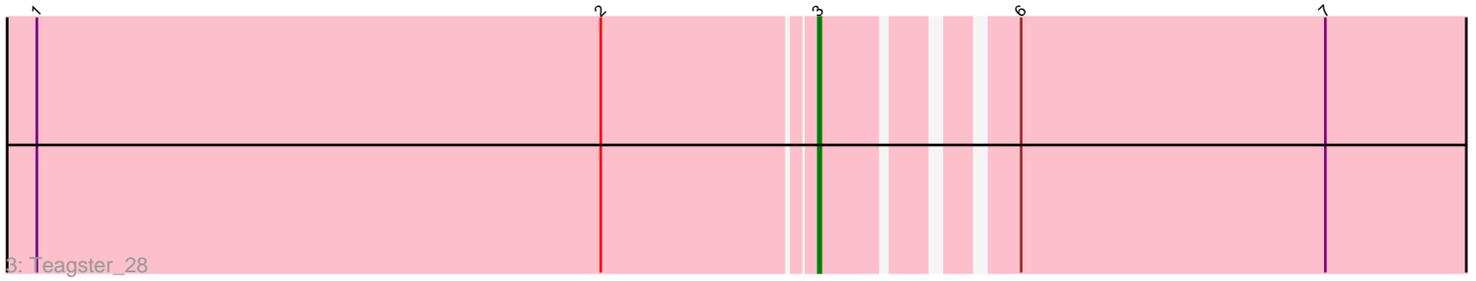
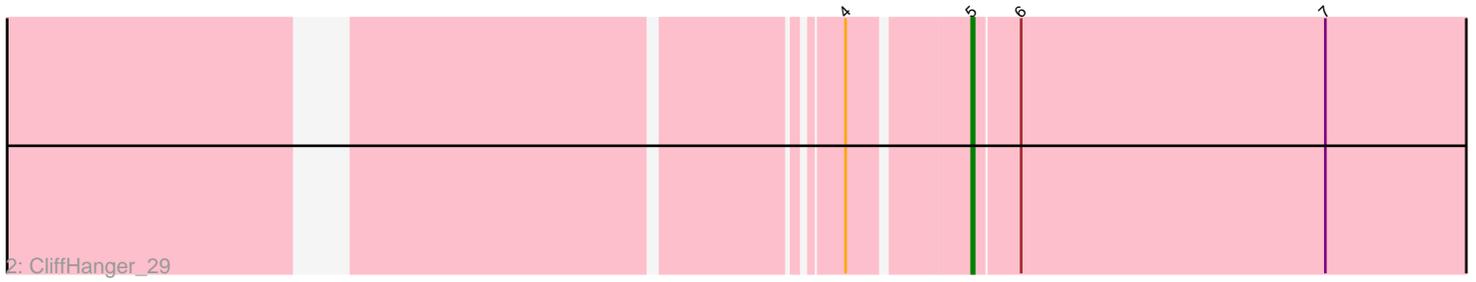
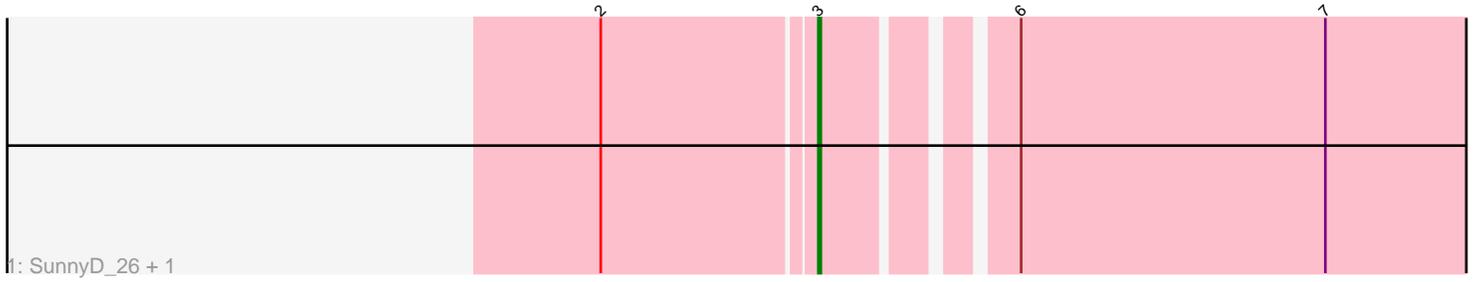


Pham 290072



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 290072 Report

This analysis was run 03/28/26 on database version 641.

Pham number 290072 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : SunnyD_26, Shayna_26
- Track 2 : CliffHanger_29
- Track 3 : Teagster_28
- Track 4 : Olliecat_28, Squiracle_28
- Track 5 : Buldak_28

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

The start number called the most often in the published annotations is 3, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Shayna_26, SunnyD_26, Teagster_28,

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

-

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

- Buldak_28, CliffHanger_29, Olliecat_28, Squiracle_28,

Summary by start number:

Start 3:

- Found in 3 of 7 (42.9%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Shayna_26 (EB), SunnyD_26 (EB), Teagster_28 (EB),

Start 4:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 75.0% of time when present

- Phage (with cluster) where this start called: Buldak_28 (EB), Olliecat_28 (EB), Squiracle_28 (EB),

Start 5:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 25.0% of time when present
- Phage (with cluster) where this start called: CliffHanger_29 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:

- Start number 3 was manually annotated 3 times for cluster EB.
- Start number 4 was manually annotated 3 times for cluster EB.
- Start number 5 was manually annotated 1 time for cluster EB.

Gene Information:

Gene: Buldak_28 Start: 20601, Stop: 20870, Start Num: 4

Candidate Starts for Buldak_28:

(Start: 4 @20601 has 3 MA's), (Start: 5 @20652 has 1 MA's), (8, 20796), (9, 20802),

Gene: CliffHanger_29 Start: 20337, Stop: 20555, Start Num: 5

Candidate Starts for CliffHanger_29:

(Start: 4 @20292 has 3 MA's), (Start: 5 @20337 has 1 MA's), (6, 20355), (7, 20478),

Gene: Olliecat_28 Start: 20581, Stop: 20850, Start Num: 4

Candidate Starts for Olliecat_28:

(Start: 4 @20581 has 3 MA's), (Start: 5 @20632 has 1 MA's), (8, 20776), (9, 20782), (10, 20800),

Gene: Shayna_26 Start: 20524, Stop: 20787, Start Num: 3

Candidate Starts for Shayna_26:

(2, 20443), (Start: 3 @20524 has 3 MA's), (6, 20587), (7, 20710),

Gene: Squiracle_28 Start: 20580, Stop: 20849, Start Num: 4

Candidate Starts for Squiracle_28:

(Start: 4 @20580 has 3 MA's), (Start: 5 @20631 has 1 MA's), (8, 20775), (9, 20781), (10, 20799),

Gene: SunnyD_26 Start: 20566, Stop: 20829, Start Num: 3

Candidate Starts for SunnyD_26:

(2, 20485), (Start: 3 @20566 has 3 MA's), (6, 20629), (7, 20752),

Gene: Teagster_28 Start: 21485, Stop: 21748, Start Num: 3

Candidate Starts for Teagster_28:

(1, 21176), (2, 21404), (Start: 3 @21485 has 3 MA's), (6, 21548), (7, 21671),