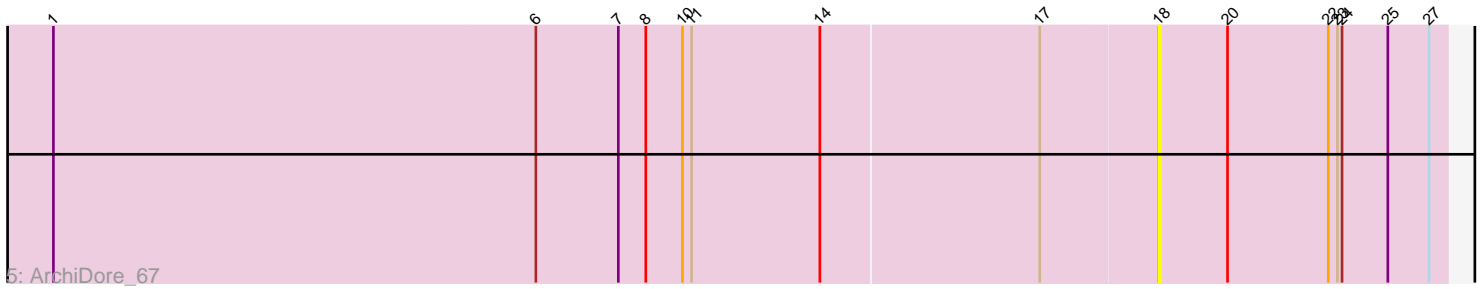
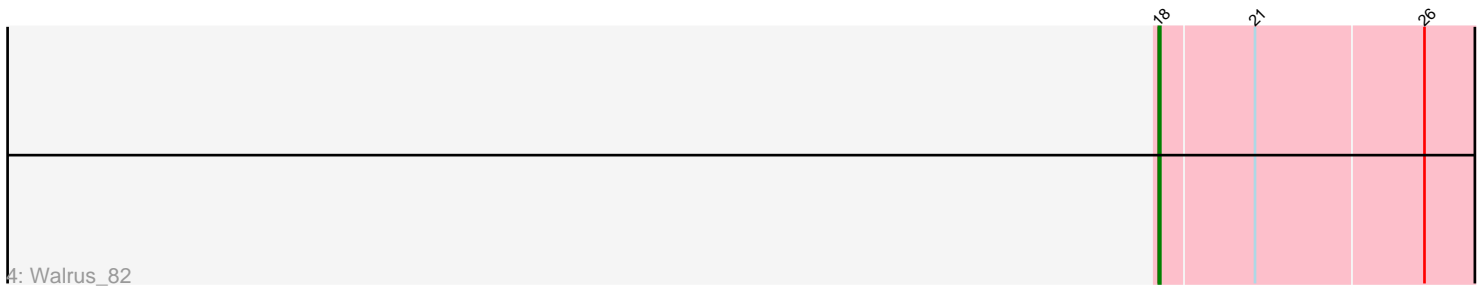
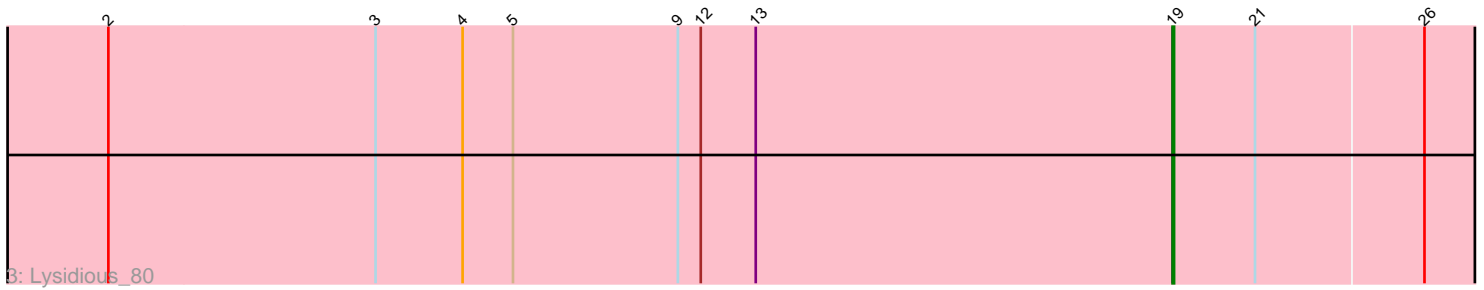
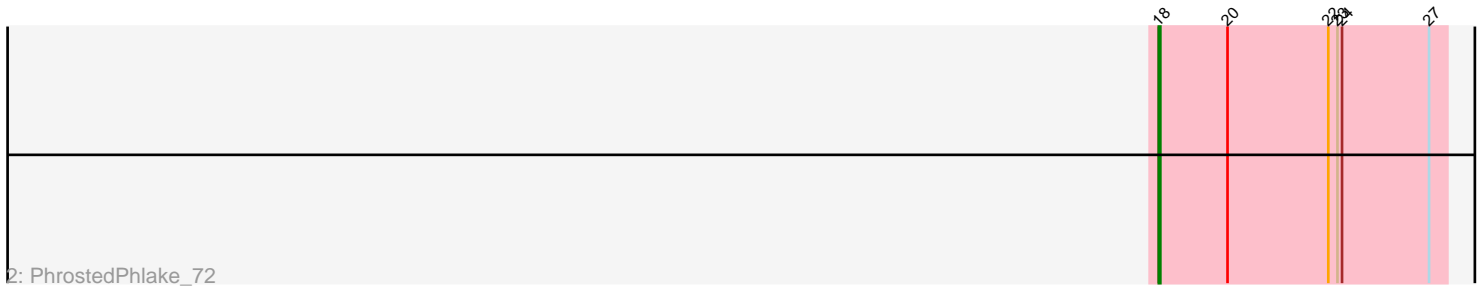
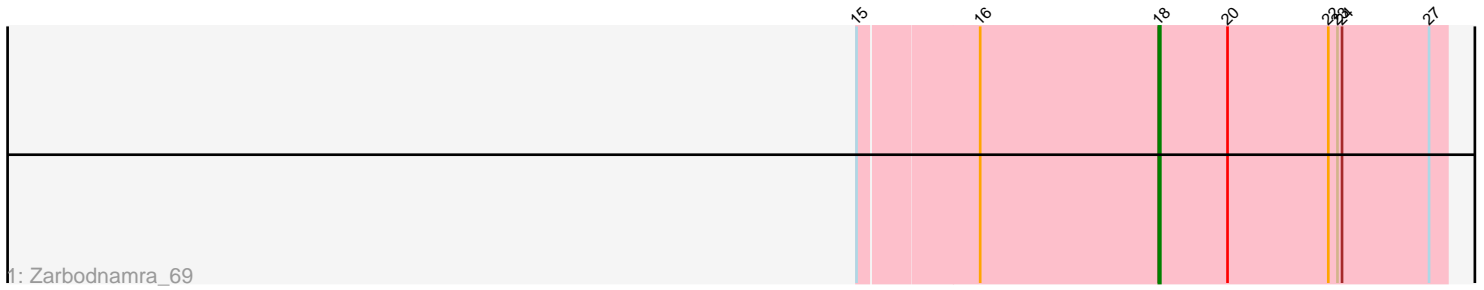


Pham 220548



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 220548 Report

This analysis was run 03/28/25 on database version 593.

Pham number 220548 has 5 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Zarbodnamra_69
- Track 2 : PhrostedPhlake_72
- Track 3 : Lysidious_80
- Track 4 : Walrus_82
- Track 5 : ArchiDore_67

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

The start number called the most often in the published annotations is 18, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ArchiDore_67, PhrostedPhlake_72, Walrus_82, Zarbodnamra_69,

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

-

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

- Lysidious_80,

Summary by start number:

Start 18:

- Found in 4 of 5 (80.0%) of genes in pham
- Manual Annotations of this start: 3 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ArchiDore_67 (DW), PhrostedPhlake_72 (CV), Walrus_82 (CV), Zarbodnamra_69 (CV),

Start 19:

- 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: Lysidious_80 (CV),

Summary by clusters:

There are 2 clusters represented in this pham: DW, CV,

Info for manual annotations of cluster CV:

- Start number 18 was manually annotated 3 times for cluster CV.
- Start number 19 was manually annotated 1 time for cluster CV.

Gene Information:

Gene: ArchiDore_67 Start: 47409, Stop: 47597, Start Num: 18

Candidate Starts for ArchiDore_67:

(1, 46692), (6, 47007), (7, 47061), (8, 47079), (10, 47103), (11, 47109), (14, 47193), (17, 47334), (Start: 18 @47409 has 3 MA's), (20, 47454), (22, 47520), (23, 47526), (24, 47529), (25, 47559), (27, 47586),

Gene: Lysidious_80 Start: 49101, Stop: 49298, Start Num: 19

Candidate Starts for Lysidious_80:

(2, 48405), (3, 48579), (4, 48636), (5, 48669), (9, 48777), (12, 48792), (13, 48828), (Start: 19 @49101 has 1 MA's), (21, 49155), (26, 49263),

Gene: PhrostedPhlake_72 Start: 44050, Stop: 44238, Start Num: 18

Candidate Starts for PhrostedPhlake_72:

(Start: 18 @44050 has 3 MA's), (20, 44095), (22, 44161), (23, 44167), (24, 44170), (27, 44227),

Gene: Walrus_82 Start: 50946, Stop: 51149, Start Num: 18

Candidate Starts for Walrus_82:

(Start: 18 @50946 has 3 MA's), (21, 51006), (26, 51114),

Gene: Zarbodnamra_69 Start: 42743, Stop: 42931, Start Num: 18

Candidate Starts for Zarbodnamra_69:

(15, 42551), (16, 42626), (Start: 18 @42743 has 3 MA's), (20, 42788), (22, 42854), (23, 42860), (24, 42863), (27, 42920),