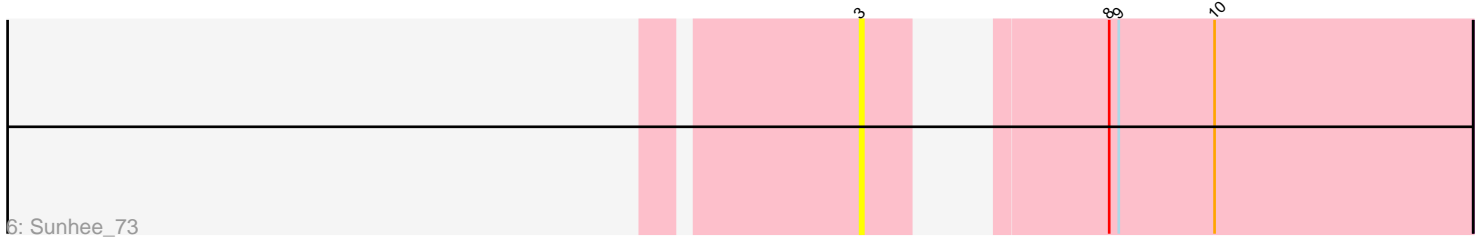
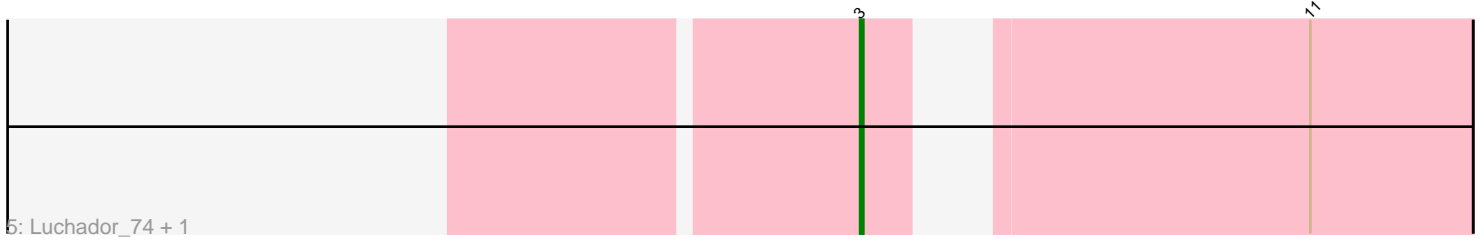
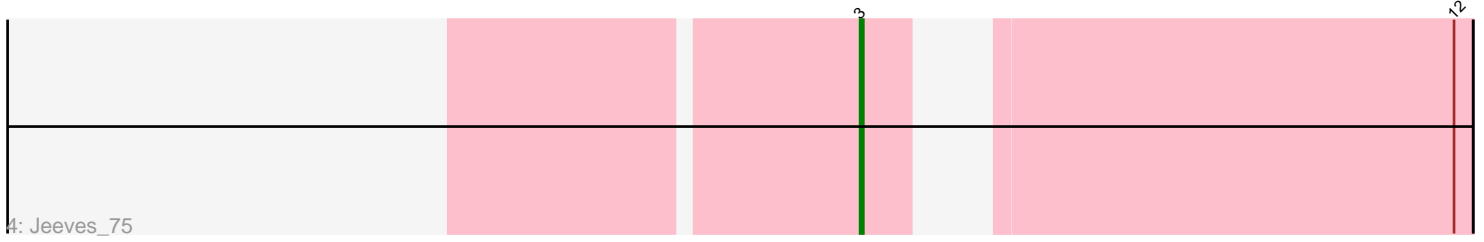
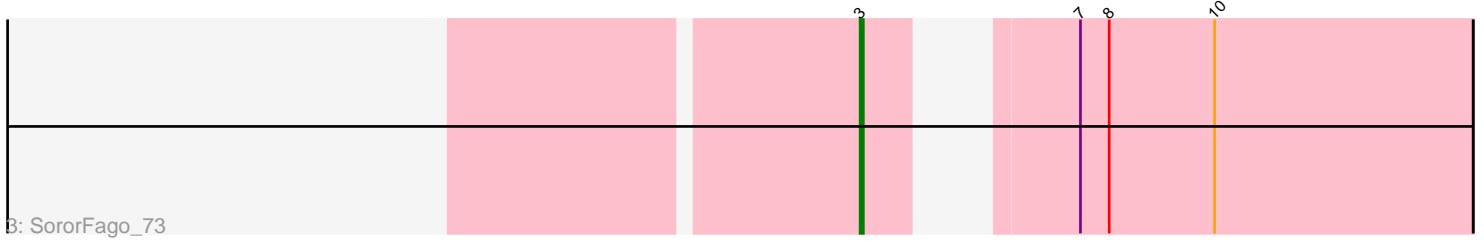
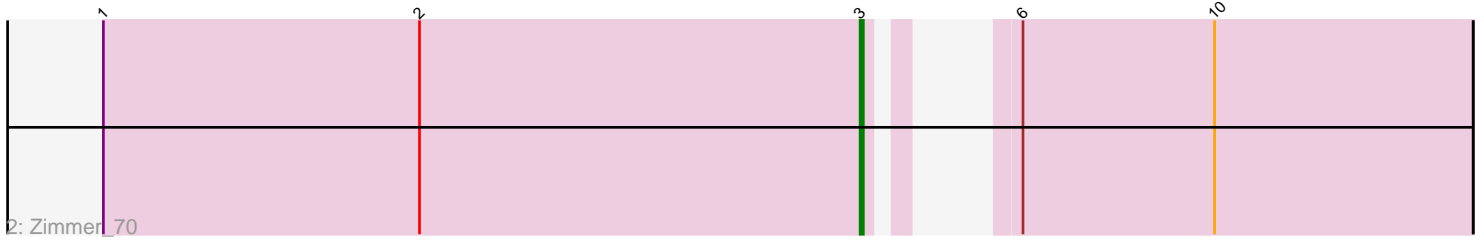
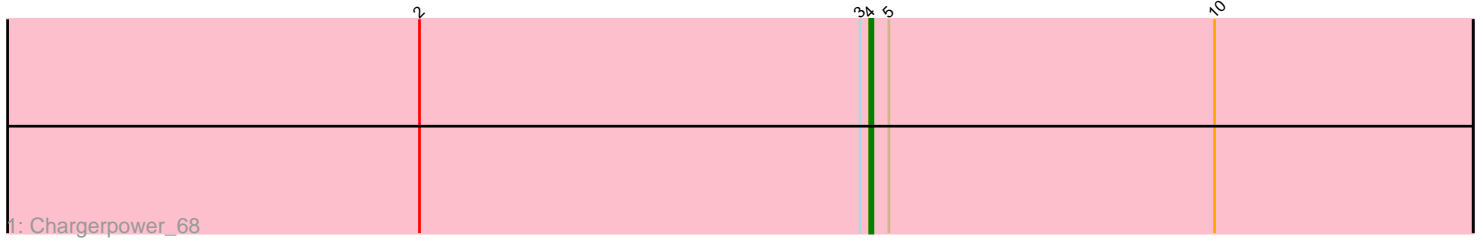


Pham 216898



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 216898 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216898 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Chargerpower_68
- Track 2 : Zimmer_70
- Track 3 : SororFago_73
- Track 4 : Jeeves_75
- Track 5 : Luchador_74, Gail_73
- Track 6 : Sunhee_73

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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Gail_73, Jeeves_75, Luchador_74, SororFago_73, Sunhee_73, Zimmer_70,

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

- Chargerpower_68,

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

-

Summary by start number:

Start 3:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Gail_73 (A14), Jeeves_75 (A14), Luchador_74 (A14), SororFago_73 (A14), Sunhee_73 (A14), Zimmer_70 (A12),

Start 4:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Chargerpower_68 (A),

Summary by clusters:

There are 3 clusters represented in this pham: A, A14, A12,

Info for manual annotations of cluster A:

- Start number 4 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A12:

- Start number 3 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A14:

- Start number 3 was manually annotated 4 times for cluster A14.

Gene Information:

Gene: Chargerpower_68 Start: 40890, Stop: 40702, Start Num: 4

Candidate Starts for Chargerpower_68:

(2, 41031), (Start: 3 @40893 has 5 MA's), (Start: 4 @40890 has 1 MA's), (5, 40884), (10, 40782),

Gene: Gail_73 Start: 43622, Stop: 43458, Start Num: 3

Candidate Starts for Gail_73:

(Start: 3 @43622 has 5 MA's), (11, 43508),

Gene: Jeeves_75 Start: 42607, Stop: 42443, Start Num: 3

Candidate Starts for Jeeves_75:

(Start: 3 @42607 has 5 MA's), (12, 42448),

Gene: Luchador_74 Start: 44089, Stop: 43925, Start Num: 3

Candidate Starts for Luchador_74:

(Start: 3 @44089 has 5 MA's), (11, 43975),

Gene: SororFago_73 Start: 43809, Stop: 43645, Start Num: 3

Candidate Starts for SororFago_73:

(Start: 3 @43809 has 5 MA's), (7, 43767), (8, 43758), (10, 43725),

Gene: Sunhee_73 Start: 41861, Stop: 41697, Start Num: 3

Candidate Starts for Sunhee_73:

(Start: 3 @41861 has 5 MA's), (8, 41810), (9, 41807), (10, 41777),

Gene: Zimmer_70 Start: 43710, Stop: 43552, Start Num: 3

Candidate Starts for Zimmer_70:

(1, 43947), (2, 43848), (Start: 3 @43710 has 5 MA's), (6, 43692), (10, 43632),