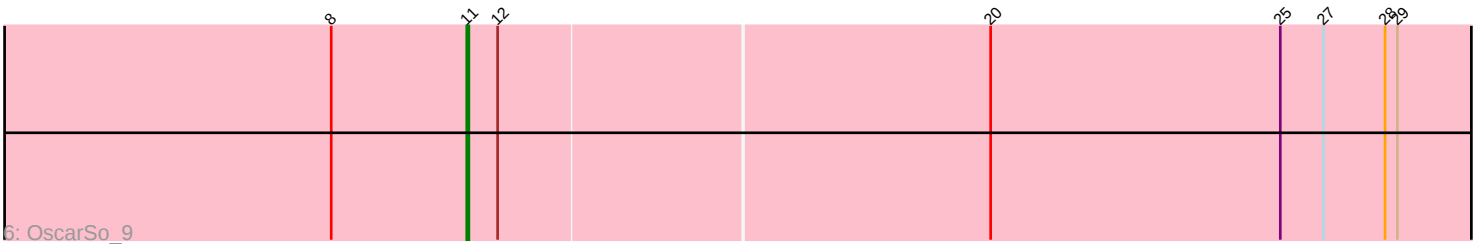
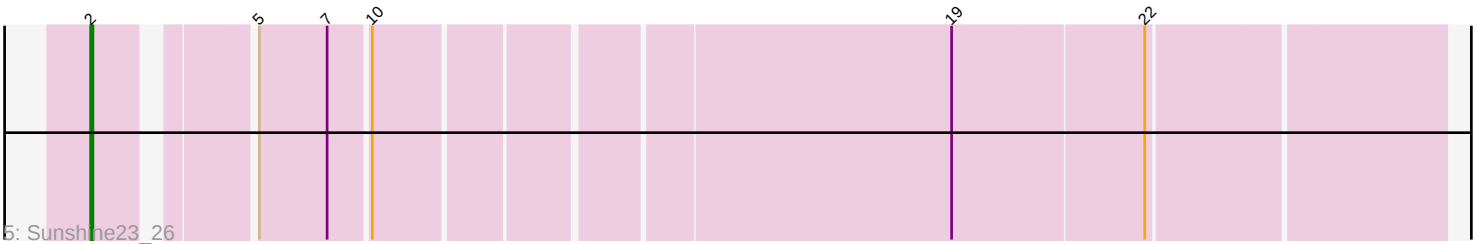
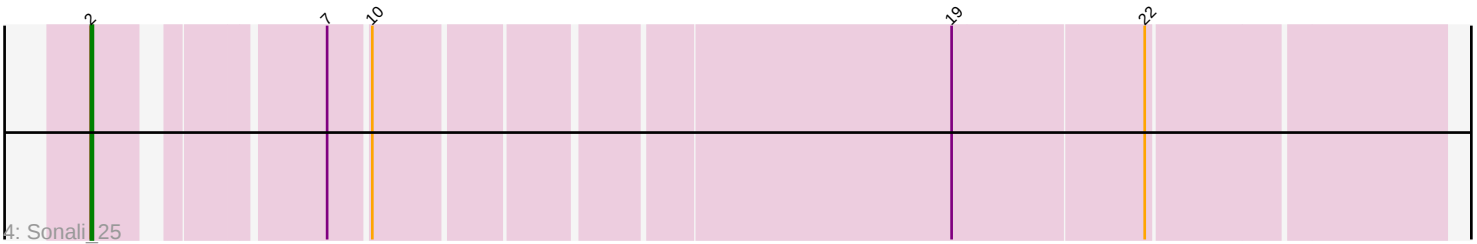
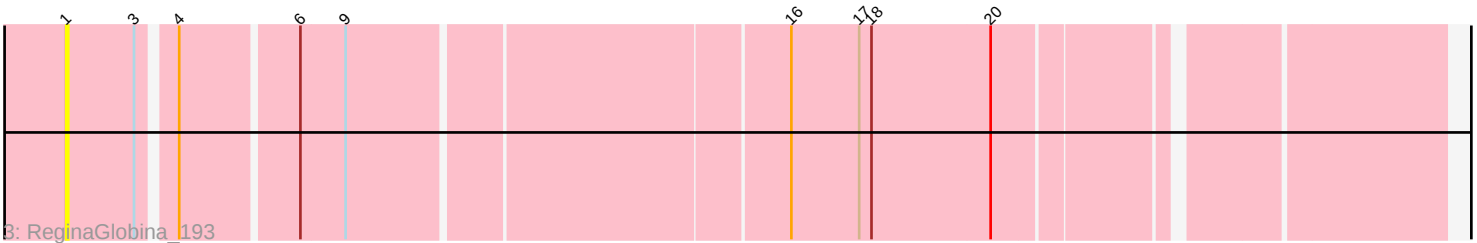
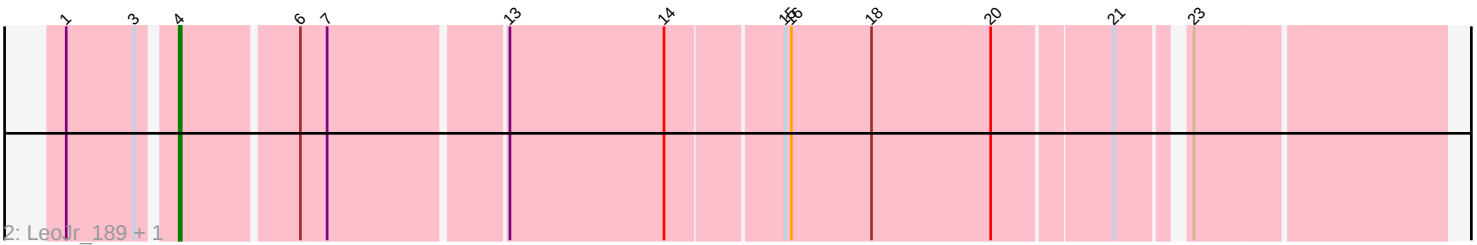
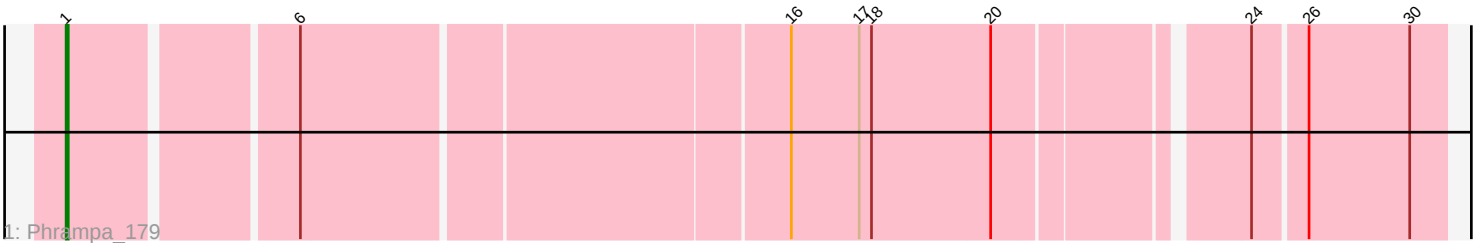


Pham 310050



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 310050 Report

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

Pham number 310050 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Phrampa_179
- Track 2 : LeoJr_189, Atuin_180
- Track 3 : ReginaGlobina_193
- Track 4 : Sonali_25
- Track 5 : Sunshine23_26
- Track 6 : OscarSo_9

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

The start number called the most often in the published annotations is 2, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Sonali_25, Sunshine23_26,

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

-

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

- Atuin_180, LeoJr_189, OscarSo_9, Phrampa_179, ReginaGlobina_193,

Summary by start number:

Start 1:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Phrampa_179 (FC), ReginaGlobina_193 (FC),

Start 2:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Sonali_25 (FG), Sunshine23_26 (FG),

Start 4:

- Found in 3 of 7 (42.9%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Atuin_180 (FC), LeoJr_189 (FC),

Start 11:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: OscarSo_9 (GJ),

Summary by clusters:

There are 3 clusters represented in this pham: FC, GJ, FG,

Info for manual annotations of cluster FC:

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

Info for manual annotations of cluster FG:

- Start number 2 was manually annotated 2 times for cluster FG.

Info for manual annotations of cluster GJ:

- Start number 11 was manually annotated 1 time for cluster GJ.

Gene Information:

Gene: Atuin_180 Start: 125138, Stop: 125710, Start Num: 4

Candidate Starts for Atuin_180:

(Start: 1 @125090 has 1 MA's), (3, 125123), (Start: 4 @125138 has 1 MA's), (6, 125192), (7, 125204), (13, 125285), (14, 125360), (15, 125414), (16, 125417), (18, 125456), (20, 125513), (21, 125567), (23, 125594),

Gene: LeoJr_189 Start: 125692, Stop: 126264, Start Num: 4

Candidate Starts for LeoJr_189:

(Start: 1 @125644 has 1 MA's), (3, 125677), (Start: 4 @125692 has 1 MA's), (6, 125746), (7, 125758), (13, 125839), (14, 125914), (15, 125968), (16, 125971), (18, 126010), (20, 126067), (21, 126121), (23, 126148),

Gene: OscarSo_9 Start: 4451, Stop: 4966, Start Num: 11

Candidate Starts for OscarSo_9:

(8, 4385), (Start: 11 @4451 has 1 MA's), (12, 4466), (20, 4700), (25, 4841), (27, 4862), (28, 4892), (29, 4898),

Gene: Phrampa_179 Start: 126734, Stop: 127354, Start Num: 1

Candidate Starts for Phrampa_179:

(Start: 1 @126734 has 1 MA's), (6, 126836), (16, 127061), (17, 127094), (18, 127100), (20, 127157), (24, 127265), (26, 127289), (30, 127337),

Gene: ReginaGlobina_193 Start: 126926, Stop: 127546, Start Num: 1

Candidate Starts for ReginaGlobina_193:

(Start: 1 @126926 has 1 MA's), (3, 126959), (Start: 4 @126974 has 1 MA's), (6, 127028), (9, 127049), (16, 127253), (17, 127286), (18, 127292), (20, 127349),

Gene: Sonali_25 Start: 24493, Stop: 25095, Start Num: 2

Candidate Starts for Sonali_25:

(Start: 2 @24493 has 2 MA's), (7, 24586), (10, 24604), (19, 24868), (22, 24958),

Gene: Sunshine23_26 Start: 24510, Stop: 25112, Start Num: 2

Candidate Starts for Sunshine23_26:

(Start: 2 @24510 has 2 MA's), (5, 24570), (7, 24603), (10, 24621), (19, 24885), (22, 24975),