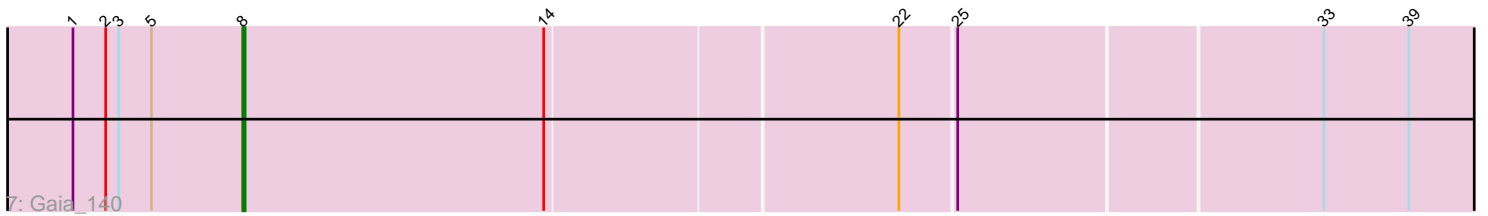
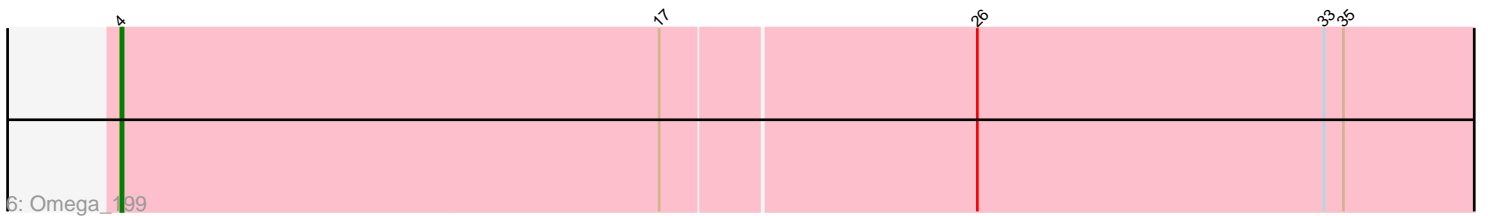
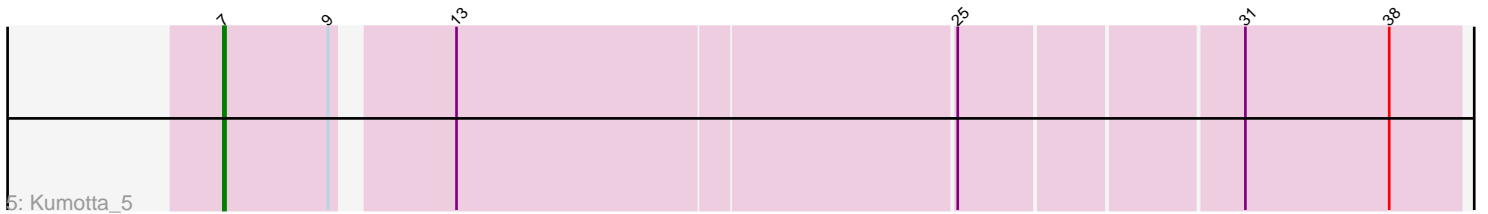
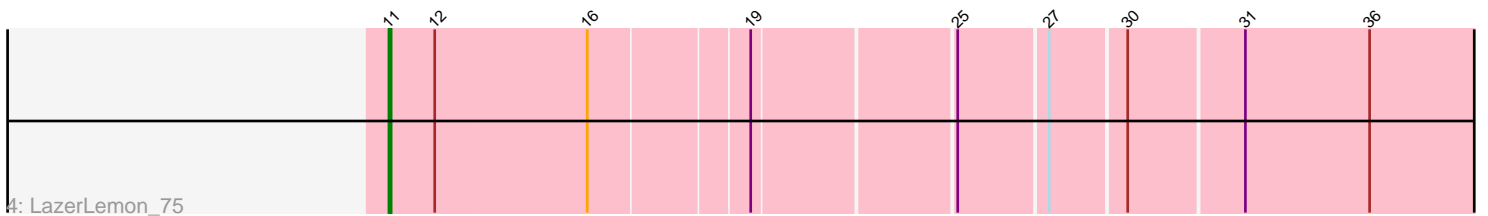
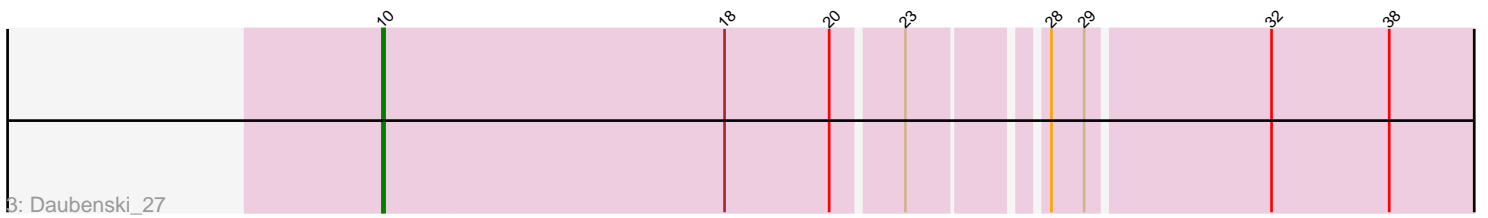
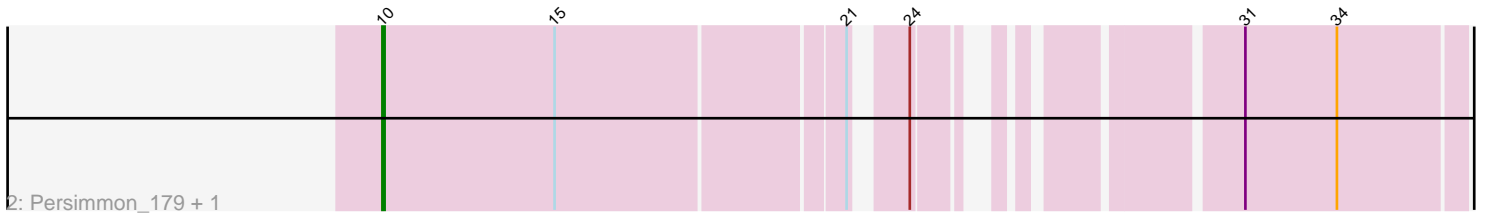
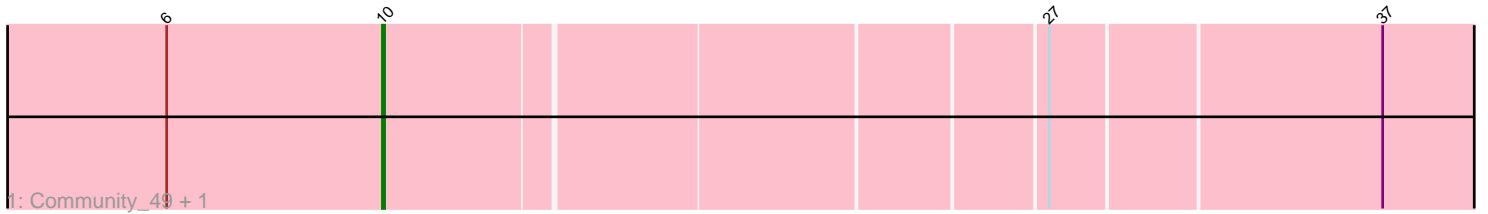


Pham 194561



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 194561 Report

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

Pham number 194561 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Community_49, Nitro_45
- Track 2 : Persimmon_179, WhereRU_178
- Track 3 : Daubenski_27
- Track 4 : LazerLemon_75
- Track 5 : Kumotta_5
- Track 6 : Omega_199
- Track 7 : Gaia_140

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

The start number called the most often in the published annotations is 10, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Community_49, Daubenski_27, Nitro_45, Persimmon_179, WhereRU_178,

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

-

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

- Gaia_140, Kumotta_5, LazerLemon_75, Omega_199,

Summary by start number:

Start 4:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Omega_199 (J),

Start 7:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Kumotta_5 (FB),

Start 8:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gaia_140 (X),

Start 10:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 4 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Community_49 (AZ1), Daubenski_27 (BE1), Nitro_45 (AZ1), Persimmon_179 (BE1), WhereRU_178 (BE1),

Start 11:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LazerLemon_75 (BH),

Summary by clusters:

There are 6 clusters represented in this pham: J, BH, FB, X, AZ1, BE1,

Info for manual annotations of cluster AZ1:

- Start number 10 was manually annotated 1 time for cluster AZ1.

Info for manual annotations of cluster BE1:

- Start number 10 was manually annotated 3 times for cluster BE1.

Info for manual annotations of cluster BH:

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

Info for manual annotations of cluster FB:

- Start number 7 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster J:

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

Info for manual annotations of cluster X:

- Start number 8 was manually annotated 1 time for cluster X.

Gene Information:

Gene: Community_49 Start: 35475, Stop: 35966, Start Num: 10

Candidate Starts for Community_49:

(6, 35376), (Start: 10 @35475 has 4 MA's), (27, 35763), (37, 35910),

Gene: Daubenski_27 Start: 12504, Stop: 12022, Start Num: 10

Candidate Starts for Daubenski_27:

(Start: 10 @12504 has 4 MA's), (18, 12348), (20, 12300), (23, 12270), (28, 12216), (29, 12201), (32, 12120), (38, 12066),

Gene: Gaia_140 Start: 75742, Stop: 76296, Start Num: 8

Candidate Starts for Gaia_140:

(1, 75664), (2, 75679), (3, 75685), (5, 75700), (Start: 8 @75742 has 1 MA's), (14, 75880), (22, 76036), (25, 76060), (33, 76222), (39, 76261),

Gene: Kumotta_5 Start: 4506, Stop: 5042, Start Num: 7

Candidate Starts for Kumotta_5:

(Start: 7 @4506 has 1 MA's), (9, 4554), (13, 4599), (25, 4821), (31, 4944), (38, 5010),

Gene: LazerLemon_75 Start: 51475, Stop: 51948, Start Num: 11

Candidate Starts for LazerLemon_75:

(Start: 11 @51475 has 1 MA's), (12, 51496), (16, 51565), (19, 51634), (25, 51721), (27, 51760), (30, 51793), (31, 51844), (36, 51901),

Gene: Nitro_45 Start: 34067, Stop: 34558, Start Num: 10

Candidate Starts for Nitro_45:

(6, 33968), (Start: 10 @34067 has 4 MA's), (27, 34355), (37, 34502),

Gene: Omega_199 Start: 97671, Stop: 98360, Start Num: 4

Candidate Starts for Omega_199:

(Start: 4 @97671 has 1 MA's), (17, 97917), (26, 98058), (33, 98217), (35, 98226),

Gene: Persimmon_179 Start: 94749, Stop: 95180, Start Num: 10

Candidate Starts for Persimmon_179:

(Start: 10 @94749 has 4 MA's), (15, 94827), (21, 94953), (24, 94971), (31, 95082), (34, 95124),

Gene: WhereRU_178 Start: 95501, Stop: 95932, Start Num: 10

Candidate Starts for WhereRU_178:

(Start: 10 @95501 has 4 MA's), (15, 95579), (21, 95705), (24, 95723), (31, 95834), (34, 95876),