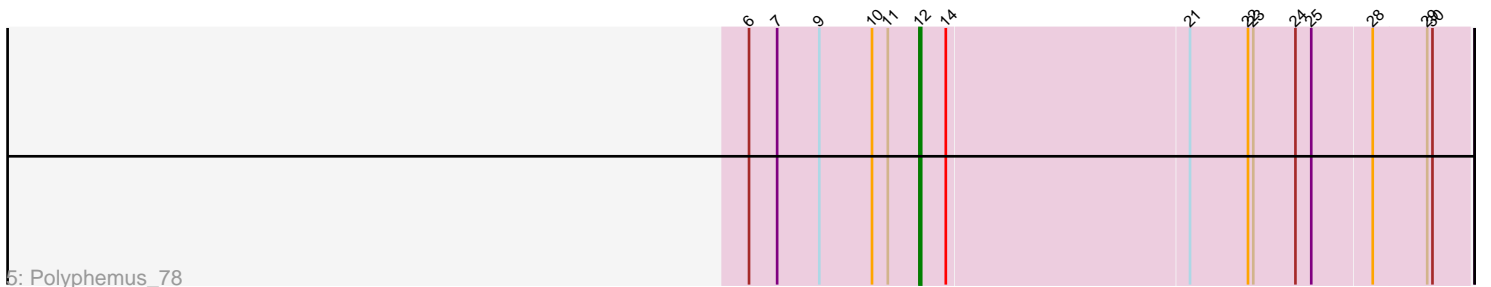
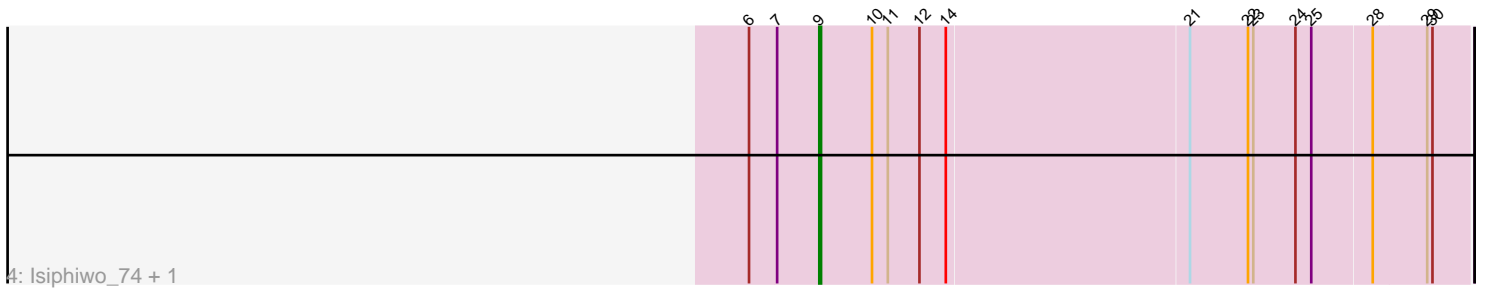
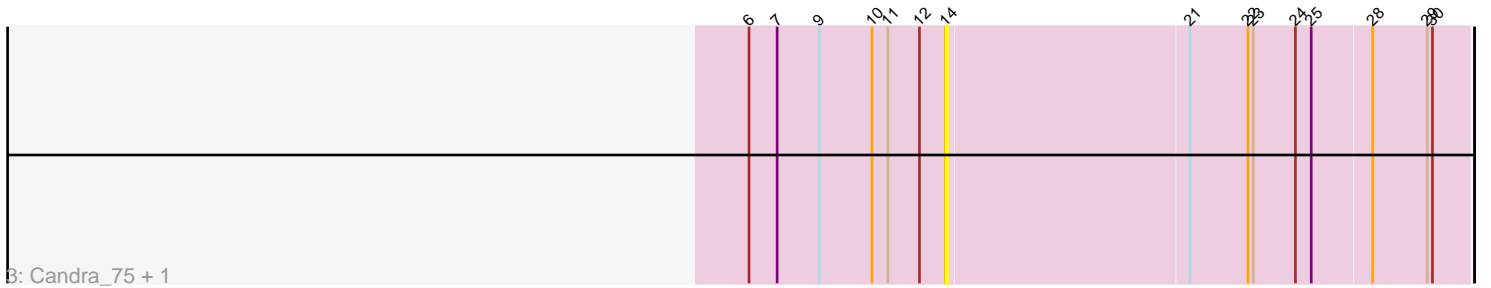
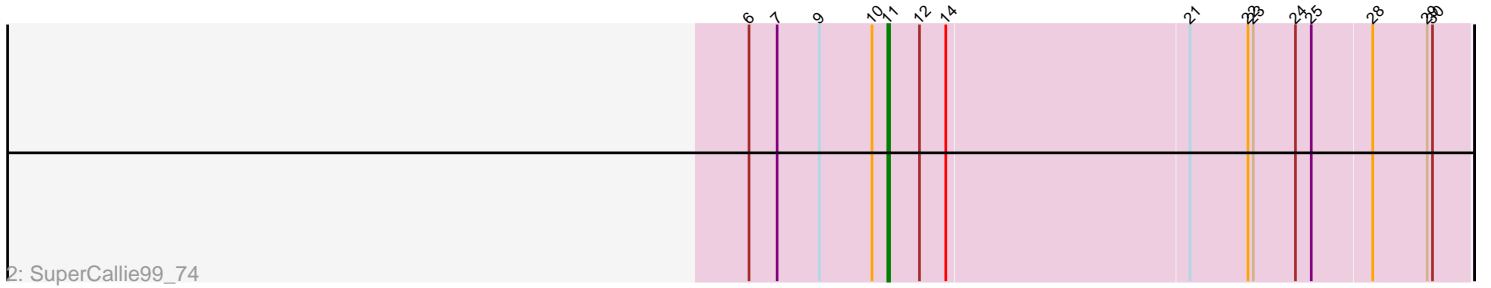
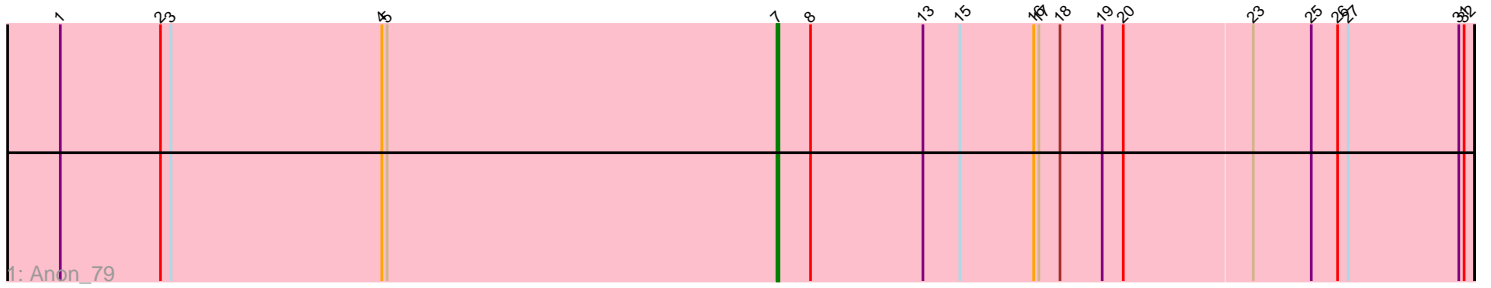


Pham 297318



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 297318 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297318 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Anon_79
- Track 2 : SuperCallie99_74
- Track 3 : Candra_75, DelvinSonDorr_73
- Track 4 : Isiphiwo_74, SmellyB_77
- Track 5 : Polyphemus_78

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

The start number called the most often in the published annotations is 9, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Isiphiwo_74, SmellyB_77,

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

- Candra_75, DelvinSonDorr_73, Polyphemus_78, SuperCallie99_74,

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

- Anon_79,

Summary by start number:

Start 7:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Anon_79 (A15),

Start 9:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Isiphiwo_74 (A6), SmellyB_77 (A6),

Start 11:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 16.7% of time when present
- Phage (with cluster) where this start called: SuperCallie99_74 (A6),

Start 12:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Polyphemus_78 (A6),

Start 14:

- Found in 6 of 7 (85.7%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Candra_75 (A6), DelvinSonDorr_73 (A6),

Summary by clusters:

There are 2 clusters represented in this pham: A15, A6,

Info for manual annotations of cluster A15:

- Start number 7 was manually annotated 1 time for cluster A15.

Info for manual annotations of cluster A6:

- Start number 9 was manually annotated 2 times for cluster A6.
- Start number 11 was manually annotated 1 time for cluster A6.
- Start number 12 was manually annotated 1 time for cluster A6.

Gene Information:

Gene: Anon_79 Start: 44695, Stop: 44303, Start Num: 7

Candidate Starts for Anon_79:

(1, 45103), (2, 45046), (3, 45040), (4, 44920), (5, 44917), (Start: 7 @44695 has 1 MA's), (8, 44677), (13, 44614), (15, 44593), (16, 44551), (17, 44548), (18, 44536), (19, 44512), (20, 44500), (23, 44428), (25, 44395), (26, 44380), (27, 44374), (31, 44311), (32, 44308),

Gene: Candra_75 Start: 43553, Stop: 43263, Start Num: 14

Candidate Starts for Candra_75:

(6, 43664), (Start: 7 @43649 has 1 MA's), (Start: 9 @43625 has 2 MA's), (10, 43595), (Start: 11 @43586 has 1 MA's), (Start: 12 @43568 has 1 MA's), (14, 43553), (21, 43418), (22, 43385), (23, 43382), (24, 43358), (25, 43349), (28, 43316), (29, 43286), (30, 43283),

Gene: DelvinSonDorr_73 Start: 43573, Stop: 43283, Start Num: 14

Candidate Starts for DelvinSonDorr_73:

(6, 43684), (Start: 7 @43669 has 1 MA's), (Start: 9 @43645 has 2 MA's), (10, 43615), (Start: 11 @43606 has 1 MA's), (Start: 12 @43588 has 1 MA's), (14, 43573), (21, 43438), (22, 43405), (23, 43402), (24, 43378), (25, 43369), (28, 43336), (29, 43306), (30, 43303),

Gene: Isiphiwo_74 Start: 43606, Stop: 43244, Start Num: 9

Candidate Starts for Isiphiwo_74:

(6, 43645), (Start: 7 @43630 has 1 MA's), (Start: 9 @43606 has 2 MA's), (10, 43576), (Start: 11 @43567 has 1 MA's), (Start: 12 @43549 has 1 MA's), (14, 43534), (21, 43399), (22, 43366), (23, 43363), (24, 43339), (25, 43330), (28, 43297), (29, 43267), (30, 43264),

Gene: Polyphemus_78 Start: 44355, Stop: 44050, Start Num: 12

Candidate Starts for Polyphemus_78:

(6, 44451), (Start: 7 @44436 has 1 MA's), (Start: 9 @44412 has 2 MA's), (10, 44382), (Start: 11 @44373 has 1 MA's), (Start: 12 @44355 has 1 MA's), (14, 44340), (21, 44205), (22, 44172), (23, 44169), (24, 44145), (25, 44136), (28, 44103), (29, 44073), (30, 44070),

Gene: SmellyB_77 Start: 43589, Stop: 43227, Start Num: 9

Candidate Starts for SmellyB_77:

(6, 43628), (Start: 7 @43613 has 1 MA's), (Start: 9 @43589 has 2 MA's), (10, 43559), (Start: 11 @43550 has 1 MA's), (Start: 12 @43532 has 1 MA's), (14, 43517), (21, 43382), (22, 43349), (23, 43346), (24, 43322), (25, 43313), (28, 43280), (29, 43250), (30, 43247),

Gene: SuperCallie99_74 Start: 44072, Stop: 43749, Start Num: 11

Candidate Starts for SuperCallie99_74:

(6, 44150), (Start: 7 @44135 has 1 MA's), (Start: 9 @44111 has 2 MA's), (10, 44081), (Start: 11 @44072 has 1 MA's), (Start: 12 @44054 has 1 MA's), (14, 44039), (21, 43904), (22, 43871), (23, 43868), (24, 43844), (25, 43835), (28, 43802), (29, 43772), (30, 43769),