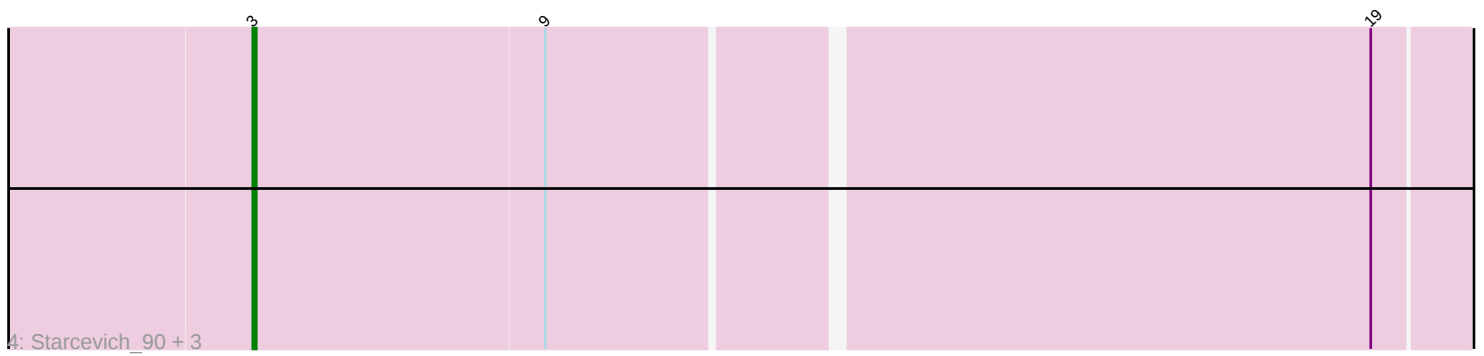
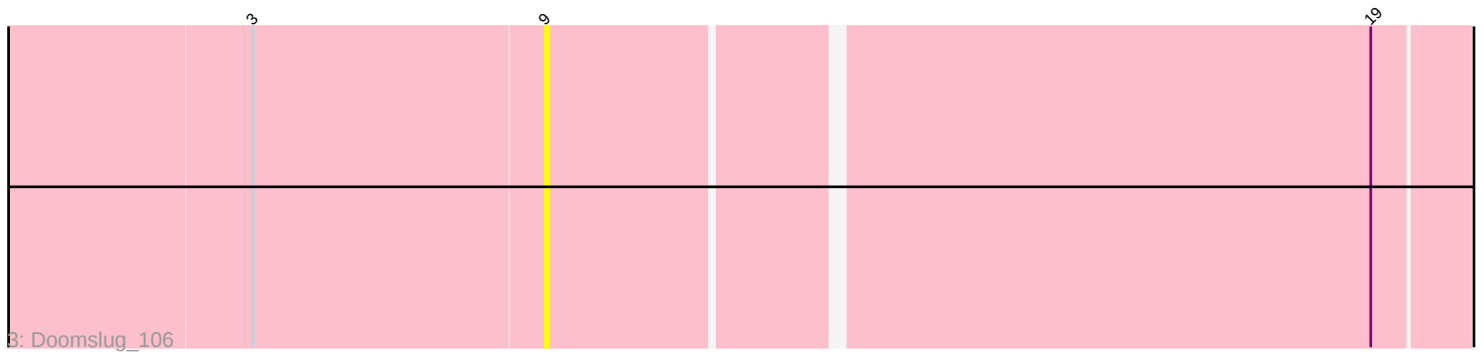
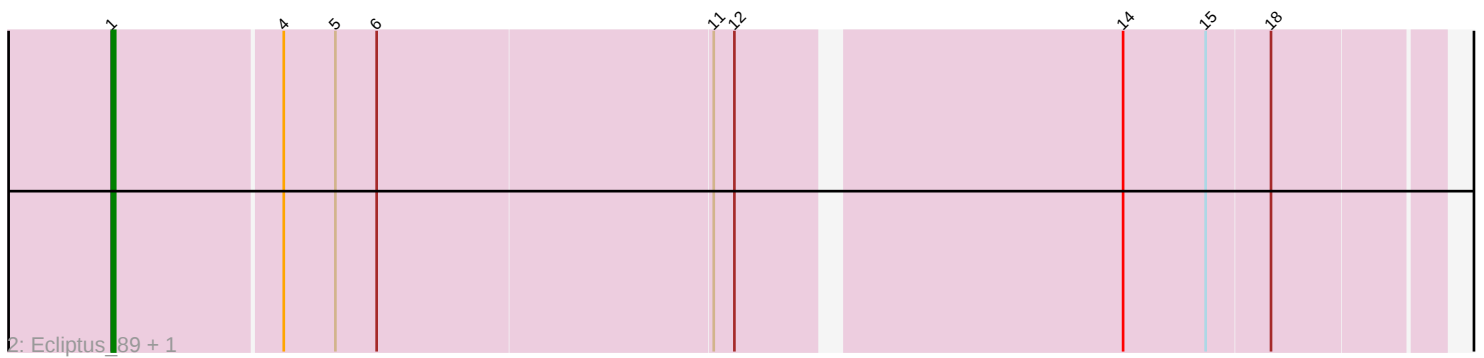
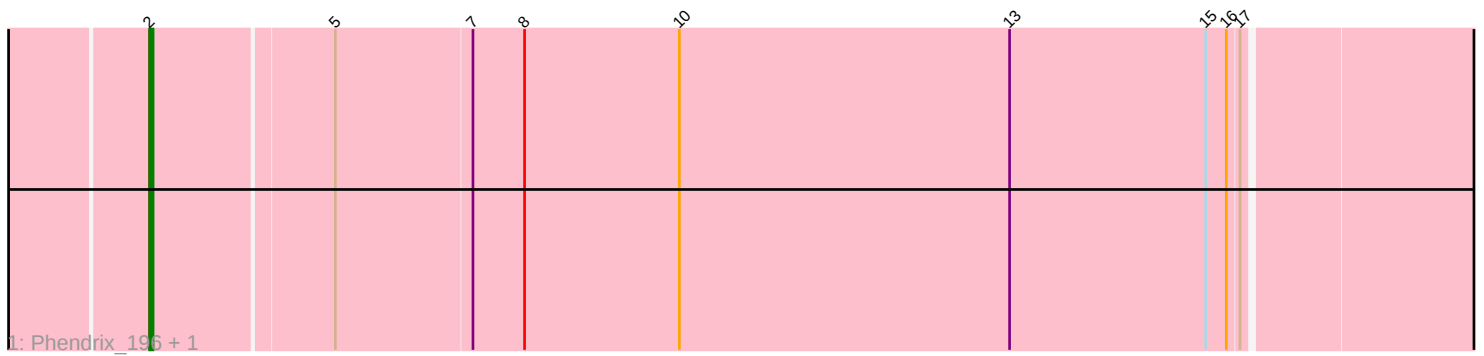


Pham 309870



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 309870 Report

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

Pham number 309870 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Phendrix_196, GodonK_208
- Track 2 : Ecliptus_89, Apricot_82
- Track 3 : Doomslug_106
- Track 4 : Starceвич_90, Doug_87, Gandolph_89, Zerg_90

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 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Doug_87, Gandolph_89, Starceвич_90, Zerg_90,

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

- Doomslug_106,

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

- Apricot_82, Ecliptus_89, GodonK_208, Phendrix_196,

Summary by start number:

Start 1:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apricot_82 (DN3), Ecliptus_89 (DN),

Start 2:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GodonK_208 (DK), Phendrix_196 (DK),

Start 3:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 4 of 8
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Doug_87 (F1), Gandalph_89 (F1), Starcevich_90 (F1), Zerg_90 (F1),

Start 9:

- Found in 5 of 9 (55.6%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Doomslug_106 (F),

Summary by clusters:

There are 5 clusters represented in this pham: DN, F1, DK, DN3, F,

Info for manual annotations of cluster DK:

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

Info for manual annotations of cluster DN:

- Start number 1 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN3:

- Start number 1 was manually annotated 1 time for cluster DN3.

Info for manual annotations of cluster F1:

- Start number 3 was manually annotated 4 times for cluster F1.

Gene Information:

Gene: Apricot_82 Start: 45653, Stop: 46024, Start Num: 1

Candidate Starts for Apricot_82:

(Start: 1 @45653 has 2 MA's), (4, 45701), (5, 45716), (6, 45728), (11, 45824), (12, 45830), (14, 45935), (15, 45959), (18, 45977),

Gene: Doomslug_106 Start: 53549, Stop: 53806, Start Num: 9

Candidate Starts for Doomslug_106:

(Start: 3 @53465 has 4 MA's), (9, 53549), (19, 53780),

Gene: Doug_87 Start: 51883, Stop: 52224, Start Num: 3

Candidate Starts for Doug_87:

(Start: 3 @51883 has 4 MA's), (9, 51967), (19, 52198),

Gene: Ecliptus_89 Start: 49359, Stop: 49730, Start Num: 1

Candidate Starts for Ecliptus_89:

(Start: 1 @49359 has 2 MA's), (4, 49407), (5, 49422), (6, 49434), (11, 49530), (12, 49536), (14, 49641), (15, 49665), (18, 49683),

Gene: Gandalph_89 Start: 48418, Stop: 48759, Start Num: 3

Candidate Starts for Gandalph_89:

(Start: 3 @48418 has 4 MA's), (9, 48502), (19, 48733),

Gene: GodonK_208 Start: 106950, Stop: 106573, Start Num: 2

Candidate Starts for GodonK_208:

(Start: 2 @106950 has 2 MA's), (5, 106899), (7, 106860), (8, 106845), (10, 106800), (13, 106704), (15, 106647), (16, 106641), (17, 106638),

Gene: Phendrix_196 Start: 105506, Stop: 105129, Start Num: 2

Candidate Starts for Phendrix_196:

(Start: 2 @105506 has 2 MA's), (5, 105455), (7, 105416), (8, 105401), (10, 105356), (13, 105260), (15, 105203), (16, 105197), (17, 105194),

Gene: Starceвич_90 Start: 52183, Stop: 52524, Start Num: 3

Candidate Starts for Starceвич_90:

(Start: 3 @52183 has 4 MA's), (9, 52267), (19, 52498),

Gene: Zerg_90 Start: 50920, Stop: 51261, Start Num: 3

Candidate Starts for Zerg_90:

(Start: 3 @50920 has 4 MA's), (9, 51004), (19, 51235),