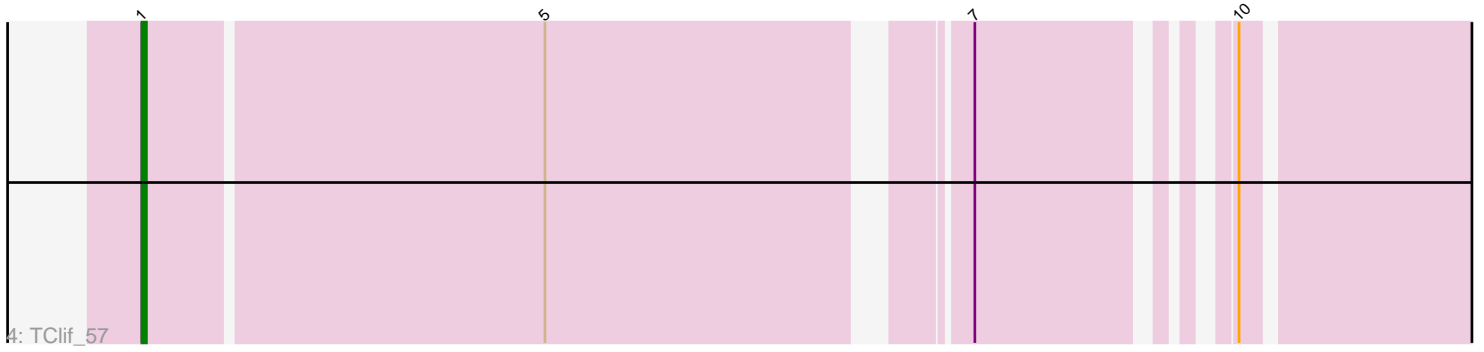
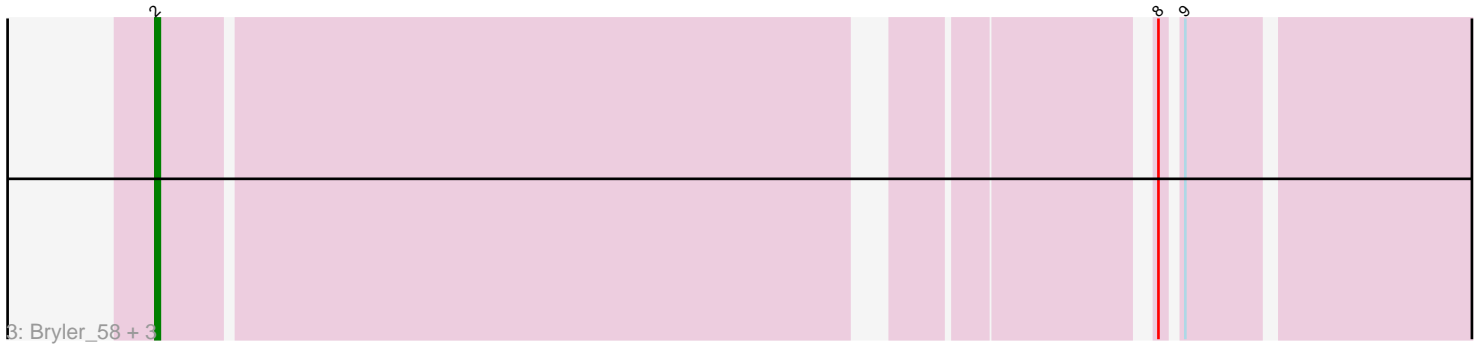
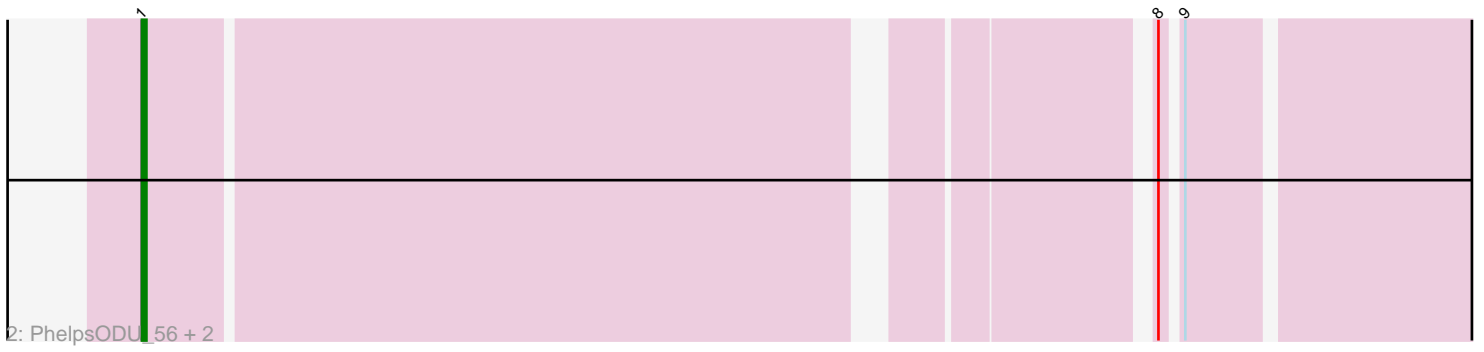
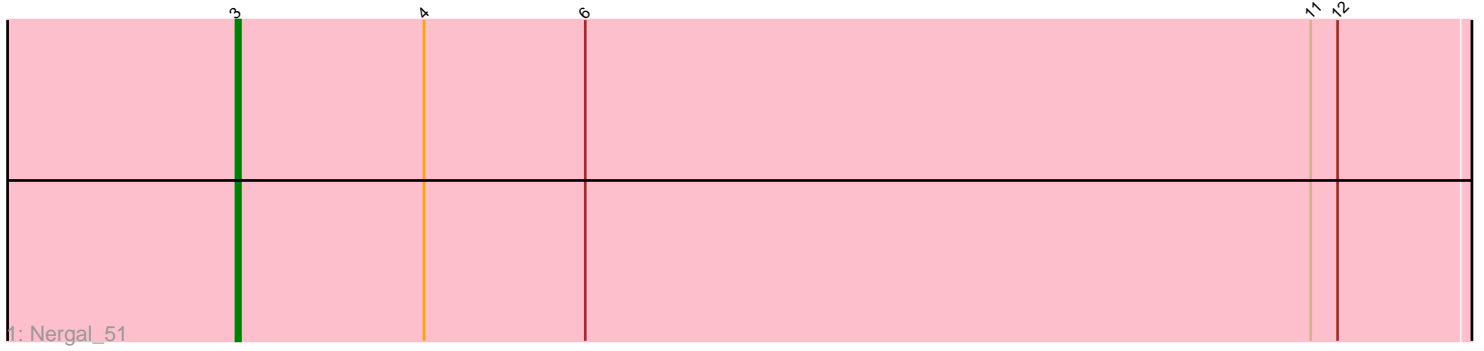


Pham 225107



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 225107 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225107 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Nergal_51
- Track 2 : PhelpsODU_56, Unicorn_56, Krueger_61
- Track 3 : Bryler_58, Cain_58, Phrank_58, Tierra_58
- Track 4 : TClif_57

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

The start number called the most often in the published annotations is 1, it was called in 4 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Krueger_61, PhelpsODU_56, TClif_57, Unicorn_56,

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

-

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

- Bryler_58, Cain_58, Nergal_51, Phrank_58, Tierra_58,

Summary by start number:

Start 1:

- Found in 4 of 9 (44.4%) of genes in pham
- Manual Annotations of this start: 4 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Krueger_61 (K6), PhelpsODU_56 (K6), TClif_57 (K6), Unicorn_56 (K6),

Start 2:

- Found in 4 of 9 (44.4%) of genes in pham
- Manual Annotations of this start: 4 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bryler_58 (K6), Cain_58 (K6), Phrank_58 (K6), Tierra_58 (K6),

Start 3:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nergal_51 (AG),

Summary by clusters:

There are 2 clusters represented in this pham: K6, AG,

Info for manual annotations of cluster AG:

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

Info for manual annotations of cluster K6:

- Start number 1 was manually annotated 4 times for cluster K6.
- Start number 2 was manually annotated 4 times for cluster K6.

Gene Information:

Gene: Bryler_58 Start: 38878, Stop: 39183, Start Num: 2

Candidate Starts for Bryler_58:

(Start: 2 @38878 has 4 MA's), (8, 39082), (9, 39085),

Gene: Cain_58 Start: 38866, Stop: 39171, Start Num: 2

Candidate Starts for Cain_58:

(Start: 2 @38866 has 4 MA's), (8, 39070), (9, 39073),

Gene: Krueger_61 Start: 39855, Stop: 40163, Start Num: 1

Candidate Starts for Krueger_61:

(Start: 1 @39855 has 4 MA's), (8, 40062), (9, 40065),

Gene: Nergal_51 Start: 37133, Stop: 37462, Start Num: 3

Candidate Starts for Nergal_51:

(Start: 3 @37133 has 1 MA's), (4, 37175), (6, 37211), (11, 37373), (12, 37379),

Gene: PhelpsODU_56 Start: 38793, Stop: 39101, Start Num: 1

Candidate Starts for PhelpsODU_56:

(Start: 1 @38793 has 4 MA's), (8, 39000), (9, 39003),

Gene: Phrank_58 Start: 38856, Stop: 39161, Start Num: 2

Candidate Starts for Phrank_58:

(Start: 2 @38856 has 4 MA's), (8, 39060), (9, 39063),

Gene: TClif_57 Start: 39529, Stop: 39831, Start Num: 1

Candidate Starts for TClif_57:

(Start: 1 @39529 has 4 MA's), (5, 39616), (7, 39700), (10, 39745),

Gene: Tierra_58 Start: 39667, Stop: 39972, Start Num: 2

Candidate Starts for Tierra_58:

(Start: 2 @39667 has 4 MA's), (8, 39871), (9, 39874),

Gene: Unicorn_56 Start: 38793, Stop: 39101, Start Num: 1
Candidate Starts for Unicorn_56:
(Start: 1 @38793 has 4 MA's), (8, 39000), (9, 39003),