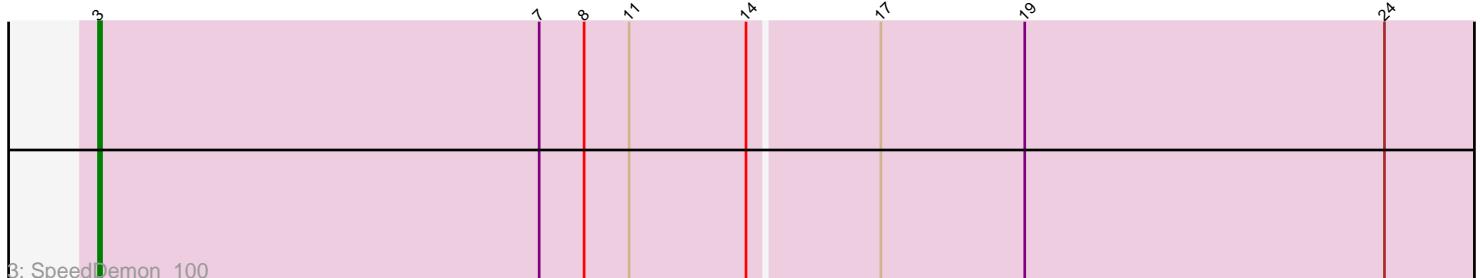
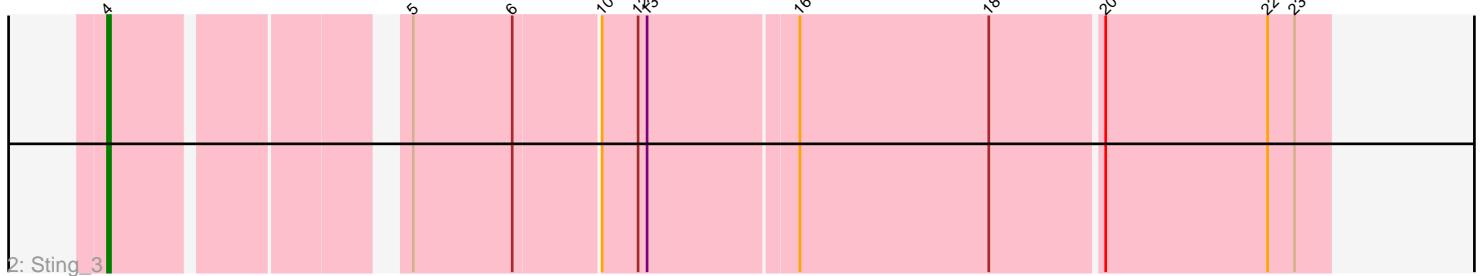
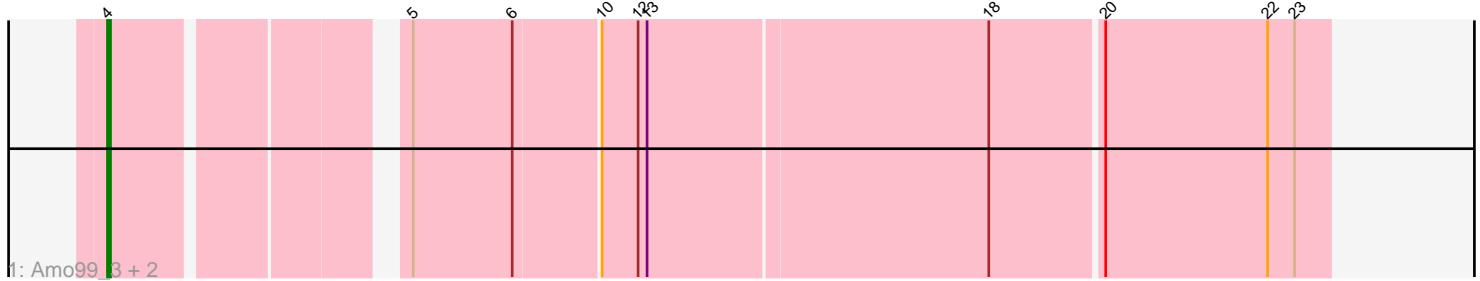


Pham 281101



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 281101 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281101 has 11 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Amo99_3, Jollymon_3, ColdSoup_3
- Track 2 : Sting_3
- Track 3 : SpeedDemon_100
- Track 4 : Budgie_114
- Track 5 : Papyrus_90, Weiss13_90, Nilo_93, Riparian_92, Zenon_92

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

Genes that call this "Most Annotated" start:

- Nilo_93, Papyrus_90, Riparian_92, Weiss13_90, Zenon_92,

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

-

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

- Amo99_3, Budgie_114, ColdSoup_3, Jollymon_3, SpeedDemon_100, Sting_3,

Summary by start number:

Start 1:

- Found in 1 of 11 (9.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Budgie_114 (E),

Start 2:

- Found in 5 of 11 (45.5%) of genes in pham
- Manual Annotations of this start: 5 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nilo_93 (R), Papyrus_90 (R), Riparian_92 (R), Weiss13_90 (R), Zenon_92 (R),

Start 3:

- Found in 1 of 11 (9.1%) 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: SpeedDemon_100 (DL),

Start 4:

- Found in 4 of 11 (36.4%) 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: Amo99_3 (CP), ColdSoup_3 (CP), Jollymon_3 (CP), Sting_3 (CP),

Summary by clusters:

There are 4 clusters represented in this pham: DL, R, E, CP,

Info for manual annotations of cluster CP:

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

Info for manual annotations of cluster DL:

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

Info for manual annotations of cluster R:

- Start number 2 was manually annotated 5 times for cluster R.

Gene Information:

Gene: Amo99_3 Start: 2875, Stop: 3255, Start Num: 4

Candidate Starts for Amo99_3:

(Start: 4 @2875 has 2 MA's), (5, 2959), (6, 2992), (10, 3019), (12, 3031), (13, 3034), (18, 3145), (20, 3181), (22, 3235), (23, 3244),

Gene: Budgie_114 Start: 62448, Stop: 62732, Start Num: 1

Candidate Starts for Budgie_114:

(1, 62448), (6, 62577), (9, 62601), (15, 62661),

Gene: ColdSoup_3 Start: 2875, Stop: 3255, Start Num: 4

Candidate Starts for ColdSoup_3:

(Start: 4 @2875 has 2 MA's), (5, 2959), (6, 2992), (10, 3019), (12, 3031), (13, 3034), (18, 3145), (20, 3181), (22, 3235), (23, 3244),

Gene: Jollymon_3 Start: 2875, Stop: 3255, Start Num: 4

Candidate Starts for Jollymon_3:

(Start: 4 @2875 has 2 MA's), (5, 2959), (6, 2992), (10, 3019), (12, 3031), (13, 3034), (18, 3145), (20, 3181), (22, 3235), (23, 3244),

Gene: Nilo_93 Start: 65105, Stop: 65443, Start Num: 2

Candidate Starts for Nilo_93:

(Start: 2 @65105 has 5 MA's), (21, 65426),

Gene: Papyrus_90 Start: 64039, Stop: 64377, Start Num: 2

Candidate Starts for Papyrus_90:

(Start: 2 @64039 has 5 MA's), (21, 64360),

Gene: Riparian_92 Start: 64551, Stop: 64889, Start Num: 2

Candidate Starts for Riparian_92:

(Start: 2 @64551 has 5 MA's), (21, 64872),

Gene: SpeedDemon_100 Start: 4893, Stop: 5351, Start Num: 3

Candidate Starts for SpeedDemon_100:

(Start: 3 @4893 has 1 MA's), (7, 5040), (8, 5055), (11, 5070), (14, 5109), (17, 5151), (19, 5199), (24, 5319),

Gene: Sting_3 Start: 2872, Stop: 3252, Start Num: 4

Candidate Starts for Sting_3:

(Start: 4 @2872 has 2 MA's), (5, 2956), (6, 2989), (10, 3016), (12, 3028), (13, 3031), (16, 3079), (18, 3142), (20, 3178), (22, 3232), (23, 3241),

Gene: Weiss13_90 Start: 64788, Stop: 65126, Start Num: 2

Candidate Starts for Weiss13_90:

(Start: 2 @64788 has 5 MA's), (21, 65109),

Gene: Zenon_92 Start: 65114, Stop: 65452, Start Num: 2

Candidate Starts for Zenon_92:

(Start: 2 @65114 has 5 MA's), (21, 65435),