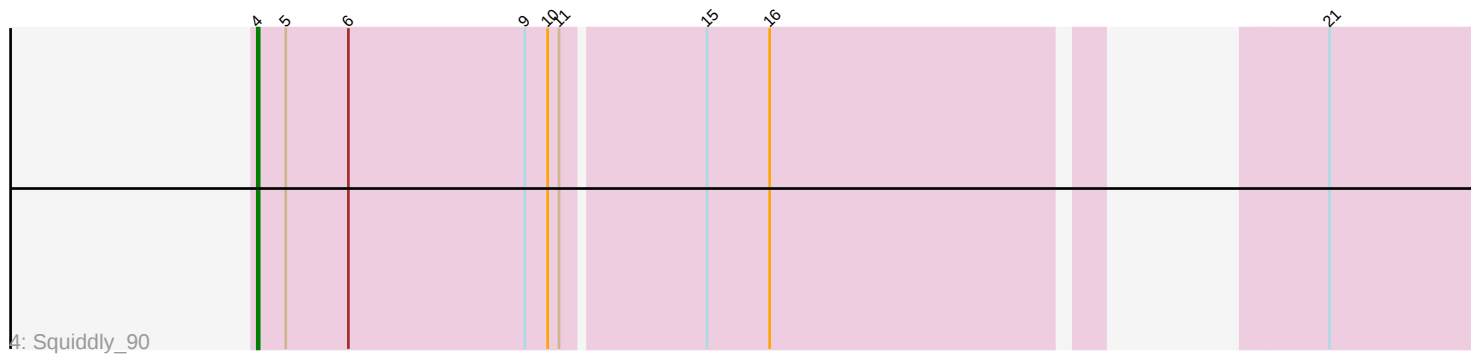
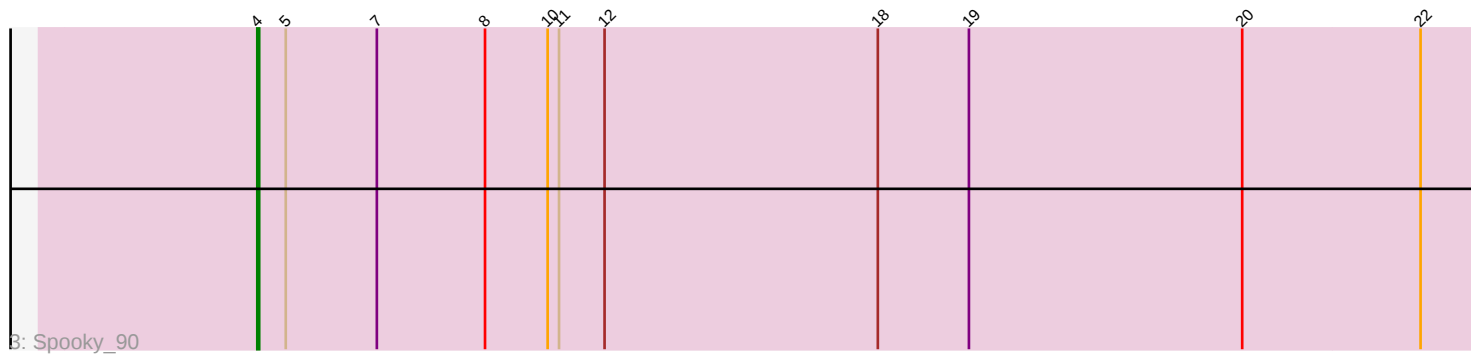
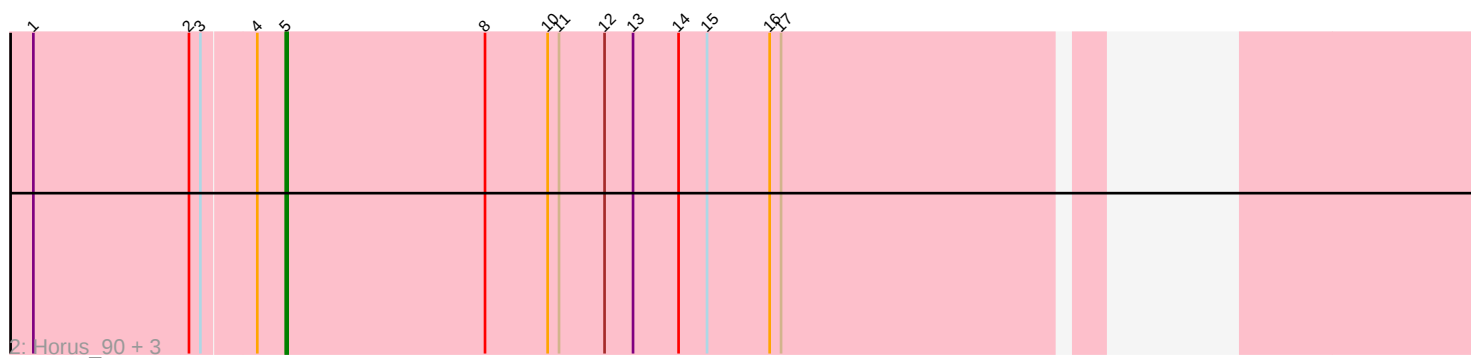
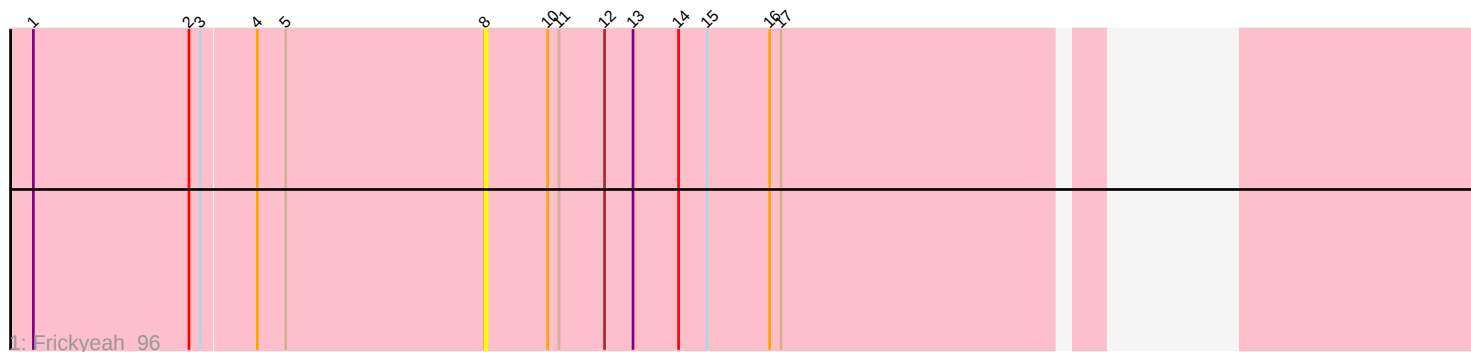


Pham 318340



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 318340 Report

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

Pham number 318340 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Frickyeh_96
- Track 2 : Horus_90, Periwinkle_98, ShawBrad_93, Leroy_89
- Track 3 : Spooky_90
- Track 4 : Squiddly_90

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

The start number called the most often in the published annotations is 5, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Horus_90, Leroy_89, Periwinkle_98, ShawBrad_93,

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

- Frickyeh_96, Spooky_90, Squiddly_90,

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

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Summary by start number:

Start 4:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Spooky_90 (DN2), Squiddly_90 (DN2),

Start 5:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 6
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Horus_90 (DN1), Leroy_89 (DN1), Periwinkle_98 (DN1), ShawBrad_93 (DN1),

Start 8:

- Found in 6 of 7 (85.7%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Frickyeah_96 (DN1),

Summary by clusters:

There are 2 clusters represented in this pham: DN1, DN2,

Info for manual annotations of cluster DN1:

- Start number 5 was manually annotated 4 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 4 was manually annotated 2 times for cluster DN2.

Gene Information:

Gene: Frickyeah_96 Start: 50291, Stop: 50761, Start Num: 8

Candidate Starts for Frickyeah_96:

(1, 50057), (2, 50138), (3, 50144), (Start: 4 @50171 has 2 MA's), (Start: 5 @50186 has 4 MA's), (8, 50291), (10, 50324), (11, 50330), (12, 50354), (13, 50369), (14, 50393), (15, 50408), (16, 50441), (17, 50447),

Gene: Horus_90 Start: 50461, Stop: 51036, Start Num: 5

Candidate Starts for Horus_90:

(1, 50332), (2, 50413), (3, 50419), (Start: 4 @50446 has 2 MA's), (Start: 5 @50461 has 4 MA's), (8, 50566), (10, 50599), (11, 50605), (12, 50629), (13, 50644), (14, 50668), (15, 50683), (16, 50716), (17, 50722),

Gene: Leroy_89 Start: 48656, Stop: 49231, Start Num: 5

Candidate Starts for Leroy_89:

(1, 48527), (2, 48608), (3, 48614), (Start: 4 @48641 has 2 MA's), (Start: 5 @48656 has 4 MA's), (8, 48761), (10, 48794), (11, 48800), (12, 48824), (13, 48839), (14, 48863), (15, 48878), (16, 48911), (17, 48917),

Gene: Periwinkle_98 Start: 51463, Stop: 52038, Start Num: 5

Candidate Starts for Periwinkle_98:

(1, 51334), (2, 51415), (3, 51421), (Start: 4 @51448 has 2 MA's), (Start: 5 @51463 has 4 MA's), (8, 51568), (10, 51601), (11, 51607), (12, 51631), (13, 51646), (14, 51670), (15, 51685), (16, 51718), (17, 51724),

Gene: ShawBrad_93 Start: 48712, Stop: 49287, Start Num: 5

Candidate Starts for ShawBrad_93:

(1, 48583), (2, 48664), (3, 48670), (Start: 4 @48697 has 2 MA's), (Start: 5 @48712 has 4 MA's), (8, 48817), (10, 48850), (11, 48856), (12, 48880), (13, 48895), (14, 48919), (15, 48934), (16, 48967), (17, 48973),

Gene: Spooky_90 Start: 50066, Stop: 50734, Start Num: 4

Candidate Starts for Spooky_90:

(Start: 4 @50066 has 2 MA's), (Start: 5 @50081 has 4 MA's), (7, 50129), (8, 50186), (10, 50219), (11, 50225), (12, 50249), (18, 50393), (19, 50441), (20, 50585), (22, 50678),

Gene: Squiddly_90 Start: 52643, Stop: 53230, Start Num: 4

Candidate Starts for Squiddly_90:

(Start: 4 @52643 has 2 MA's), (Start: 5 @52658 has 4 MA's), (6, 52691), (9, 52784), (10, 52796), (11, 52802), (15, 52874), (16, 52907), (21, 53120),