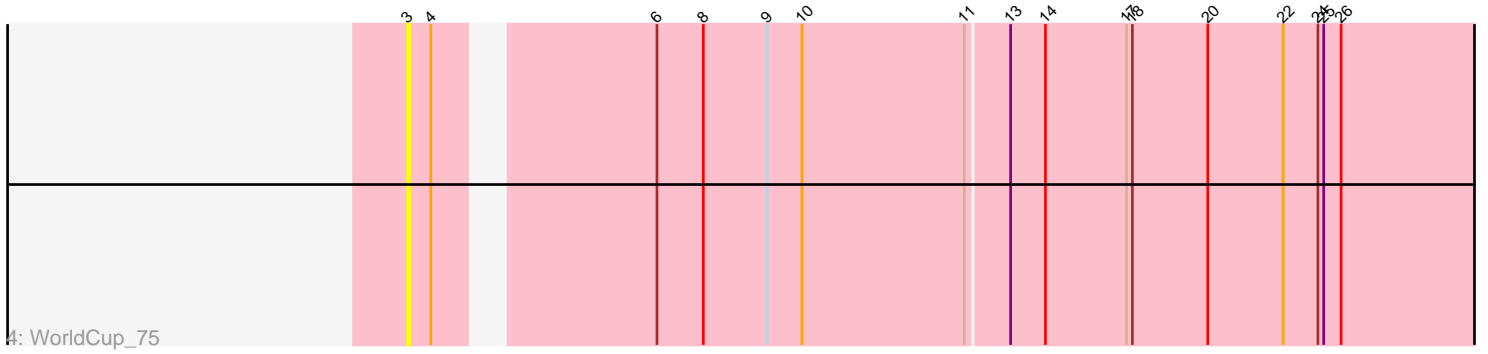
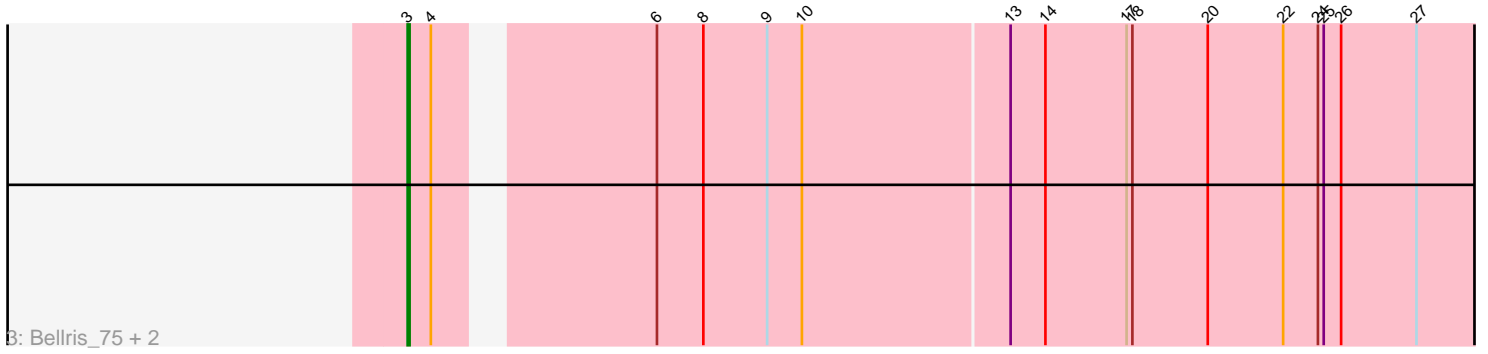
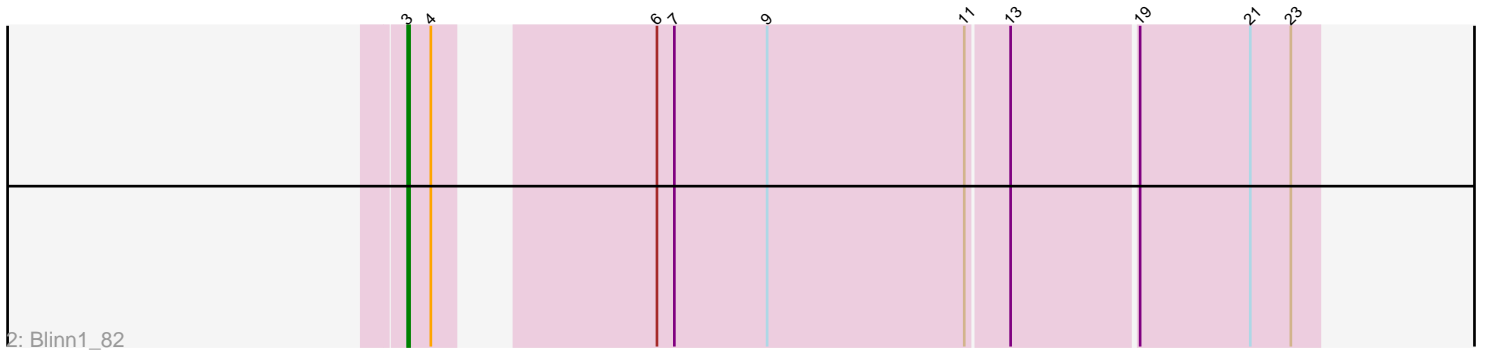
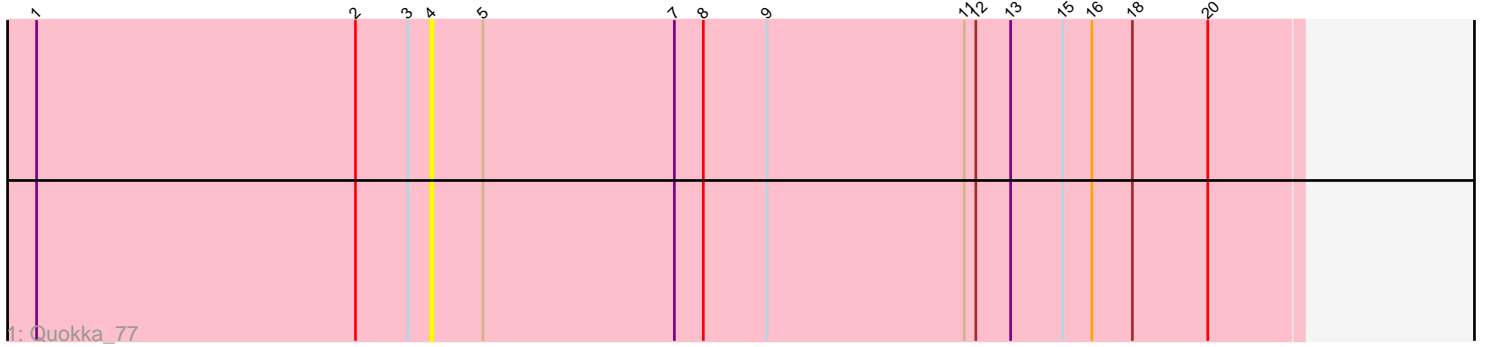


Pham 295490



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 295490 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295490 has 6 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Quokka_77
- Track 2 : Blinn1_82
- Track 3 : Bellris_75, Rahalelujah_77, CogOmlette_75
- Track 4 : WorldCup_75

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 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bellris_75, Blinn1_82, CogOmlette_75, Rahalelujah_77, WorldCup_75,

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

- Quokka_77,

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

-

Summary by start number:

Start 3:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 2
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Bellris_75 (A9), Blinn1_82 (A6), CogOmlette_75 (A9), Rahalelujah_77 (A9), WorldCup_75 (A9),

Start 4:

- Found in 6 of 6 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Quokka_77 (A2),

Summary by clusters:

There are 3 clusters represented in this pham: A9, A2, A6,

Info for manual annotations of cluster A6:

- Start number 3 was manually annotated 1 time for cluster A6.

Info for manual annotations of cluster A9:

- Start number 3 was manually annotated 1 time for cluster A9.

Gene Information:

Gene: Bellris_75 Start: 44581, Stop: 44039, Start Num: 3

Candidate Starts for Bellris_75:

(Start: 3 @44581 has 2 MA's), (4, 44569), (6, 44473), (8, 44449), (9, 44416), (10, 44398), (13, 44293), (14, 44275), (17, 44233), (18, 44230), (20, 44191), (22, 44152), (24, 44134), (25, 44131), (26, 44122), (27, 44083),

Gene: Blinn1_82 Start: 45133, Stop: 44699, Start Num: 3

Candidate Starts for Blinn1_82:

(Start: 3 @45133 has 2 MA's), (4, 45121), (6, 45034), (7, 45025), (9, 44977), (11, 44875), (13, 44854), (19, 44791), (21, 44734), (23, 44713),

Gene: CogOmlette_75 Start: 44578, Stop: 44036, Start Num: 3

Candidate Starts for CogOmlette_75:

(Start: 3 @44578 has 2 MA's), (4, 44566), (6, 44470), (8, 44446), (9, 44413), (10, 44395), (13, 44290), (14, 44272), (17, 44230), (18, 44227), (20, 44188), (22, 44149), (24, 44131), (25, 44128), (26, 44119), (27, 44080),

Gene: Quokka_77 Start: 44822, Stop: 44373, Start Num: 4

Candidate Starts for Quokka_77:

(1, 45026), (2, 44861), (Start: 3 @44834 has 2 MA's), (4, 44822), (5, 44795), (7, 44696), (8, 44681), (9, 44648), (11, 44546), (12, 44540), (13, 44522), (15, 44495), (16, 44480), (18, 44459), (20, 44420),

Gene: Rahalelujah_77 Start: 44590, Stop: 44048, Start Num: 3

Candidate Starts for Rahalelujah_77:

(Start: 3 @44590 has 2 MA's), (4, 44578), (6, 44482), (8, 44458), (9, 44425), (10, 44407), (13, 44302), (14, 44284), (17, 44242), (18, 44239), (20, 44200), (22, 44161), (24, 44143), (25, 44140), (26, 44131), (27, 44092),

Gene: WorldCup_75 Start: 44588, Stop: 44046, Start Num: 3

Candidate Starts for WorldCup_75:

(Start: 3 @44588 has 2 MA's), (4, 44576), (6, 44480), (8, 44456), (9, 44423), (10, 44405), (11, 44321), (13, 44300), (14, 44282), (17, 44240), (18, 44237), (20, 44198), (22, 44159), (24, 44141), (25, 44138), (26, 44129),