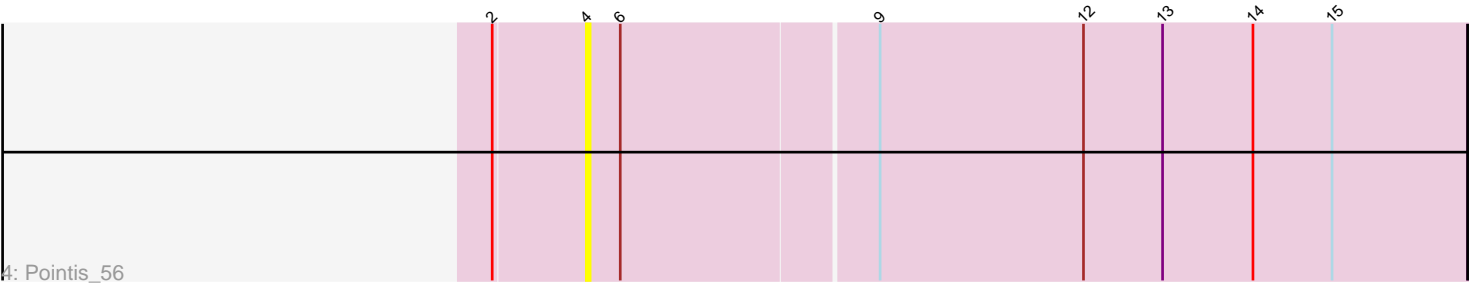
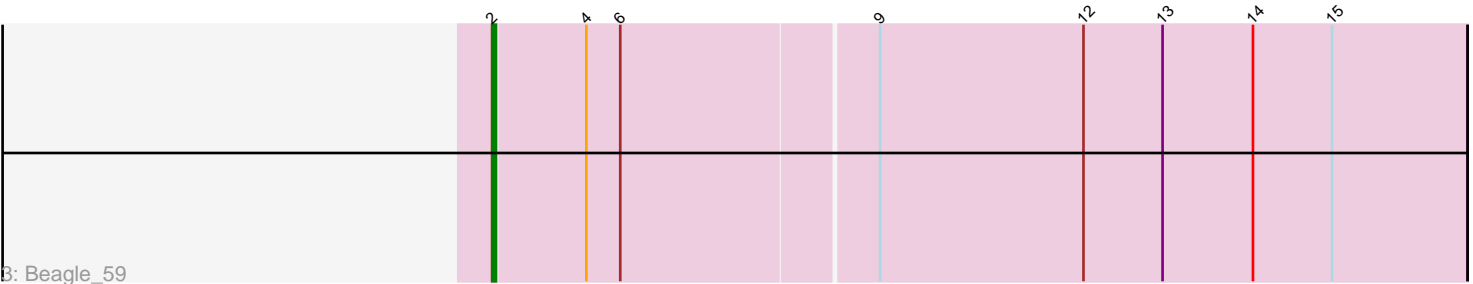
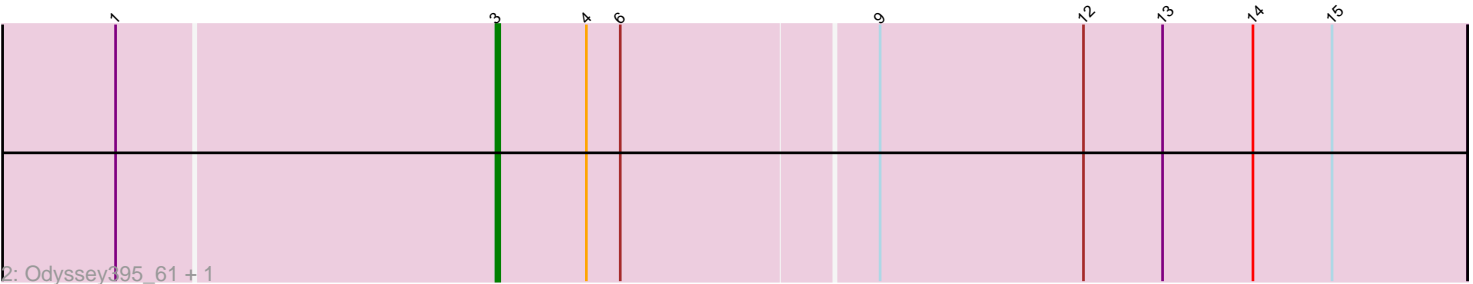
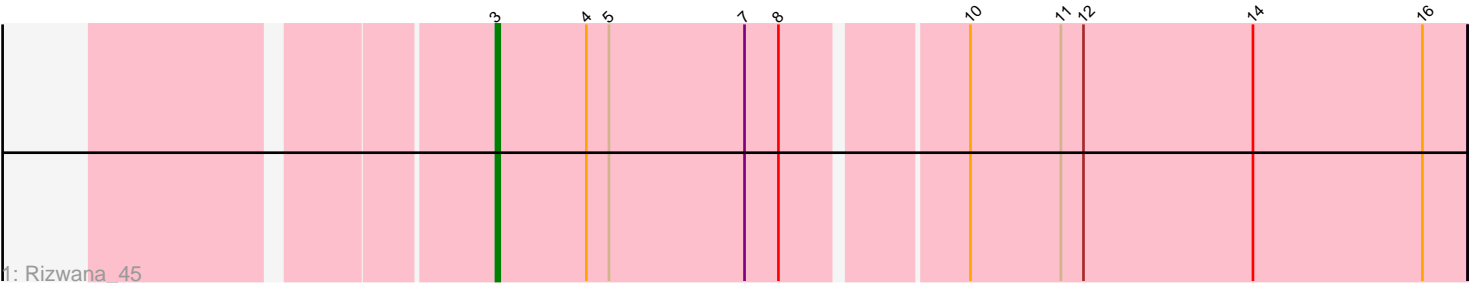


Pham 9816



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 9816 Report

This analysis was run 04/28/24 on database version 559.

Pham number 9816 has 6 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Rizwana_45
- Track 2 : Odyssey395_61, Pureglobe5_60
- Track 3 : Beagle_59
- Track 4 : Pointis_56
- Track 5 : MellowYellow_52

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

Genes that call this "Most Annotated" start:

- MellowYellow_52, Odyssey395_61, Pureglobe5_60, Rizwana_45,

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

-

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

- Beagle_59, Pointis_56,

Summary by start number:

Start 2:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Beagle_59 (AP2),

Start 3:

- Found in 4 of 6 (66.7%) of genes in pham
- Manual Annotations of this start: 3 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MellowYellow_52 (AP2), Odyssey395_61 (AP2), Pureglobe5_60 (AP2), Rizwana_45 (AP1),

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: Pointis_56 (AP2),

Summary by clusters:

There are 2 clusters represented in this pham: AP2, AP1,

Info for manual annotations of cluster AP1:

- Start number 3 was manually annotated 1 time for cluster AP1.

Info for manual annotations of cluster AP2:

- Start number 2 was manually annotated 1 time for cluster AP2.
- Start number 3 was manually annotated 2 times for cluster AP2.

Gene Information:

Gene: Beagle_59 Start: 40375, Stop: 40121, Start Num: 2

Candidate Starts for Beagle_59:

(Start: 2 @40375 has 1 MA's), (4, 40351), (6, 40342), (9, 40276), (12, 40222), (13, 40201), (14, 40177), (15, 40156),

Gene: MellowYellow_52 Start: 39394, Stop: 39143, Start Num: 3

Candidate Starts for MellowYellow_52:

(1, 39493), (Start: 3 @39394 has 3 MA's), (4, 39370), (6, 39361), (10, 39274), (12, 39244), (13, 39223), (14, 39199), (15, 39178),

Gene: Odyssey395_61 Start: 40599, Stop: 40345, Start Num: 3

Candidate Starts for Odyssey395_61:

(1, 40698), (Start: 3 @40599 has 3 MA's), (4, 40575), (6, 40566), (9, 40500), (12, 40446), (13, 40425), (14, 40401), (15, 40380),

Gene: Pointis_56 Start: 40391, Stop: 40161, Start Num: 4

Candidate Starts for Pointis_56:

(Start: 2 @40415 has 1 MA's), (4, 40391), (6, 40382), (9, 40316), (12, 40262), (13, 40241), (14, 40217), (15, 40196),

Gene: Pureglobe5_60 Start: 40846, Stop: 40592, Start Num: 3

Candidate Starts for Pureglobe5_60:

(1, 40945), (Start: 3 @40846 has 3 MA's), (4, 40822), (6, 40813), (9, 40747), (12, 40693), (13, 40672), (14, 40648), (15, 40627),

Gene: Rizwana_45 Start: 38542, Stop: 38291, Start Num: 3

Candidate Starts for Rizwana_45:

(Start: 3 @38542 has 3 MA's), (4, 38518), (5, 38512), (7, 38476), (8, 38467), (10, 38422), (11, 38398), (12, 38392), (14, 38347), (16, 38302),