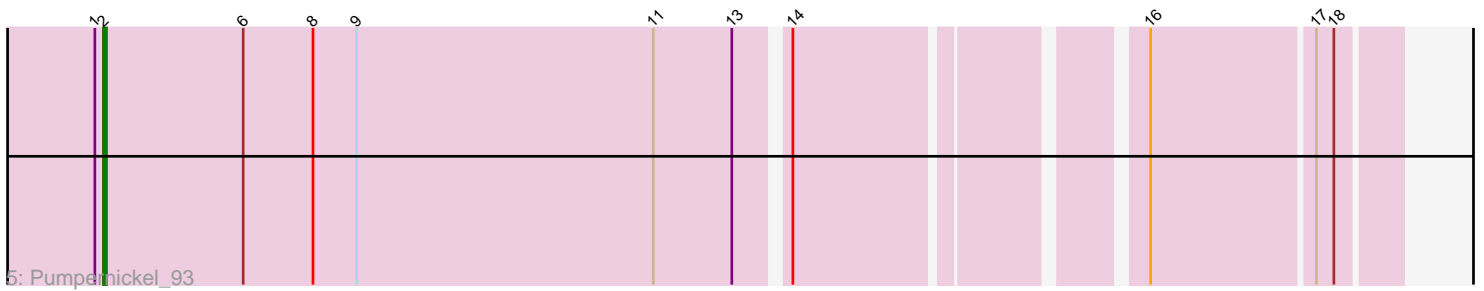
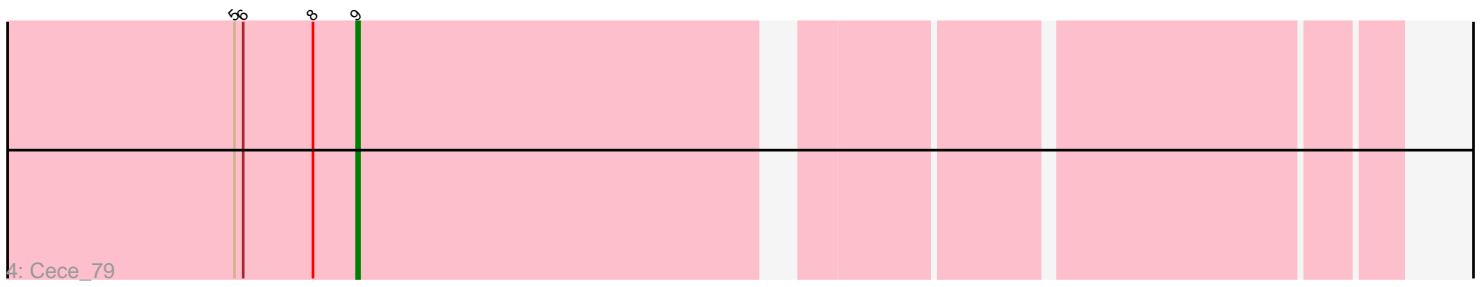
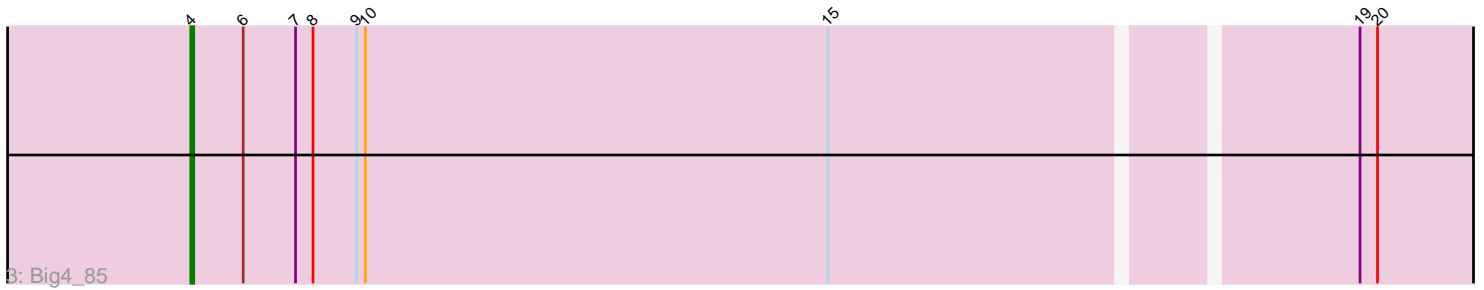
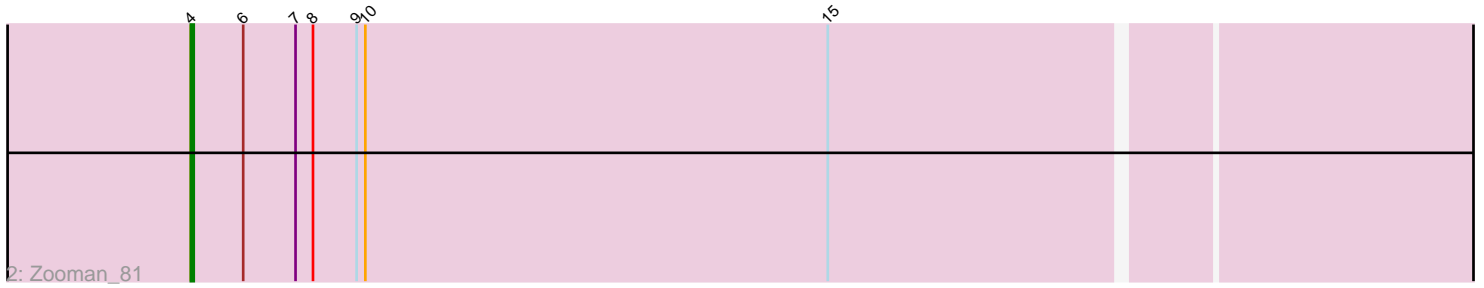
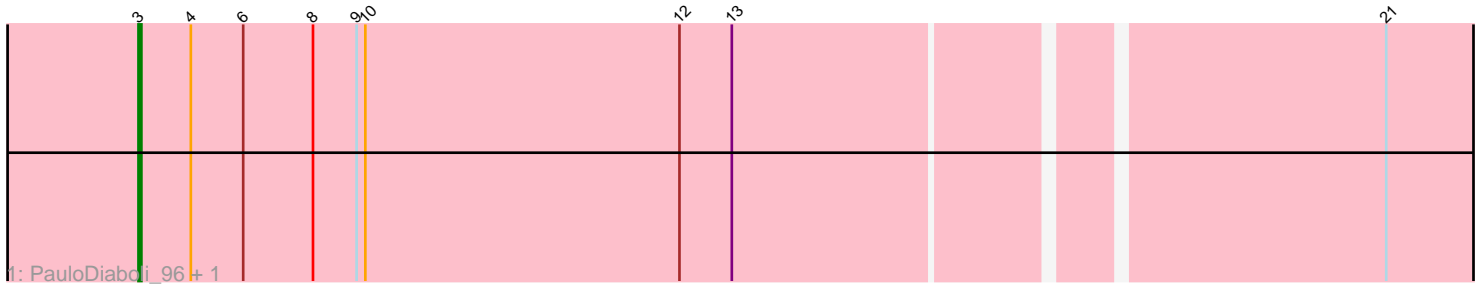


Pham 7574



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 7574 Report

This analysis was run 07/09/24 on database version 566.

Pham number 7574 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : PauloDiaboli_96, A3Wally_96
- Track 2 : Zooman_81
- Track 3 : Big4_85
- Track 4 : Cece_79
- Track 5 : Pumpernickel_93

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 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- A3Wally_96, PauloDiaboli_96,

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

-

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

- Big4_85, Cece_79, Pumpernickel_93, Zooman_81,

Summary by start number:

Start 2:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pumpernickel_93 (GD4),

Start 3:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: A3Wally_96 (GD1), PauloDiaboli_96 (GD1),

Start 4:

- Found in 4 of 6 (66.7%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Big4_85 (GD2), Zooman_81 (GD2),

Start 9:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Cece_79 (GD3),

Summary by clusters:

There are 4 clusters represented in this pham: GD1, GD2, GD3, GD4,

Info for manual annotations of cluster GD1:

- Start number 3 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster GD2:

- Start number 4 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 9 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:

- Start number 2 was manually annotated 1 time for cluster GD4.

Gene Information:

Gene: A3Wally_96 Start: 51501, Stop: 51950, Start Num: 3

Candidate Starts for A3Wally_96:

(Start: 3 @51501 has 2 MA's), (Start: 4 @51519 has 2 MA's), (6, 51537), (8, 51561), (Start: 9 @51576 has 1 MA's), (10, 51579), (12, 51687), (13, 51705), (21, 51915),

Gene: Big4_85 Start: 50539, Stop: 50973, Start Num: 4

Candidate Starts for Big4_85:

(Start: 4 @50539 has 2 MA's), (6, 50557), (7, 50575), (8, 50581), (Start: 9 @50596 has 1 MA's), (10, 50599), (15, 50758), (19, 50929), (20, 50935),

Gene: Cece_79 Start: 46551, Stop: 46880, Start Num: 9

Candidate Starts for Cece_79:

(5, 46509), (6, 46512), (8, 46536), (Start: 9 @46551 has 1 MA's),

Gene: PauloDiaboli_96 Start: 50858, Stop: 51307, Start Num: 3

Candidate Starts for PauloDiaboli_96:

(Start: 3 @50858 has 2 MA's), (Start: 4 @50876 has 2 MA's), (6, 50894), (8, 50918), (Start: 9 @50933 has 1 MA's), (10, 50936), (12, 51044), (13, 51062), (21, 51272),

Gene: Pumpernickel_93 Start: 52220, Stop: 52636, Start Num: 2

Candidate Starts for Pumpernickel_93:

(1, 52217), (Start: 2 @52220 has 1 MA's), (6, 52268), (8, 52292), (Start: 9 @52307 has 1 MA's), (11, 52409), (13, 52436), (14, 52451), (16, 52556), (17, 52610), (18, 52616),

Gene: Zooman_81 Start: 49193, Stop: 49630, Start Num: 4

Candidate Starts for Zooman_81:

(Start: 4 @49193 has 2 MA's), (6, 49211), (7, 49229), (8, 49235), (Start: 9 @49250 has 1 MA's), (10, 49253), (15, 49412),