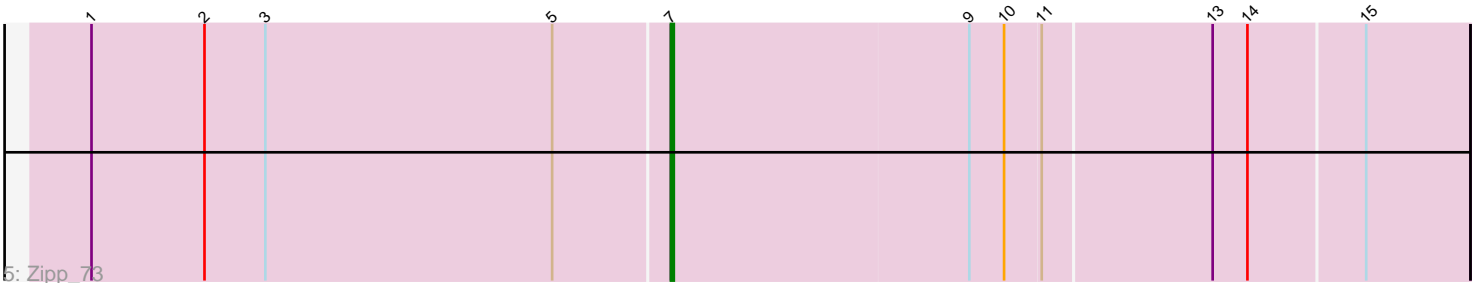
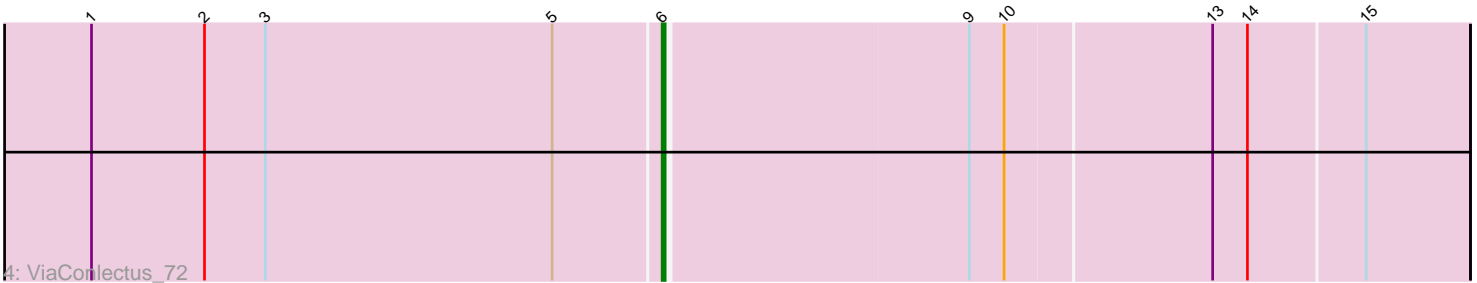
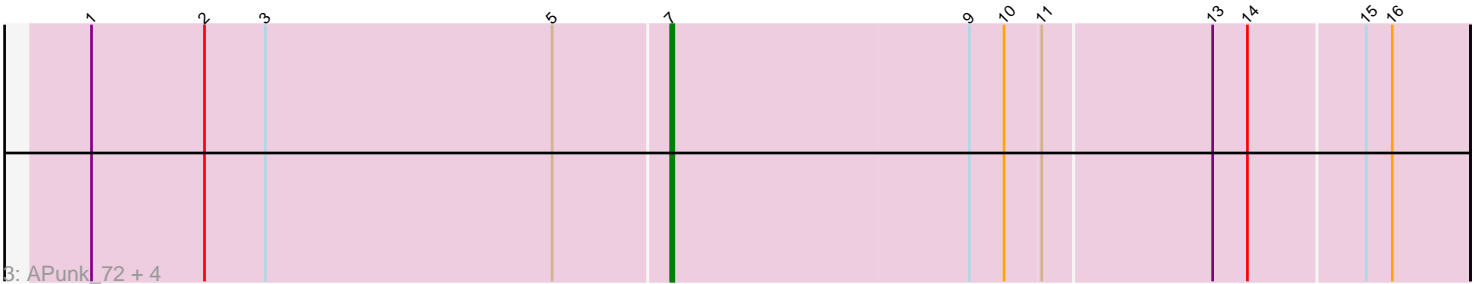
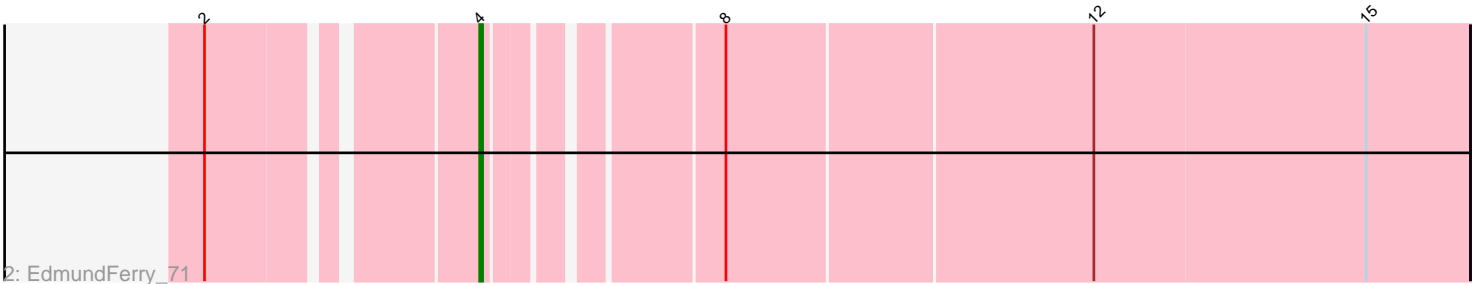
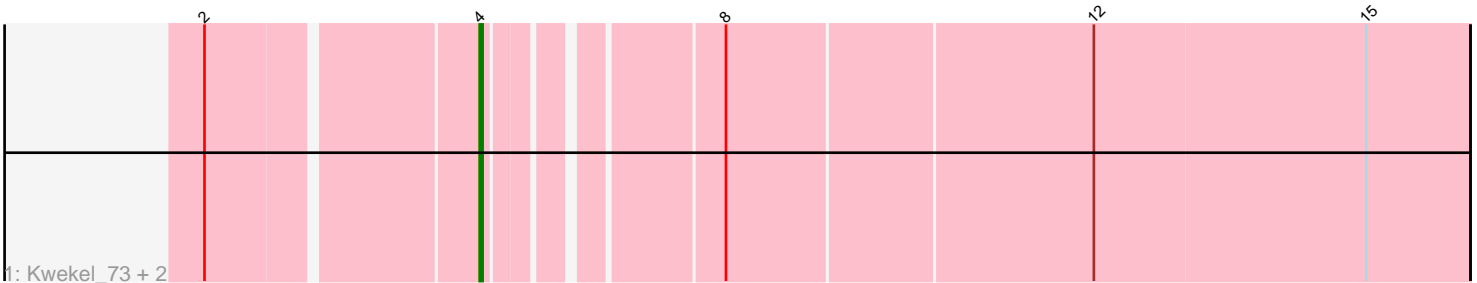


Pham 88005



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 88005 Report

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

Pham number 88005 has 11 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Kwekel_73, RoadKill_70, Chickadee_73
- Track 2 : EdmundFerry_71
- Track 3 : APunk_72, Scioto_72, Sampson_74, Abblin_72, Natkenzie_72
- Track 4 : ViaConlectus_72
- Track 5 : Zipp_73

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

The start number called the most often in the published annotations is 4, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chickadee_73, EdmundFerry_71, Kwekel_73, RoadKill_70,

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

-

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

- APunk_72, Abblin_72, Natkenzie_72, Sampson_74, Scioto_72, ViaConlectus_72, Zipp_73,

Summary by start number:

Start 4:

- Found in 4 of 11 (36.4%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chickadee_73 (DE3), EdmundFerry_71 (DE3), Kwekel_73 (DE3), RoadKill_70 (DE3),

Start 6:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present

- Phage (with cluster) where this start called: ViaConlectus_72 (DE4),

Start 7:

- Found in 6 of 11 (54.5%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: APunk_72 (DE4), Abblin_72 (DE4), Natkenzie_72 (DE4), Sampson_74 (DE4), Scioto_72 (DE4), Zipp_73 (DE4),

Summary by clusters:

There are 2 clusters represented in this pham: DE3, DE4,

Info for manual annotations of cluster DE3:

- Start number 4 was manually annotated 3 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 6 was manually annotated 1 time for cluster DE4.
- Start number 7 was manually annotated 3 times for cluster DE4.

Gene Information:

Gene: APunk_72 Start: 53448, Stop: 53717, Start Num: 7

Candidate Starts for APunk_72:

(1, 53250), (2, 53289), (3, 53310), (5, 53409), (Start: 7 @53448 has 3 MA's), (9, 53550), (10, 53562), (11, 53574), (13, 53631), (14, 53643), (15, 53682), (16, 53691),

Gene: Abblin_72 Start: 53606, Stop: 53875, Start Num: 7

Candidate Starts for Abblin_72:

(1, 53408), (2, 53447), (3, 53468), (5, 53567), (Start: 7 @53606 has 3 MA's), (9, 53708), (10, 53720), (11, 53732), (13, 53789), (14, 53801), (15, 53840), (16, 53849),

Gene: Chickadee_73 Start: 51052, Stop: 51372, Start Num: 4

Candidate Starts for Chickadee_73:

(2, 50965), (Start: 4 @51052 has 3 MA's), (8, 51121), (12, 51244), (15, 51337),

Gene: EdmundFerry_71 Start: 50598, Stop: 50918, Start Num: 4

Candidate Starts for EdmundFerry_71:

(2, 50517), (Start: 4 @50598 has 3 MA's), (8, 50667), (12, 50790), (15, 50883),

Gene: Kwekel_73 Start: 50965, Stop: 51285, Start Num: 4

Candidate Starts for Kwekel_73:

(2, 50878), (Start: 4 @50965 has 3 MA's), (8, 51034), (12, 51157), (15, 51250),

Gene: Natkenzie_72 Start: 53606, Stop: 53875, Start Num: 7

Candidate Starts for Natkenzie_72:

(1, 53408), (2, 53447), (3, 53468), (5, 53567), (Start: 7 @53606 has 3 MA's), (9, 53708), (10, 53720), (11, 53732), (13, 53789), (14, 53801), (15, 53840), (16, 53849),

Gene: RoadKill_70 Start: 50494, Stop: 50814, Start Num: 4

Candidate Starts for RoadKill_70:

(2, 50407), (Start: 4 @50494 has 3 MA's), (8, 50563), (12, 50686), (15, 50779),

Gene: Sampson_74 Start: 53757, Stop: 54026, Start Num: 7

Candidate Starts for Sampson_74:

(1, 53559), (2, 53598), (3, 53619), (5, 53718), (Start: 7 @53757 has 3 MA's), (9, 53859), (10, 53871), (11, 53883), (13, 53940), (14, 53952), (15, 53991), (16, 54000),

Gene: Scioto_72 Start: 53607, Stop: 53876, Start Num: 7

Candidate Starts for Scioto_72:

(1, 53409), (2, 53448), (3, 53469), (5, 53568), (Start: 7 @53607 has 3 MA's), (9, 53709), (10, 53721), (11, 53733), (13, 53790), (14, 53802), (15, 53841), (16, 53850),

Gene: ViaConlectus_72 Start: 52558, Stop: 52827, Start Num: 6

Candidate Starts for ViaConlectus_72:

(1, 52363), (2, 52402), (3, 52423), (5, 52522), (Start: 6 @52558 has 1 MA's), (9, 52660), (10, 52672), (13, 52741), (14, 52753), (15, 52792),

Gene: Zipp_73 Start: 54985, Stop: 55254, Start Num: 7

Candidate Starts for Zipp_73:

(1, 54787), (2, 54826), (3, 54847), (5, 54946), (Start: 7 @54985 has 3 MA's), (9, 55087), (10, 55099), (11, 55111), (13, 55168), (14, 55180), (15, 55219),