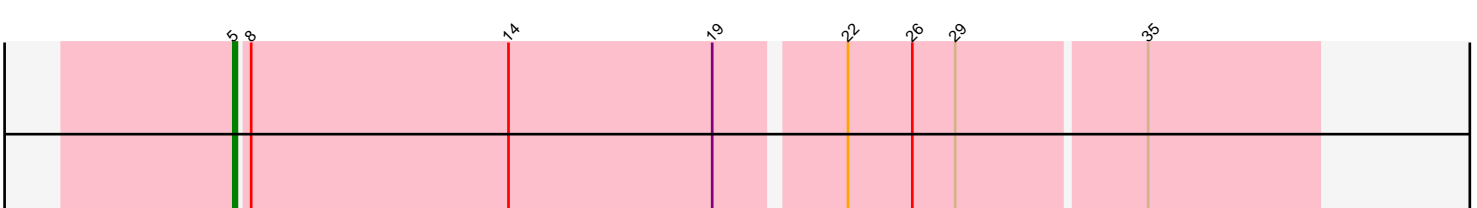
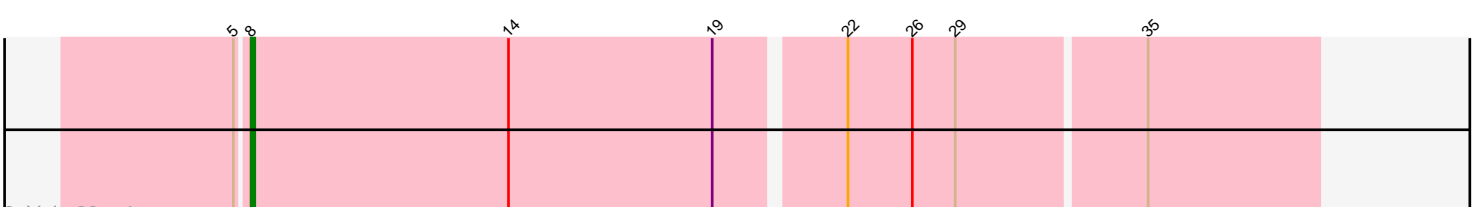
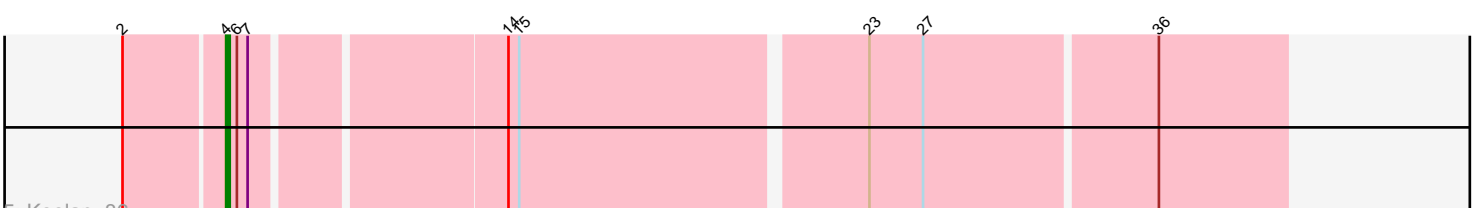
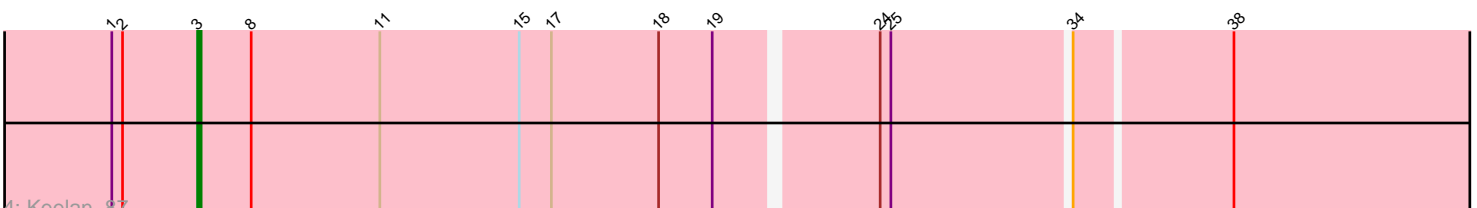
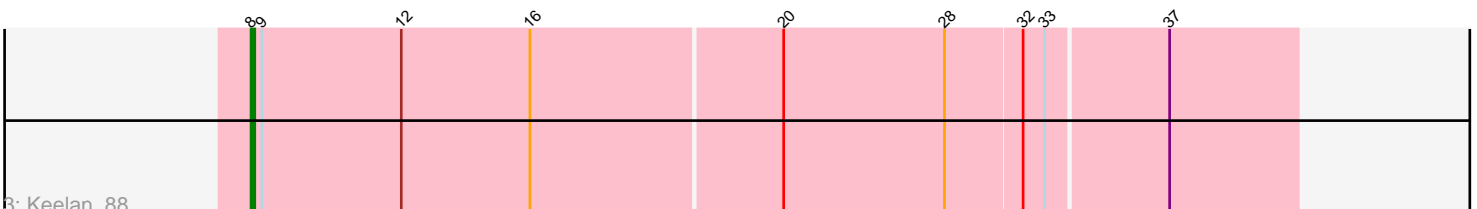
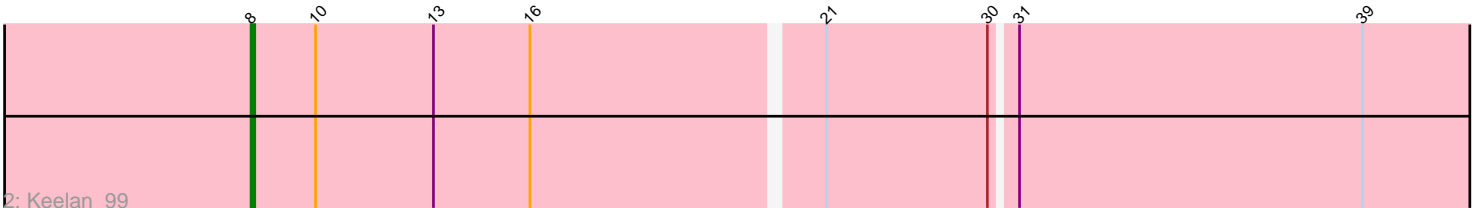
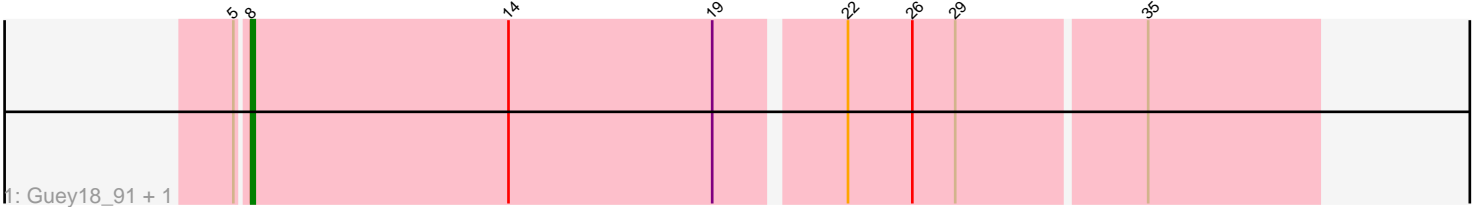


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 27922 Report

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

Pham number 27922 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Guey18_91, Ziko_89
- Track 2 : Keelan_99
- Track 3 : Keelan_88
- Track 4 : Keelan_87
- Track 5 : Keelan_86
- Track 6 : Volt_90, Fryberger_86
- Track 7 : Ronaldo_90

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

The start number called the most often in the published annotations is 8, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Fryberger_86, Guey18_91, Keelan_88, Keelan_99, Volt_90, Ziko_89,

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

- Keelan_87, Ronaldo_90,

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

- Keelan_86,

Summary by start number:

Start 3:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Keelan_87 (DP),

Start 4:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Keelan_86 (DP),

Start 5:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Ronaldo_90 (DP),

Start 8:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 6 of 9
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Fryberger_86 (DP), Guey18_91 (DP), Keelan_88 (DP), Keelan_99 (DP), Volt_90 (DP), Ziko_89 (DP),

Summary by clusters:

There is one cluster represented in this pham: DP

Info for manual annotations of cluster DP:

- Start number 3 was manually annotated 1 time for cluster DP.
- Start number 4 was manually annotated 1 time for cluster DP.
- Start number 5 was manually annotated 1 time for cluster DP.
- Start number 8 was manually annotated 6 times for cluster DP.

Gene Information:

Gene: Fryberger_86 Start: 45130, Stop: 45420, Start Num: 8

Candidate Starts for Fryberger_86:

(Start: 5 @45127 has 1 MA's), (Start: 8 @45130 has 6 MA's), (14, 45202), (19, 45259), (22, 45292), (26, 45310), (29, 45322), (35, 45373),

Gene: Guey18_91 Start: 46463, Stop: 46753, Start Num: 8

Candidate Starts for Guey18_91:

(Start: 5 @46460 has 1 MA's), (Start: 8 @46463 has 6 MA's), (14, 46535), (19, 46592), (22, 46625), (26, 46643), (29, 46655), (35, 46706),

Gene: Keelan_99 Start: 49825, Stop: 50160, Start Num: 8

Candidate Starts for Keelan_99:

(Start: 8 @49825 has 6 MA's), (10, 49843), (13, 49876), (16, 49903), (21, 49981), (30, 50026), (31, 50032), (39, 50128),

Gene: Keelan_88 Start: 46237, Stop: 46524, Start Num: 8

Candidate Starts for Keelan_88:

(Start: 8 @46237 has 6 MA's), (9, 46240), (12, 46279), (16, 46315), (20, 46384), (28, 46429), (32, 46450), (33, 46456), (37, 46489),

Gene: Keelan_87 Start: 45875, Stop: 46237, Start Num: 3

Candidate Starts for Keelan_87:

(1, 45851), (2, 45854), (Start: 3 @45875 has 1 MA's), (Start: 8 @45890 has 6 MA's), (11, 45926), (15, 45965), (17, 45974), (18, 46004), (19, 46019), (24, 46061), (25, 46064), (34, 46112), (38, 46154),

Gene: Keelan_86 Start: 45597, Stop: 45878, Start Num: 4

Candidate Starts for Keelan_86:

(2, 45570), (Start: 4 @45597 has 1 MA's), (6, 45600), (7, 45603), (14, 45669), (15, 45672), (23, 45765), (27, 45780), (36, 45843),

Gene: Ronaldo_90 Start: 46029, Stop: 46322, Start Num: 5

Candidate Starts for Ronaldo_90:

(Start: 5 @46029 has 1 MA's), (Start: 8 @46032 has 6 MA's), (14, 46104), (19, 46161), (22, 46194), (26, 46212), (29, 46224), (35, 46275),

Gene: Volt_90 Start: 46196, Stop: 46486, Start Num: 8

Candidate Starts for Volt_90:

(Start: 5 @46193 has 1 MA's), (Start: 8 @46196 has 6 MA's), (14, 46268), (19, 46325), (22, 46358), (26, 46376), (29, 46388), (35, 46439),

Gene: Ziko_89 Start: 46017, Stop: 46307, Start Num: 8

Candidate Starts for Ziko_89:

(Start: 5 @46014 has 1 MA's), (Start: 8 @46017 has 6 MA's), (14, 46089), (19, 46146), (22, 46179), (26, 46197), (29, 46209), (35, 46260),