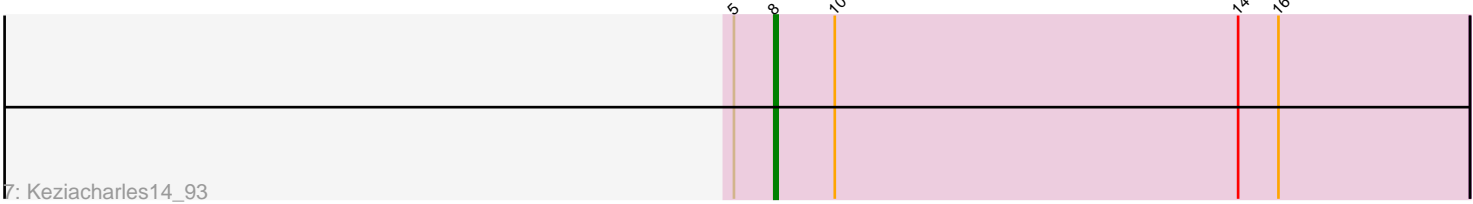
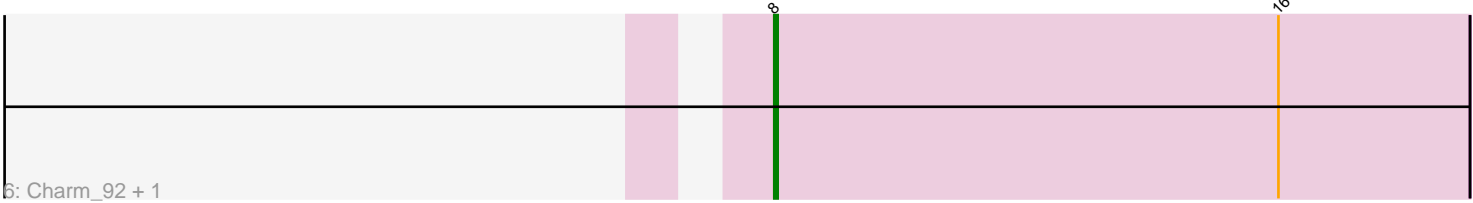
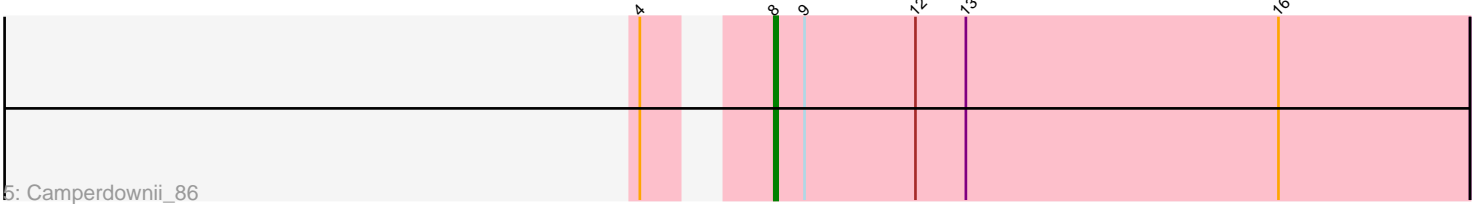
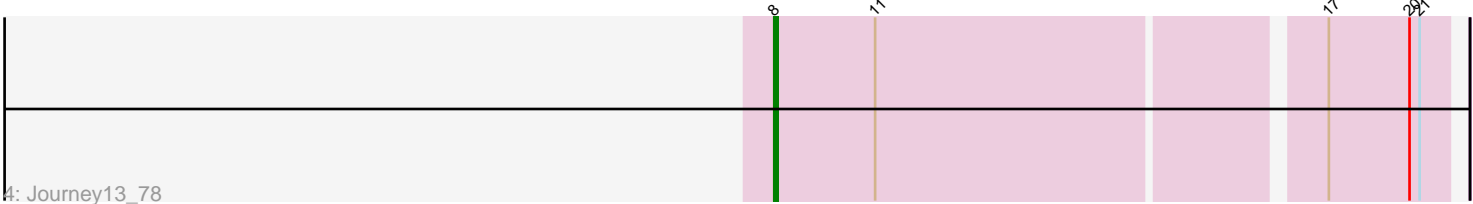
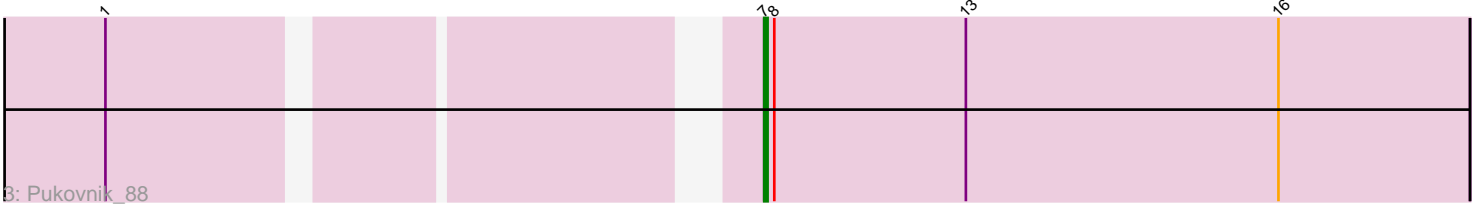
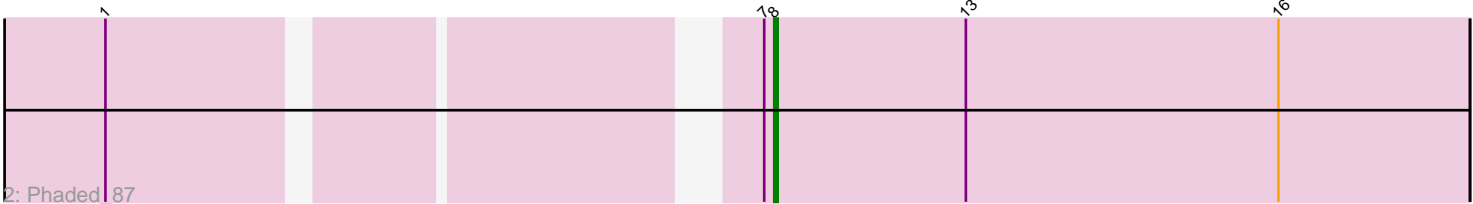
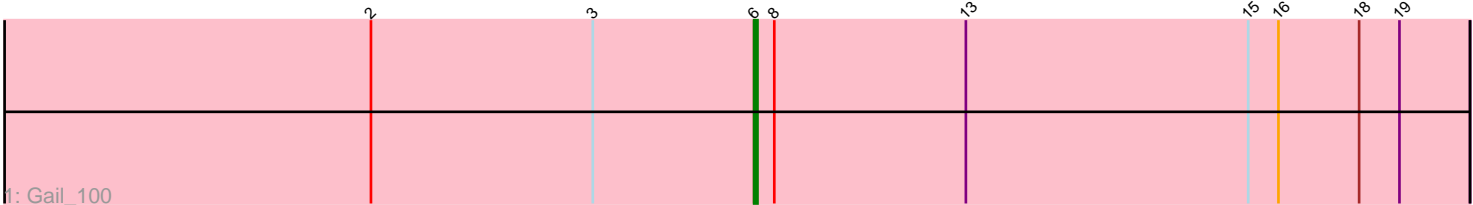


Pham 106932



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 106932 Report

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

Pham number 106932 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Gail_100
- Track 2 : Phaded_87
- Track 3 : Pukovnik_88
- Track 4 : Journey13_78
- Track 5 : Camperdownii_86
- Track 6 : Charm_92, SheaKeira_92
- Track 7 : Keziacharles14_93

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 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Camperdownii_86, Charm_92, Journey13_78, Keziacharles14_93, Phaded_87, SheaKeira_92,

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

- Gail_100, Pukovnik_88,

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

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Summary by start number:

Start 6:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gail_100 (A14),

Start 7:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 8

- Called 50.0% of time when present
- Phage (with cluster) where this start called: Pukovnik_88 (A2),

Start 8:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 8
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Camperdownii_86 (A4), Charm_92 (A9), Journey13_78 (A2), Keziacharles14_93 (A9), Phaded_87 (A2), SheaKeira_92 (A9),

Summary by clusters:

There are 4 clusters represented in this pham: A9, A14, A2, A4,

Info for manual annotations of cluster A14:

- Start number 6 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A2:

- Start number 7 was manually annotated 1 time for cluster A2.
- Start number 8 was manually annotated 2 times for cluster A2.

Info for manual annotations of cluster A4:

- Start number 8 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster A9:

- Start number 8 was manually annotated 3 times for cluster A9.

Gene Information:

Gene: Camperdownii_86 Start: 49758, Stop: 49552, Start Num: 8

Candidate Starts for Camperdownii_86:

(4, 49785), (Start: 8 @49758 has 6 MA's), (9, 49749), (12, 49716), (13, 49701), (16, 49608),

Gene: Charm_92 Start: 50751, Stop: 50545, Start Num: 8

Candidate Starts for Charm_92:

(Start: 8 @50751 has 6 MA's), (16, 50601),

Gene: Gail_100 Start: 51905, Stop: 51693, Start Num: 6

Candidate Starts for Gail_100:

(2, 52019), (3, 51953), (Start: 6 @51905 has 1 MA's), (Start: 8 @51899 has 6 MA's), (13, 51842), (15, 51758), (16, 51749), (18, 51725), (19, 51713),

Gene: Journey13_78 Start: 46526, Stop: 46335, Start Num: 8

Candidate Starts for Journey13_78:

(Start: 8 @46526 has 6 MA's), (11, 46496), (17, 46370), (20, 46346), (21, 46343),

Gene: Keziacharles14_93 Start: 51655, Stop: 51449, Start Num: 8

Candidate Starts for Keziacharles14_93:

(5, 51667), (Start: 8 @51655 has 6 MA's), (10, 51637), (14, 51517), (16, 51505),

Gene: Phaded_87 Start: 52094, Stop: 51888, Start Num: 8

Candidate Starts for Phaded_87:

(1, 52265), (Start: 7 @52097 has 1 MA's), (Start: 8 @52094 has 6 MA's), (13, 52037), (16, 51944),

Gene: Pukovnik_88 Start: 51407, Stop: 51198, Start Num: 7

Candidate Starts for Pukovnik_88:

(1, 51575), (Start: 7 @51407 has 1 MA's), (Start: 8 @51404 has 6 MA's), (13, 51347), (16, 51254),

Gene: SheaKeira_92 Start: 50634, Stop: 50428, Start Num: 8

Candidate Starts for SheaKeira_92:

(Start: 8 @50634 has 6 MA's), (16, 50484),