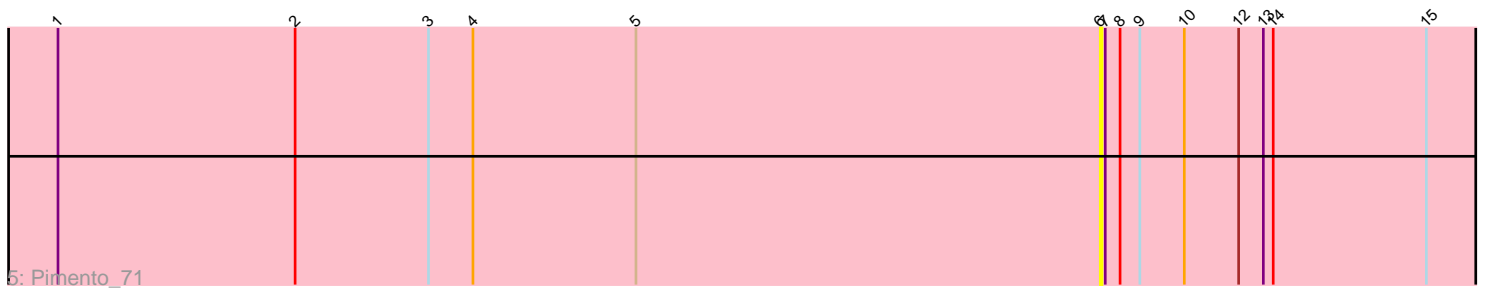
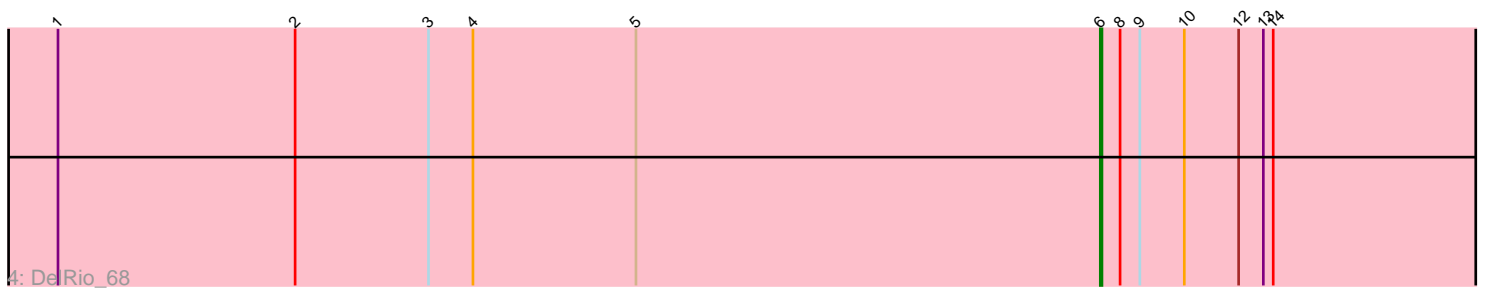
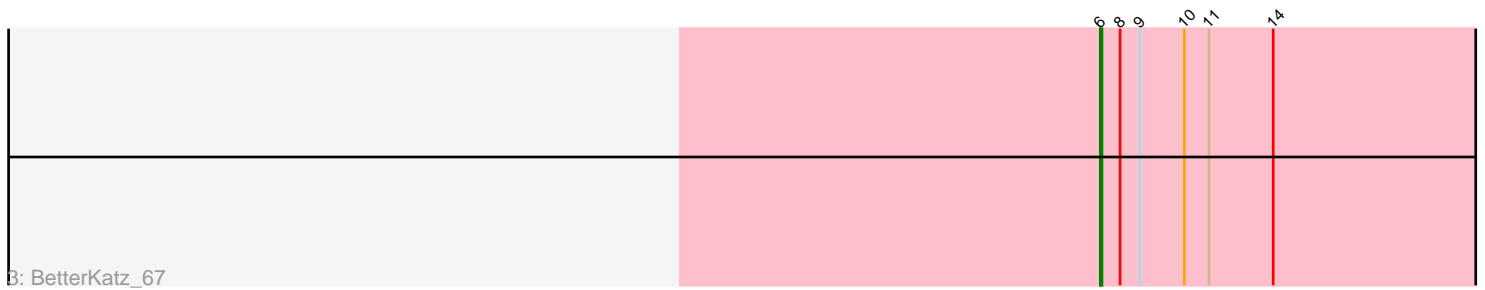
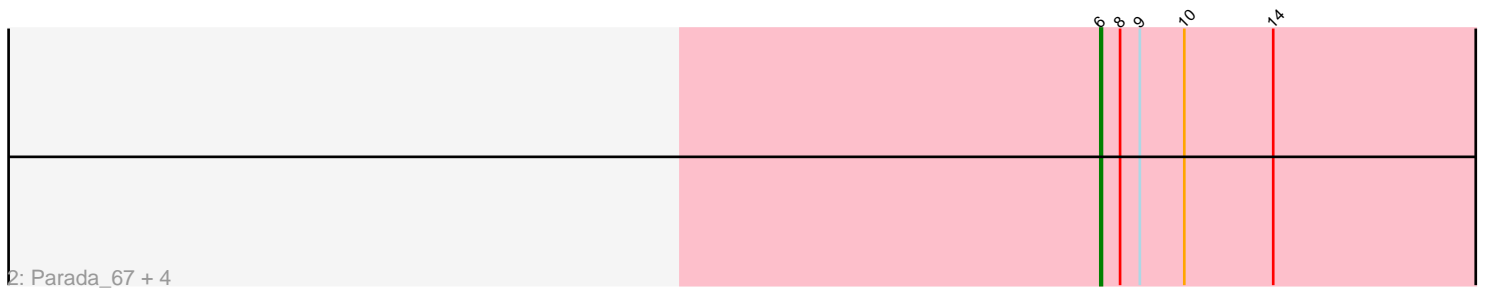
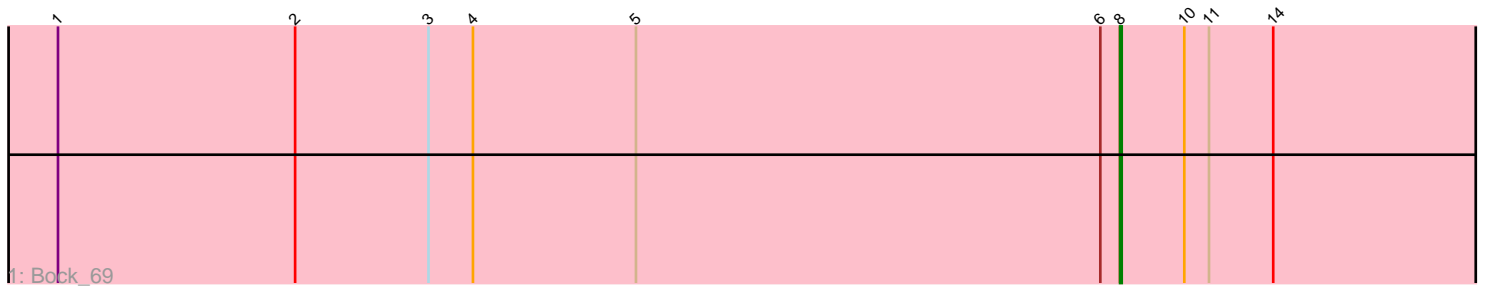


Pham 5995



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 5995 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5995 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Bock_69
- Track 2 : Parada_67, Mulch_67, Brylie_67, Nadeem_67, WheatThin_66
- Track 3 : BetterKatz_67
- Track 4 : DelRio_68
- Track 5 : Pimento_71

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

The start number called the most often in the published annotations is 6, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BetterKatz_67, Brylie_67, DelRio_68, Mulch_67, Nadeem_67, Parada_67, Pimento_71, WheatThin_66,

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

- Bock_69,

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

-

Summary by start number:

Start 6:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called 88.9% of time when present
- Phage (with cluster) where this start called: BetterKatz_67 (DI), Brylie_67 (DI), DelRio_68 (DI), Mulch_67 (DI), Nadeem_67 (DI), Parada_67 (DI), Pimento_71 (DI), WheatThin_66 (DI),

Start 8:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 8

- Called 11.1% of time when present
- Phage (with cluster) where this start called: Bock_69 (DI),

Summary by clusters:

There is one cluster represented in this pham: DI

Info for manual annotations of cluster DI:

- Start number 6 was manually annotated 7 times for cluster DI.
- Start number 8 was manually annotated 1 time for cluster DI.

Gene Information:

Gene: BetterKatz_67 Start: 43478, Stop: 43714, Start Num: 6

Candidate Starts for BetterKatz_67:

(Start: 6 @43478 has 7 MA's), (Start: 8 @43490 has 1 MA's), (9, 43502), (10, 43529), (11, 43544), (14, 43583),

Gene: Bock_69 Start: 43734, Stop: 43958, Start Num: 8

Candidate Starts for Bock_69:

(1, 43089), (2, 43233), (3, 43314), (4, 43341), (5, 43440), (Start: 6 @43722 has 7 MA's), (Start: 8 @43734 has 1 MA's), (10, 43773), (11, 43788), (14, 43827),

Gene: Brylie_67 Start: 43301, Stop: 43537, Start Num: 6

Candidate Starts for Brylie_67:

(Start: 6 @43301 has 7 MA's), (Start: 8 @43313 has 1 MA's), (9, 43325), (10, 43352), (14, 43406),

Gene: DelRio_68 Start: 44488, Stop: 44724, Start Num: 6

Candidate Starts for DelRio_68:

(1, 43855), (2, 43999), (3, 44080), (4, 44107), (5, 44206), (Start: 6 @44488 has 7 MA's), (Start: 8 @44500 has 1 MA's), (9, 44512), (10, 44539), (12, 44572), (13, 44587), (14, 44593),

Gene: Mulch_67 Start: 43301, Stop: 43537, Start Num: 6

Candidate Starts for Mulch_67:

(Start: 6 @43301 has 7 MA's), (Start: 8 @43313 has 1 MA's), (9, 43325), (10, 43352), (14, 43406),

Gene: Nadeem_67 Start: 43289, Stop: 43525, Start Num: 6

Candidate Starts for Nadeem_67:

(Start: 6 @43289 has 7 MA's), (Start: 8 @43301 has 1 MA's), (9, 43313), (10, 43340), (14, 43394),

Gene: Parada_67 Start: 43301, Stop: 43537, Start Num: 6

Candidate Starts for Parada_67:

(Start: 6 @43301 has 7 MA's), (Start: 8 @43313 has 1 MA's), (9, 43325), (10, 43352), (14, 43406),

Gene: Pimento_71 Start: 43420, Stop: 43656, Start Num: 6

Candidate Starts for Pimento_71:

(1, 42787), (2, 42931), (3, 43012), (4, 43039), (5, 43138), (Start: 6 @43420 has 7 MA's), (7, 43423), (Start: 8 @43432 has 1 MA's), (9, 43444), (10, 43471), (12, 43504), (13, 43519), (14, 43525), (15, 43618),

Gene: WheatThin_66 Start: 43289, Stop: 43525, Start Num: 6

Candidate Starts for WheatThin_66:

(Start: 6 @43289 has 7 MA's), (Start: 8 @43301 has 1 MA's), (9, 43313), (10, 43340), (14, 43394),