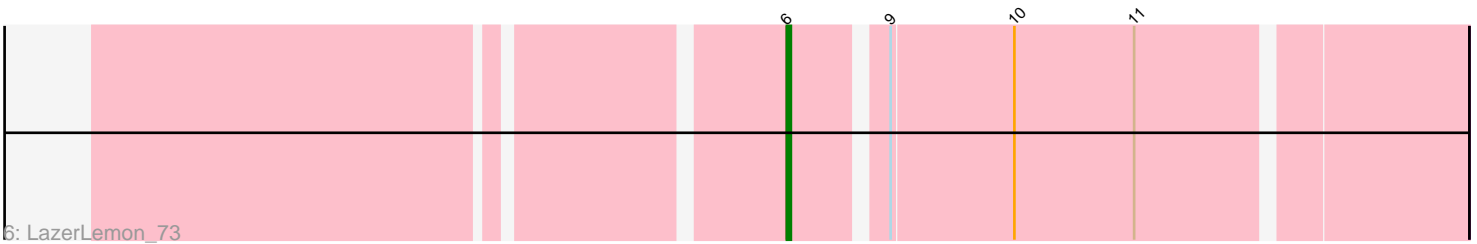
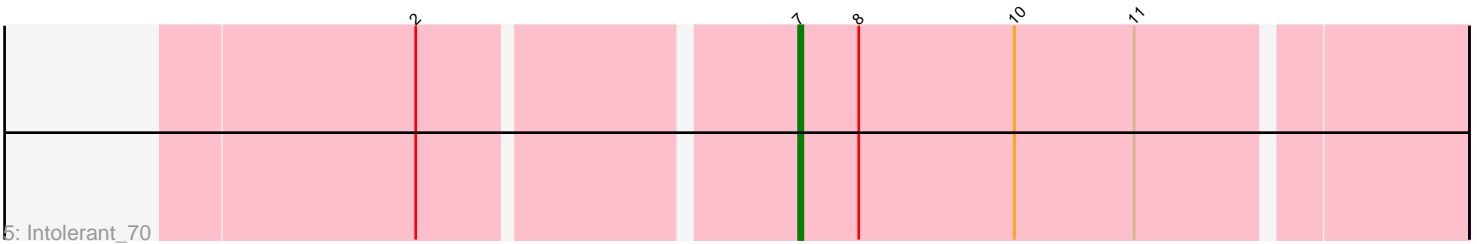
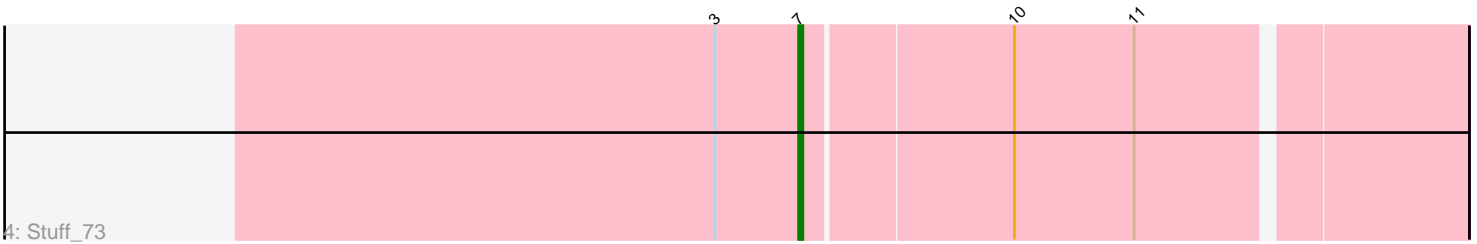
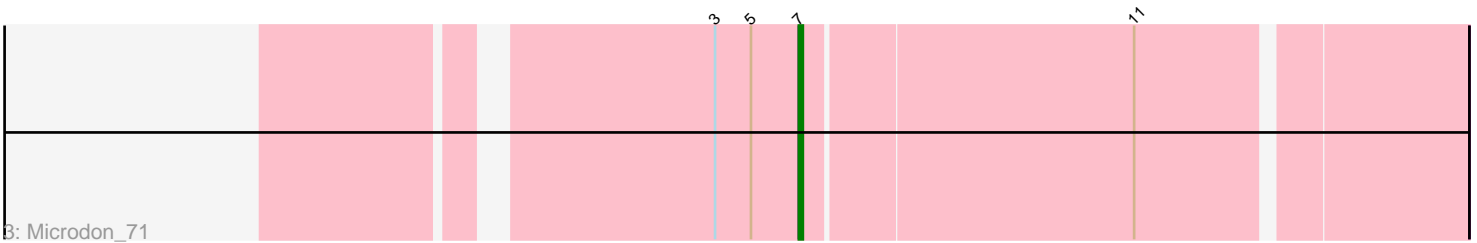
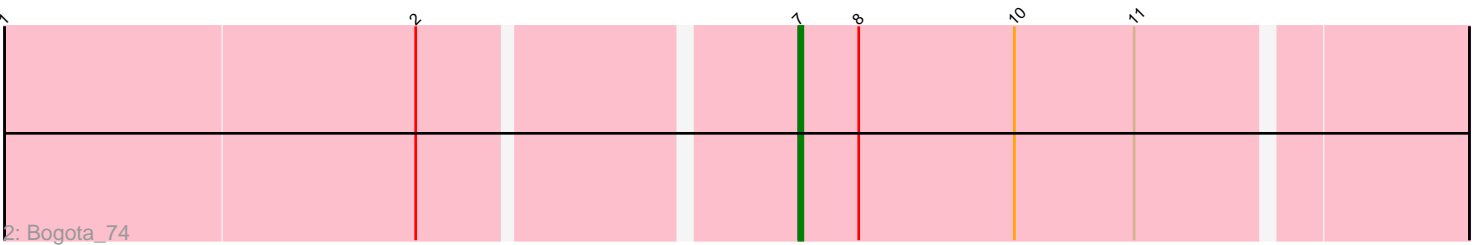
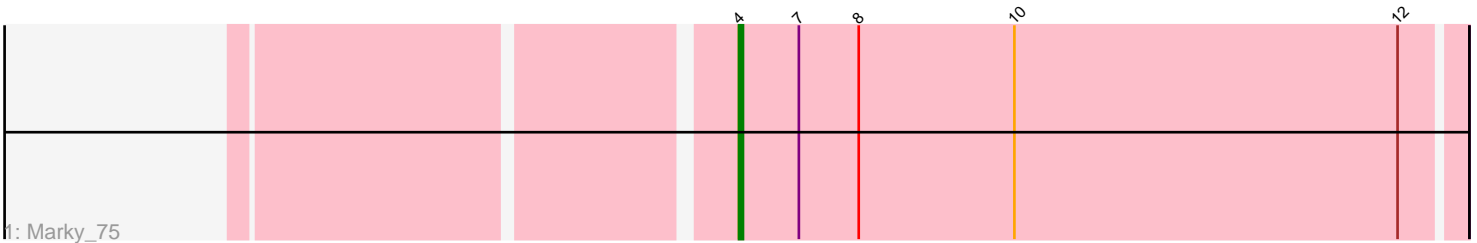


Pham 88189



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 88189 Report

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

Pham number 88189 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Marky_75
- Track 2 : Bogota_74
- Track 3 : Microdon_71
- Track 4 : Stuff_73
- Track 5 : Intolerant_70
- Track 6 : LazerLemon_73

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

The start number called the most often in the published annotations is 7, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bogota_74, Intolerant_70, Microdon_71, Stuff_73,

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

- Marky_75,

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

- LazerLemon_73,

Summary by start number:

Start 4:

- 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: Marky_75 (BH),

Start 6:

- 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: LazerLemon_73 (BH),

Start 7:

- Found in 5 of 6 (83.3%) of genes in pham
- Manual Annotations of this start: 4 of 6
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Bogota_74 (BH), Intolerant_70 (BH), Microdon_71 (BH), Stuff_73 (BH),

Summary by clusters:

There is one cluster represented in this pham: BH

Info for manual annotations of cluster BH:

- Start number 4 was manually annotated 1 time for cluster BH.
- Start number 6 was manually annotated 1 time for cluster BH.
- Start number 7 was manually annotated 4 times for cluster BH.

Gene Information:

Gene: Bogota_74 Start: 50097, Stop: 50258, Start Num: 7

Candidate Starts for Bogota_74:

(1, 49908), (2, 50010), (Start: 7 @50097 has 4 MA's), (8, 50112), (10, 50151), (11, 50181),

Gene: Intolerant_70 Start: 49694, Stop: 49855, Start Num: 7

Candidate Starts for Intolerant_70:

(2, 49607), (Start: 7 @49694 has 4 MA's), (8, 49709), (10, 49748), (11, 49778),

Gene: LazerLemon_73 Start: 50396, Stop: 50554, Start Num: 6

Candidate Starts for LazerLemon_73:

(Start: 6 @50396 has 1 MA's), (9, 50417), (10, 50447), (11, 50477),

Gene: Marky_75 Start: 50008, Stop: 50187, Start Num: 4

Candidate Starts for Marky_75:

(Start: 4 @50008 has 1 MA's), (Start: 7 @50023 has 4 MA's), (8, 50038), (10, 50077), (12, 50173),

Gene: Microdon_71 Start: 49200, Stop: 49358, Start Num: 7

Candidate Starts for Microdon_71:

(3, 49179), (5, 49188), (Start: 7 @49200 has 4 MA's), (11, 49281),

Gene: Stuff_73 Start: 50069, Stop: 50227, Start Num: 7

Candidate Starts for Stuff_73:

(3, 50048), (Start: 7 @50069 has 4 MA's), (10, 50120), (11, 50150),