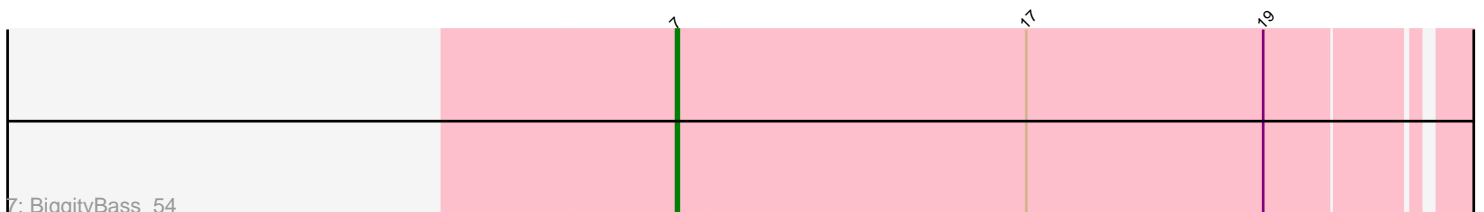
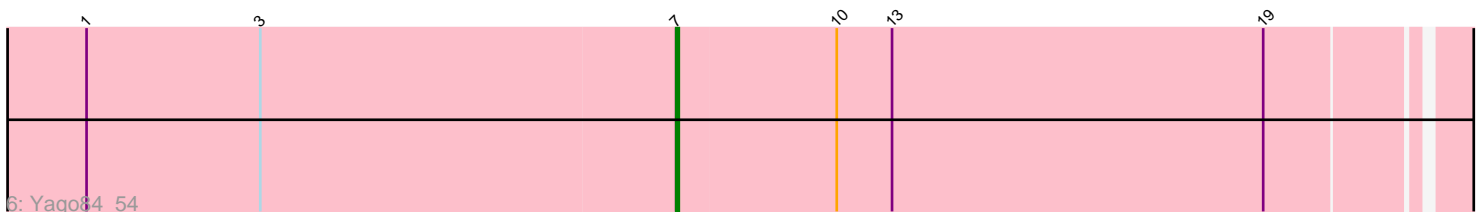
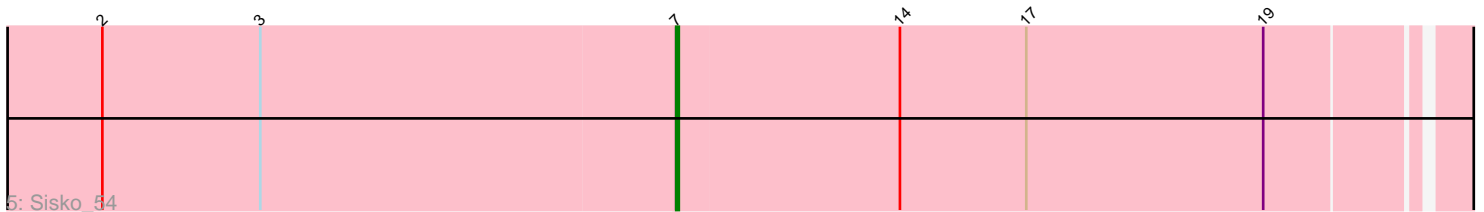
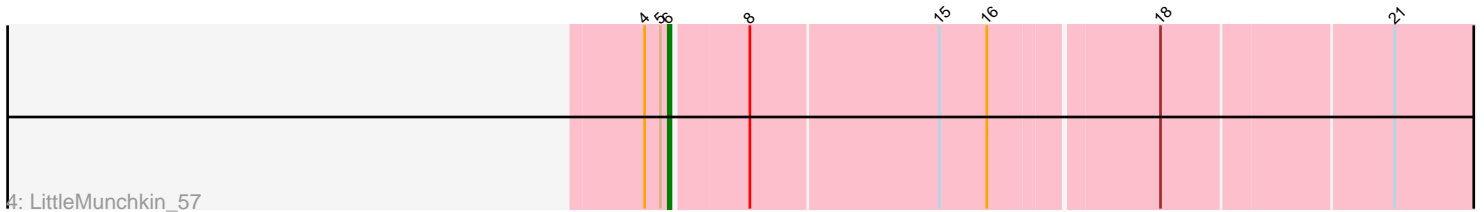
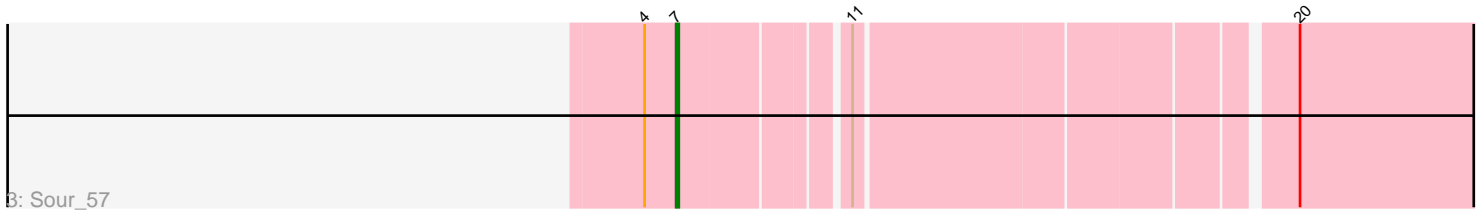
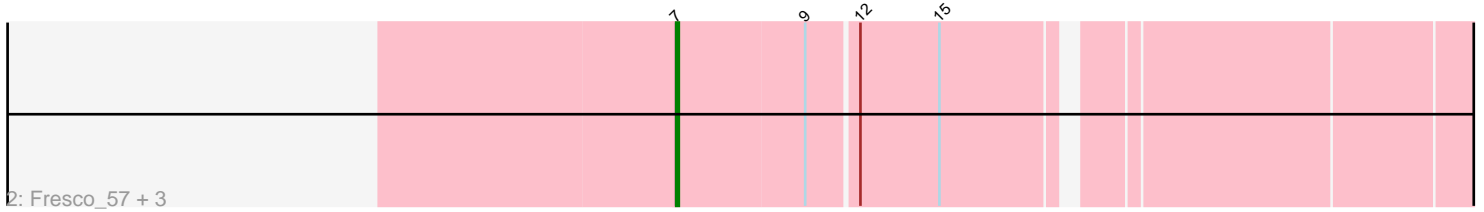
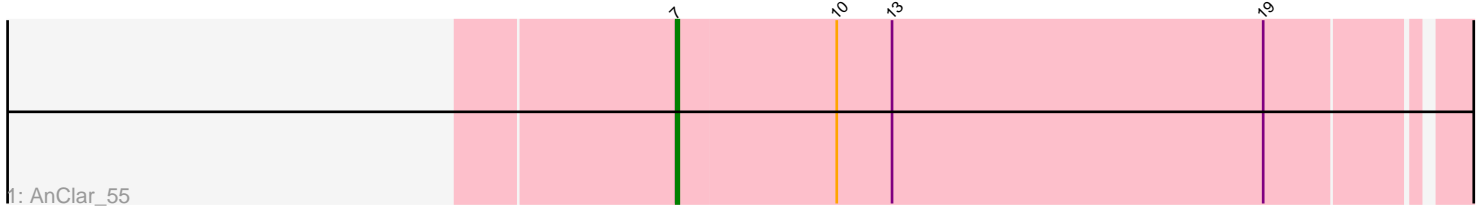


Pham 179588



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 179588 Report

This analysis was run 11/02/24 on database version 579.

Pham number 179588 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : AnClar\_55
- Track 2 : Fresco\_57, Axumite\_57, Ligma\_57, Shatter\_57
- Track 3 : Sour\_57
- Track 4 : LittleMunchkin\_57
- Track 5 : Sisko\_54
- Track 6 : Yago84\_54
- Track 7 : BiggityBass\_54

### ***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 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AnClar\_55, Axumite\_57, BiggityBass\_54, Fresco\_57, Ligma\_57, Shatter\_57, Sisko\_54, Sour\_57, Yago84\_54,

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

- 

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

- LittleMunchkin\_57,

### **Summary by start number:**

Start 6:

- Found in 1 of 10 ( 10.0% ) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LittleMunchkin\_57 (DR),

Start 7:

- Found in 9 of 10 ( 90.0% ) of genes in pham
- Manual Annotations of this start: 9 of 10

- Called 100.0% of time when present
- Phage (with cluster) where this start called: AnClar\_55 (DR), Axumite\_57 (DR), BiggityBass\_54 (DR), Fresco\_57 (DR), Ligma\_57 (DR), Shatter\_57 (DR), Sisko\_54 (DR), Sour\_57 (DR), Yago84\_54 (DR),

### **Summary by clusters:**

There is one cluster represented in this pham: DR

Info for manual annotations of cluster DR:

- Start number 6 was manually annotated 1 time for cluster DR.
- Start number 7 was manually annotated 9 times for cluster DR.

### **Gene Information:**

Gene: AnClar\_55 Start: 49921, Stop: 49628, Start Num: 7

Candidate Starts for AnClar\_55:

(Start: 7 @49921 has 9 MA's), (10, 49861), (13, 49840), (19, 49699),

Gene: Axumite\_57 Start: 48183, Stop: 47899, Start Num: 7

Candidate Starts for Axumite\_57:

(Start: 7 @48183 has 9 MA's), (9, 48135), (12, 48117), (15, 48087),

Gene: BiggityBass\_54 Start: 49280, Stop: 48987, Start Num: 7

Candidate Starts for BiggityBass\_54:

(Start: 7 @49280 has 9 MA's), (17, 49148), (19, 49058),

Gene: Fresco\_57 Start: 48183, Stop: 47899, Start Num: 7

Candidate Starts for Fresco\_57:

(Start: 7 @48183 has 9 MA's), (9, 48135), (12, 48117), (15, 48087),

Gene: Ligma\_57 Start: 48183, Stop: 47899, Start Num: 7

Candidate Starts for Ligma\_57:

(Start: 7 @48183 has 9 MA's), (9, 48135), (12, 48117), (15, 48087),

Gene: LittleMunchkin\_57 Start: 50529, Stop: 50236, Start Num: 6

Candidate Starts for LittleMunchkin\_57:

(4, 50538), (5, 50532), (Start: 6 @50529 has 1 MA's), (8, 50502), (15, 50433), (16, 50415), (18, 50355), (21, 50271),

Gene: Shatter\_57 Start: 48183, Stop: 47899, Start Num: 7

Candidate Starts for Shatter\_57:

(Start: 7 @48183 has 9 MA's), (9, 48135), (12, 48117), (15, 48087),

Gene: Sisko\_54 Start: 47905, Stop: 47612, Start Num: 7

Candidate Starts for Sisko\_54:

(2, 48121), (3, 48061), (Start: 7 @47905 has 9 MA's), (14, 47821), (17, 47773), (19, 47683),

Gene: Sour\_57 Start: 50612, Stop: 50331, Start Num: 7

Candidate Starts for Sour\_57:

(4, 50624), (Start: 7 @50612 has 9 MA's), (11, 50555), (20, 50402),

Gene: Yago84\_54 Start: 47998, Stop: 47705, Start Num: 7

Candidate Starts for Yago84\_54:

(1, 48220), (3, 48154), (Start: 7 @47998 has 9 MA's), (10, 47938), (13, 47917), (19, 47776),