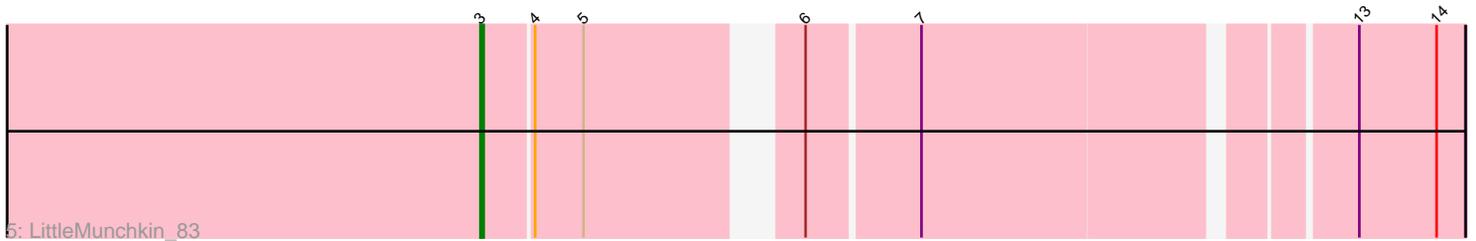
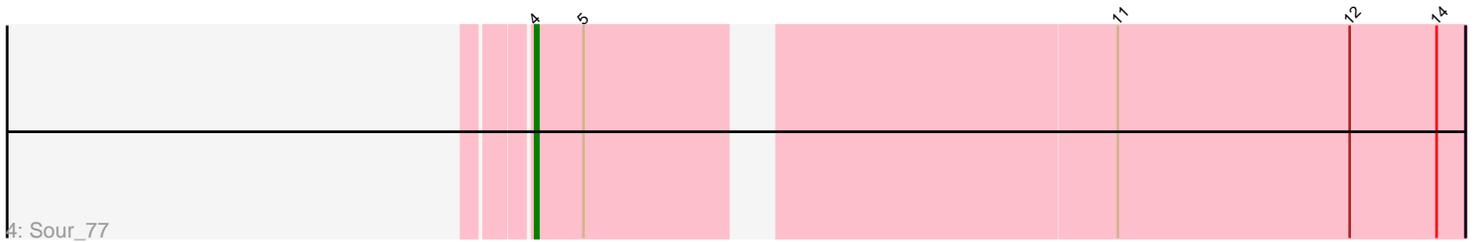
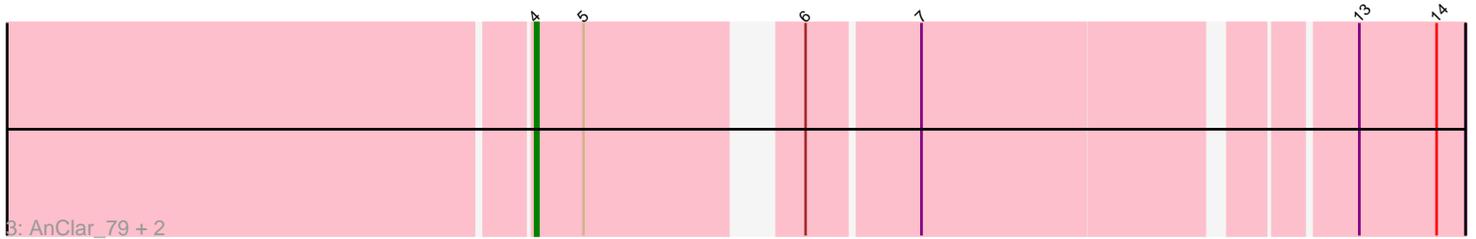
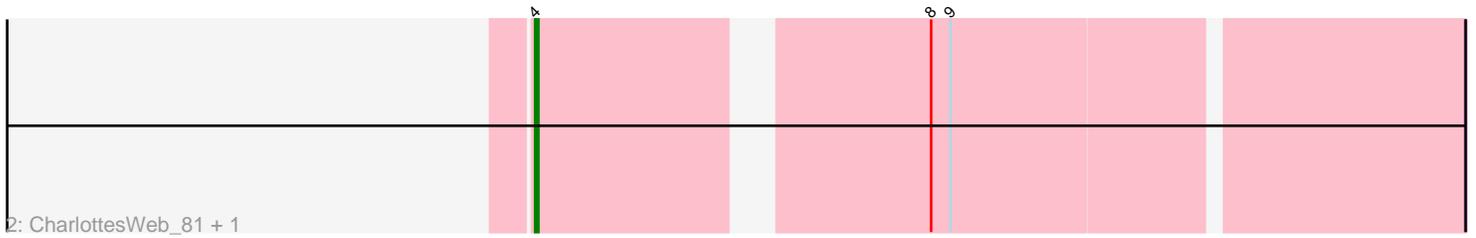


Pham 291710



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 291710 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291710 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Fresco\_85, Axumite\_85, Shatter\_85, Ligma\_85
- Track 2 : CharlottesWeb\_81, Mariokart\_81
- Track 3 : AnClar\_79, Yago84\_81, Sisko\_82
- Track 4 : Sour\_77
- Track 5 : LittleMunchkin\_83
- Track 6 : BiggityBass\_82

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

The start number called the most often in the published annotations is 4, it was called in 9 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AnClar\_79, Axumite\_85, CharlottesWeb\_81, Fresco\_85, Ligma\_85, Mariokart\_81, Shatter\_85, Sisko\_82, Sour\_77, Yago84\_81,

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

- BiggityBass\_82, LittleMunchkin\_83,

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

- 

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

Start 2:

- Found in 1 of 12 ( 8.3% ) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BiggityBass\_82 (DR),

Start 3:

- Found in 1 of 12 ( 8.3% ) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present

- Phage (with cluster) where this start called: LittleMunchkin\_83 (DR),

Start 4:

- Found in 12 of 12 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 9 of 11
- Called 83.3% of time when present
- Phage (with cluster) where this start called: AnClar\_79 (DR), Axumite\_85 (DR), CharlottesWeb\_81 (DR), Fresco\_85 (DR), Ligma\_85 (DR), Mariokart\_81 (DR), Shatter\_85 (DR), Sisko\_82 (DR), Sour\_77 (DR), Yago84\_81 (DR),

### **Summary by clusters:**

There is one cluster represented in this pham: DR

Info for manual annotations of cluster DR:

- Start number 2 was manually annotated 1 time for cluster DR.
- Start number 3 was manually annotated 1 time for cluster DR.
- Start number 4 was manually annotated 9 times for cluster DR.

### **Gene Information:**

Gene: AnClar\_79 Start: 61333, Stop: 61076, Start Num: 4

Candidate Starts for AnClar\_79:

(Start: 4 @61333 has 9 MA's), (5, 61318), (6, 61264), (7, 61231), (13, 61108), (14, 61084),

Gene: Axumite\_85 Start: 61188, Stop: 60922, Start Num: 4

Candidate Starts for Axumite\_85:

(1, 61320), (Start: 4 @61188 has 9 MA's), (9, 61074),

Gene: BiggityBass\_82 Start: 62678, Stop: 62391, Start Num: 2

Candidate Starts for BiggityBass\_82:

(Start: 2 @62678 has 1 MA's), (Start: 4 @62663 has 9 MA's), (7, 62558), (10, 62525),

Gene: CharlottesWeb\_81 Start: 59991, Stop: 59725, Start Num: 4

Candidate Starts for CharlottesWeb\_81:

(Start: 4 @59991 has 9 MA's), (8, 59883), (9, 59877),

Gene: Fresco\_85 Start: 61194, Stop: 60928, Start Num: 4

Candidate Starts for Fresco\_85:

(1, 61326), (Start: 4 @61194 has 9 MA's), (9, 61080),

Gene: Ligma\_85 Start: 61188, Stop: 60922, Start Num: 4

Candidate Starts for Ligma\_85:

(1, 61320), (Start: 4 @61188 has 9 MA's), (9, 61074),

Gene: LittleMunchkin\_83 Start: 62693, Stop: 62421, Start Num: 3

Candidate Starts for LittleMunchkin\_83:

(Start: 3 @62693 has 1 MA's), (Start: 4 @62678 has 9 MA's), (5, 62663), (6, 62609), (7, 62576), (13, 62453), (14, 62429),

Gene: Mariokart\_81 Start: 60229, Stop: 59963, Start Num: 4

Candidate Starts for Mariokart\_81:

(Start: 4 @60229 has 9 MA's), (8, 60121), (9, 60115),

Gene: Shatter\_85 Start: 61188, Stop: 60922, Start Num: 4

Candidate Starts for Shatter\_85:

(1, 61320), (Start: 4 @61188 has 9 MA's), (9, 61074),

Gene: Sisko\_82 Start: 61674, Stop: 61402, Start Num: 4

Candidate Starts for Sisko\_82:

(Start: 4 @61674 has 9 MA's), (5, 61659), (6, 61590), (7, 61557), (13, 61434), (14, 61410),

Gene: Sour\_77 Start: 61148, Stop: 60876, Start Num: 4

Candidate Starts for Sour\_77:

(Start: 4 @61148 has 9 MA's), (5, 61133), (11, 60983), (12, 60911), (14, 60884),

Gene: Yago84\_81 Start: 61367, Stop: 61110, Start Num: 4

Candidate Starts for Yago84\_81:

(Start: 4 @61367 has 9 MA's), (5, 61352), (6, 61298), (7, 61265), (13, 61142), (14, 61118),