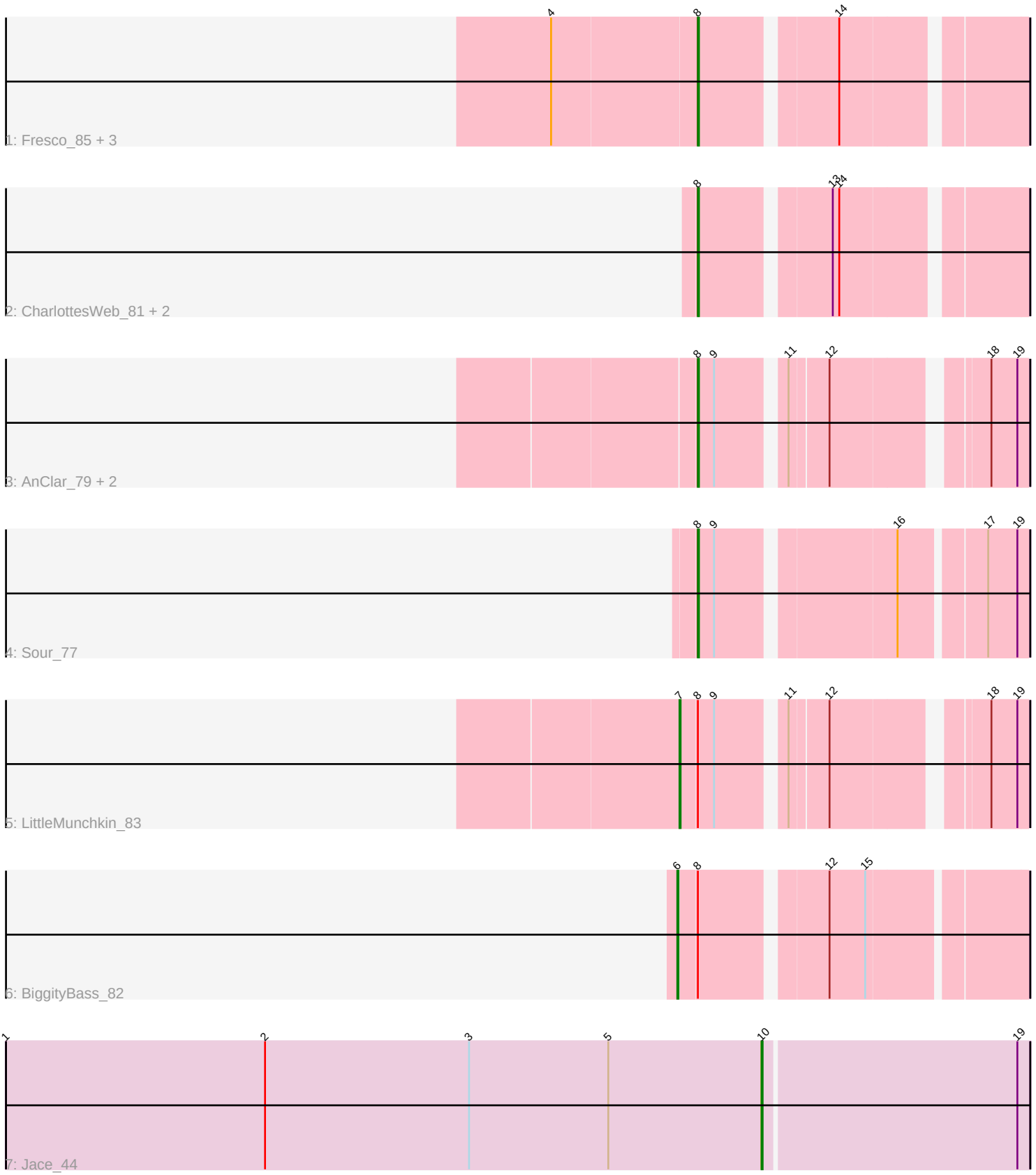
Pham 297088


4
8
14
1: Fresco_85 + 3
8
13
14
2: CharlottesWeb_81 + 2
8
9
11
12
18
19
3: AnClar_79 + 2
8
9
16
17
19
4: Sour_77
7
8
9
11
12
18
19
5: LittleMunchkin_83
6
8
12
15
6: BiggityBass_82
1
2
3
5
10
19
7: Jace_44

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 297088 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297088 has 14 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Fresco_85, Axumite_85, Shatter_85, Ligma_85
• Track 2 : CharlottesWeb_81, Mariokart_81, JellyBelly_80
• Track 3 : AnClar_79, Yago84_81, Sisko_82
• Track 4 : Sour_77
• Track 5 : LittleMunchkin_83
• Track 6 : BiggityBass_82
• Track 7 : Jace_44

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 9 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnClar_79, Axumite_85, CharlottesWeb_81, Fresco_85, JellyBelly_80, 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:
• Jace_44,

Summary by start number:

Start 6:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BiggityBass_82 (DR),

Start 7:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 12

• Called 100.0% of time when present
• Phage (with cluster) where this start called: LittleMunchkin_83 (DR),

Start 8:
• Found in 13 of 14 (92.9%) of genes in pham
• Manual Annotations of this start: 9 of 12
• Called 84.6% of time when present
• Phage (with cluster) where this start called: AnClar_79 (DR), Axumite_85 (DR), CharlottesWeb_81 (DR), Fresco_85 (DR), JellyBelly_80 (DR), Ligma_85 (DR), Mariokart_81 (DR), Shatter_85 (DR), Sisko_82 (DR), Sour_77 (DR), Yago84_81 (DR),

Start 10:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jace_44 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, 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 1 time for cluster DR.
•Start number 8 was manually annotated 9 times for cluster DR.

Gene Information:

Gene: AnClar_79 Start: 61333, Stop: 61076, Start Num: 8
Candidate Starts for AnClar_79:
(Start: 8 @61333 has 9 MA's), (9, 61318), (11, 61264), (12, 61231), (18, 61108), (19, 61084),

Gene: Axumite_85 Start: 61188, Stop: 60922, Start Num: 8
Candidate Starts for Axumite_85:
(4, 61320), (Start: 8 @61188 has 9 MA's), (14, 61074),

Gene: BiggityBass_82 Start: 62678, Stop: 62391, Start Num: 6
Candidate Starts for BiggityBass_82:
(Start: 6 @62678 has 1 MA's), (Start: 8 @62663 has 9 MA's), (12, 62558), (15, 62525),

Gene: CharlottesWeb_81 Start: 59991, Stop: 59725, Start Num: 8
Candidate Starts for CharlottesWeb_81:
(Start: 8 @59991 has 9 MA's), (13, 59883), (14, 59877),

Gene: Fresco_85 Start: 61194, Stop: 60928, Start Num: 8
Candidate Starts for Fresco_85:
(4, 61326), (Start: 8 @61194 has 9 MA's), (14, 61080),

Gene: Jace_44 Start: 31248, Stop: 31490, Start Num: 10
Candidate Starts for Jace_44:

(1, 30549), (2, 30789), (3, 30978), (5, 31107), (Start: 10 @31248 has 1 MA's), (19, 31479),

Gene: JellyBelly_80 Start: 60000, Stop: 59734, Start Num: 8
Candidate Starts for JellyBelly_80:
(Start: 8 @60000 has 9 MA's), (13, 59892), (14, 59886),

Gene: Ligma_85 Start: 61188, Stop: 60922, Start Num: 8
Candidate Starts for Ligma_85:
(4, 61320), (Start: 8 @61188 has 9 MA's), (14, 61074),

Gene: LittleMunchkin_83 Start: 62693, Stop: 62421, Start Num: 7
Candidate Starts for LittleMunchkin_83:
(Start: 7 @62693 has 1 MA's), (Start: 8 @62678 has 9 MA's), (9, 62663), (11, 62609), (12, 62576), (18, 62453), (19, 62429),

Gene: Mariokart_81 Start: 60229, Stop: 59963, Start Num: 8
Candidate Starts for Mariokart_81:
(Start: 8 @60229 has 9 MA's), (13, 60121), (14, 60115),

Gene: Shatter_85 Start: 61188, Stop: 60922, Start Num: 8
Candidate Starts for Shatter_85:
(4, 61320), (Start: 8 @61188 has 9 MA's), (14, 61074),

Gene: Sisko_82 Start: 61674, Stop: 61402, Start Num: 8
Candidate Starts for Sisko_82:
(Start: 8 @61674 has 9 MA's), (9, 61659), (11, 61590), (12, 61557), (18, 61434), (19, 61410),

Gene: Sour_77 Start: 61148, Stop: 60876, Start Num: 8
Candidate Starts for Sour_77:
(Start: 8 @61148 has 9 MA's), (9, 61133), (16, 60983), (17, 60911), (19, 60884),

Gene: Yago84_81 Start: 61367, Stop: 61110, Start Num: 8
Candidate Starts for Yago84_81:
(Start: 8 @61367 has 9 MA's), (9, 61352), (11, 61298), (12, 61265), (18, 61142), (19, 61118),