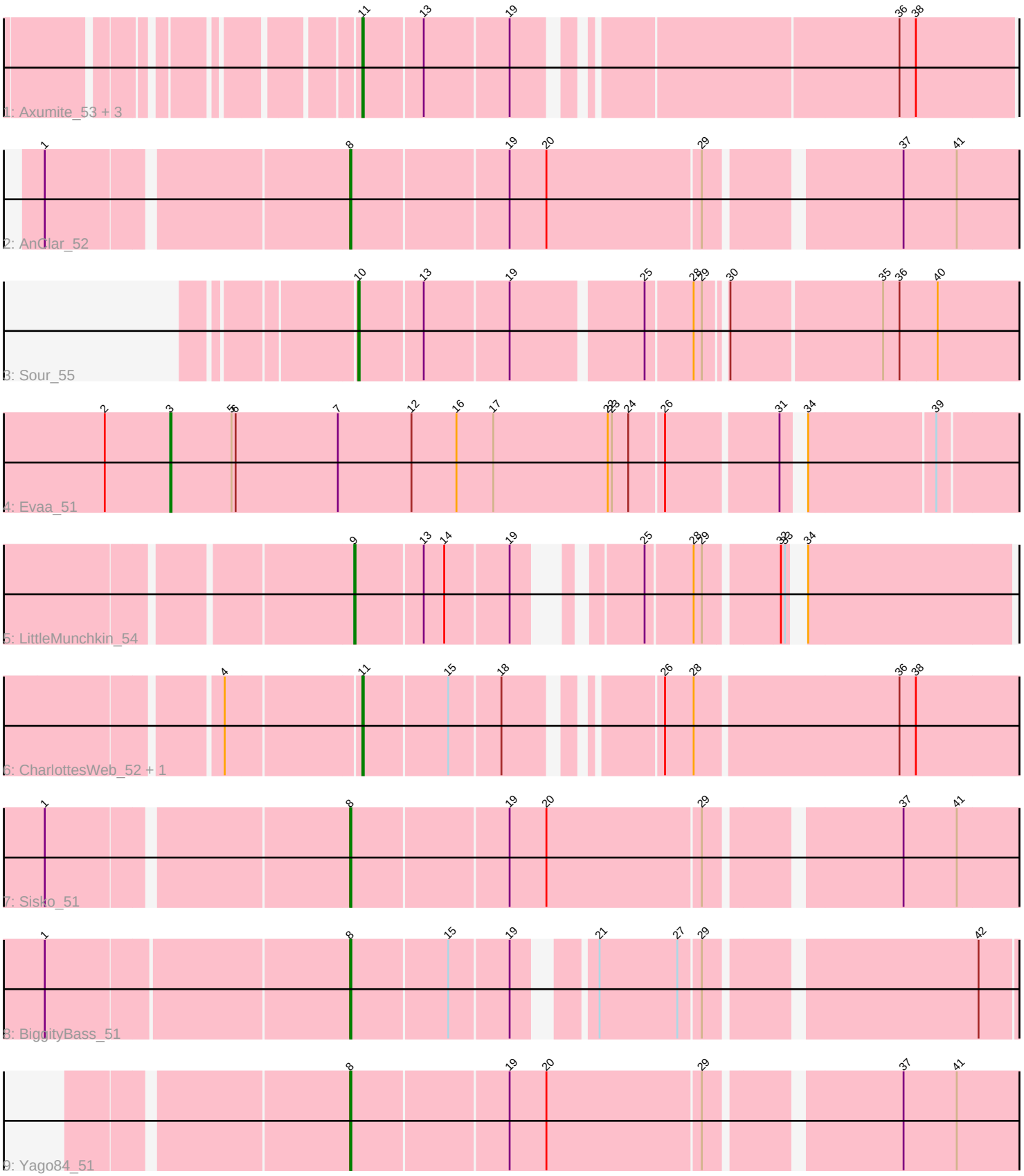
Pham 200760


11
13
19
36
38
1: Axumite_53 + 3
1
8
19
20
29
37
41
2: AnGlar_52
10
13
19
25
28
29
30
35
36
40
3: Sour_55
2
3
5
6
7
12
16
17
22
23
24
26
31
34
39
4: Evaa_51
9
13
14
19
25
28
29
33
34
5: LittleMunchkin_54
4
11
15
18
26
28
36
38
6: CharlottesWeb_52 + 1
1
8
19
20
29
37
41
7: Sisko_51
1
8
15
19
21
27
29
42
8: BiggityBass_51
8
19
20
29
37
41
9: Yago84_51

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 200760 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200760 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Axumite_53, Fresco_53, Ligma_53, Shatter_53
• Track 2 : AnClar_52
• Track 3 : Sour_55
• Track 4 : Evaa_51
• Track 5 : LittleMunchkin_54
• Track 6 : CharlottesWeb_52, Mariokart_52
• Track 7 : Sisko_51
• Track 8 : BiggityBass_51
• Track 9 : Yago84_51

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

The start number called the most often in the published annotations is 11, it was called in 5 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Axumite_53, CharlottesWeb_52, Fresco_53, Ligma_53, Mariokart_52, Shatter_53,

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

Genes that do not have the "Most Annotated" start:
• AnClar_52, BiggityBass_51, Evaa_51, LittleMunchkin_54, Sisko_51, Sour_55, Yago84_51,

Summary by start number:

Start 3:
• Found in 1 of 13 (7.7%) 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: Evaa_51 (DR),

Start 8:

• Found in 4 of 13 (30.8%) of genes in pham
• Manual Annotations of this start: 4 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnClar_52 (DR), BiggityBass_51 (DR), Sisko_51 (DR), Yago84_51 (DR),

Start 9:
• Found in 1 of 13 (7.7%) 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_54 (DR),

Start 10:
• Found in 1 of 13 (7.7%) 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: Sour_55 (DR),

Start 11:
• Found in 6 of 13 (46.2%) of genes in pham
• Manual Annotations of this start: 5 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Axumite_53 (DR), CharlottesWeb_52 (DR), Fresco_53 (DR), Ligma_53 (DR), Mariokart_52 (DR), Shatter_53 (DR),

Summary by clusters:

There is one cluster represented in this pham: DR

Info for manual annotations of cluster DR:
•Start number 3 was manually annotated 1 time for cluster DR.
•Start number 8 was manually annotated 4 times for cluster DR.
•Start number 9 was manually annotated 1 time for cluster DR.
•Start number 10 was manually annotated 1 time for cluster DR.
•Start number 11 was manually annotated 5 times for cluster DR.

Gene Information:

Gene: AnClar_52 Start: 48749, Stop: 48273, Start Num: 8
Candidate Starts for AnClar_52:
(1, 48956), (Start: 8 @48749 has 4 MA's), (19, 48638), (20, 48611), (29, 48500), (37, 48374), (41, 48335),

Gene: Axumite_53 Start: 46714, Stop: 46265, Start Num: 11
Candidate Starts for Axumite_53:
(Start: 11 @46714 has 5 MA's), (13, 46672), (19, 46612), (36, 46360), (38, 46348),

Gene: BiggityBass_51 Start: 48087, Stop: 47641, Start Num: 8
Candidate Starts for BiggityBass_51:
(1, 48300), (Start: 8 @48087 has 4 MA's), (15, 48018), (19, 47976), (21, 47934), (27, 47877), (29, 47862), (42, 47682),

Gene: CharlottesWeb_52 Start: 46101, Stop: 45649, Start Num: 11
Candidate Starts for CharlottesWeb_52:
(4, 46194), (Start: 11 @46101 has 5 MA's), (15, 46041), (18, 46005), (26, 45915), (28, 45894), (36, 45750), (38, 45738),

Gene: Evaa_51 Start: 46670, Stop: 46056, Start Num: 3
Candidate Starts for Evaa_51:
(2, 46718), (Start: 3 @46670 has 1 MA's), (5, 46625), (6, 46622), (7, 46547), (12, 46493), (16, 46460), (17, 46433), (22, 46349), (23, 46346), (24, 46334), (26, 46310), (31, 46232), (34, 46223), (39, 46133),

Gene: Fresco_53 Start: 46714, Stop: 46265, Start Num: 11
Candidate Starts for Fresco_53:
(Start: 11 @46714 has 5 MA's), (13, 46672), (19, 46612), (36, 46360), (38, 46348),

Gene: Ligma_53 Start: 46714, Stop: 46265, Start Num: 11
Candidate Starts for Ligma_53:
(Start: 11 @46714 has 5 MA's), (13, 46672), (19, 46612), (36, 46360), (38, 46348),

Gene: LittleMunchkin_54 Start: 49386, Stop: 48961, Start Num: 9
Candidate Starts for LittleMunchkin_54:
(Start: 9 @49386 has 1 MA's), (13, 49338), (14, 49323), (19, 49278), (25, 49218), (28, 49185), (29, 49179), (32, 49131), (33, 49128), (34, 49125),

Gene: Mariokart_52 Start: 46387, Stop: 45935, Start Num: 11
Candidate Starts for Mariokart_52:
(4, 46480), (Start: 11 @46387 has 5 MA's), (15, 46327), (18, 46291), (26, 46201), (28, 46180), (36, 46036), (38, 46024),

Gene: Shatter_53 Start: 46714, Stop: 46265, Start Num: 11
Candidate Starts for Shatter_53:
(Start: 11 @46714 has 5 MA's), (13, 46672), (19, 46612), (36, 46360), (38, 46348),

Gene: Sisko_51 Start: 46752, Stop: 46276, Start Num: 8
Candidate Starts for Sisko_51:
(1, 46959), (Start: 8 @46752 has 4 MA's), (19, 46641), (20, 46614), (29, 46503), (37, 46377), (41, 46338),

Gene: Sour_55 Start: 49917, Stop: 49447, Start Num: 10
Candidate Starts for Sour_55:
(Start: 10 @49917 has 1 MA's), (13, 49872), (19, 49812), (25, 49722), (28, 49689), (29, 49683), (30, 49671), (35, 49563), (36, 49551), (40, 49524),

Gene: Yago84_51 Start: 46827, Stop: 46351, Start Num: 8
Candidate Starts for Yago84_51:
(Start: 8 @46827 has 4 MA's), (19, 46716), (20, 46689), (29, 46578), (37, 46452), (41, 46413),