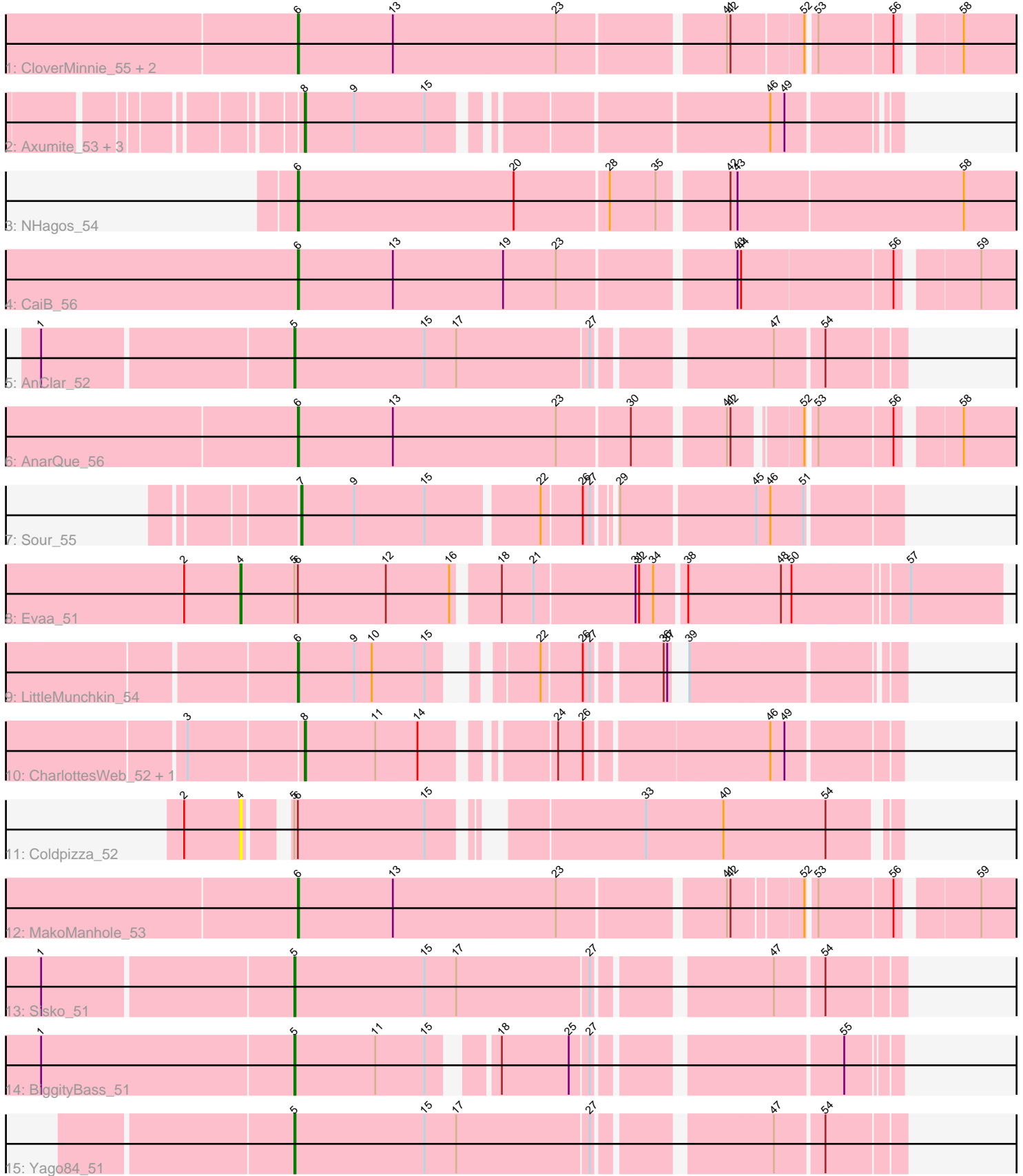# Pham 195782

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 195782 Report

This analysis was run 12/09/24 on database version 580.

Pham number 195782 has 21 members, 2 are drafts.

Phages represented in each track:
• Track 1 : CloverMinnie_55, Wooper_56, MossRose_55
• Track 2 : Axumite_53, Fresco_53, Ligma_53, Shatter_53
• Track 3 : NHagos_54
• Track 4 : CaiB_56
• Track 5 : AnClar_52
• Track 6 : AnarQue_56
• Track 7 : Sour_55
• Track 8 : Evaa_51
• Track 9 : LittleMunchkin_54
• Track 10 : CharlottesWeb_52, Mariokart_52
• Track 11 : Coldpizza_52
• Track 12 : MakoManhole_53
• Track 13 : Sisko_51
• Track 14 : BiggityBass_51
• Track 15 : 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 6, it was called in 8 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnarQue_56, CaiB_56, CloverMinnie_55, LittleMunchkin_54, MakoManhole_53, MossRose_55, NHagos_54, Wooper_56,

Genes that have the "Most Annotated" start but do not call it:
• Coldpizza_52, Evaa_51,

Genes that do not have the "Most Annotated" start:
• AnClar_52, Axumite_53, BiggityBass_51, CharlottesWeb_52, Fresco_53, Ligma_53, Mariokart_52, Shatter_53, Sisko_51, Sour_55, Yago84_51,

Summary by start number:

Start 4:
• Found in 2 of 21 (9.5%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Coldpizza_52 (DR), Evaa_51 (DR),

Start 5:
• Found in 6 of 21 (28.6%) of genes in pham
• Manual Annotations of this start: 4 of 19
• Called 66.7% of time when present
• Phage (with cluster) where this start called: AnClar_52 (DR), BiggityBass_51 (DR), Sisko_51 (DR), Yago84_51 (DR),

Start 6:
• Found in 10 of 21 (47.6%) of genes in pham
• Manual Annotations of this start: 8 of 19
• Called 80.0% of time when present
• Phage (with cluster) where this start called: AnarQue_56 (DR), CaiB_56 (DR), CloverMinnie_55 (DR), LittleMunchkin_54 (DR), MakoManhole_53 (DR), MossRose_55 (DR), NHagos_54 (DR), Wooper_56 (DR),

Start 7:
• Found in 1 of 21 (4.8%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sour_55 (DR),

Start 8:
• Found in 6 of 21 (28.6%) of genes in pham
• Manual Annotations of this start: 5 of 19
• 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 4 was manually annotated 1 time for cluster DR.
•Start number 5 was manually annotated 4 times for cluster DR.
•Start number 6 was manually annotated 8 times for cluster DR.
•Start number 7 was manually annotated 1 time for cluster DR.
•Start number 8 was manually annotated 5 times for cluster DR.

Gene Information:
Gene: AnClar_52 Start: 48749, Stop: 48273, Start Num: 5
Candidate Starts for AnClar_52:
(1, 48956), (Start: 5 @48749 has 4 MA's), (15, 48638), (17, 48611), (27, 48500), (47, 48374), (54, 48335),

Gene: AnarQue_56 Start: 48966, Stop: 48397, Start Num: 6
Candidate Starts for AnarQue_56:
(Start: 6 @48966 has 8 MA's), (13, 48885), (23, 48747), (30, 48687), (41, 48615), (42, 48612), (52, 48564), (53, 48558), (56, 48498), (58, 48453),

Gene: Axumite_53 Start: 46714, Stop: 46265, Start Num: 8
Candidate Starts for Axumite_53:
(Start: 8 @46714 has 5 MA's), (9, 46672), (15, 46612), (46, 46360), (49, 46348),

Gene: BiggityBass_51 Start: 48087, Stop: 47641, Start Num: 5
Candidate Starts for BiggityBass_51:
(1, 48300), (Start: 5 @48087 has 4 MA's), (11, 48018), (15, 47976), (18, 47934), (25, 47877), (27, 47862), (55, 47682),

Gene: CaiB_56 Start: 49517, Stop: 48930, Start Num: 6
Candidate Starts for CaiB_56:
(Start: 6 @49517 has 8 MA's), (13, 49436), (19, 49343), (23, 49298), (43, 49157), (44, 49154), (56, 49031), (59, 48971),

Gene: CharlottesWeb_52 Start: 46101, Stop: 45649, Start Num: 8
Candidate Starts for CharlottesWeb_52:
(3, 46194), (Start: 8 @46101 has 5 MA's), (11, 46041), (14, 46005), (24, 45915), (26, 45894), (46, 45750), (49, 45738),

Gene: CloverMinnie_55 Start: 48552, Stop: 47974, Start Num: 6
Candidate Starts for CloverMinnie_55:
(Start: 6 @48552 has 8 MA's), (13, 48471), (23, 48333), (41, 48201), (42, 48198), (52, 48141), (53, 48135), (56, 48075), (58, 48030),

Gene: Coldpizza_52 Start: 49032, Stop: 48547, Start Num: 4
Candidate Starts for Coldpizza_52:
(2, 49080), (Start: 4 @49032 has 1 MA's), (Start: 5 @49005 has 4 MA's), (Start: 6 @49002 has 8 MA's), (15, 48894), (33, 48747), (40, 48681), (54, 48597),

Gene: Evaa_51 Start: 46670, Stop: 46056, Start Num: 4
Candidate Starts for Evaa_51:
(2, 46718), (Start: 4 @46670 has 1 MA's), (Start: 5 @46625 has 4 MA's), (Start: 6 @46622 has 8 MA's), (12, 46547), (16, 46493), (18, 46460), (21, 46433), (31, 46349), (32, 46346), (34, 46334), (38, 46310), (48, 46232), (50, 46223), (57, 46133),

Gene: Fresco_53 Start: 46714, Stop: 46265, Start Num: 8
Candidate Starts for Fresco_53:
(Start: 8 @46714 has 5 MA's), (9, 46672), (15, 46612), (46, 46360), (49, 46348),

Gene: Ligma_53 Start: 46714, Stop: 46265, Start Num: 8
Candidate Starts for Ligma_53:
(Start: 8 @46714 has 5 MA's), (9, 46672), (15, 46612), (46, 46360), (49, 46348),

Gene: LittleMunchkin_54 Start: 49386, Stop: 48961, Start Num: 6
Candidate Starts for LittleMunchkin_54:
(Start: 6 @49386 has 8 MA's), (9, 49338), (10, 49323), (15, 49278), (22, 49218), (26, 49185), (27, 49179), (36, 49131), (37, 49128), (39, 49125),

Gene: MakoManhole_53 Start: 48044, Stop: 47469, Start Num: 6
Candidate Starts for MakoManhole_53:
(Start: 6 @48044 has 8 MA's), (13, 47963), (23, 47825), (41, 47693), (42, 47690), (52, 47636), (53, 47630), (56, 47570), (59, 47510),

Gene: Mariokart_52 Start: 46387, Stop: 45935, Start Num: 8
Candidate Starts for Mariokart_52:
(3, 46480), (Start: 8 @46387 has 5 MA's), (11, 46327), (14, 46291), (24, 46201), (26, 46180), (46, 46036), (49, 46024),

Gene: MossRose_55 Start: 48597, Stop: 48031, Start Num: 6
Candidate Starts for MossRose_55:
(Start: 6 @48597 has 8 MA's), (13, 48516), (23, 48378), (41, 48246), (42, 48243), (52, 48198), (53, 48192), (56, 48132), (58, 48087),

Gene: NHagos_54 Start: 47410, Stop: 46808, Start Num: 6
Candidate Starts for NHagos_54:
(Start: 6 @47410 has 8 MA's), (20, 47227), (28, 47149), (35, 47110), (42, 47056), (43, 47050), (58, 46861),

Gene: Shatter_53 Start: 46714, Stop: 46265, Start Num: 8
Candidate Starts for Shatter_53:
(Start: 8 @46714 has 5 MA's), (9, 46672), (15, 46612), (46, 46360), (49, 46348),

Gene: Sisko_51 Start: 46752, Stop: 46276, Start Num: 5
Candidate Starts for Sisko_51:
(1, 46959), (Start: 5 @46752 has 4 MA's), (15, 46641), (17, 46614), (27, 46503), (47, 46377), (54, 46338),

Gene: Sour_55 Start: 49917, Stop: 49447, Start Num: 7
Candidate Starts for Sour_55:
(Start: 7 @49917 has 1 MA's), (9, 49872), (15, 49812), (22, 49722), (26, 49689), (27, 49683), (29, 49671), (45, 49563), (46, 49551), (51, 49524),

Gene: Wooper_56 Start: 48938, Stop: 48363, Start Num: 6
Candidate Starts for Wooper_56:
(Start: 6 @48938 has 8 MA's), (13, 48857), (23, 48719), (41, 48587), (42, 48584), (52, 48530), (53, 48524), (56, 48464), (58, 48419),

Gene: Yago84_51 Start: 46827, Stop: 46351, Start Num: 5
Candidate Starts for Yago84_51:
(Start: 5 @46827 has 4 MA's), (15, 46716), (17, 46689), (27, 46578), (47, 46452), (54, 46413),