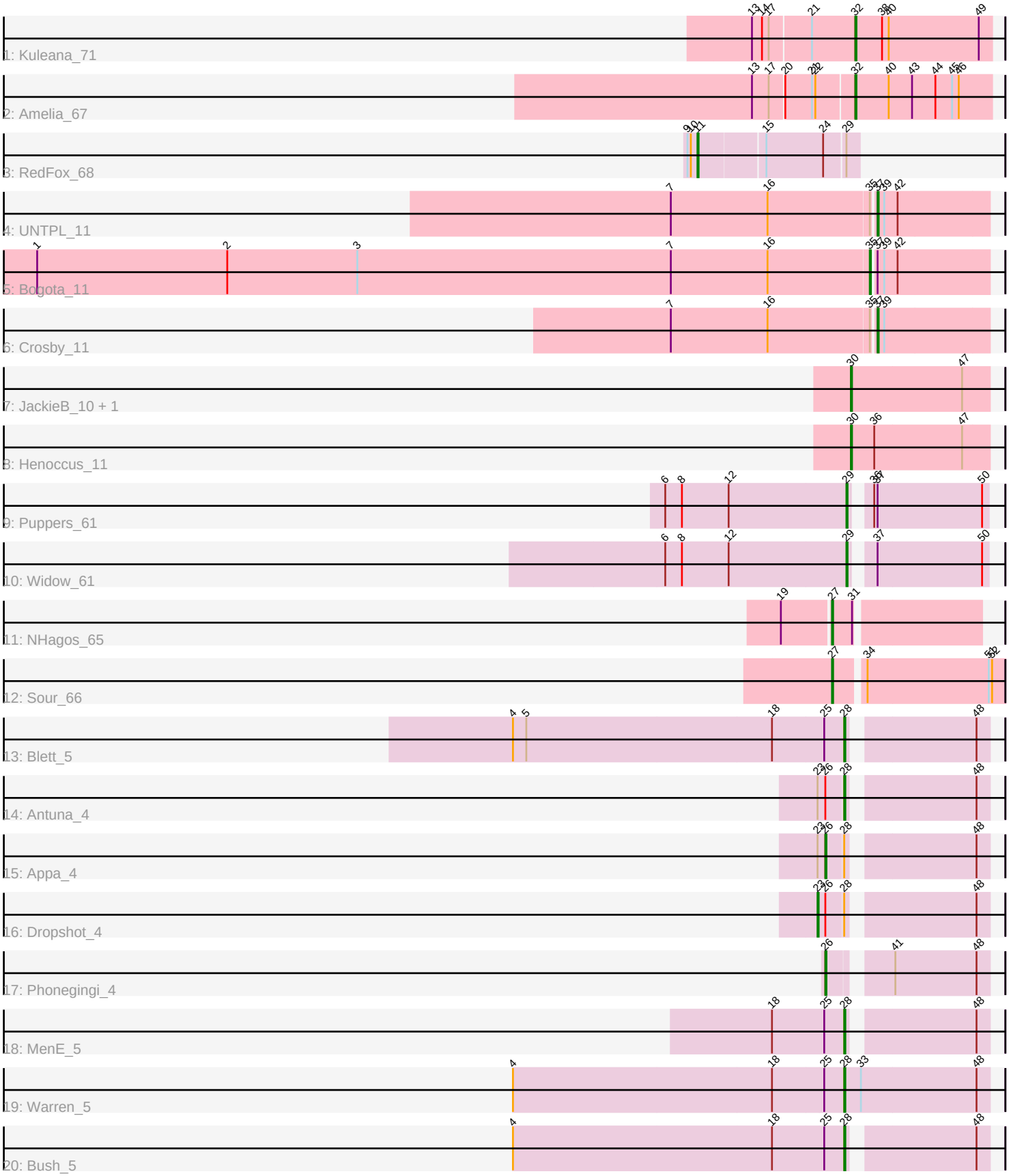
Pham 188443


1: Kuleana_71
2: Amelia_67
3: RedFox_68
4: UNTPL_11
5: Bogota_11
6: Crosby_11
7: JackieB_10 + 1
8: Henoccus_11
9: Puppers_61
10: Widow_61
11: NHagos_65
12: Sour_66
13: Blett_5
14: Antuna_4
15: Appa_4
16: Dropshot_4
17: Phonegingi_4
18: MenE_5
19: Warren_5
20: Bush_5

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 188443 Report

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

Pham number 188443 has 21 members, 0 are drafts.

Phages represented in each track:
- Track 1 : Kuleana_71
- Track 2 : Amelia_67
- Track 3 : RedFox_68
- Track 4 : UNTPL_11
- Track 5 : Bogota_11
- Track 6 : Crosby_11
- Track 7 : JackieB_10, Araceli_11
- Track 8 : Henoccus_11
- Track 9 : Puppers_61
- Track 10 : Widow_61
- Track 11 : NHagos_65
- Track 12 : Sour_66
- Track 13 : Blett_5
- Track 14 : Antuna_4
- Track 15 : Appa_4
- Track 16 : Dropshot_4
- Track 17 : Phonegingi_4
- Track 18 : MenE_5
- Track 19 : Warren_5
- Track 20 : Bush_5

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

The start number called the most often in the published annotations is 28, it was called in 5 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Antuna_4, Blett_5, Bush_5, MenE_5, Warren_5,

Genes that have the "Most Annotated" start but do not call it:
- Appa_4, Dropshot_4,

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

• Amelia_67, Araceli_11, Bogota_11, Crosby_11, Henoccus_11, JackieB_10, Kuleana_71, NHagos_65, Phonegingi_4, Puppers_61, RedFox_68, Sour_66, UNTPL_11, Widow_61,

Summary by start number:

Start 11:
• Found in 1 of 21 (4.8%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RedFox_68 (AS3),

Start 23:
• Found in 3 of 21 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Dropshot_4 (GA),

Start 26:
• Found in 4 of 21 (19.0%) of genes in pham
• Manual Annotations of this start: 2 of 21
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Appa_4 (GA), Phonegingi_4 (GA),

Start 27:
• Found in 2 of 21 (9.5%) of genes in pham
• Manual Annotations of this start: 2 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NHagos_65 (DR), Sour_66 (DR),

Start 28:
• Found in 7 of 21 (33.3%) of genes in pham
• Manual Annotations of this start: 5 of 21
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Antuna_4 (GA), Blett_5 (GA), Bush_5 (GA), MenE_5 (GA), Warren_5 (GA),

Start 29:
• Found in 3 of 21 (14.3%) of genes in pham
• Manual Annotations of this start: 2 of 21
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Puppers_61 (CD), Widow_61 (CD),

Start 30:
• Found in 3 of 21 (14.3%) of genes in pham
• Manual Annotations of this start: 3 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Araceli_11 (BH), Henoccus_11 (BH), JackieB_10 (BH),

Start 32:
• Found in 2 of 21 (9.5%) of genes in pham
• Manual Annotations of this start: 2 of 21

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amelia_67 (AS2), Kuleana_71 (AS2),

Start 35:
• Found in 3 of 21 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Bogota_11 (BH),

Start 37:
• Found in 5 of 21 (23.8%) of genes in pham
• Manual Annotations of this start: 2 of 21
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Crosby_11 (BH), UNTPL_11 (BH),

Summary by clusters:

There are 6 clusters represented in this pham: AS3, AS2, BH, CD, GA, DR,

Info for manual annotations of cluster AS2:
•Start number 32 was manually annotated 2 times for cluster AS2.

Info for manual annotations of cluster AS3:
•Start number 11 was manually annotated 1 time for cluster AS3.

Info for manual annotations of cluster BH:
•Start number 30 was manually annotated 3 times for cluster BH.
•Start number 35 was manually annotated 1 time for cluster BH.
•Start number 37 was manually annotated 2 times for cluster BH.

Info for manual annotations of cluster CD:
•Start number 29 was manually annotated 2 times for cluster CD.

Info for manual annotations of cluster DR:
•Start number 27 was manually annotated 2 times for cluster DR.

Info for manual annotations of cluster GA:
•Start number 23 was manually annotated 1 time for cluster GA.
•Start number 26 was manually annotated 2 times for cluster GA.
•Start number 28 was manually annotated 5 times for cluster GA.

Gene Information:

Gene: Amelia_67 Start: 36849, Stop: 36971, Start Num: 32
Candidate Starts for Amelia_67:
(13, 36762), (17, 36777), (20, 36789), (21, 36813), (22, 36816), (Start: 32 @36849 has 2 MA's), (40, 36879), (43, 36900), (44, 36921), (45, 36936), (46, 36942),

Gene: Antuna_4 Start: 880, Stop: 993, Start Num: 28
Candidate Starts for Antuna_4:
(Start: 23 @859 has 1 MA's), (Start: 26 @865 has 2 MA's), (Start: 28 @880 has 5 MA's), (48, 982),

Gene: Appa_4 Start: 883, Stop: 1011, Start Num: 26
Candidate Starts for Appa_4:
(Start: 23 @877 has 1 MA's), (Start: 26 @883 has 2 MA's), (Start: 28 @898 has 5 MA's), (48, 1000),

Gene: Araceli_11 Start: 8776, Stop: 8654, Start Num: 30
Candidate Starts for Araceli_11:
(Start: 30 @8776 has 3 MA's), (47, 8677),

Gene: Blett_5 Start: 1053, Stop: 1166, Start Num: 28
Candidate Starts for Blett_5:
(4, 759), (5, 771), (18, 990), (25, 1035), (Start: 28 @1053 has 5 MA's), (48, 1155),

Gene: Bogota_11 Start: 8850, Stop: 8749, Start Num: 35
Candidate Starts for Bogota_11:
(1, 9597), (2, 9426), (3, 9309), (7, 9027), (16, 8940), (Start: 35 @8850 has 1 MA's), (Start: 37 @8847 has 2 MA's), (39, 8841), (42, 8829),

Gene: Bush_5 Start: 1059, Stop: 1172, Start Num: 28
Candidate Starts for Bush_5:
(4, 765), (18, 996), (25, 1041), (Start: 28 @1059 has 5 MA's), (48, 1161),

Gene: Crosby_11 Start: 8869, Stop: 8771, Start Num: 37
Candidate Starts for Crosby_11:
(7, 9049), (16, 8962), (Start: 35 @8872 has 1 MA's), (Start: 37 @8869 has 2 MA's), (39, 8863),

Gene: Dropshot_4 Start: 877, Stop: 1011, Start Num: 23
Candidate Starts for Dropshot_4:
(Start: 23 @877 has 1 MA's), (Start: 26 @883 has 2 MA's), (Start: 28 @898 has 5 MA's), (48, 1000),

Gene: Henoccus_11 Start: 8797, Stop: 8675, Start Num: 30
Candidate Starts for Henoccus_11:
(Start: 30 @8797 has 3 MA's), (36, 8776), (47, 8698),

Gene: JackieB_10 Start: 8652, Stop: 8530, Start Num: 30
Candidate Starts for JackieB_10:
(Start: 30 @8652 has 3 MA's), (47, 8553),

Gene: Kuleana_71 Start: 37549, Stop: 37671, Start Num: 32
Candidate Starts for Kuleana_71:
(13, 37459), (14, 37468), (17, 37474), (21, 37510), (Start: 32 @37549 has 2 MA's), (38, 37573), (40, 37579), (49, 37660),

Gene: MenE_5 Start: 1059, Stop: 1172, Start Num: 28
Candidate Starts for MenE_5:
(18, 996), (25, 1041), (Start: 28 @1059 has 5 MA's), (48, 1161),

Gene: NHagos_65 Start: 52079, Stop: 52204, Start Num: 27
Candidate Starts for NHagos_65:
(19, 52037), (Start: 27 @52079 has 2 MA's), (31, 52097),

Gene: Phonegingi_4 Start: 872, Stop: 1000, Start Num: 26
Candidate Starts for Phonegingi_4:

(Start: 26 @872 has 2 MA's), (41, 917), (48, 989),

Gene: Puppers_61 Start: 41680, Stop: 41793, Start Num: 29
Candidate Starts for Puppers_61:
(6, 41518), (8, 41533), (12, 41575), (Start: 29 @41680 has 2 MA's), (36, 41692), (Start: 37 @41695 has 2 MA's), (50, 41788),

Gene: RedFox_68 Start: 37646, Stop: 37783, Start Num: 11
Candidate Starts for RedFox_68:
(9, 37637), (10, 37640), (Start: 11 @37646 has 1 MA's), (15, 37703), (24, 37754), (Start: 29 @37772 has 2 MA's),

Gene: Sour_66 Start: 54996, Stop: 55142, Start Num: 27
Candidate Starts for Sour_66:
(Start: 27 @54996 has 2 MA's), (34, 55020), (51, 55128), (52, 55131),

Gene: UNTPL_11 Start: 8850, Stop: 8752, Start Num: 37
Candidate Starts for UNTPL_11:
(7, 9030), (16, 8943), (Start: 35 @8853 has 1 MA's), (Start: 37 @8850 has 2 MA's), (39, 8844), (42, 8832),

Gene: Warren_5 Start: 1062, Stop: 1190, Start Num: 28
Candidate Starts for Warren_5:
(4, 768), (18, 999), (25, 1044), (Start: 28 @1062 has 5 MA's), (33, 1077), (48, 1179),

Gene: Widow_61 Start: 42226, Stop: 42339, Start Num: 29
Candidate Starts for Widow_61:
(6, 42064), (8, 42079), (12, 42121), (Start: 29 @42226 has 2 MA's), (Start: 37 @42241 has 2 MA's), (50, 42334),