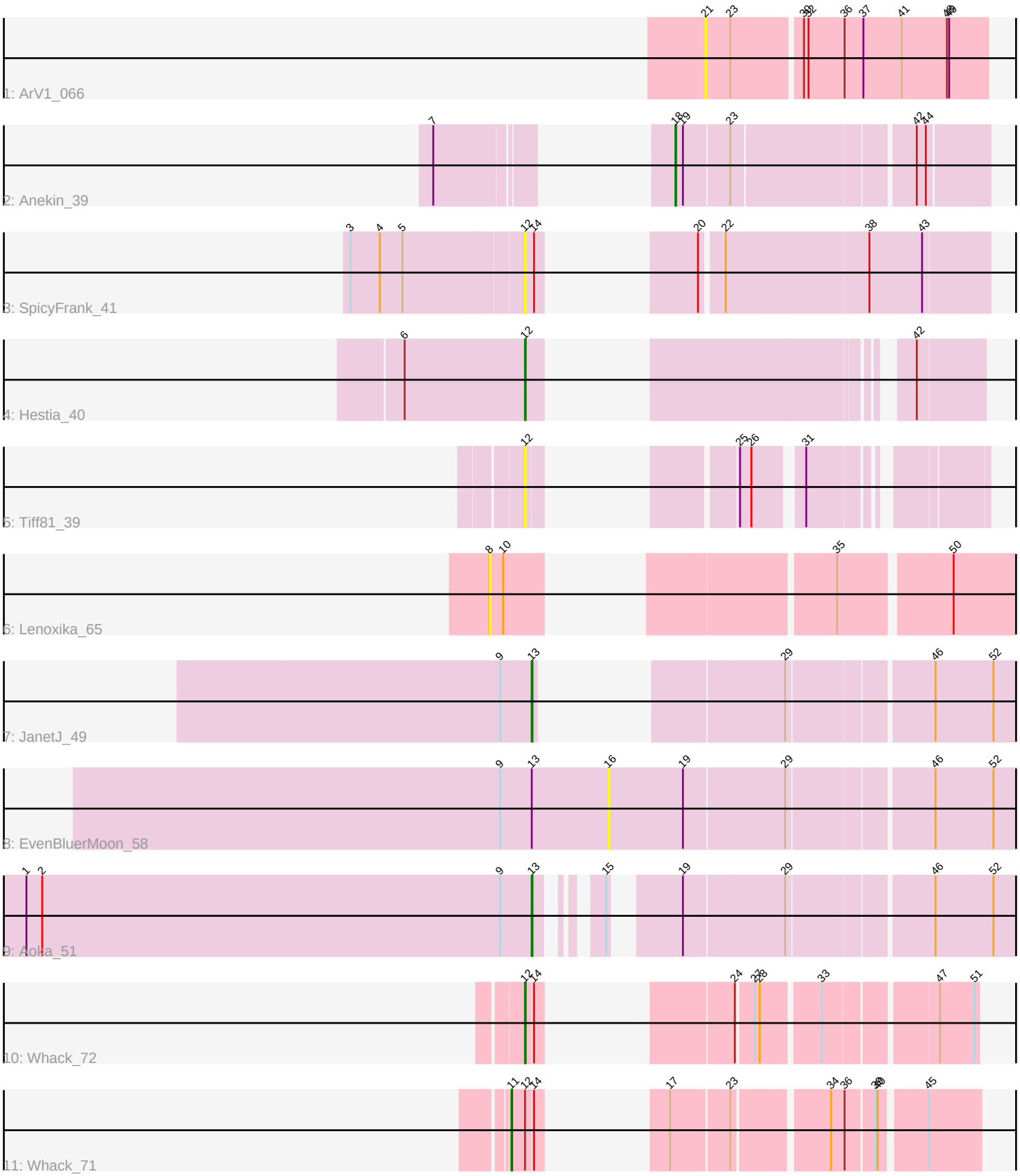
Pham 194530


1: ArV1_066
2: Anekin_39
3: SpicyFrank_41
4: Hestia_40
5: Tiff81_39
6: Lenoxika_65
7: JanetJ_49
8: EvenBluerMoon_58
9: Aoka_51
10: Whack_72
11: Whack_71

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 194530 Report

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

Pham number 194530 has 11 members, 5 are drafts.

Phages represented in each track:
• Track 1 : ArV1_066
• Track 2 : Anekin_39
• Track 3 : SpicyFrank_41
• Track 4 : Hestia_40
• Track 5 : Tiff81_39
• Track 6 : Lenoxika_65
• Track 7 : JanetJ_49
• Track 8 : EvenBluerMoon_58
• Track 9 : Aoka_51
• Track 10 : Whack_72
• Track 11 : Whack_71

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

The start number called the most often in the published annotations is 13, it was called in 2 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aoka_51, JanetJ_49,

Genes that have the "Most Annotated" start but do not call it:
• EvenBluerMoon_58,

Genes that do not have the "Most Annotated" start:
• Anekin_39, ArV1_066, Hestia_40, Lenoxika_65, SpicyFrank_41, Tiff81_39, Whack_71, Whack_72,

Summary by start number:

Start 8:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lenoxika_65 (FF),

Start 11:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Whack_71 (singleton),

Start 12:
• Found in 5 of 11 (45.5%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Hestia_40 (AY), SpicyFrank_41 (AY), Tiff81_39 (AY), Whack_72 (singleton),

Start 13:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Aoka_51 (FO), JanetJ_49 (FO),

Start 16:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EvenBluerMoon_58 (FO),

Start 18:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anekin_39 (AY),

Start 21:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ArV1_066 (AR),

Summary by clusters:

There are 5 clusters represented in this pham: AY, singleton, AR, FF, FO,

Info for manual annotations of cluster AY:
•Start number 12 was manually annotated 1 time for cluster AY.
•Start number 18 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FO:
•Start number 13 was manually annotated 2 times for cluster FO.

Gene Information:

Gene: Anekin_39 Start: 27918, Stop: 27538, Start Num: 18
Candidate Starts for Anekin_39:
(7, 28068), (Start: 18 @27918 has 1 MA's), (19, 27909), (23, 27852), (42, 27627), (44, 27615),

Gene: Aoka_51 Start: 34831, Stop: 35385, Start Num: 13
Candidate Starts for Aoka_51:
(1, 34159), (2, 34180), (9, 34789), (Start: 13 @34831 has 2 MA's), (15, 34879), (19, 34945), (29, 35068), (46, 35242), (52, 35317),

Gene: ArV1_066 Start: 50683, Stop: 51042, Start Num: 21
Candidate Starts for ArV1_066:
(21, 50683), (23, 50716), (30, 50803), (32, 50809), (36, 50854), (37, 50878), (41, 50929), (48, 50989), (49, 50992),

Gene: EvenBluerMoon_58 Start: 34293, Stop: 34832, Start Num: 16
Candidate Starts for EvenBluerMoon_58:
(9, 34149), (Start: 13 @34191 has 2 MA's), (16, 34293), (19, 34392), (29, 34515), (46, 34689), (52, 34764),

Gene: Hestia_40 Start: 27726, Stop: 27310, Start Num: 12
Candidate Starts for Hestia_40:
(6, 27885), (Start: 12 @27726 has 2 MA's), (42, 27396),

Gene: JanetJ_49 Start: 35354, Stop: 35842, Start Num: 13
Candidate Starts for JanetJ_49:
(9, 35312), (Start: 13 @35354 has 2 MA's), (29, 35525), (46, 35699), (52, 35774),

Gene: Lenoxika_65 Start: 41111, Stop: 41638, Start Num: 8
Candidate Starts for Lenoxika_65:
(8, 41111), (10, 41129), (35, 41420), (50, 41558),

Gene: SpicyFrank_41 Start: 28170, Stop: 27721, Start Num: 12
Candidate Starts for SpicyFrank_41:
(3, 28392), (4, 28353), (5, 28323), (Start: 12 @28170 has 2 MA's), (14, 28158), (20, 28086), (22, 28059), (38, 27876), (43, 27807),

Gene: Tiff81_39 Start: 25801, Stop: 25427, Start Num: 12
Candidate Starts for Tiff81_39:
(Start: 12 @25801 has 2 MA's), (25, 25684), (26, 25669), (31, 25618),

Gene: Whack_72 Start: 47171, Stop: 47581, Start Num: 12
Candidate Starts for Whack_72:
(Start: 12 @47171 has 2 MA's), (14, 47180), (24, 47300), (27, 47321), (28, 47327), (33, 47396), (47, 47531), (51, 47576),

Gene: Whack_71 Start: 46738, Stop: 47166, Start Num: 11
Candidate Starts for Whack_71:
(Start: 11 @46738 has 1 MA's), (Start: 12 @46756 has 2 MA's), (14, 46765), (17, 46804), (23, 46876), (34, 46987), (36, 47005), (39, 47041), (40, 47044), (45, 47098),