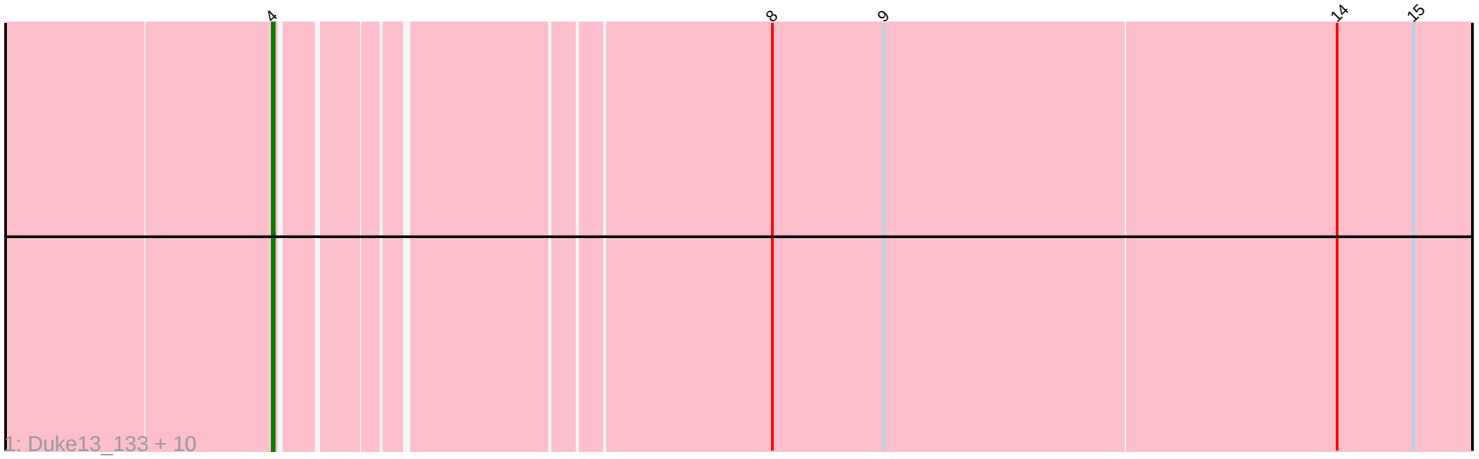
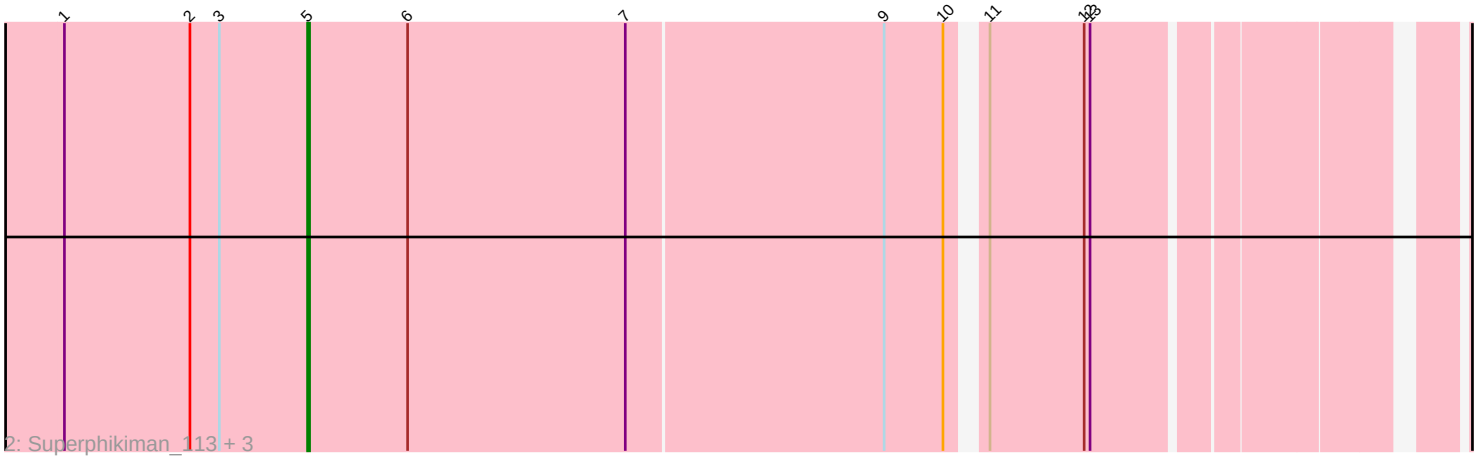
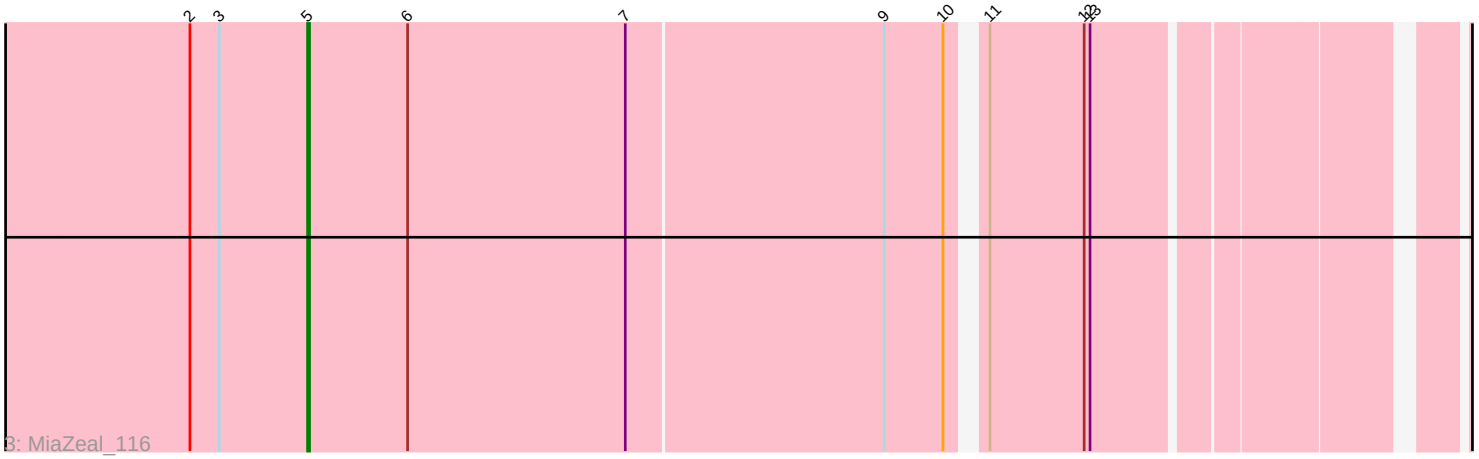
Pham 348126


4
8
9
14
15
1: Duke13_133 + 10


1
2
3
5
6
7
9
10
11
12
13
2: Superphikiman_113 + 3


2
3
5
6
7
9
10
11
12
13
3: MiaZeal_116

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 348126 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348126 has 16 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Duke13_133, Odette_141, Schatzie_133, Pound_125, Klein_135, Minerva_137, DmpstrDiver_138, Wanda_137, Dove_123, Kalah2_128, Zelink_132
• Track 2 : Superphikiman_113, Squint_114, Ariel_116, Courthouse_111
• Track 3 : MiaZeal_116

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

The start number called the most often in the published annotations is 4, it was called in 10 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DmpstrDiver_138, Dove_123, Duke13_133, Kalah2_128, Klein_135, Minerva_137, Odette_141, Pound_125, Schatzie_133, Wanda_137, Zelink_132,

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

Genes that do not have the "Most Annotated" start:
• Ariel_116, Courthouse_111, MiaZeal_116, Squint_114, Superphikiman_113,

Summary by start number:

Start 4:
• Found in 11 of 16 (68.8%) of genes in pham
• Manual Annotations of this start: 10 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DmpstrDiver_138 (J), Dove_123 (J), Duke13_133 (J), Kalah2_128 (J), Klein_135 (J), Minerva_137 (J), Odette_141 (J), Pound_125 (J), Schatzie_133 (J), Wanda_137 (J), Zelink_132 (J),

Start 5:
• Found in 5 of 16 (31.2%) of genes in pham
• Manual Annotations of this start: 5 of 15
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Ariel_116 (J), Courthouse_111 (J), MiaZeal_116 (J), Squint_114 (J), Superphikiman_113 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 4 was manually annotated 10 times for cluster J.
•Start number 5 was manually annotated 5 times for cluster J.

Gene Information:

Gene: Ariel_116 Start: 62922, Stop: 63554, Start Num: 5
Candidate Starts for Ariel_116:
(1, 62799), (2, 62862), (3, 62877), (Start: 5 @62922 has 5 MA's), (6, 62973), (7, 63084), (9, 63213), (10, 63243), (11, 63255), (12, 63303), (13, 63306),

Gene: Courthouse_111 Start: 62522, Stop: 63154, Start Num: 5
Candidate Starts for Courthouse_111:
(1, 62399), (2, 62462), (3, 62477), (Start: 5 @62522 has 5 MA's), (6, 62573), (7, 62684), (9, 62813), (10, 62843), (11, 62855), (12, 62903), (13, 62906),

Gene: DmpstrDiver_138 Start: 74825, Stop: 75511, Start Num: 4
Candidate Starts for DmpstrDiver_138:
(Start: 4 @74825 has 10 MA's), (8, 75053), (9, 75110), (14, 75338), (15, 75377),

Gene: Dove_123 Start: 70424, Stop: 71110, Start Num: 4
Candidate Starts for Dove_123:
(Start: 4 @70424 has 10 MA's), (8, 70652), (9, 70709), (14, 70937), (15, 70976),

Gene: Duke13_133 Start: 72126, Stop: 72812, Start Num: 4
Candidate Starts for Duke13_133:
(Start: 4 @72126 has 10 MA's), (8, 72354), (9, 72411), (14, 72639), (15, 72678),

Gene: Kalah2_128 Start: 74181, Stop: 74867, Start Num: 4
Candidate Starts for Kalah2_128:
(Start: 4 @74181 has 10 MA's), (8, 74409), (9, 74466), (14, 74694), (15, 74733),

Gene: Klein_135 Start: 72783, Stop: 73469, Start Num: 4
Candidate Starts for Klein_135:
(Start: 4 @72783 has 10 MA's), (8, 73011), (9, 73068), (14, 73296), (15, 73335),

Gene: MiaZeal_116 Start: 63594, Stop: 64151, Start Num: 5
Candidate Starts for MiaZeal_116:
(2, 63534), (3, 63549), (Start: 5 @63594 has 5 MA's), (6, 63645), (7, 63756), (9, 63885), (10, 63915), (11, 63927), (12, 63975), (13, 63978),

Gene: Minerva_137 Start: 74232, Stop: 74918, Start Num: 4
Candidate Starts for Minerva_137:
(Start: 4 @74232 has 10 MA's), (8, 74460), (9, 74517), (14, 74745), (15, 74784),

Gene: Odette_141 Start: 76663, Stop: 77349, Start Num: 4
Candidate Starts for Odette_141:
(Start: 4 @76663 has 10 MA's), (8, 76891), (9, 76948), (14, 77176), (15, 77215),

Gene: Pound_125 Start: 73112, Stop: 73798, Start Num: 4
Candidate Starts for Pound_125:
(Start: 4 @73112 has 10 MA's), (8, 73340), (9, 73397), (14, 73625), (15, 73664),

Gene: Schatzie_133 Start: 75082, Stop: 75768, Start Num: 4
Candidate Starts for Schatzie_133:
(Start: 4 @75082 has 10 MA's), (8, 75310), (9, 75367), (14, 75595), (15, 75634),

Gene: Squint_114 Start: 63713, Stop: 64345, Start Num: 5
Candidate Starts for Squint_114:
(1, 63590), (2, 63653), (3, 63668), (Start: 5 @63713 has 5 MA's), (6, 63764), (7, 63875), (9, 64004), (10, 64034), (11, 64046), (12, 64094), (13, 64097),

Gene: Superphikiman_113 Start: 62804, Stop: 63436, Start Num: 5
Candidate Starts for Superphikiman_113:
(1, 62681), (2, 62744), (3, 62759), (Start: 5 @62804 has 5 MA's), (6, 62855), (7, 62966), (9, 63095), (10, 63125), (11, 63137), (12, 63185), (13, 63188),

Gene: Wanda_137 Start: 72712, Stop: 73398, Start Num: 4
Candidate Starts for Wanda_137:
(Start: 4 @72712 has 10 MA's), (8, 72940), (9, 72997), (14, 73225), (15, 73264),

Gene: Zelink_132 Start: 75524, Stop: 76210, Start Num: 4
Candidate Starts for Zelink_132:
(Start: 4 @75524 has 10 MA's), (8, 75752), (9, 75809), (14, 76037), (15, 76076),