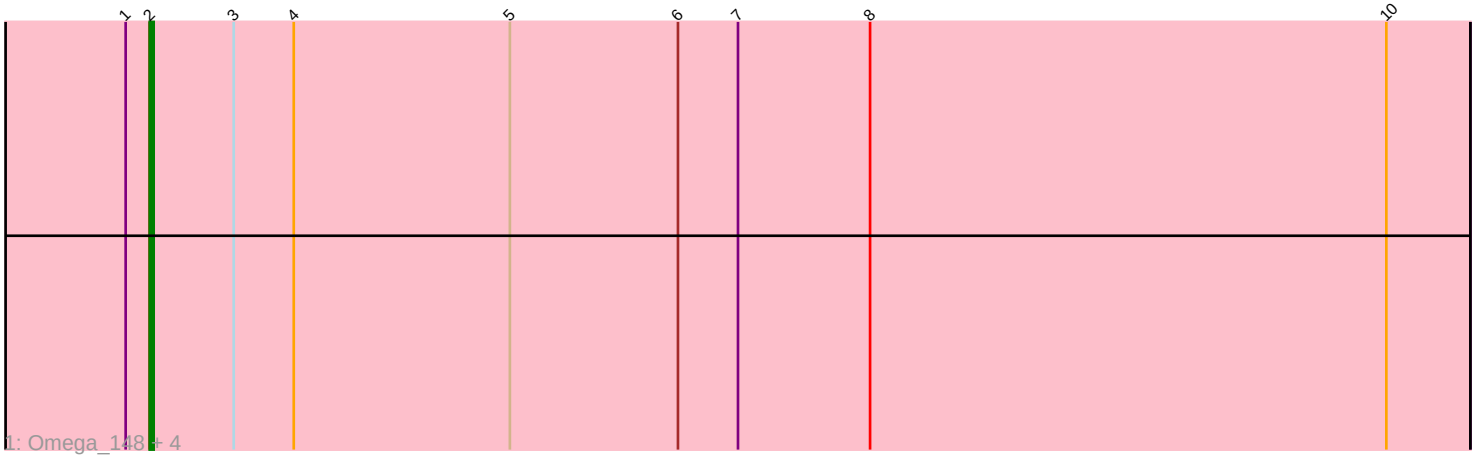
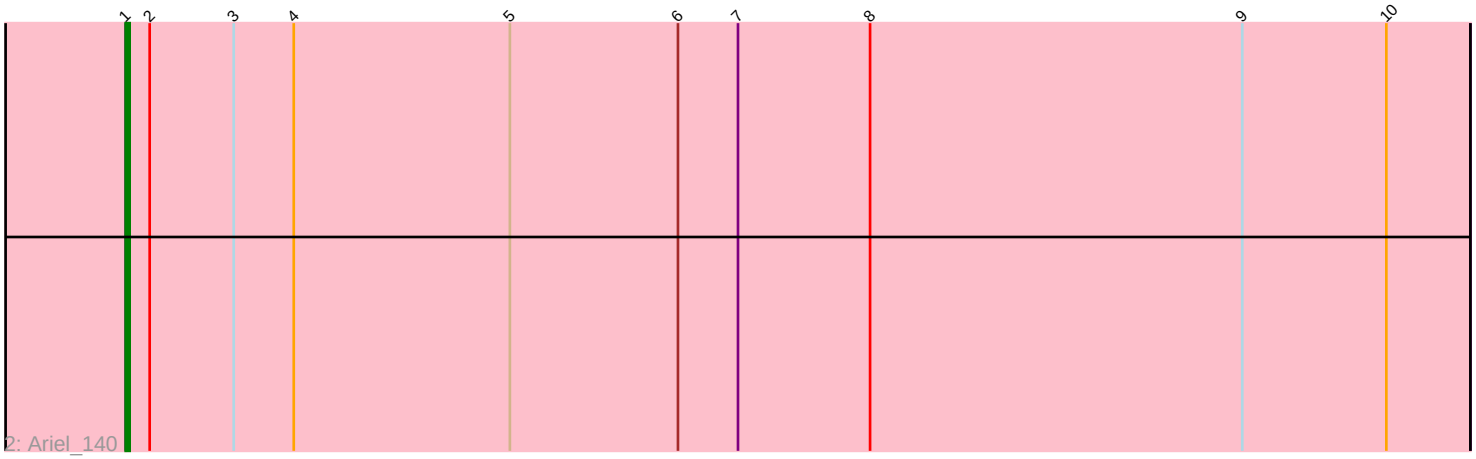
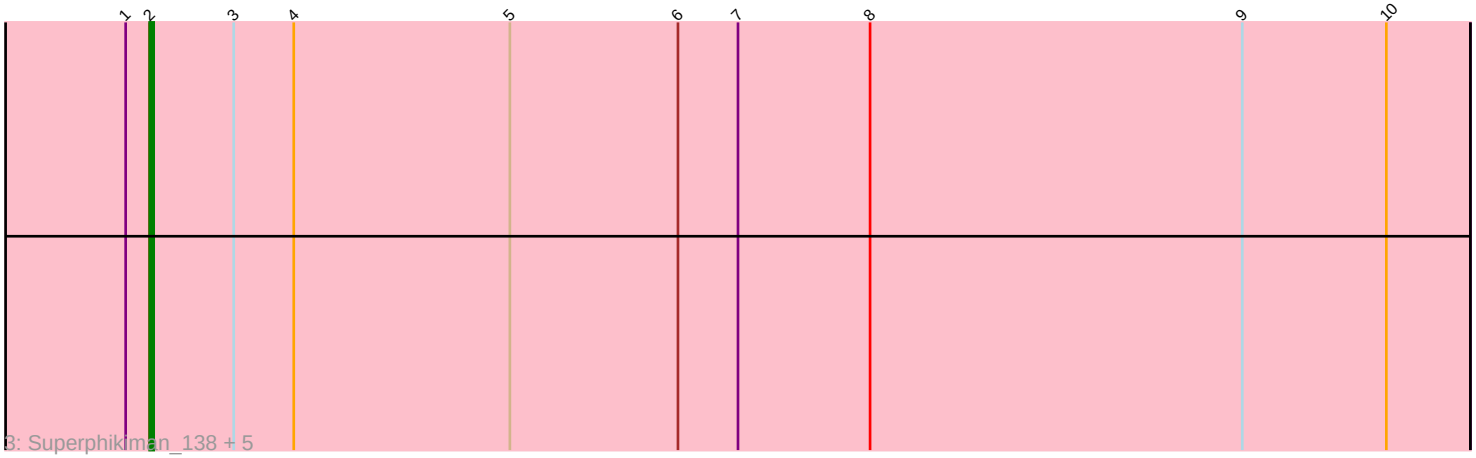
Pham 348198


1
2
3
4
5
6
7
8
10
1: Omega_148 + 4


1
2
3
4
5
6
7
8
9
10
2: Ariel_140


1
2
3
4
5
6
7
8
9
10
3: Superphikman_138 + 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 348198 Report

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

Pham number 348198 has 12 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Omega_148, Rearden_138, Gonephishing_134, KashFlow_138, Hannaconda_133
• Track 2 : Ariel_140
• Track 3 : Superphikiman_138, Courthouse_136, LittleE_143, Shaboozey_140, BronnyJames_137, Nibley_136

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

The start number called the most often in the published annotations is 2, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BronnyJames_137, Courthouse_136, Gonephishing_134, Hannaconda_133, KashFlow_138, LittleE_143, Nibley_136, Omega_148, Rearden_138, Shaboozey_140, Superphikiman_138,

Genes that have the "Most Annotated" start but do not call it:
• Ariel_140,

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

Summary by start number:

Start 1:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Ariel_140 (J),

Start 2:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 91.7% of time when present

• Phage (with cluster) where this start called: BronnyJames_137 (J), Courthouse_136 (J), Gonephishing_134 (J), Hannaconda_133 (J), KashFlow_138 (J), LittleE_143 (J), Nibley_136 (J), Omega_148 (J), Rearden_138 (J), Shaboozey_140 (J), Superphikiman_138 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 1 was manually annotated 1 time for cluster J.
•Start number 2 was manually annotated 6 times for cluster J.

Gene Information:

Gene: Ariel_140 Start: 72314, Stop: 72649, Start Num: 1
Candidate Starts for Ariel_140:
(Start: 1 @72314 has 1 MA's), (Start: 2 @72320 has 6 MA's), (3, 72341), (4, 72356), (5, 72410), (6, 72452), (7, 72467), (8, 72500), (9, 72593), (10, 72629),

Gene: BronnyJames_137 Start: 73588, Stop: 73917, Start Num: 2
Candidate Starts for BronnyJames_137:
(Start: 1 @73582 has 1 MA's), (Start: 2 @73588 has 6 MA's), (3, 73609), (4, 73624), (5, 73678), (6, 73720), (7, 73735), (8, 73768), (9, 73861), (10, 73897),

Gene: Courthouse_136 Start: 72178, Stop: 72507, Start Num: 2
Candidate Starts for Courthouse_136:
(Start: 1 @72172 has 1 MA's), (Start: 2 @72178 has 6 MA's), (3, 72199), (4, 72214), (5, 72268), (6, 72310), (7, 72325), (8, 72358), (9, 72451), (10, 72487),

Gene: Gonephishing_134 Start: 72306, Stop: 72635, Start Num: 2
Candidate Starts for Gonephishing_134:
(Start: 1 @72300 has 1 MA's), (Start: 2 @72306 has 6 MA's), (3, 72327), (4, 72342), (5, 72396), (6, 72438), (7, 72453), (8, 72486), (10, 72615),

Gene: Hannaconda_133 Start: 72520, Stop: 72849, Start Num: 2
Candidate Starts for Hannaconda_133:
(Start: 1 @72514 has 1 MA's), (Start: 2 @72520 has 6 MA's), (3, 72541), (4, 72556), (5, 72610), (6, 72652), (7, 72667), (8, 72700), (10, 72829),

Gene: KashFlow_138 Start: 74098, Stop: 74427, Start Num: 2
Candidate Starts for KashFlow_138:
(Start: 1 @74092 has 1 MA's), (Start: 2 @74098 has 6 MA's), (3, 74119), (4, 74134), (5, 74188), (6, 74230), (7, 74245), (8, 74278), (10, 74407),

Gene: LittleE_143 Start: 75162, Stop: 75491, Start Num: 2
Candidate Starts for LittleE_143:
(Start: 1 @75156 has 1 MA's), (Start: 2 @75162 has 6 MA's), (3, 75183), (4, 75198), (5, 75252), (6, 75294), (7, 75309), (8, 75342), (9, 75435), (10, 75471),

Gene: Nibley_136 Start: 73165, Stop: 73494, Start Num: 2

Candidate Starts for Nibley_136:
(Start: 1 @73159 has 1 MA's), (Start: 2 @73165 has 6 MA's), (3, 73186), (4, 73201), (5, 73255), (6, 73297), (7, 73312), (8, 73345), (9, 73438), (10, 73474),

Gene: Omega_148 Start: 76647, Stop: 76976, Start Num: 2
Candidate Starts for Omega_148:
(Start: 1 @76641 has 1 MA's), (Start: 2 @76647 has 6 MA's), (3, 76668), (4, 76683), (5, 76737), (6, 76779), (7, 76794), (8, 76827), (10, 76956),

Gene: Rearden_138 Start: 73864, Stop: 74193, Start Num: 2
Candidate Starts for Rearden_138:
(Start: 1 @73858 has 1 MA's), (Start: 2 @73864 has 6 MA's), (3, 73885), (4, 73900), (5, 73954), (6, 73996), (7, 74011), (8, 74044), (10, 74173),

Gene: Shaboozey_140 Start: 73609, Stop: 73938, Start Num: 2
Candidate Starts for Shaboozey_140:
(Start: 1 @73603 has 1 MA's), (Start: 2 @73609 has 6 MA's), (3, 73630), (4, 73645), (5, 73699), (6, 73741), (7, 73756), (8, 73789), (9, 73882), (10, 73918),

Gene: Superphikiman_138 Start: 72460, Stop: 72789, Start Num: 2
Candidate Starts for Superphikiman_138:
(Start: 1 @72454 has 1 MA's), (Start: 2 @72460 has 6 MA's), (3, 72481), (4, 72496), (5, 72550), (6, 72592), (7, 72607), (8, 72640), (9, 72733), (10, 72769),