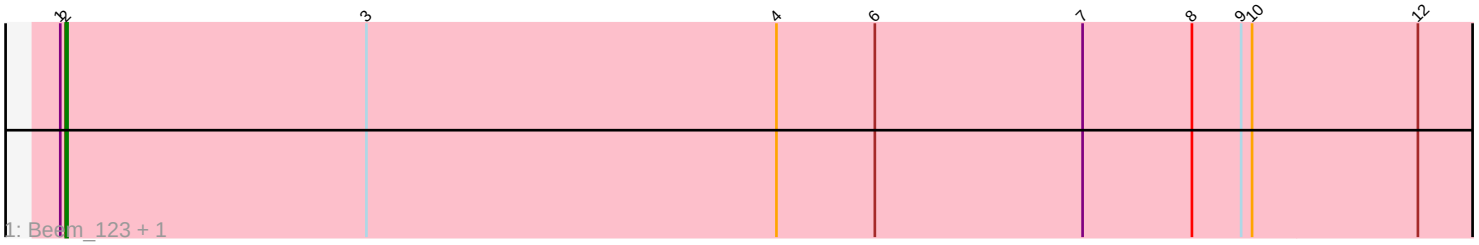
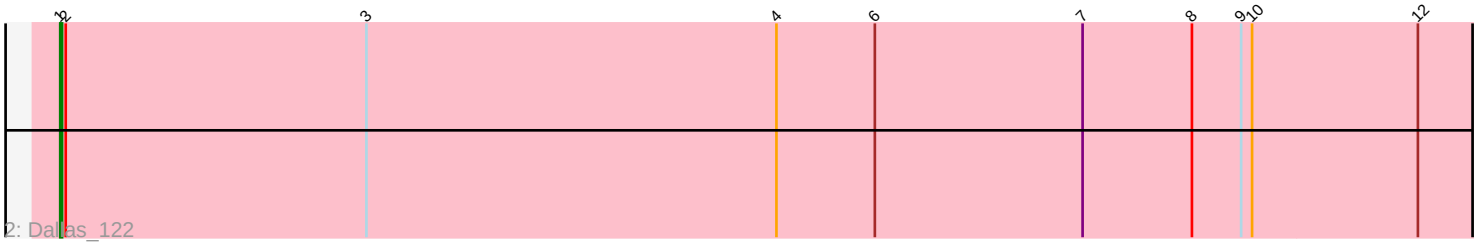
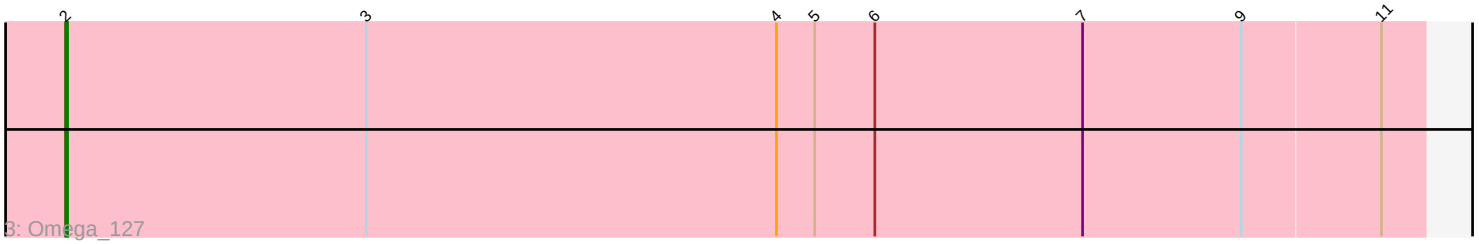
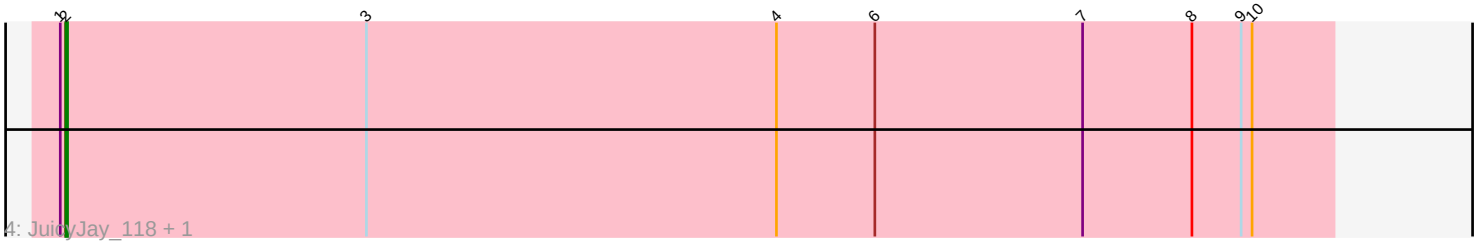
Pham 87807


1
2
3
4
6
7
8
9
10
12
1: Beam_123 + 1


1
2
3
4
6
7
8
9
10
12
2: Dallas_122


2
3
4
5
6
7
9
11
3: Omega_127


1
2
3
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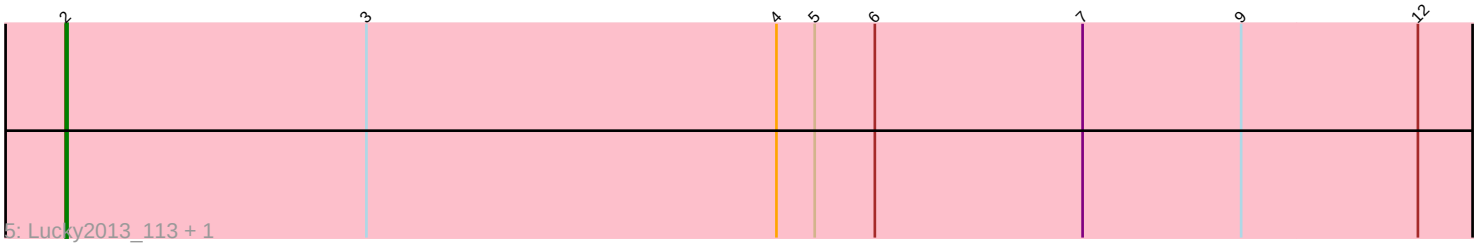
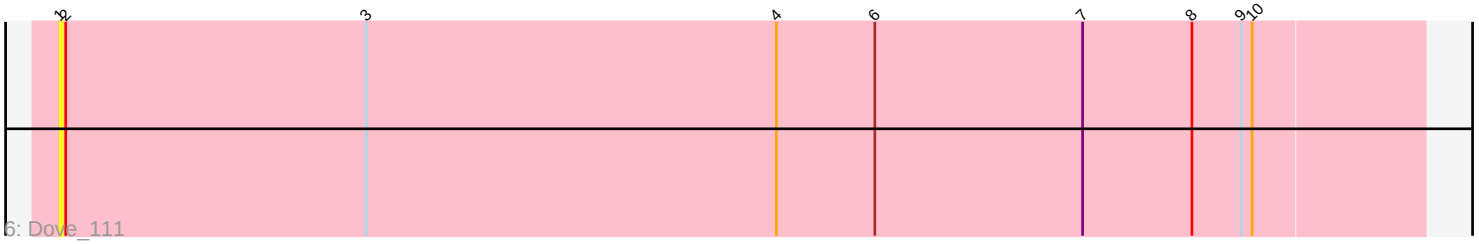
9
10
4: JuicyJay_118 + 1


2
3
4
5
6
7
9
12
5: Lucky2013_113 + 1


1
2
3
4
6
7
8
9
10
6: Dove_111

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 87807 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87807 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Beem_123, Phoebus_122
• Track 2 : Dallas_122
• Track 3 : Omega_127
• Track 4 : JuicyJay_118, NihilNomen_123
• Track 5 : Lucky2013_113, Porcelain_116
• Track 6 : Dove_111

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 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beem_123, JuicyJay_118, Lucky2013_113, NihilNomen_123, Omega_127, Phoebus_122, Porcelain_116,

Genes that have the "Most Annotated" start but do not call it:
• Dallas_122, Dove_111,

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

Summary by start number:

Start 1:
• Found in 6 of 9 (66.7%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Dallas_122 (J), Dove_111 (J),

Start 2:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 77.8% of time when present

• Phage (with cluster) where this start called: Beem_123 (J), JuicyJay_118 (J), Lucky2013_113 (J), NihilNomen_123 (J), Omega_127 (J), Phoebus_122 (J), Porcelain_116 (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 7 times for cluster J.

Gene Information:

Gene: Beem_123 Start: 68477, Stop: 69316, Start Num: 2
Candidate Starts for Beem_123:
(Start: 1 @68474 has 1 MA's), (Start: 2 @68477 has 7 MA's), (3, 68642), (4, 68867), (6, 68921), (7, 69035), (8, 69095), (9, 69122), (10, 69128), (12, 69218),

Gene: Dallas_122 Start: 67989, Stop: 68831, Start Num: 1
Candidate Starts for Dallas_122:
(Start: 1 @67989 has 1 MA's), (Start: 2 @67992 has 7 MA's), (3, 68157), (4, 68382), (6, 68436), (7, 68550), (8, 68610), (9, 68637), (10, 68643), (12, 68733),

Gene: Dove_111 Start: 62903, Stop: 63649, Start Num: 1
Candidate Starts for Dove_111:
(Start: 1 @62903 has 1 MA's), (Start: 2 @62906 has 7 MA's), (3, 63071), (4, 63296), (6, 63350), (7, 63464), (8, 63524), (9, 63551), (10, 63557),

Gene: JuicyJay_118 Start: 69612, Stop: 70307, Start Num: 2
Candidate Starts for JuicyJay_118:
(Start: 1 @69609 has 1 MA's), (Start: 2 @69612 has 7 MA's), (3, 69777), (4, 70002), (6, 70056), (7, 70170), (8, 70230), (9, 70257), (10, 70263),

Gene: Lucky2013_113 Start: 62899, Stop: 63738, Start Num: 2
Candidate Starts for Lucky2013_113:
(Start: 2 @62899 has 7 MA's), (3, 63064), (4, 63289), (5, 63310), (6, 63343), (7, 63457), (9, 63544), (12, 63640),

Gene: NihilNomen_123 Start: 67564, Stop: 68259, Start Num: 2
Candidate Starts for NihilNomen_123:
(Start: 1 @67561 has 1 MA's), (Start: 2 @67564 has 7 MA's), (3, 67729), (4, 67954), (6, 68008), (7, 68122), (8, 68182), (9, 68209), (10, 68215),

Gene: Omega_127 Start: 67900, Stop: 68643, Start Num: 2
Candidate Starts for Omega_127:
(Start: 2 @67900 has 7 MA's), (3, 68065), (4, 68290), (5, 68311), (6, 68344), (7, 68458), (9, 68545), (11, 68620),

Gene: Phoebus_122 Start: 69422, Stop: 70261, Start Num: 2
Candidate Starts for Phoebus_122:

(Start: 1 @69419 has 1 MA's), (Start: 2 @69422 has 7 MA's), (3, 69587), (4, 69812), (6, 69866), (7, 69980), (8, 70040), (9, 70067), (10, 70073), (12, 70163),

Gene: Porcelain_116 Start: 63845, Stop: 64684, Start Num: 2
Candidate Starts for Porcelain_116:
(Start: 2 @63845 has 7 MA's), (3, 64010), (4, 64235), (5, 64256), (6, 64289), (7, 64403), (9, 64490), (12, 64586),