Pham 4509

1: Bobby_7 + 9

2: MiaZeal_6 + 1

3: Lucky2013_6 + 2

4: Bagrid_4

5: Squint_6
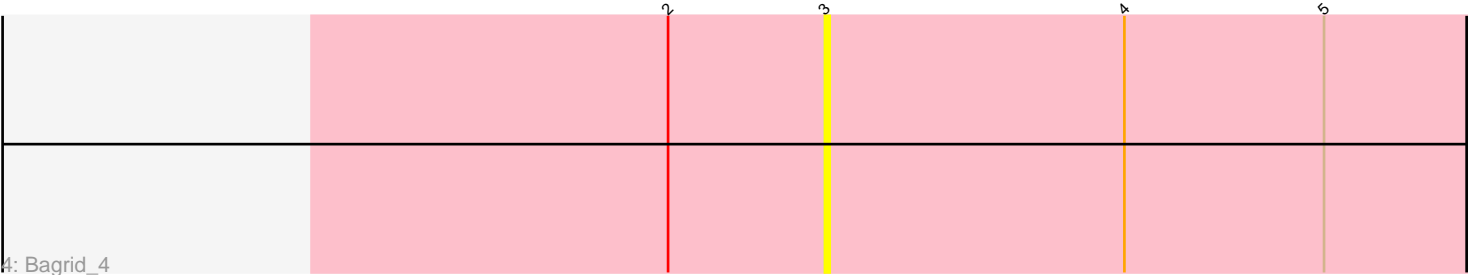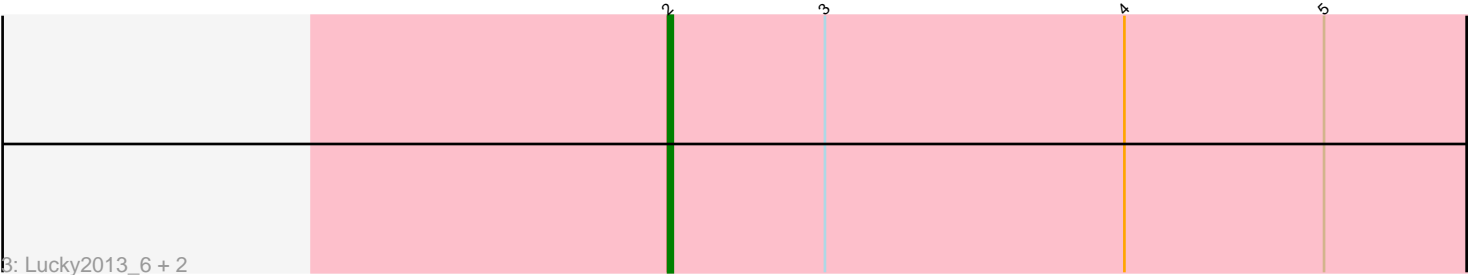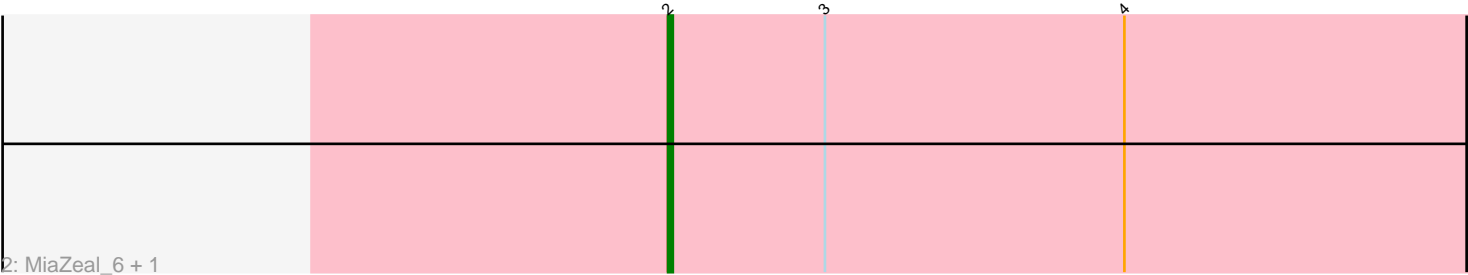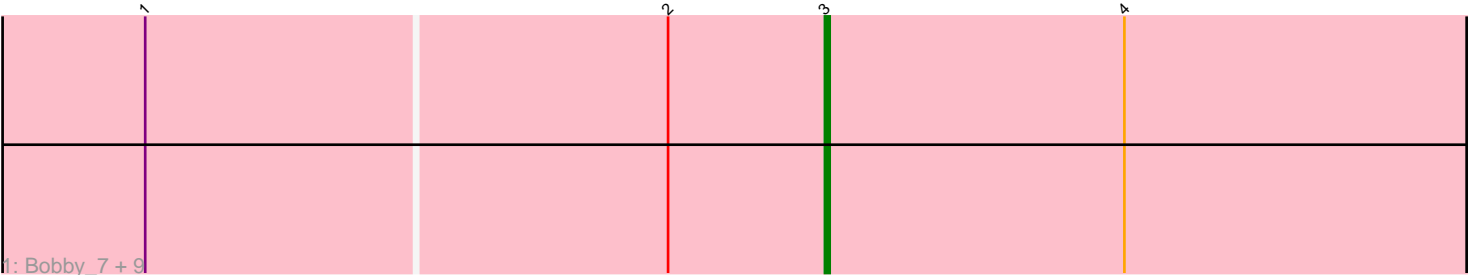
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 4509 Report

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

Pham number 4509 has 17 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Bobby_7, EricMillard_6, Beem_6, Halley_6, Phoebus_6, Ejimix_7, Dallas_5, Zelink_6, Odette_5, JuicyJay_7
• Track 2 : MiaZeal_6, Porcelain_6
• Track 3 : Lucky2013_6, Hughesyang_5, DmpstrDiver_5
• Track 4 : Bagrid_4
• Track 5 : Squint_6

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

The start number called the most often in the published annotations is 3, it was called in 10 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bagrid_4, Beem_6, Bobby_7, Dallas_5, Ejimix_7, EricMillard_6, Halley_6, JuicyJay_7, Odette_5, Phoebus_6, Squint_6, Zelink_6,

Genes that have the "Most Annotated" start but do not call it:
• DmpstrDiver_5, Hughesyang_5, Lucky2013_6, MiaZeal_6, Porcelain_6,

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

Summary by start number:

Start 2:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 15
• Called 29.4% of time when present
• Phage (with cluster) where this start called: DmpstrDiver_5 (J), Hughesyang_5 (J), Lucky2013_6 (J), MiaZeal_6 (J), Porcelain_6 (J),

Start 3:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 15

• Called 70.6% of time when present
• Phage (with cluster) where this start called: Bagrid_4 (J), Beem_6 (J), Bobby_7 (J), Dallas_5 (J), Ejimix_7 (J), EricMillard_6 (J), Halley_6 (J), JuicyJay_7 (J), Odette_5 (J), Phoebus_6 (J), Squint_6 (J), Zelink_6 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 2 was manually annotated 5 times for cluster J.
•Start number 3 was manually annotated 10 times for cluster J.

Gene Information:

Gene: Bagrid_4 Start: 1615, Stop: 1848, Start Num: 3
Candidate Starts for Bagrid_4:
(Start: 2 @1582 has 5 MA's), (Start: 3 @1615 has 10 MA's), (4, 1678), (5, 1720),

Gene: Beem_6 Start: 2181, Stop: 2414, Start Num: 3
Candidate Starts for Beem_6:
(1, 2040), (Start: 2 @2148 has 5 MA's), (Start: 3 @2181 has 10 MA's), (4, 2244),

Gene: Bobby_7 Start: 2916, Stop: 3149, Start Num: 3
Candidate Starts for Bobby_7:
(1, 2775), (Start: 2 @2883 has 5 MA's), (Start: 3 @2916 has 10 MA's), (4, 2979),

Gene: Dallas_5 Start: 1720, Stop: 1953, Start Num: 3
Candidate Starts for Dallas_5:
(1, 1579), (Start: 2 @1687 has 5 MA's), (Start: 3 @1720 has 10 MA's), (4, 1783),

Gene: DmpstrDiver_5 Start: 2328, Stop: 2594, Start Num: 2
Candidate Starts for DmpstrDiver_5:
(Start: 2 @2328 has 5 MA's), (Start: 3 @2361 has 10 MA's), (4, 2424), (5, 2466),

Gene: Ejimix_7 Start: 2931, Stop: 3164, Start Num: 3
Candidate Starts for Ejimix_7:
(1, 2790), (Start: 2 @2898 has 5 MA's), (Start: 3 @2931 has 10 MA's), (4, 2994),

Gene: EricMillard_6 Start: 2466, Stop: 2699, Start Num: 3
Candidate Starts for EricMillard_6:
(1, 2325), (Start: 2 @2433 has 5 MA's), (Start: 3 @2466 has 10 MA's), (4, 2529),

Gene: Halley_6 Start: 2181, Stop: 2414, Start Num: 3
Candidate Starts for Halley_6:
(1, 2040), (Start: 2 @2148 has 5 MA's), (Start: 3 @2181 has 10 MA's), (4, 2244),

Gene: Hughesyang_5 Start: 2328, Stop: 2594, Start Num: 2
Candidate Starts for Hughesyang_5:
(Start: 2 @2328 has 5 MA's), (Start: 3 @2361 has 10 MA's), (4, 2424), (5, 2466),

Gene: JuicyJay_7 Start: 3014, Stop: 3244, Start Num: 3
Candidate Starts for JuicyJay_7:
(1, 2873), (Start: 2 @2981 has 5 MA's), (Start: 3 @3014 has 10 MA's), (4, 3074),

Gene: Lucky2013_6 Start: 2502, Stop: 2768, Start Num: 2
Candidate Starts for Lucky2013_6:
(Start: 2 @2502 has 5 MA's), (Start: 3 @2535 has 10 MA's), (4, 2598), (5, 2640),

Gene: MiaZeal_6 Start: 2571, Stop: 2837, Start Num: 2
Candidate Starts for MiaZeal_6:
(Start: 2 @2571 has 5 MA's), (Start: 3 @2604 has 10 MA's), (4, 2667),

Gene: Odette_5 Start: 1719, Stop: 1952, Start Num: 3
Candidate Starts for Odette_5:
(1, 1578), (Start: 2 @1686 has 5 MA's), (Start: 3 @1719 has 10 MA's), (4, 1782),

Gene: Phoebus_6 Start: 2466, Stop: 2699, Start Num: 3
Candidate Starts for Phoebus_6:
(1, 2325), (Start: 2 @2433 has 5 MA's), (Start: 3 @2466 has 10 MA's), (4, 2529),

Gene: Porcelain_6 Start: 2571, Stop: 2837, Start Num: 2
Candidate Starts for Porcelain_6:
(Start: 2 @2571 has 5 MA's), (Start: 3 @2604 has 10 MA's), (4, 2667),

Gene: Squint_6 Start: 2535, Stop: 2768, Start Num: 3
Candidate Starts for Squint_6:
(Start: 2 @2502 has 5 MA's), (Start: 3 @2535 has 10 MA's), (4, 2598),

Gene: Zelink_6 Start: 2264, Stop: 2497, Start Num: 3
Candidate Starts for Zelink_6:
(1, 2123), (Start: 2 @2231 has 5 MA's), (Start: 3 @2264 has 10 MA's), (4, 2327),