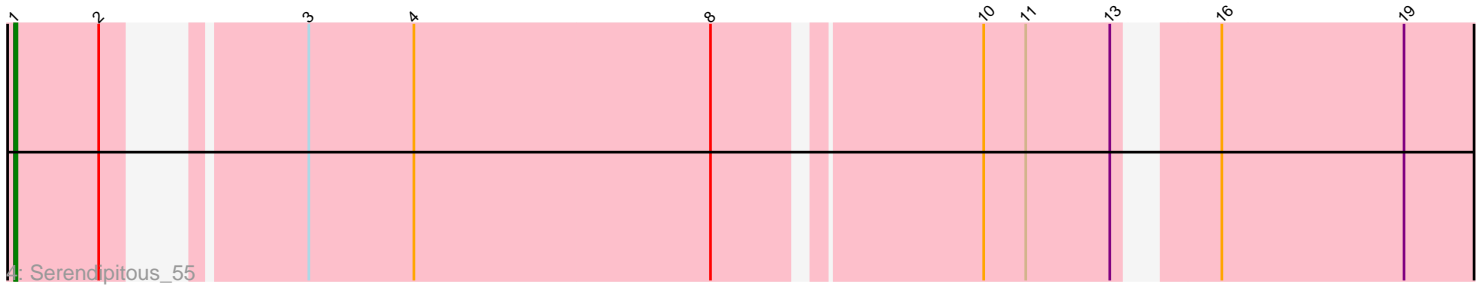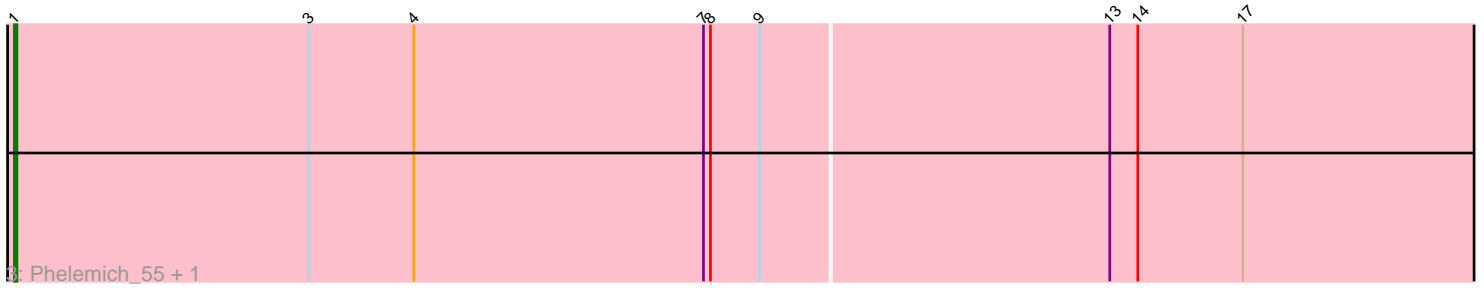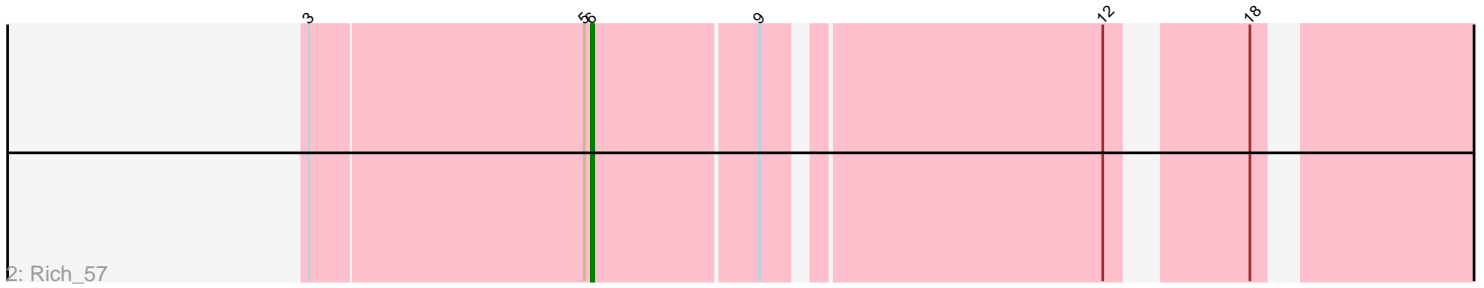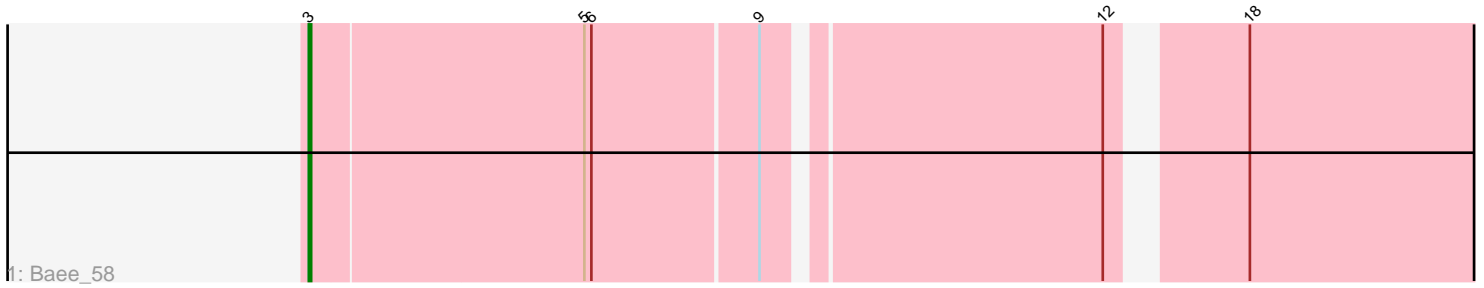# Pham 164212

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 164212 Report

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

Pham number 164212 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Baee_58
• Track 2 : Rich_57
• Track 3 : Phelemich_55, Reprobate_56
• Track 4 : Serendipitous_55
• Track 5 : Mysterious_57

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

The start number called the most often in the published annotations is 1, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Mysterious_57, Phelemich_55, Reprobate_56, Serendipitous_55,

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

Genes that do not have the "Most Annotated" start:
• Baee_58, Rich_57,

Summary by start number:

Start 1:
• Found in 4 of 6 (66.7%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mysterious_57 (B5), Phelemich_55 (B5), Reprobate_56 (B5), Serendipitous_55 (B5),

Start 3:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Baee_58 (B5),

Start 6:
• Found in 2 of 6 (33.3%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Rich_57 (B5),

Summary by clusters:

There is one cluster represented in this pham: B5

Info for manual annotations of cluster B5:
•Start number 1 was manually annotated 3 times for cluster B5.
•Start number 3 was manually annotated 1 time for cluster B5.
•Start number 6 was manually annotated 1 time for cluster B5.

Gene Information:
Gene: Baee_58 Start: 53704, Stop: 53204, Start Num: 3
Candidate Starts for Baee_58:
(Start: 3 @53704 has 1 MA's), (5, 53590), (Start: 6 @53587 has 1 MA's), (9, 53518), (12, 53383), (18, 53338),

Gene: Mysterious_57 Start: 52741, Stop: 52097, Start Num: 1
Candidate Starts for Mysterious_57:
(Start: 1 @52741 has 3 MA's), (Start: 3 @52615 has 1 MA's), (7, 52447), (9, 52423), (13, 52273), (15, 52258), (17, 52216),

Gene: Phelemich_55 Start: 52737, Stop: 52096, Start Num: 1
Candidate Starts for Phelemich_55:
(Start: 1 @52737 has 3 MA's), (Start: 3 @52611 has 1 MA's), (4, 52566), (7, 52443), (8, 52440), (9, 52419), (13, 52272), (14, 52260), (17, 52215),

Gene: Reprobate_56 Start: 52742, Stop: 52101, Start Num: 1
Candidate Starts for Reprobate_56:
(Start: 1 @52742 has 3 MA's), (Start: 3 @52616 has 1 MA's), (4, 52571), (7, 52448), (8, 52445), (9, 52424), (13, 52277), (14, 52265), (17, 52220),

Gene: Rich_57 Start: 53862, Stop: 53494, Start Num: 6
Candidate Starts for Rich_57:
(Start: 3 @53979 has 1 MA's), (5, 53865), (Start: 6 @53862 has 1 MA's), (9, 53793), (12, 53658), (18, 53613),

Gene: Serendipitous_55 Start: 51901, Stop: 51308, Start Num: 1
Candidate Starts for Serendipitous_55:
(Start: 1 @51901 has 3 MA's), (2, 51865), (Start: 3 @51808 has 1 MA's), (4, 51763), (8, 51637), (10, 51532), (11, 51514), (13, 51478), (16, 51448), (19, 51370),