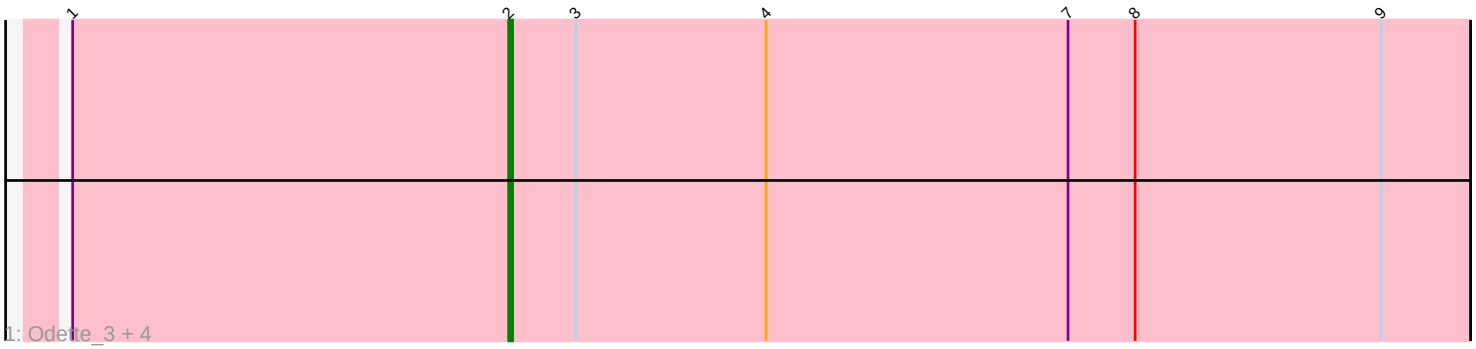
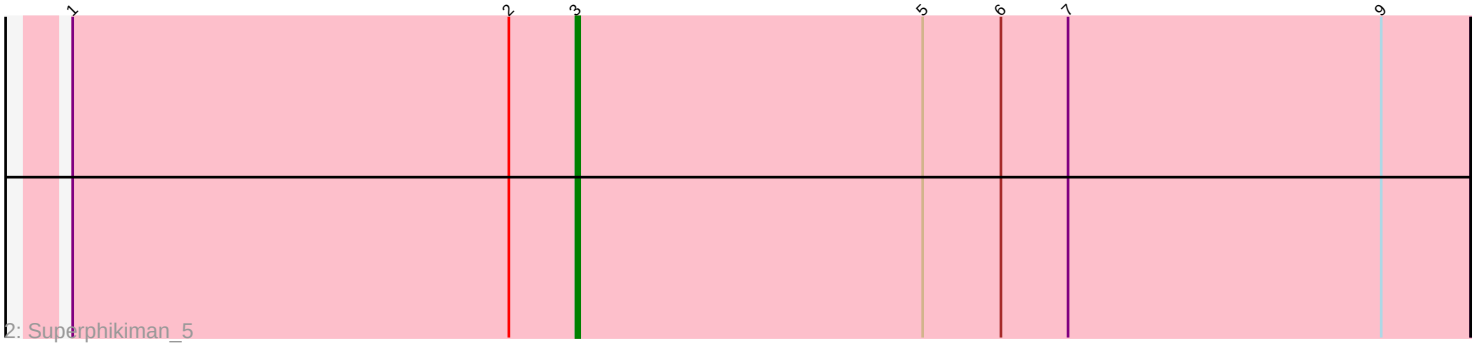
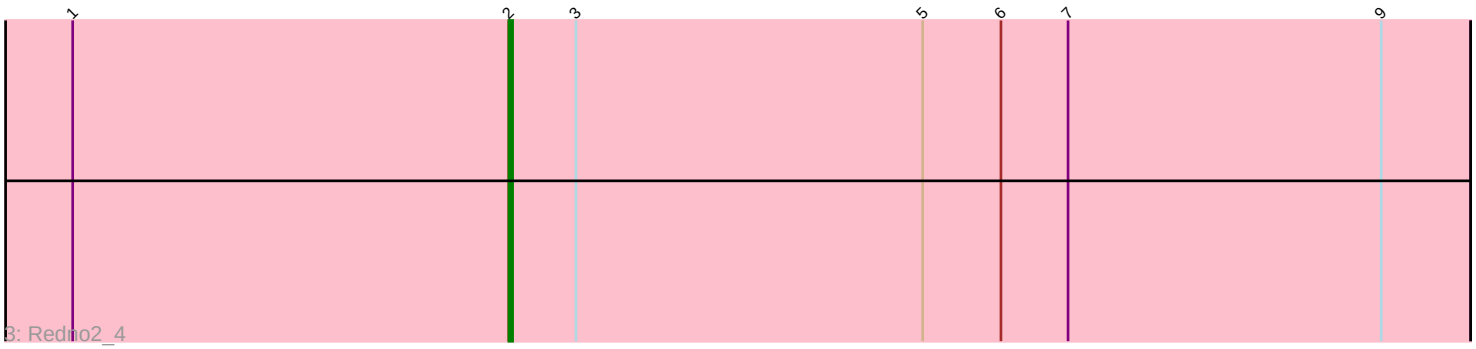
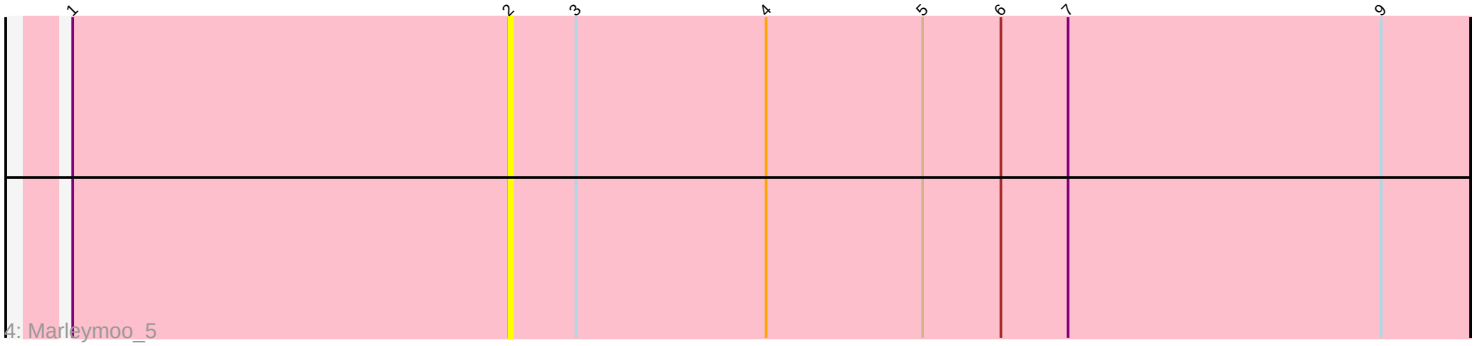
Pham 348317


1
2
3
4
7
8
9
1: Odette_3 + 4


1
2
3
5
6
7
9
2: Superphikiman_5


1
2
3
5
6
7
9
3: Redno2_4


1
2
3
4
5
6
7
9
4: Marleymoo_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 348317 Report

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

Pham number 348317 has 8 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Odette_3, Bombitas_3, Thibault_4, Dallas_3, Xiaokay_3
• Track 2 : Superphikiman_5
• Track 3 : Redno2_4
• Track 4 : Marleymoo_5

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 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bombitas_3, Dallas_3, Marleymoo_5, Odette_3, Redno2_4, Thibault_4, Xiaokay_3,

Genes that have the "Most Annotated" start but do not call it:
• Superphikiman_5,

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

Summary by start number:

Start 2:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Bombitas_3 (J), Dallas_3 (J), Marleymoo_5 (J), Odette_3 (J), Redno2_4 (J), Thibault_4 (J), Xiaokay_3 (J),

Start 3:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Superphikiman_5 (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 4 times for cluster J.
•Start number 3 was manually annotated 1 time for cluster J.

Gene Information:

Gene: Bombitas_3 Start: 1233, Stop: 1490, Start Num: 2
Candidate Starts for Bombitas_3:
(1, 1116), (Start: 2 @1233 has 4 MA's), (Start: 3 @1251 has 1 MA's), (4, 1302), (7, 1383), (8, 1401), (9, 1467),

Gene: Dallas_3 Start: 1233, Stop: 1490, Start Num: 2
Candidate Starts for Dallas_3:
(1, 1116), (Start: 2 @1233 has 4 MA's), (Start: 3 @1251 has 1 MA's), (4, 1302), (7, 1383), (8, 1401), (9, 1467),

Gene: Marleymoo_5 Start: 2524, Stop: 2781, Start Num: 2
Candidate Starts for Marleymoo_5:
(1, 2407), (Start: 2 @2524 has 4 MA's), (Start: 3 @2542 has 1 MA's), (4, 2593), (5, 2635), (6, 2656), (7, 2674), (9, 2758),

Gene: Odette_3 Start: 1232, Stop: 1489, Start Num: 2
Candidate Starts for Odette_3:
(1, 1115), (Start: 2 @1232 has 4 MA's), (Start: 3 @1250 has 1 MA's), (4, 1301), (7, 1382), (8, 1400), (9, 1466),

Gene: Redno2_4 Start: 1694, Stop: 1951, Start Num: 2
Candidate Starts for Redno2_4:
(1, 1577), (Start: 2 @1694 has 4 MA's), (Start: 3 @1712 has 1 MA's), (5, 1805), (6, 1826), (7, 1844), (9, 1928),

Gene: Superphikiman_5 Start: 2546, Stop: 2785, Start Num: 3
Candidate Starts for Superphikiman_5:
(1, 2411), (Start: 2 @2528 has 4 MA's), (Start: 3 @2546 has 1 MA's), (5, 2639), (6, 2660), (7, 2678), (9, 2762),

Gene: Thibault_4 Start: 1979, Stop: 2236, Start Num: 2
Candidate Starts for Thibault_4:
(1, 1862), (Start: 2 @1979 has 4 MA's), (Start: 3 @1997 has 1 MA's), (4, 2048), (7, 2129), (8, 2147), (9, 2213),

Gene: Xiaokay_3 Start: 1232, Stop: 1489, Start Num: 2
Candidate Starts for Xiaokay_3:
(1, 1115), (Start: 2 @1232 has 4 MA's), (Start: 3 @1250 has 1 MA's), (4, 1301), (7, 1382), (8, 1400), (9, 1466),