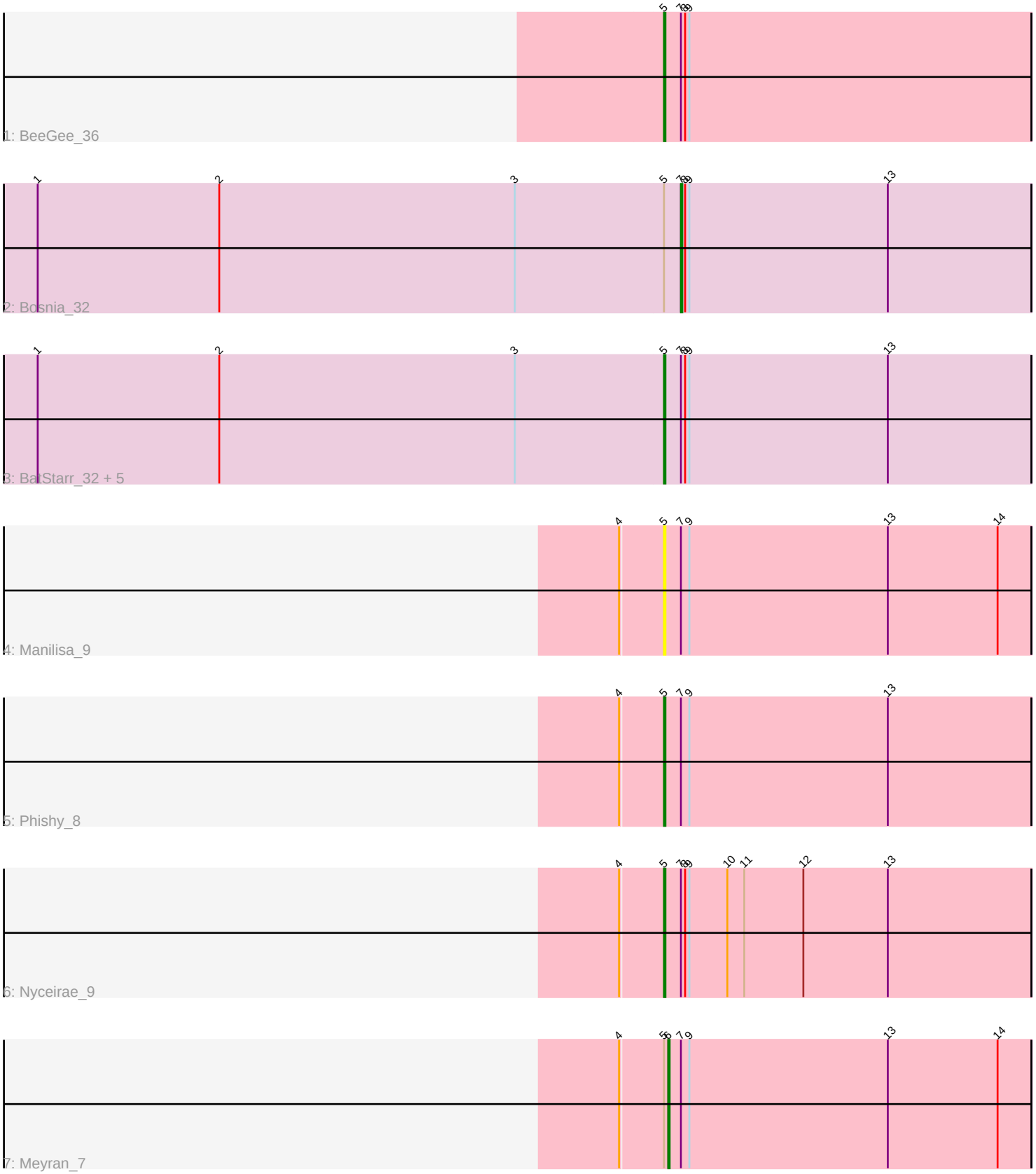
Pham 297140


1: BeeGee_36
2: Bosnia_32
3: BatStarr_32 + 5
4: Manilisa_9
5: Phishy_8
6: Nyceirae_9
7: Meyran_7

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 297140 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297140 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : BeeGee_36
• Track 2 : Bosnia_32
• Track 3 : BatStarr_32, Herod_32, Nymphadora_32, Hugley_31, Eviarto_32, TimTam_32
• Track 4 : Manilisa_9
• Track 5 : Phishy_8
• Track 6 : Nyceirae_9
• Track 7 : Meyran_7

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

The start number called the most often in the published annotations is 5, it was called in 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BatStarr_32, BeeGee_36, Eviarto_32, Herod_32, Hugley_31, Manilisa_9, Nyceirae_9, Nymphadora_32, Phishy_8, TimTam_32,

Genes that have the "Most Annotated" start but do not call it:
• Bosnia_32, Meyran_7,

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

Summary by start number:

Start 5:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 10
• Called 83.3% of time when present
• Phage (with cluster) where this start called: BatStarr_32 (CZ1), BeeGee_36 (CY5), Eviarto_32 (CZ1), Herod_32 (CZ1), Hugley_31 (CZ1), Manilisa_9 (DT), Nyceirae_9 (DT), Nymphadora_32 (CZ1), Phishy_8 (DT), TimTam_32 (CZ1),

Start 6:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Meyran_7 (DT),

Start 7:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Bosnia_32 (CZ1),

Summary by clusters:

There are 3 clusters represented in this pham: DT, CZ1, CY5,

Info for manual annotations of cluster CY5:
•Start number 5 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CZ1:
•Start number 5 was manually annotated 5 times for cluster CZ1.
•Start number 7 was manually annotated 1 time for cluster CZ1.

Info for manual annotations of cluster DT:
•Start number 5 was manually annotated 2 times for cluster DT.
•Start number 6 was manually annotated 1 time for cluster DT.

Gene Information:

Gene: BatStarr_32 Start: 28866, Stop: 29126, Start Num: 5
Candidate Starts for BatStarr_32:
(1, 28422), (2, 28551), (3, 28761), (Start: 5 @28866 has 8 MA's), (Start: 7 @28878 has 1 MA's), (8, 28881), (9, 28884), (13, 29025),

Gene: BeeGee_36 Start: 29645, Stop: 29905, Start Num: 5
Candidate Starts for BeeGee_36:
(Start: 5 @29645 has 8 MA's), (Start: 7 @29657 has 1 MA's), (8, 29660), (9, 29663),

Gene: Bosnia_32 Start: 28878, Stop: 29126, Start Num: 7
Candidate Starts for Bosnia_32:
(1, 28422), (2, 28551), (3, 28761), (Start: 5 @28866 has 8 MA's), (Start: 7 @28878 has 1 MA's), (8, 28881), (9, 28884), (13, 29025),

Gene: Eviarto_32 Start: 28842, Stop: 29102, Start Num: 5
Candidate Starts for Eviarto_32:
(1, 28398), (2, 28527), (3, 28737), (Start: 5 @28842 has 8 MA's), (Start: 7 @28854 has 1 MA's), (8, 28857), (9, 28860), (13, 29001),

Gene: Herod_32 Start: 28866, Stop: 29126, Start Num: 5
Candidate Starts for Herod_32:

(1, 28422), (2, 28551), (3, 28761), (Start: 5 @28866 has 8 MA's), (Start: 7 @28878 has 1 MA's), (8, 28881), (9, 28884), (13, 29025),

Gene: Hugley_31 Start: 28865, Stop: 29125, Start Num: 5
Candidate Starts for Hugley_31:
(1, 28421), (2, 28550), (3, 28760), (Start: 5 @28865 has 8 MA's), (Start: 7 @28877 has 1 MA's), (8, 28880), (9, 28883), (13, 29024),

Gene: Manilisa_9 Start: 6442, Stop: 6702, Start Num: 5
Candidate Starts for Manilisa_9:
(4, 6412), (Start: 5 @6442 has 8 MA's), (Start: 7 @6454 has 1 MA's), (9, 6460), (13, 6601), (14, 6679),

Gene: Meyran_7 Start: 6273, Stop: 6530, Start Num: 6
Candidate Starts for Meyran_7:
(4, 6240), (Start: 5 @6270 has 8 MA's), (Start: 6 @6273 has 1 MA's), (Start: 7 @6282 has 1 MA's), (9, 6288), (13, 6429), (14, 6507),

Gene: Nyceirae_9 Start: 6259, Stop: 6519, Start Num: 5
Candidate Starts for Nyceirae_9:
(4, 6229), (Start: 5 @6259 has 8 MA's), (Start: 7 @6271 has 1 MA's), (8, 6274), (9, 6277), (10, 6304), (11, 6316), (12, 6358), (13, 6418),

Gene: Nymphadora_32 Start: 28866, Stop: 29126, Start Num: 5
Candidate Starts for Nymphadora_32:
(1, 28422), (2, 28551), (3, 28761), (Start: 5 @28866 has 8 MA's), (Start: 7 @28878 has 1 MA's), (8, 28881), (9, 28884), (13, 29025),

Gene: Phishy_8 Start: 6231, Stop: 6491, Start Num: 5
Candidate Starts for Phishy_8:
(4, 6201), (Start: 5 @6231 has 8 MA's), (Start: 7 @6243 has 1 MA's), (9, 6249), (13, 6390),

Gene: TimTam_32 Start: 28866, Stop: 29126, Start Num: 5
Candidate Starts for TimTam_32:
(1, 28422), (2, 28551), (3, 28761), (Start: 5 @28866 has 8 MA's), (Start: 7 @28878 has 1 MA's), (8, 28881), (9, 28884), (13, 29025),