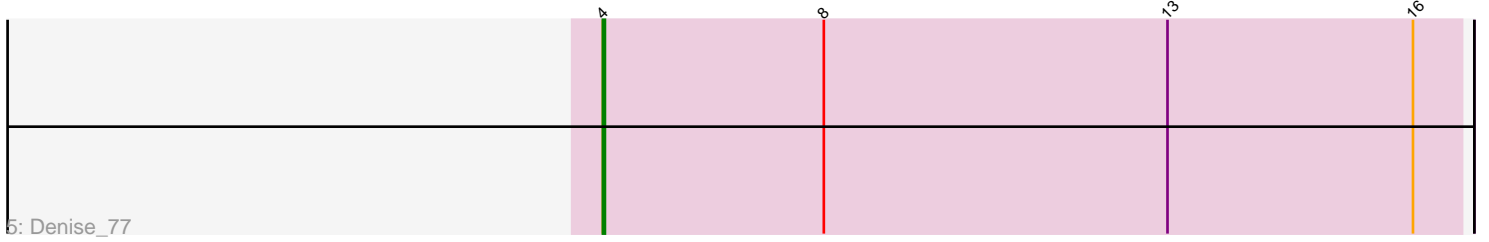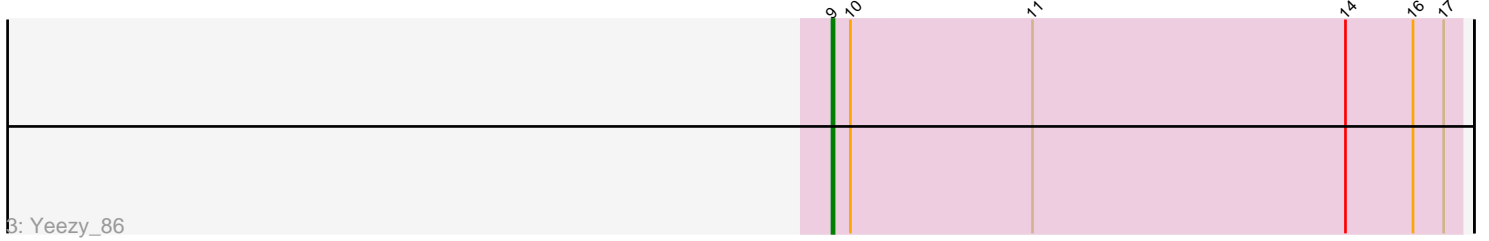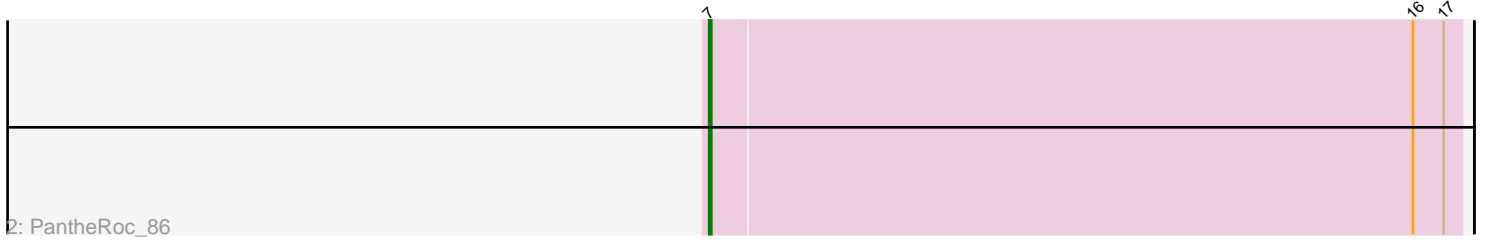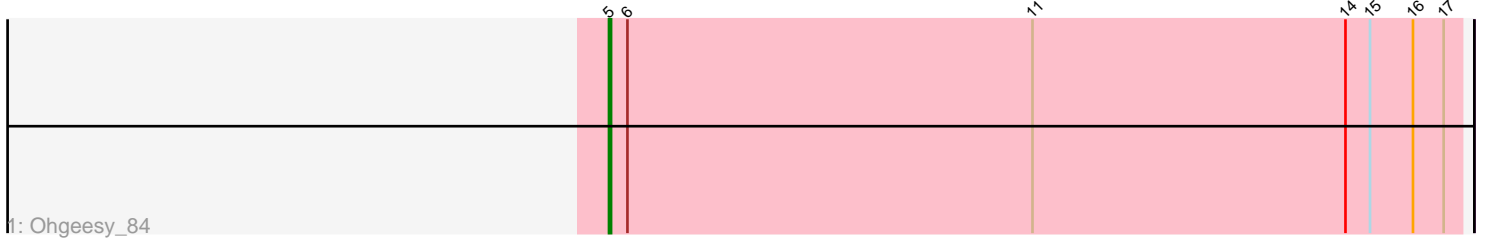# Pham 225093

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 225093 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225093 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Ohgeesy_84
• Track 2 : PantheRoc_86
• Track 3 : Yeezy_86
• Track 4 : Adora_76, Twinkle_78, Hortense_79, Howe_79, Shlim410_77
• Track 5 : Denise_77
• Track 6 : Zodiariah_72

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adora_76, Denise_77, Hortense_79, Howe_79, Shlim410_77, Twinkle_78, Zodiariah_72,

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

Genes that do not have the "Most Annotated" start:
• Ohgeesy_84, PantheRoc_86, Yeezy_86,

Summary by start number:

Start 4:
• Found in 7 of 10 (70.0%) of genes in pham
• Manual Annotations of this start: 6 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adora_76 (CZ4), Denise_77 (CZ5), Hortense_79 (CZ4), Howe_79 (CZ4), Shlim410_77 (CZ4), Twinkle_78 (CZ4), Zodiariah_72 (DW),

Start 5:
• Found in 1 of 10 (10.0%) of genes in pham

• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ohgeesy_84 (CZ),

Start 7:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PantheRoc_86 (CZ3),

Start 9:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Yeezy_86 (CZ3),

Summary by clusters:

There are 5 clusters represented in this pham: CZ, DW, CZ5, CZ4, CZ3,

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

Info for manual annotations of cluster CZ3:
•Start number 7 was manually annotated 1 time for cluster CZ3.
•Start number 9 was manually annotated 1 time for cluster CZ3.

Info for manual annotations of cluster CZ4:
•Start number 4 was manually annotated 5 times for cluster CZ4.

Info for manual annotations of cluster CZ5:
•Start number 4 was manually annotated 1 time for cluster CZ5.

Gene Information:
Gene: Adora_76 Start: 50971, Stop: 51381, Start Num: 4
Candidate Starts for Adora_76:
(3, 50956), (Start: 4 @50971 has 6 MA's),

Gene: Denise_77 Start: 44257, Stop: 44676, Start Num: 4
Candidate Starts for Denise_77:
(Start: 4 @44257 has 6 MA's), (8, 44365), (13, 44533), (16, 44653),

Gene: Hortense_79 Start: 52326, Stop: 52736, Start Num: 4
Candidate Starts for Hortense_79:
(3, 52311), (Start: 4 @52326 has 6 MA's),

Gene: Howe_79 Start: 52326, Stop: 52736, Start Num: 4
Candidate Starts for Howe_79:
(3, 52311), (Start: 4 @52326 has 6 MA's),

Gene: Ohgeesy_84 Start: 52600, Stop: 53016, Start Num: 5
Candidate Starts for Ohgeesy_84:
(Start: 5 @52600 has 1 MA's), (6, 52609), (11, 52807), (14, 52960), (15, 52972), (16, 52993), (17, 53008),

Gene: PantheRoc_86 Start: 52720, Stop: 53085, Start Num: 7
Candidate Starts for PantheRoc_86:
(Start: 7 @52720 has 1 MA's), (16, 53062), (17, 53077),

Gene: Shlim410_77 Start: 52326, Stop: 52736, Start Num: 4
Candidate Starts for Shlim410_77:
(3, 52311), (Start: 4 @52326 has 6 MA's),

Gene: Twinkle_78 Start: 53385, Stop: 53795, Start Num: 4
Candidate Starts for Twinkle_78:
(3, 53370), (Start: 4 @53385 has 6 MA's),

Gene: Yeezy_86 Start: 51123, Stop: 51428, Start Num: 9
Candidate Starts for Yeezy_86:
(Start: 9 @51123 has 1 MA's), (10, 51132), (11, 51219), (14, 51372), (16, 51405), (17, 51420),

Gene: Zodiariah_72 Start: 50344, Stop: 50766, Start Num: 4
Candidate Starts for Zodiariah_72:
(1, 50083), (2, 50086), (3, 50329), (Start: 4 @50344 has 6 MA's), (12, 50599),