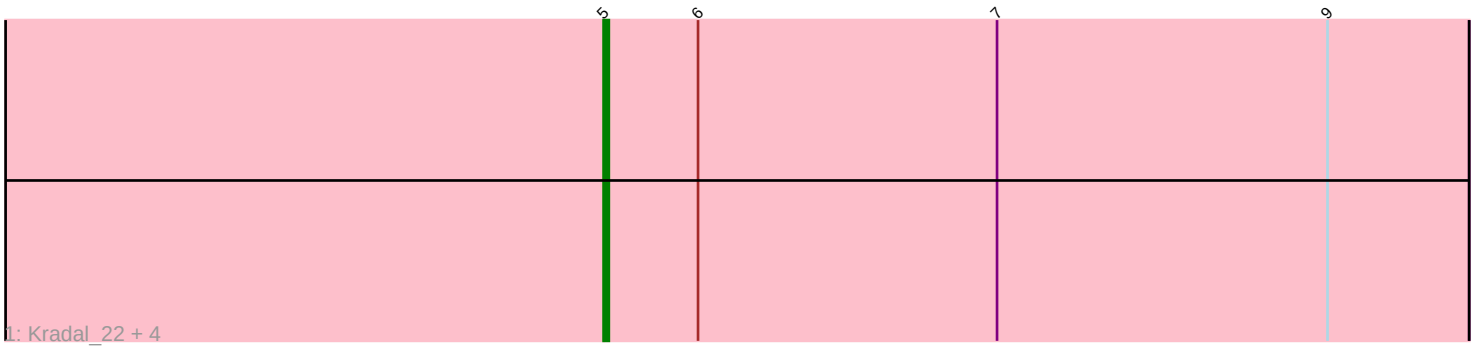
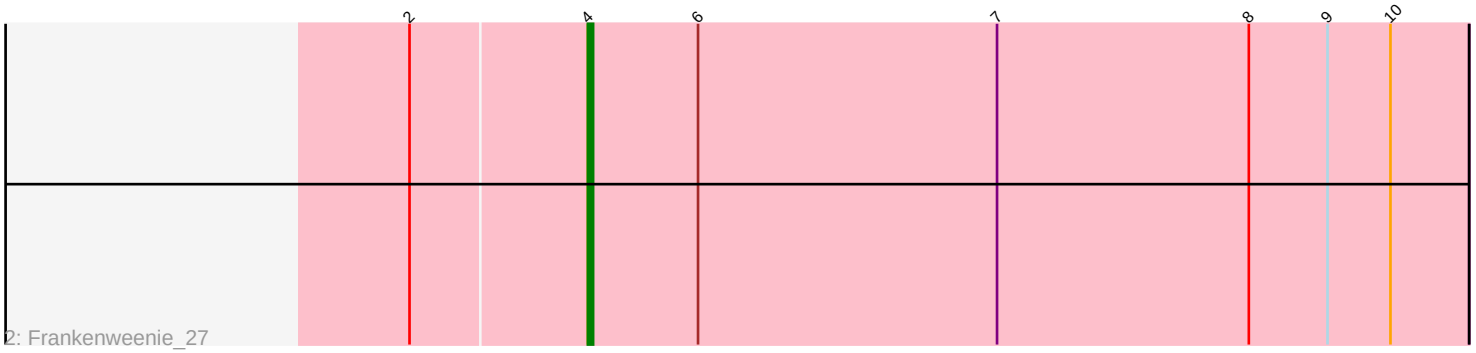
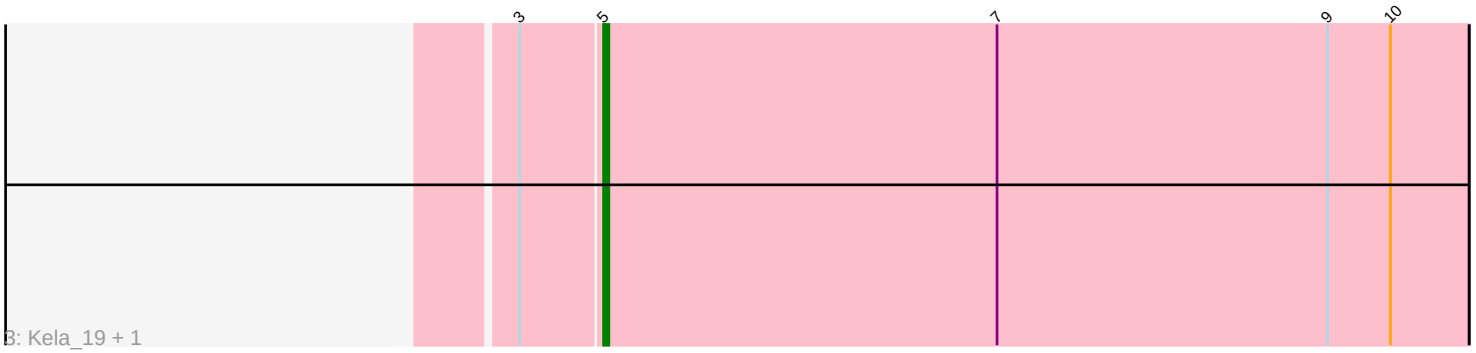
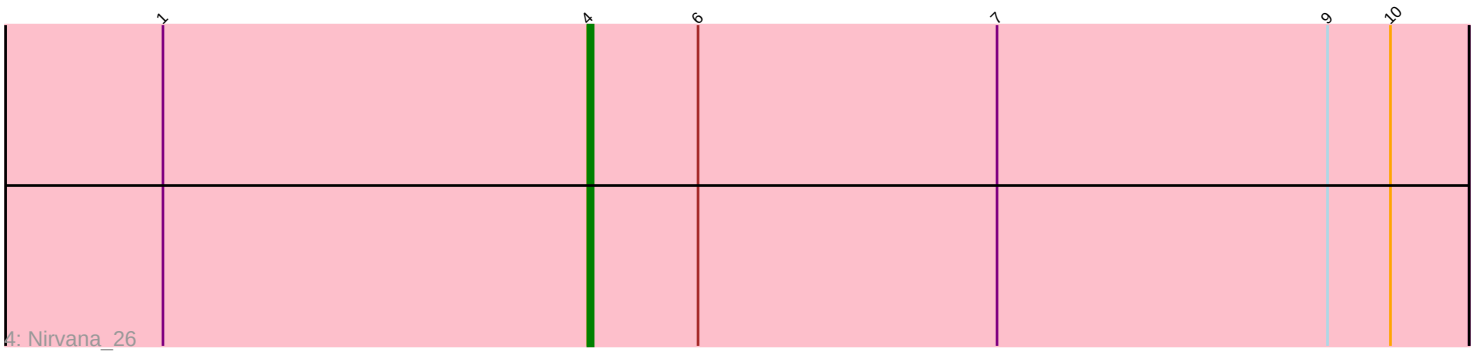
Pham 348285


5
6
7
9
1: Kradal_22 + 4


2
4
6
7
8
9
10
2: Frankenweenie_27


3
5
7
9
10
3: Kela_19 + 1


1
4
6
7
9
10
4: Nirvana_26

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 348285 Report

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

Pham number 348285 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Kradal_22, Quantum_21, EhyElimayoE_22, Satis_22, Sarkar_22
• Track 2 : Frankenweenie_27
• Track 3 : Kela_19, JustBecause_19
• Track 4 : Nirvana_26

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 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EhyElimayoE_22, JustBecause_19, Kela_19, Kradal_22, Quantum_21, Sarkar_22, Satis_22,

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

Genes that do not have the "Most Annotated" start:
• Frankenweenie_27, Nirvana_26,

Summary by start number:

Start 4:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Frankenweenie_27 (BM), Nirvana_26 (BM),

Start 5:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 7 of 9
• Called 100.0% of time when present

• Phage (with cluster) where this start called: EhyElimayoE_22 (BM), JustBecause_19 (BM), Kela_19 (BM), Kradal_22 (BM), Quantum_21 (BM), Sarkar_22 (BM), Satis_22 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:
•Start number 4 was manually annotated 2 times for cluster BM.
•Start number 5 was manually annotated 7 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_22 Start: 10257, Stop: 10093, Start Num: 5
Candidate Starts for EhyElimayoE_22:
(Start: 5 @10257 has 7 MA's), (6, 10239), (7, 10182), (9, 10119),

Gene: Frankenweenie_27 Start: 12119, Stop: 11952, Start Num: 4
Candidate Starts for Frankenweenie_27:
(2, 12152), (Start: 4 @12119 has 2 MA's), (6, 12098), (7, 12041), (8, 11993), (9, 11978), (10, 11966),

Gene: JustBecause_19 Start: 9383, Stop: 9219, Start Num: 5
Candidate Starts for JustBecause_19:
(3, 9398), (Start: 5 @9383 has 7 MA's), (7, 9308), (9, 9245), (10, 9233),

Gene: Kela_19 Start: 9374, Stop: 9210, Start Num: 5
Candidate Starts for Kela_19:
(3, 9389), (Start: 5 @9374 has 7 MA's), (7, 9299), (9, 9236), (10, 9224),

Gene: Kradal_22 Start: 10257, Stop: 10093, Start Num: 5
Candidate Starts for Kradal_22:
(Start: 5 @10257 has 7 MA's), (6, 10239), (7, 10182), (9, 10119),

Gene: Nirvana_26 Start: 12321, Stop: 12154, Start Num: 4
Candidate Starts for Nirvana_26:
(1, 12402), (Start: 4 @12321 has 2 MA's), (6, 12300), (7, 12243), (9, 12180), (10, 12168),

Gene: Quantum_21 Start: 10257, Stop: 10093, Start Num: 5
Candidate Starts for Quantum_21:
(Start: 5 @10257 has 7 MA's), (6, 10239), (7, 10182), (9, 10119),

Gene: Sarkar_22 Start: 10257, Stop: 10093, Start Num: 5
Candidate Starts for Sarkar_22:
(Start: 5 @10257 has 7 MA's), (6, 10239), (7, 10182), (9, 10119),

Gene: Satis_22 Start: 10253, Stop: 10089, Start Num: 5
Candidate Starts for Satis_22:
(Start: 5 @10253 has 7 MA's), (6, 10235), (7, 10178), (9, 10115),