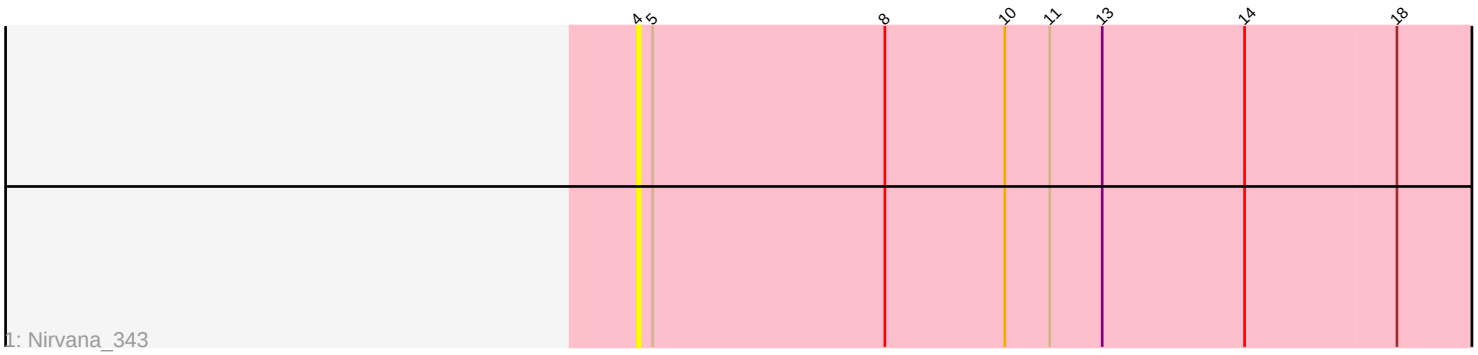
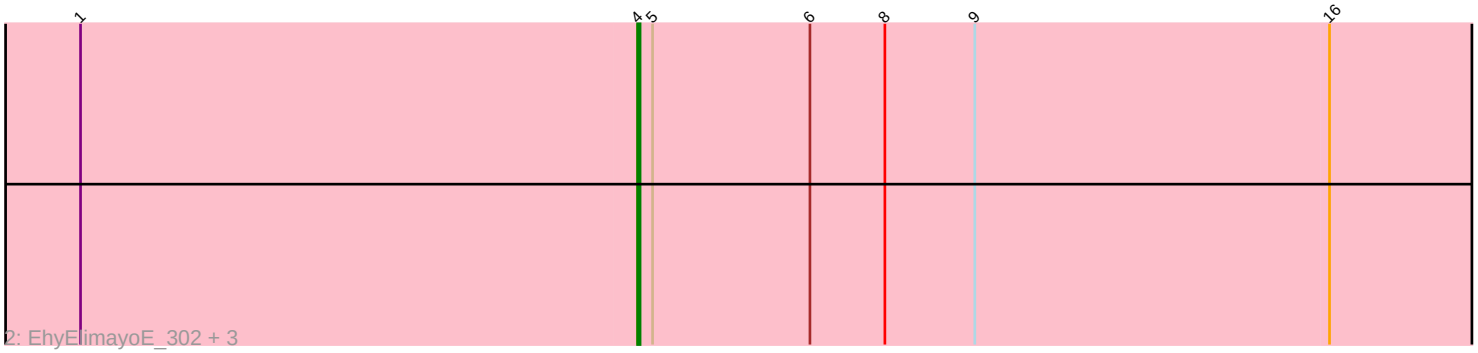
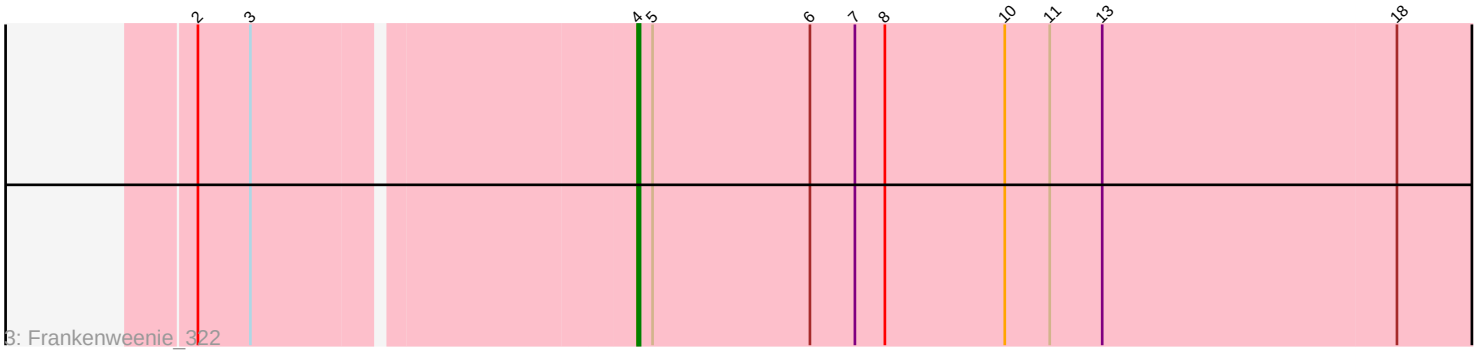
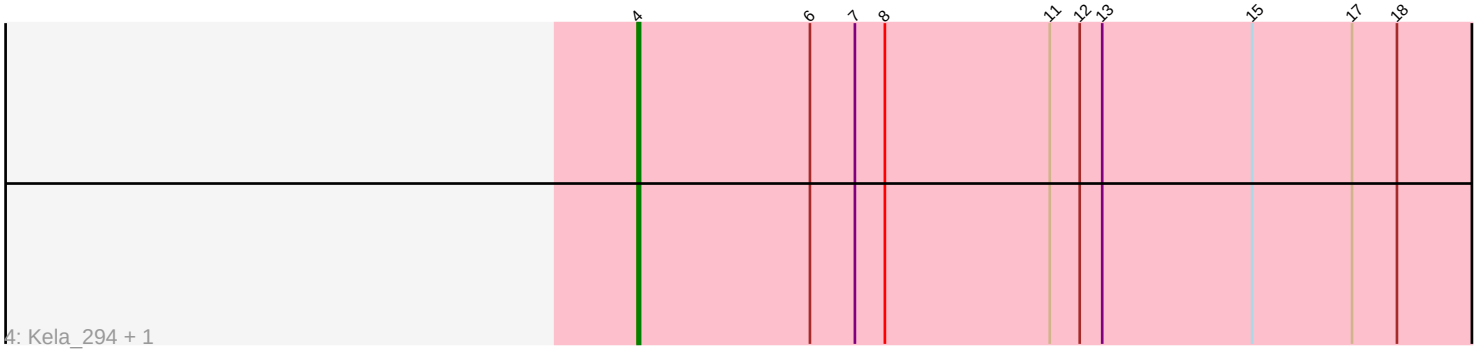
Pham 200925


4
5
8
10
11
13
14
18
1: Nirvana_343


1
4
5
6
8
9
16
2: EhyElimayoE_302 + 3


2
3
4
5
6
7
8
10
11
13
18
3: Frankenweenie_322


4
6
7
8
11
12
13
15
17
18
4: Kela_294 + 1

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 200925 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200925 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Nirvana_343
• Track 2 : EhyElimayoE_302, Kradal_299, Quantum_297, Satis_299
• Track 3 : Frankenweenie_322
• Track 4 : Kela_294, JustBecause_294

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

Genes that call this "Most Annotated" start:
• EhyElimayoE_302, Frankenweenie_322, JustBecause_294, Kela_294, Kradal_299, Nirvana_343, Quantum_297, Satis_299,

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

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

Summary by start number:

Start 4:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EhyElimayoE_302 (BM), Frankenweenie_322 (BM), JustBecause_294 (BM), Kela_294 (BM), Kradal_299 (BM), Nirvana_343 (BM), Quantum_297 (BM), Satis_299 (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 7 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_302 Start: 165582, Stop: 165226, Start Num: 4
Candidate Starts for EhyElimayoE_302:
(1, 165804), (Start: 4 @165582 has 7 MA's), (5, 165576), (6, 165513), (8, 165483), (9, 165447), (16, 165306),

Gene: Frankenweenie_322 Start: 176630, Stop: 176277, Start Num: 4
Candidate Starts for Frankenweenie_322:
(2, 176795), (3, 176774), (Start: 4 @176630 has 7 MA's), (5, 176624), (6, 176561), (7, 176543), (8, 176531), (10, 176483), (11, 176465), (13, 176444), (18, 176327),

Gene: JustBecause_294 Start: 160341, Stop: 159973, Start Num: 4
Candidate Starts for JustBecause_294:
(Start: 4 @160341 has 7 MA's), (6, 160272), (7, 160254), (8, 160242), (11, 160176), (12, 160164), (13, 160155), (15, 160095), (17, 160056), (18, 160038),

Gene: Kela_294 Start: 162039, Stop: 161671, Start Num: 4
Candidate Starts for Kela_294:
(Start: 4 @162039 has 7 MA's), (6, 161970), (7, 161952), (8, 161940), (11, 161874), (12, 161862), (13, 161853), (15, 161793), (17, 161754), (18, 161736),

Gene: Kradal_299 Start: 165579, Stop: 165223, Start Num: 4
Candidate Starts for Kradal_299:
(1, 165801), (Start: 4 @165579 has 7 MA's), (5, 165573), (6, 165510), (8, 165480), (9, 165444), (16, 165303),

Gene: Nirvana_343 Start: 178958, Stop: 178602, Start Num: 4
Candidate Starts for Nirvana_343:
(Start: 4 @178958 has 7 MA's), (5, 178952), (8, 178859), (10, 178811), (11, 178793), (13, 178772), (14, 178715), (18, 178655),

Gene: Quantum_297 Start: 165573, Stop: 165217, Start Num: 4
Candidate Starts for Quantum_297:
(1, 165795), (Start: 4 @165573 has 7 MA's), (5, 165567), (6, 165504), (8, 165474), (9, 165438), (16, 165297),

Gene: Satis_299 Start: 165916, Stop: 165560, Start Num: 4
Candidate Starts for Satis_299:
(1, 166138), (Start: 4 @165916 has 7 MA's), (5, 165910), (6, 165847), (8, 165817), (9, 165781), (16, 165640),