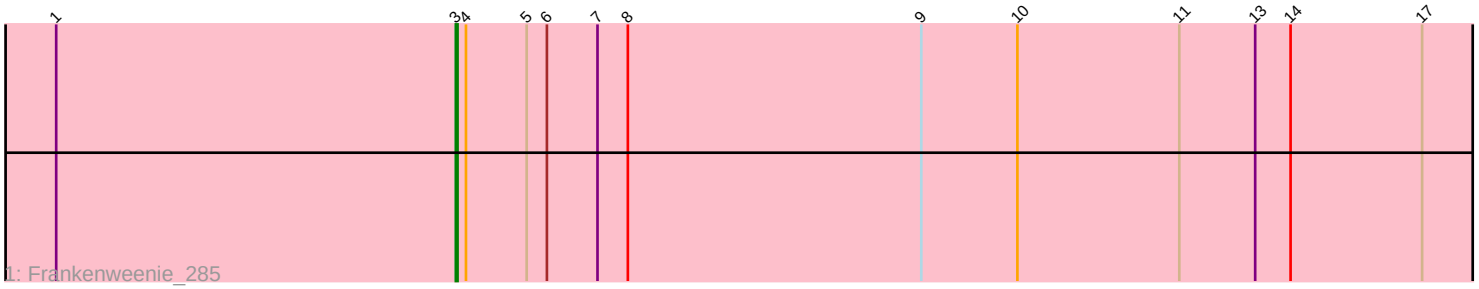
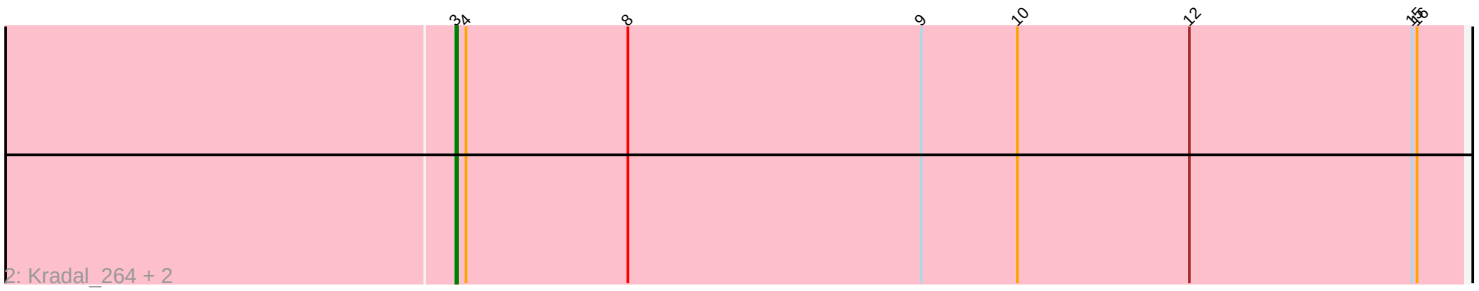
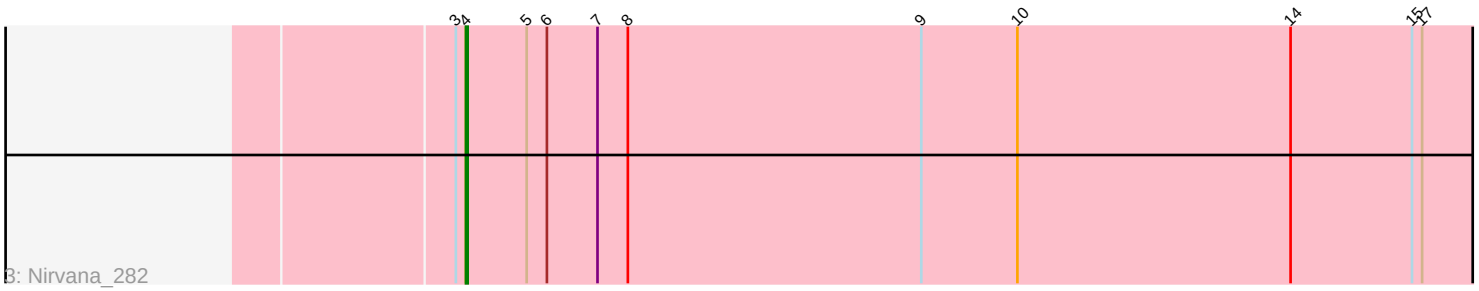
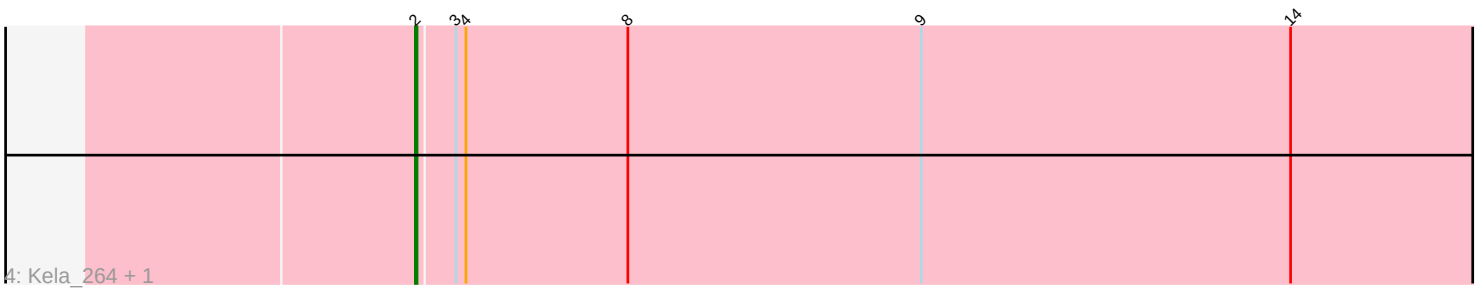
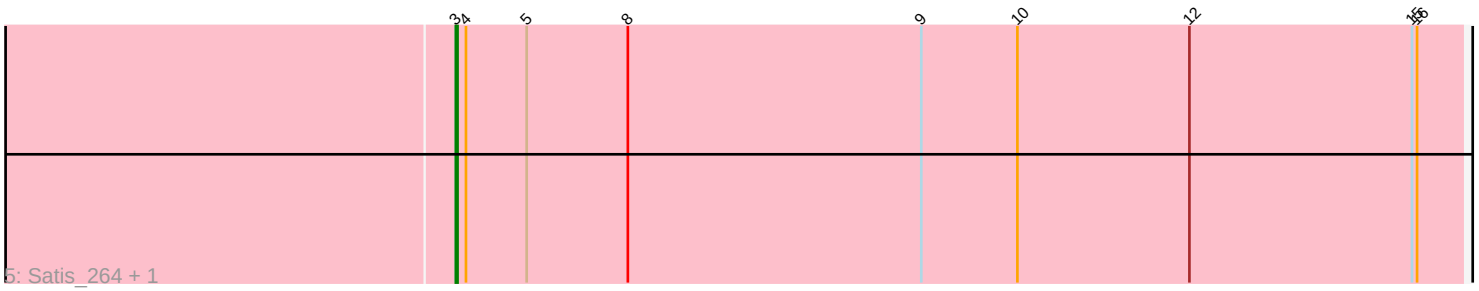
Pham 333494


1
3
4
5
6
7
8
9
10
11
13
14
17
1: Frankenweenie_285


3
4
8
9
10
12
15
16
2: Kradal_264 + 2


3
4
5
6
7
8
9
10
14
15
17
3: Nirvana_282


2
3
4
8
9
14
4: Kela_264 + 1


3
4
5
8
9
10
12
15
16
5: Satis_264 + 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 333494 Report

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

Pham number 333494 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Frankenweenie_285
• Track 2 : Kradal_264, EhyElimayoE_267, Quantum_262
• Track 3 : Nirvana_282
• Track 4 : Kela_264, JustBecause_264
• Track 5 : Satis_264, Sarkar_263

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EhyElimayoE_267, Frankenweenie_285, Kradal_264, Quantum_262, Sarkar_263, Satis_264,

Genes that have the "Most Annotated" start but do not call it:
• JustBecause_264, Kela_264, Nirvana_282,

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

Summary by start number:

Start 2:
• 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: JustBecause_264 (BM), Kela_264 (BM),

Start 3:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 9
• Called 66.7% of time when present

• Phage (with cluster) where this start called: EhyElimayoE_267 (BM), Frankenweenie_285 (BM), Kradal_264 (BM), Quantum_262 (BM), Sarkar_263 (BM), Satis_264 (BM),

Start 4:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Nirvana_282 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:
•Start number 2 was manually annotated 2 times for cluster BM.
•Start number 3 was manually annotated 6 times for cluster BM.
•Start number 4 was manually annotated 1 time for cluster BM.

Gene Information:

Gene: EhyElimayoE_267 Start: 152429, Stop: 151833, Start Num: 3
Candidate Starts for EhyElimayoE_267:
(Start: 3 @152429 has 6 MA's), (Start: 4 @152423 has 1 MA's), (8, 152327), (9, 152153), (10, 152096), (12, 151994), (15, 151862), (16, 151859),

Gene: Frankenweenie_285 Start: 163567, Stop: 162962, Start Num: 3
Candidate Starts for Frankenweenie_285:
(1, 163804), (Start: 3 @163567 has 6 MA's), (Start: 4 @163561 has 1 MA's), (5, 163525), (6, 163513), (7, 163483), (8, 163465), (9, 163291), (10, 163234), (11, 163138), (13, 163093), (14, 163072), (17, 162994),

Gene: JustBecause_264 Start: 149134, Stop: 148508, Start Num: 2
Candidate Starts for JustBecause_264:
(Start: 2 @149134 has 2 MA's), (Start: 3 @149113 has 6 MA's), (Start: 4 @149107 has 1 MA's), (8, 149011), (9, 148837), (14, 148618),

Gene: Kela_264 Start: 150738, Stop: 150112, Start Num: 2
Candidate Starts for Kela_264:
(Start: 2 @150738 has 2 MA's), (Start: 3 @150717 has 6 MA's), (Start: 4 @150711 has 1 MA's), (8, 150615), (9, 150441), (14, 150222),

Gene: Kradal_264 Start: 152426, Stop: 151830, Start Num: 3
Candidate Starts for Kradal_264:
(Start: 3 @152426 has 6 MA's), (Start: 4 @152420 has 1 MA's), (8, 152324), (9, 152150), (10, 152093), (12, 151991), (15, 151859), (16, 151856),

Gene: Nirvana_282 Start: 164015, Stop: 163416, Start Num: 4
Candidate Starts for Nirvana_282:
(Start: 3 @164021 has 6 MA's), (Start: 4 @164015 has 1 MA's), (5, 163979), (6, 163967), (7, 163937), (8, 163919), (9, 163745), (10, 163688), (14, 163526), (15, 163454), (17, 163448),

Gene: Quantum_262 Start: 152420, Stop: 151824, Start Num: 3
Candidate Starts for Quantum_262:
(Start: 3 @152420 has 6 MA's), (Start: 4 @152414 has 1 MA's), (8, 152318), (9, 152144), (10, 152087), (12, 151985), (15, 151853), (16, 151850),

Gene: Sarkar_263 Start: 152471, Stop: 151875, Start Num: 3
Candidate Starts for Sarkar_263:
(Start: 3 @152471 has 6 MA's), (Start: 4 @152465 has 1 MA's), (5, 152429), (8, 152369), (9, 152195), (10, 152138), (12, 152036), (15, 151904), (16, 151901),

Gene: Satis_264 Start: 152763, Stop: 152167, Start Num: 3
Candidate Starts for Satis_264:
(Start: 3 @152763 has 6 MA's), (Start: 4 @152757 has 1 MA's), (5, 152721), (8, 152661), (9, 152487), (10, 152430), (12, 152328), (15, 152196), (16, 152193),