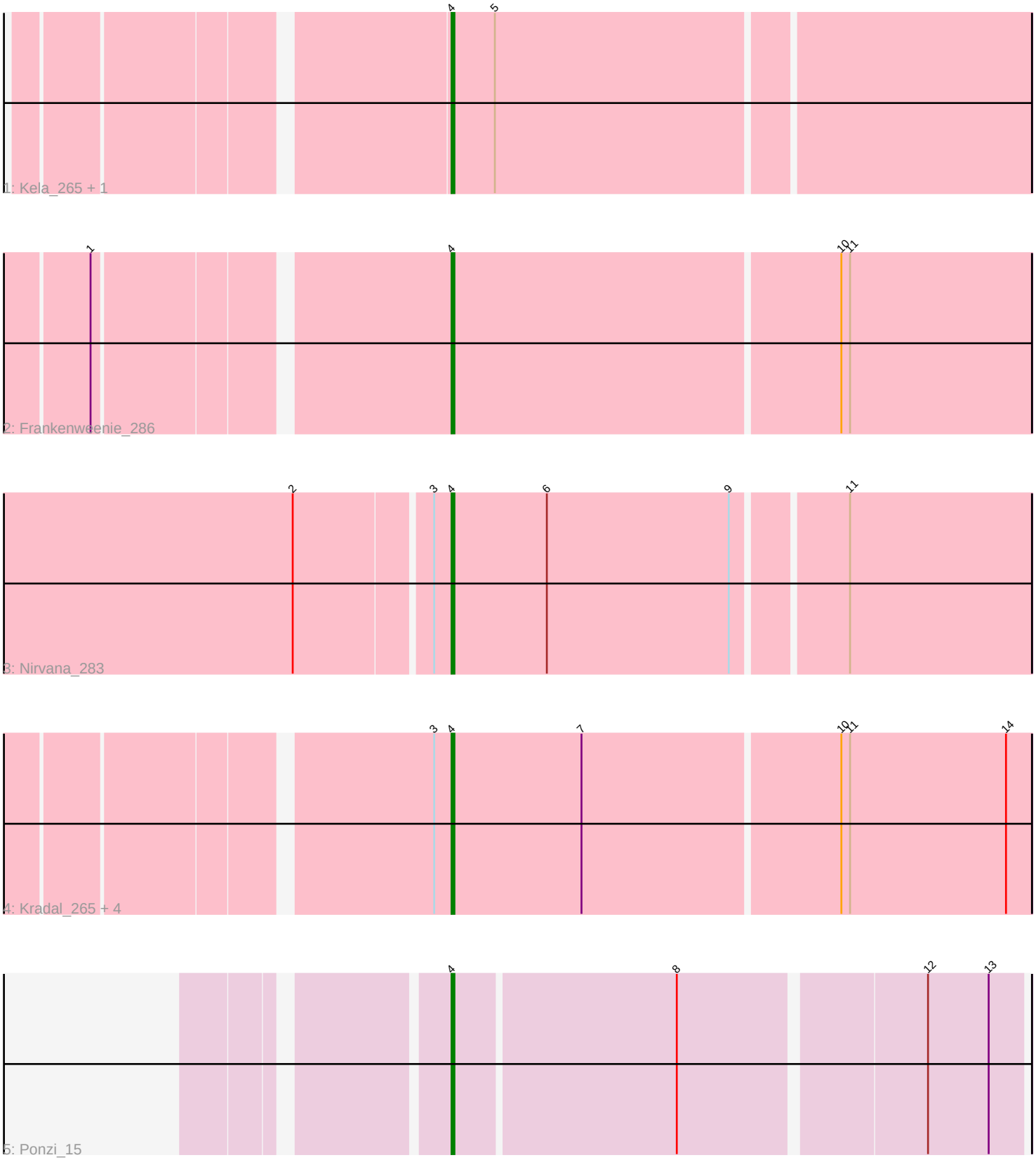
Pham 281123


4
5
1: Kela_265 + 1
1
4
10
11
2: Frankenweenie_286
2
3
4
6
9
11
3: Nirvana_283
3
4
7
10
11
14
4: Kradal_265 + 4
4
8
12
13
5: Ponzi_15

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 281123 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281123 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Kela_265, JustBecause_265
• Track 2 : Frankenweenie_286
• Track 3 : Nirvana_283
• Track 4 : Kradal_265, Sarkar_276, EhyElimayoE_268, Satis_265, Quantum_263
• Track 5 : Ponzi_15

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

Genes that call this "Most Annotated" start:
• EhyElimayoE_268, Frankenweenie_286, JustBecause_265, Kela_265, Kradal_265, Nirvana_283, Ponzi_15, Quantum_263, Sarkar_276, Satis_265,

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 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EhyElimayoE_268 (BM), Frankenweenie_286 (BM), JustBecause_265 (BM), Kela_265 (BM), Kradal_265 (BM), Nirvana_283 (BM), Ponzi_15 (singleton), Quantum_263 (BM), Sarkar_276 (BM), Satis_265 (BM),

Summary by clusters:

There are 2 clusters represented in this pham: BM, singleton,

Info for manual annotations of cluster BM:
•Start number 4 was manually annotated 8 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_268 Start: 152644, Stop: 152447, Start Num: 4
Candidate Starts for EhyElimayoE_268:
(3, 152650), (Start: 4 @152644 has 9 MA's), (7, 152599), (10, 152512), (11, 152509), (14, 152455),

Gene: Frankenweenie_286 Start: 163785, Stop: 163588, Start Num: 4
Candidate Starts for Frankenweenie_286:
(1, 163899), (Start: 4 @163785 has 9 MA's), (10, 163653), (11, 163650),

Gene: JustBecause_265 Start: 149325, Stop: 149131, Start Num: 4
Candidate Starts for JustBecause_265:
(Start: 4 @149325 has 9 MA's), (5, 149310),

Gene: Kela_265 Start: 150929, Stop: 150735, Start Num: 4
Candidate Starts for Kela_265:
(Start: 4 @150929 has 9 MA's), (5, 150914),

Gene: Kradal_265 Start: 152641, Stop: 152444, Start Num: 4
Candidate Starts for Kradal_265:
(3, 152647), (Start: 4 @152641 has 9 MA's), (7, 152596), (10, 152509), (11, 152506), (14, 152452),

Gene: Nirvana_283 Start: 164233, Stop: 164039, Start Num: 4
Candidate Starts for Nirvana_283:
(2, 164284), (3, 164239), (Start: 4 @164233 has 9 MA's), (6, 164200), (9, 164137), (11, 164101),

Gene: Ponzi_15 Start: 10003, Stop: 9815, Start Num: 4
Candidate Starts for Ponzi_15:
(Start: 4 @10003 has 9 MA's), (8, 9928), (12, 9847), (13, 9826),

Gene: Quantum_263 Start: 152635, Stop: 152438, Start Num: 4
Candidate Starts for Quantum_263:
(3, 152641), (Start: 4 @152635 has 9 MA's), (7, 152590), (10, 152503), (11, 152500), (14, 152446),

Gene: Sarkar_276 Start: 152686, Stop: 152489, Start Num: 4
Candidate Starts for Sarkar_276:
(3, 152692), (Start: 4 @152686 has 9 MA's), (7, 152641), (10, 152554), (11, 152551), (14, 152497),

Gene: Satis_265 Start: 152978, Stop: 152781, Start Num: 4
Candidate Starts for Satis_265:
(3, 152984), (Start: 4 @152978 has 9 MA's), (7, 152933), (10, 152846), (11, 152843), (14, 152789),