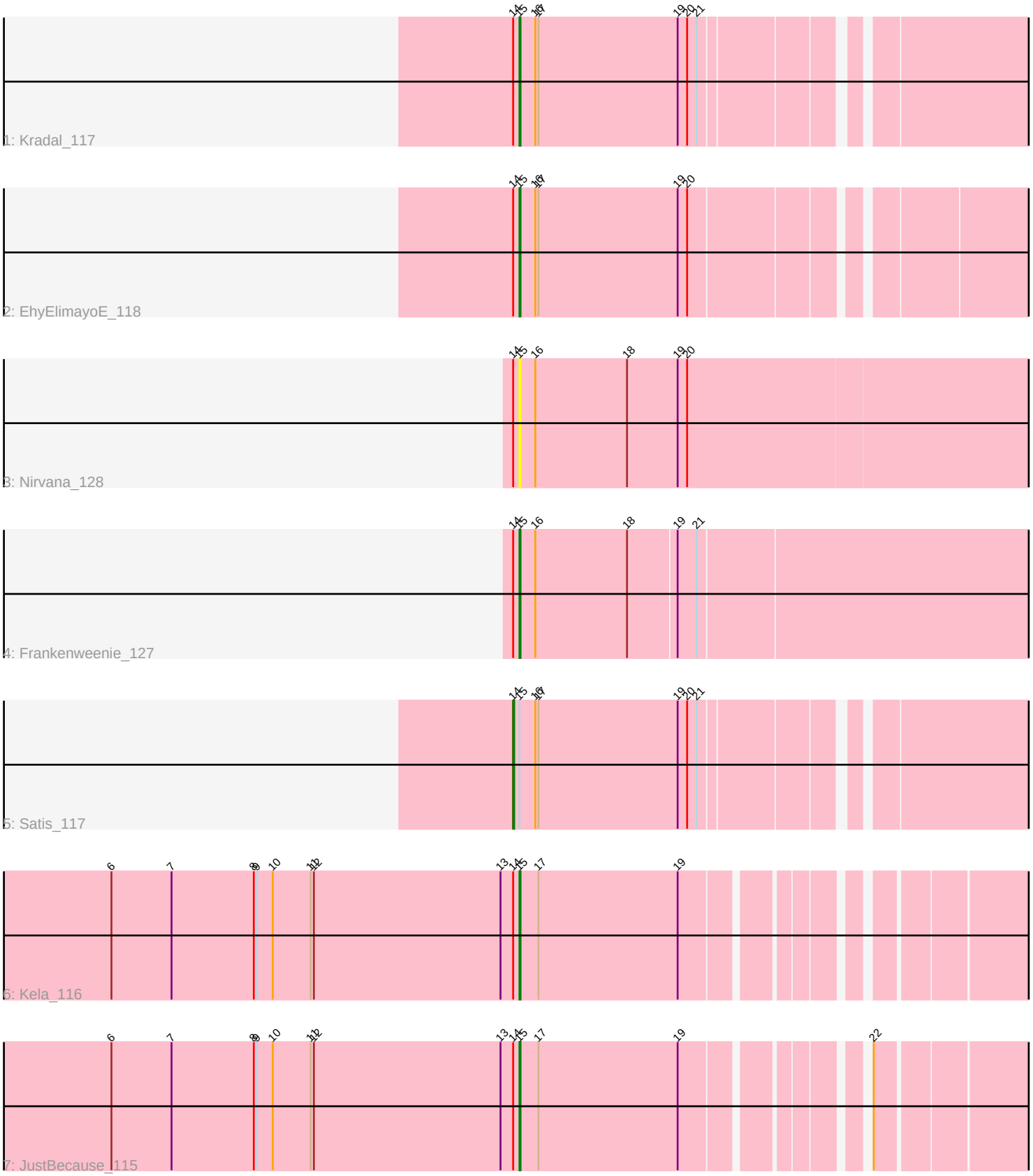
Zoomed Pham 7958



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 7958 Report

This analysis was run 07/09/24 on database version 566.

Pham number 7958 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Kradal_117
• Track 2 : EhyElimayoE_118
• Track 3 : Nirvana_128
• Track 4 : Frankenweenie_127
• Track 5 : Satis_117
• Track 6 : Kela_116
• Track 7 : JustBecause_115

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

The start number called the most often in the published annotations is 15, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EhyElimayoE_118, Frankenweenie_127, JustBecause_115, Kela_116, Kradal_117, Nirvana_128,

Genes that have the "Most Annotated" start but do not call it:
• Satis_117,

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

Summary by start number:

Start 14:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Satis_117 (BM),

Start 15:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 6

• Called 85.7% of time when present
• Phage (with cluster) where this start called: EhyElimayoE_118 (BM), Frankenweenie_127 (BM), JustBecause_115 (BM), Kela_116 (BM), Kradal_117 (BM), Nirvana_128 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:
•Start number 14 was manually annotated 1 time for cluster BM.
•Start number 15 was manually annotated 5 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_118 Start: 77421, Stop: 76777, Start Num: 15
Candidate Starts for EhyElimayoE_118:
(Start: 14 @77427 has 1 MA's), (Start: 15 @77421 has 5 MA's), (16, 77406), (17, 77403), (19, 77271), (20, 77262), (26, 76827),

Gene: Frankenweenie_127 Start: 82323, Stop: 81652, Start Num: 15
Candidate Starts for Frankenweenie_127:
(Start: 14 @82329 has 1 MA's), (Start: 15 @82323 has 5 MA's), (16, 82308), (18, 82221), (19, 82176), (21, 82158), (24, 81741),

Gene: JustBecause_115 Start: 76490, Stop: 75867, Start Num: 15
Candidate Starts for JustBecause_115:
(1, 77774), (2, 77663), (3, 77546), (4, 77105), (5, 77075), (6, 76877), (7, 76820), (8, 76742), (9, 76739), (10, 76724), (11, 76688), (12, 76685), (13, 76508), (Start: 14 @76496 has 1 MA's), (Start: 15 @76490 has 5 MA's), (17, 76472), (19, 76340), (22, 76199), (23, 75992),

Gene: Kela_116 Start: 76370, Stop: 75747, Start Num: 15
Candidate Starts for Kela_116:
(1, 77654), (2, 77543), (3, 77426), (4, 76985), (5, 76955), (6, 76757), (7, 76700), (8, 76622), (9, 76619), (10, 76604), (11, 76568), (12, 76565), (13, 76388), (Start: 14 @76376 has 1 MA's), (Start: 15 @76370 has 5 MA's), (17, 76352), (19, 76220), (23, 75872),

Gene: Kradal_117 Start: 77418, Stop: 76777, Start Num: 15
Candidate Starts for Kradal_117:
(Start: 14 @77424 has 1 MA's), (Start: 15 @77418 has 5 MA's), (16, 77403), (17, 77400), (19, 77268), (20, 77259), (21, 77250), (26, 76827),

Gene: Nirvana_128 Start: 80720, Stop: 80043, Start Num: 15
Candidate Starts for Nirvana_128:
(Start: 14 @80726 has 1 MA's), (Start: 15 @80720 has 5 MA's), (16, 80705), (18, 80618), (19, 80570), (20, 80561), (25, 80105),

Gene: Satis_117 Start: 77420, Stop: 76773, Start Num: 14
Candidate Starts for Satis_117:
(Start: 14 @77420 has 1 MA's), (Start: 15 @77414 has 5 MA's), (16, 77399), (17, 77396), (19, 77264), (20, 77255), (21, 77246), (26, 76823),