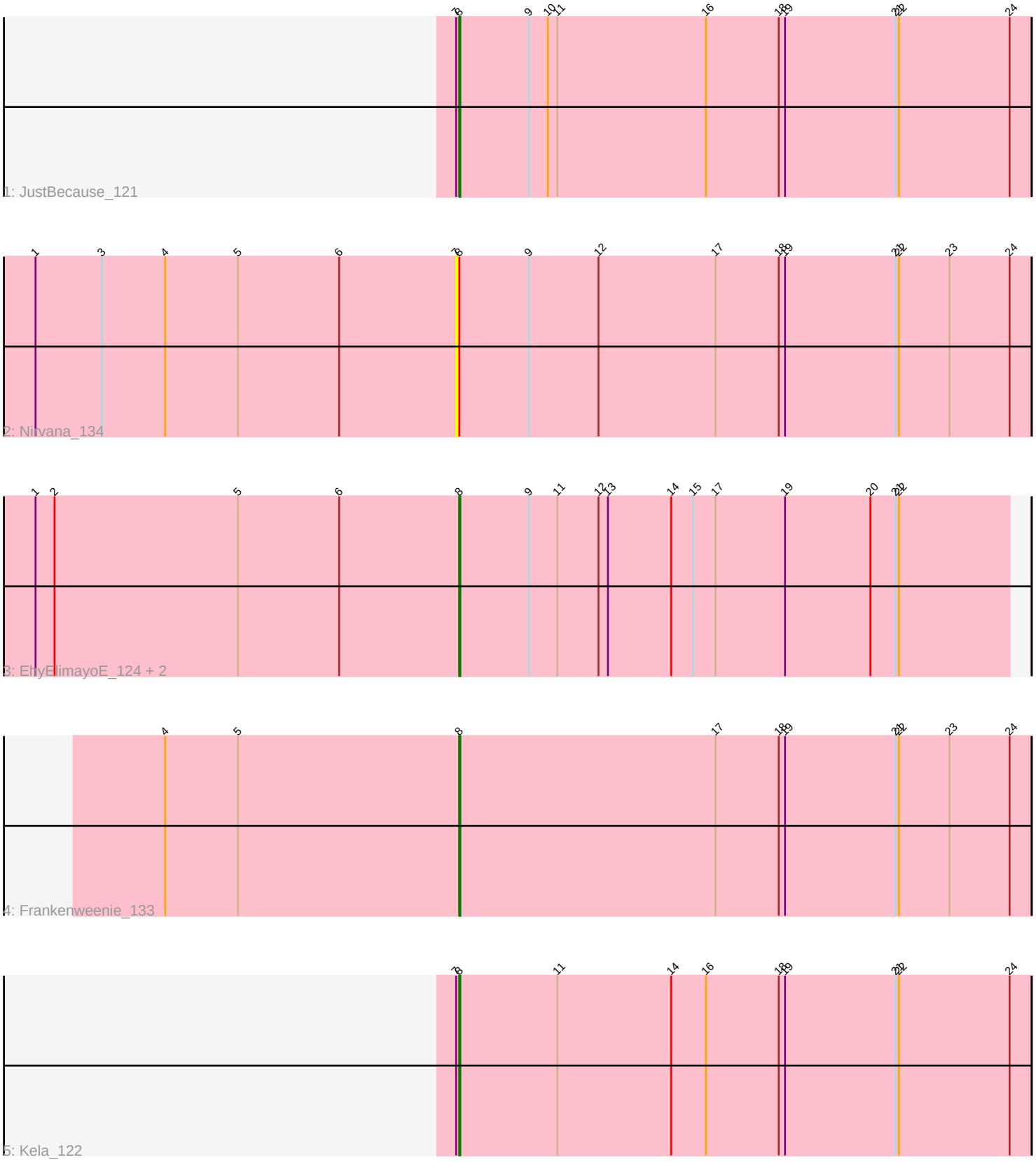
Pham 88328


1: JustBecause_121
2: Nirvana_134
3: EhyElimayoE_124 + 2
4: Frankenweenie_133
5: Kela_122

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 88328 Report

This analysis was run 04/05/24 on database version 557.

Pham number 88328 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : JustBecause_121
• Track 2 : Nirvana_134
• Track 3 : EhyElimayoE_124, Kradal_123, Satis_123
• Track 4 : Frankenweenie_133
• Track 5 : Kela_122

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

The start number called the most often in the published annotations is 8, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EhyElimayoE_124, Frankenweenie_133, JustBecause_121, Kela_122, Kradal_123, Satis_123,

Genes that have the "Most Annotated" start but do not call it:
• Nirvana_134,

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

Summary by start number:

Start 7:
• Found in 3 of 7 (42.9%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Nirvana_134 (BM),

Start 8:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 85.7% of time when present

• Phage (with cluster) where this start called: EhyElimayoE_124 (BM), Frankenweenie_133 (BM), JustBecause_121 (BM), Kela_122 (BM), Kradal_123 (BM), Satis_123 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:
•Start number 8 was manually annotated 6 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_124 Start: 80540, Stop: 80019, Start Num: 8
Candidate Starts for EhyElimayoE_124:
(1, 80942), (2, 80924), (5, 80750), (6, 80654), (Start: 8 @80540 has 6 MA's), (9, 80474), (11, 80447), (12, 80408), (13, 80399), (14, 80339), (15, 80318), (17, 80297), (19, 80231), (20, 80150), (21, 80126), (22, 80123),

Gene: Frankenweenie_133 Start: 85606, Stop: 85064, Start Num: 8
Candidate Starts for Frankenweenie_133:
(4, 85885), (5, 85816), (Start: 8 @85606 has 6 MA's), (17, 85363), (18, 85303), (19, 85297), (21, 85192), (22, 85189), (23, 85141), (24, 85084),

Gene: JustBecause_121 Start: 79741, Stop: 79199, Start Num: 8
Candidate Starts for JustBecause_121:
(7, 79744), (Start: 8 @79741 has 6 MA's), (9, 79675), (10, 79657), (11, 79648), (16, 79507), (18, 79438), (19, 79432), (21, 79327), (22, 79324), (24, 79219),

Gene: Kela_122 Start: 79621, Stop: 79079, Start Num: 8
Candidate Starts for Kela_122:
(7, 79624), (Start: 8 @79621 has 6 MA's), (11, 79528), (14, 79420), (16, 79387), (18, 79318), (19, 79312), (21, 79207), (22, 79204), (24, 79099),

Gene: Kradal_123 Start: 80537, Stop: 80016, Start Num: 8
Candidate Starts for Kradal_123:
(1, 80939), (2, 80921), (5, 80747), (6, 80651), (Start: 8 @80537 has 6 MA's), (9, 80471), (11, 80444), (12, 80405), (13, 80396), (14, 80336), (15, 80315), (17, 80294), (19, 80228), (20, 80147), (21, 80123), (22, 80120),

Gene: Nirvana_134 Start: 84006, Stop: 83461, Start Num: 7
Candidate Starts for Nirvana_134:
(1, 84405), (3, 84342), (4, 84282), (5, 84213), (6, 84117), (7, 84006), (Start: 8 @84003 has 6 MA's), (9, 83937), (12, 83871), (17, 83760), (18, 83700), (19, 83694), (21, 83589), (22, 83586), (23, 83538), (24, 83481),

Gene: Satis_123 Start: 80533, Stop: 80012, Start Num: 8
Candidate Starts for Satis_123:
(1, 80935), (2, 80917), (5, 80743), (6, 80647), (Start: 8 @80533 has 6 MA's), (9, 80467), (11, 80440), (12, 80401), (13, 80392), (14, 80332), (15, 80311), (17, 80290), (19, 80224), (20, 80143), (21, 80119), (22, 80116),