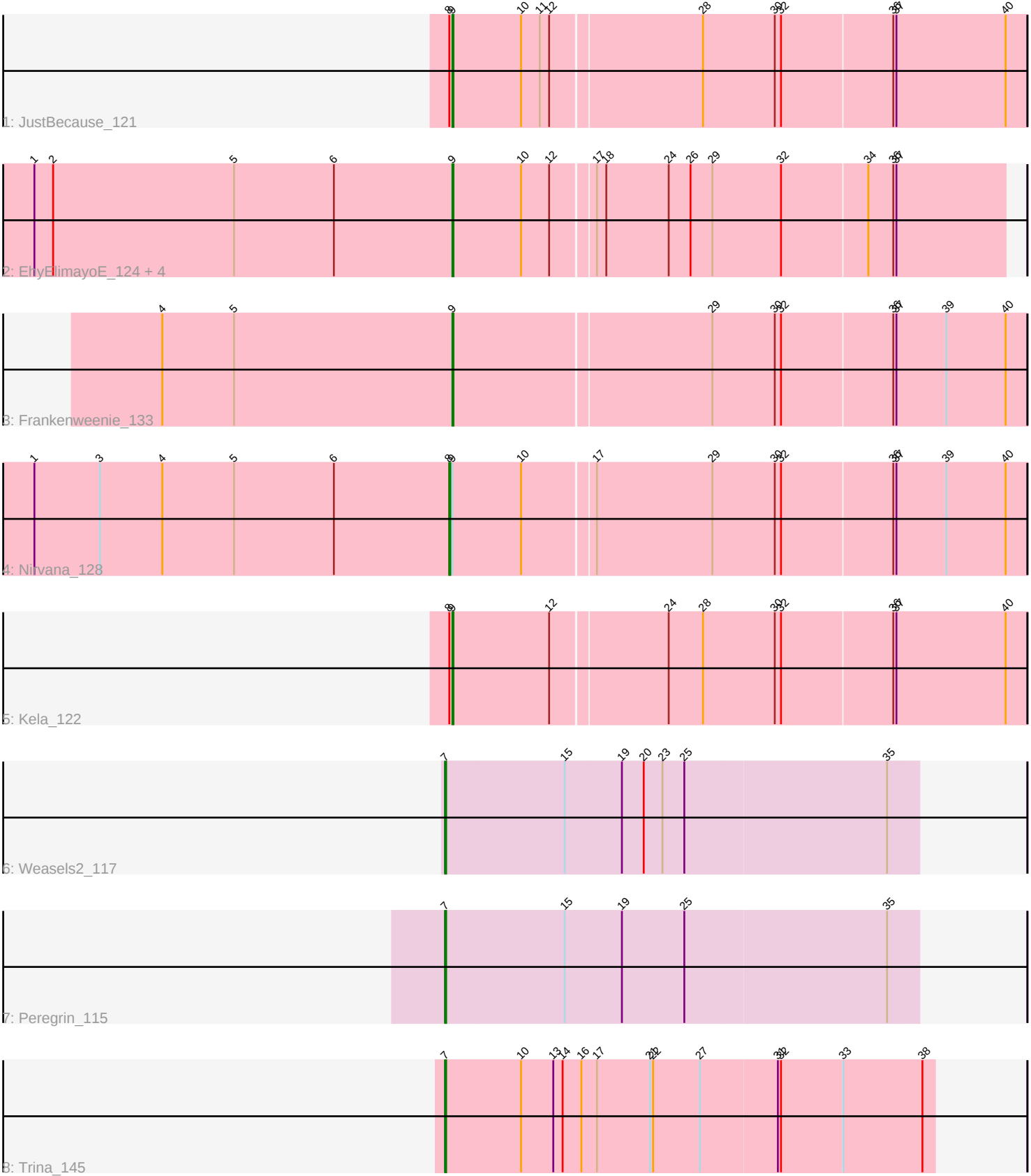


Pham 309663



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 309663 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309663 has 12 members, 0 are drafts.

Phages represented in each track:

- Track 1 : JustBecause_121
- Track 2 : EhyElimayoE_124, Kradal_123, Satis_123, Quantum_122, Sarkar_123
- Track 3 : Frankenweenie_133
- Track 4 : Nirvana_128
- Track 5 : Kela_122
- Track 6 : Weasels2_117
- Track 7 : Peregrin_115
- Track 8 : Trina_145

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

The start number called the most often in the published annotations is 9, it was called in 8 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- EhyElimayoE_124, Frankenweenie_133, JustBecause_121, Kela_122, Kradal_123, Quantum_122, Sarkar_123, Satis_123,

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

- Nirvana_128,

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

- Peregrin_115, Trina_145, Weasels2_117,

Summary by start number:

Start 7:

- Found in 3 of 12 (25.0%) of genes in pham
- Manual Annotations of this start: 3 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Peregrin_115 (CB), Trina_145 (CE), Weasels2_117 (CB),

Start 8:

- Found in 3 of 12 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Nirvana_128 (BM),

Start 9:

- Found in 9 of 12 (75.0%) of genes in pham
- Manual Annotations of this start: 8 of 12
- Called 88.9% 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), Quantum_122 (BM), Sarkar_123 (BM), Satis_123 (BM),

Summary by clusters:

There are 3 clusters represented in this pham: BM, CE, CB,

Info for manual annotations of cluster BM:

- Start number 8 was manually annotated 1 time for cluster BM.
- Start number 9 was manually annotated 8 times for cluster BM.

Info for manual annotations of cluster CB:

- Start number 7 was manually annotated 2 times for cluster CB.

Info for manual annotations of cluster CE:

- Start number 7 was manually annotated 1 time for cluster CE.

Gene Information:

Gene: EhyElimayoE_124 Start: 80540, Stop: 80019, Start Num: 9

Candidate Starts for EhyElimayoE_124:

(1, 80942), (2, 80924), (5, 80750), (6, 80654), (Start: 9 @80540 has 8 MA's), (10, 80474), (12, 80447), (17, 80408), (18, 80399), (24, 80339), (26, 80318), (29, 80297), (32, 80231), (34, 80150), (36, 80126), (37, 80123),

Gene: Frankenweenie_133 Start: 85606, Stop: 85064, Start Num: 9

Candidate Starts for Frankenweenie_133:

(4, 85885), (5, 85816), (Start: 9 @85606 has 8 MA's), (29, 85363), (30, 85303), (32, 85297), (36, 85192), (37, 85189), (39, 85141), (40, 85084),

Gene: JustBecause_121 Start: 79741, Stop: 79199, Start Num: 9

Candidate Starts for JustBecause_121:

(Start: 8 @79744 has 1 MA's), (Start: 9 @79741 has 8 MA's), (10, 79675), (11, 79657), (12, 79648), (28, 79507), (30, 79438), (32, 79432), (36, 79327), (37, 79324), (40, 79219),

Gene: Kela_122 Start: 79621, Stop: 79079, Start Num: 9

Candidate Starts for Kela_122:

(Start: 8 @79624 has 1 MA's), (Start: 9 @79621 has 8 MA's), (12, 79528), (24, 79420), (28, 79387), (30, 79318), (32, 79312), (36, 79207), (37, 79204), (40, 79099),

Gene: Kradal_123 Start: 80537, Stop: 80016, Start Num: 9

Candidate Starts for Kradal_123:

(1, 80939), (2, 80921), (5, 80747), (6, 80651), (Start: 9 @80537 has 8 MA's), (10, 80471), (12, 80444), (17, 80405), (18, 80396), (24, 80336), (26, 80315), (29, 80294), (32, 80228), (34, 80147), (36, 80123), (37, 80120),

Gene: Nirvana_128 Start: 84006, Stop: 83461, Start Num: 8

Candidate Starts for Nirvana_128:

(1, 84405), (3, 84342), (4, 84282), (5, 84213), (6, 84117), (Start: 8 @84006 has 1 MA's), (Start: 9 @84003 has 8 MA's), (10, 83937), (17, 83871), (29, 83760), (30, 83700), (32, 83694), (36, 83589), (37, 83586), (39, 83538), (40, 83481),

Gene: Peregrin_115 Start: 71870, Stop: 72319, Start Num: 7

Candidate Starts for Peregrin_115:

(Start: 7 @71870 has 3 MA's), (15, 71984), (19, 72038), (25, 72098), (35, 72290),

Gene: Quantum_122 Start: 80537, Stop: 80016, Start Num: 9

Candidate Starts for Quantum_122:

(1, 80939), (2, 80921), (5, 80747), (6, 80651), (Start: 9 @80537 has 8 MA's), (10, 80471), (12, 80444), (17, 80405), (18, 80396), (24, 80336), (26, 80315), (29, 80294), (32, 80228), (34, 80147), (36, 80123), (37, 80120),

Gene: Sarkar_123 Start: 80537, Stop: 80016, Start Num: 9

Candidate Starts for Sarkar_123:

(1, 80939), (2, 80921), (5, 80747), (6, 80651), (Start: 9 @80537 has 8 MA's), (10, 80471), (12, 80444), (17, 80405), (18, 80396), (24, 80336), (26, 80315), (29, 80294), (32, 80228), (34, 80147), (36, 80123), (37, 80120),

Gene: Satis_123 Start: 80533, Stop: 80012, Start Num: 9

Candidate Starts for Satis_123:

(1, 80935), (2, 80917), (5, 80743), (6, 80647), (Start: 9 @80533 has 8 MA's), (10, 80467), (12, 80440), (17, 80401), (18, 80392), (24, 80332), (26, 80311), (29, 80290), (32, 80224), (34, 80143), (36, 80119), (37, 80116),

Gene: Trina_145 Start: 88787, Stop: 89248, Start Num: 7

Candidate Starts for Trina_145:

(Start: 7 @88787 has 3 MA's), (10, 88859), (13, 88889), (14, 88898), (16, 88916), (17, 88931), (21, 88982), (22, 88985), (27, 89030), (31, 89102), (32, 89105), (33, 89162), (38, 89237),

Gene: Weasels2_117 Start: 72916, Stop: 73365, Start Num: 7

Candidate Starts for Weasels2_117:

(Start: 7 @72916 has 3 MA's), (15, 73030), (19, 73084), (20, 73105), (23, 73123), (25, 73144), (35, 73336),