Pham 348157


10
17
19
1: EhyElimayoE_131 + 4
1
2
3
4
5
9
12
17
19
2: Frankenweenie_140
1
2
3
4
5
9
13
17
3: Nirvana_135
6
7
8
11
14
15
16
18
21
4: EhyElimayoE_136 + 4
5
9
19
20
5: Kela_129 + 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 348157 Report

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

Pham number 348157 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : EhyElimayoE_131, Kradal_130, Quantum_129, Satis_130, Sarkar_130
• Track 2 : Frankenweenie_140
• Track 3 : Nirvana_135
• Track 4 : EhyElimayoE_136, Kradal_135, Satis_135, Quantum_134, Sarkar_135
• Track 5 : Kela_129, JustBecause_128

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

The start number called the most often in the published annotations is 11, it was called in 5 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EhyElimayoE_136, Kradal_135, Quantum_134, Sarkar_135, Satis_135,

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

Genes that do not have the "Most Annotated" start:
• EhyElimayoE_131, Frankenweenie_140, JustBecause_128, Kela_129, Kradal_130, Nirvana_135, Quantum_129, Sarkar_130, Satis_130,

Summary by start number:

Start 9:
• Found in 4 of 14 (28.6%) of genes in pham
• Manual Annotations of this start: 4 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Frankenweenie_140 (BM), JustBecause_128 (BM), Kela_129 (BM), Nirvana_135 (BM),

Start 10:
• Found in 5 of 14 (35.7%) of genes in pham
• Manual Annotations of this start: 5 of 14
• Called 100.0% of time when present

• Phage (with cluster) where this start called: EhyElimayoE_131 (BM), Kradal_130 (BM), Quantum_129 (BM), Sarkar_130 (BM), Satis_130 (BM),

Start 11:
• Found in 5 of 14 (35.7%) of genes in pham
• Manual Annotations of this start: 5 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EhyElimayoE_136 (BM), Kradal_135 (BM), Quantum_134 (BM), Sarkar_135 (BM), Satis_135 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:
•Start number 9 was manually annotated 4 times for cluster BM.
•Start number 10 was manually annotated 5 times for cluster BM.
•Start number 11 was manually annotated 5 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_131 Start: 83672, Stop: 83448, Start Num: 10
Candidate Starts for EhyElimayoE_131:
(Start: 10 @83672 has 5 MA's), (17, 83558), (19, 83471),

Gene: EhyElimayoE_136 Start: 85184, Stop: 84945, Start Num: 11
Candidate Starts for EhyElimayoE_136:
(6, 85271), (7, 85211), (8, 85202), (Start: 11 @85184 has 5 MA's), (14, 85085), (15, 85064), (16, 85058), (18, 85028), (21, 84956),

Gene: Frankenweenie_140 Start: 88739, Stop: 88512, Start Num: 9
Candidate Starts for Frankenweenie_140:
(1, 89195), (2, 89105), (3, 89021), (4, 88958), (5, 88877), (Start: 9 @88739 has 4 MA's), (12, 88721), (17, 88622), (19, 88535),

Gene: JustBecause_128 Start: 82850, Stop: 82623, Start Num: 9
Candidate Starts for JustBecause_128:
(5, 82988), (Start: 9 @82850 has 4 MA's), (19, 82646), (20, 82640),

Gene: Kela_129 Start: 82730, Stop: 82503, Start Num: 9
Candidate Starts for Kela_129:
(5, 82868), (Start: 9 @82730 has 4 MA's), (19, 82526), (20, 82520),

Gene: Kradal_135 Start: 85181, Stop: 84942, Start Num: 11
Candidate Starts for Kradal_135:
(6, 85268), (7, 85208), (8, 85199), (Start: 11 @85181 has 5 MA's), (14, 85082), (15, 85061), (16, 85055), (18, 85025), (21, 84953),

Gene: Kradal_130 Start: 83669, Stop: 83445, Start Num: 10
Candidate Starts for Kradal_130:
(Start: 10 @83669 has 5 MA's), (17, 83555), (19, 83468),

Gene: Nirvana_135 Start: 87146, Stop: 86919, Start Num: 9
Candidate Starts for Nirvana_135:
(1, 87602), (2, 87512), (3, 87428), (4, 87365), (5, 87284), (Start: 9 @87146 has 4 MA's), (13, 87119), (17, 87029),

Gene: Quantum_129 Start: 83669, Stop: 83445, Start Num: 10
Candidate Starts for Quantum_129:
(Start: 10 @83669 has 5 MA's), (17, 83555), (19, 83468),

Gene: Quantum_134 Start: 85181, Stop: 84942, Start Num: 11
Candidate Starts for Quantum_134:
(6, 85268), (7, 85208), (8, 85199), (Start: 11 @85181 has 5 MA's), (14, 85082), (15, 85061), (16, 85055), (18, 85025), (21, 84953),

Gene: Sarkar_130 Start: 83669, Stop: 83445, Start Num: 10
Candidate Starts for Sarkar_130:
(Start: 10 @83669 has 5 MA's), (17, 83555), (19, 83468),

Gene: Sarkar_135 Start: 85181, Stop: 84942, Start Num: 11
Candidate Starts for Sarkar_135:
(6, 85268), (7, 85208), (8, 85199), (Start: 11 @85181 has 5 MA's), (14, 85082), (15, 85061), (16, 85055), (18, 85025), (21, 84953),

Gene: Satis_135 Start: 85177, Stop: 84938, Start Num: 11
Candidate Starts for Satis_135:
(6, 85264), (7, 85204), (8, 85195), (Start: 11 @85177 has 5 MA's), (14, 85078), (15, 85057), (16, 85051), (18, 85021), (21, 84949),

Gene: Satis_130 Start: 83665, Stop: 83441, Start Num: 10
Candidate Starts for Satis_130:
(Start: 10 @83665 has 5 MA's), (17, 83551), (19, 83464),