Pham 214905


8
9
11
12
15
17
19
23
27
29
1: Evy_183
6
7
10
13
18
21
22
24
25
26
2: Nirvana_187
3
5
6
7
10
13
14
16
18
24
25
28
3: Kradal_168 + 3
2
4
5
6
13
18
20
21
24
25
27
30
4: JustBecause_169
1
3
5
6
7
13
16
18
21
24
25
26
5: Frankenweenie_183
2
4
5
6
13
18
20
21
24
25
27
30
6: Kela_167

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 214905 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214905 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Evy_183
• Track 2 : Nirvana_187
• Track 3 : Kradal_168, EhyElimayoE_169, Satis_168, Quantum_167
• Track 4 : JustBecause_169
• Track 5 : Frankenweenie_183
• Track 6 : Kela_167

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

The start number called the most often in the published annotations is 6, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EhyElimayoE_169, JustBecause_169, Kradal_168, Nirvana_187, Quantum_167, Satis_168,

Genes that have the "Most Annotated" start but do not call it:
• Frankenweenie_183, Kela_167,

Genes that do not have the "Most Annotated" start:
• Evy_183,

Summary by start number:

Start 5:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 28.6% of time when present
• Phage (with cluster) where this start called: Frankenweenie_183 (BM), Kela_167 (BM),

Start 6:
• Found in 8 of 9 (88.9%) of genes in pham
• Manual Annotations of this start: 5 of 8

• Called 75.0% of time when present
• Phage (with cluster) where this start called: EhyElimayoE_169 (BM), JustBecause_169 (BM), Kradal_168 (BM), Nirvana_187 (BM), Quantum_167 (BM), Satis_168 (BM),

Start 8:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Evy_183 (BE1),

Summary by clusters:

There are 2 clusters represented in this pham: BM, BE1,

Info for manual annotations of cluster BE1:
•Start number 8 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BM:
•Start number 5 was manually annotated 2 times for cluster BM.
•Start number 6 was manually annotated 5 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_169 Start: 110655, Stop: 110146, Start Num: 6
Candidate Starts for EhyElimayoE_169:
(3, 110667), (4, 110664), (Start: 5 @110661 has 2 MA's), (Start: 6 @110655 has 5 MA's), (7, 110634), (10, 110607), (13, 110583), (14, 110577), (16, 110535), (18, 110490), (24, 110292), (25, 110271), (28, 110226),

Gene: Evy_183 Start: 100459, Stop: 100920, Start Num: 8
Candidate Starts for Evy_183:
(Start: 8 @100459 has 1 MA's), (9, 100465), (11, 100480), (12, 100492), (15, 100519), (17, 100576), (19, 100645), (23, 100747), (27, 100837), (29, 100852),

Gene: Frankenweenie_183 Start: 119290, Stop: 118769, Start Num: 5
Candidate Starts for Frankenweenie_183:
(1, 119359), (3, 119296), (4, 119293), (Start: 5 @119290 has 2 MA's), (Start: 6 @119284 has 5 MA's), (7, 119263), (13, 119212), (16, 119164), (18, 119119), (21, 119023), (24, 118921), (25, 118900), (26, 118894),

Gene: JustBecause_169 Start: 107818, Stop: 107303, Start Num: 6
Candidate Starts for JustBecause_169:
(2, 107854), (4, 107827), (Start: 5 @107824 has 2 MA's), (Start: 6 @107818 has 5 MA's), (13, 107746), (18, 107653), (20, 107572), (21, 107557), (24, 107455), (25, 107434), (27, 107392), (30, 107314),

Gene: Kela_167 Start: 107698, Stop: 107177, Start Num: 5
Candidate Starts for Kela_167:
(2, 107728), (4, 107701), (Start: 5 @107698 has 2 MA's), (Start: 6 @107692 has 5 MA's), (13, 107620), (18, 107527), (20, 107446), (21, 107431), (24, 107329), (25, 107308), (27, 107266), (30, 107188),

Gene: Kradal_168 Start: 110652, Stop: 110143, Start Num: 6
Candidate Starts for Kradal_168:
(3, 110664), (4, 110661), (Start: 5 @110658 has 2 MA's), (Start: 6 @110652 has 5 MA's), (7, 110631), (10, 110604), (13, 110580), (14, 110574), (16, 110532), (18, 110487), (24, 110289), (25, 110268), (28, 110223),

Gene: Nirvana_187 Start: 117685, Stop: 117170, Start Num: 6
Candidate Starts for Nirvana_187:
(Start: 6 @117685 has 5 MA's), (7, 117664), (10, 117637), (13, 117613), (18, 117520), (21, 117424), (22, 117385), (24, 117322), (25, 117301), (26, 117295),

Gene: Quantum_167 Start: 110652, Stop: 110143, Start Num: 6
Candidate Starts for Quantum_167:
(3, 110664), (4, 110661), (Start: 5 @110658 has 2 MA's), (Start: 6 @110652 has 5 MA's), (7, 110631), (10, 110604), (13, 110580), (14, 110574), (16, 110532), (18, 110487), (24, 110289), (25, 110268), (28, 110223),

Gene: Satis_168 Start: 110648, Stop: 110139, Start Num: 6
Candidate Starts for Satis_168:
(3, 110660), (4, 110657), (Start: 5 @110654 has 2 MA's), (Start: 6 @110648 has 5 MA's), (7, 110627), (10, 110600), (13, 110576), (14, 110570), (16, 110528), (18, 110483), (24, 110285), (25, 110264), (28, 110219),