Pham 348278


7
9
10
11
12
13
14
15
18
1: Quantum_4 + 4
1
6
8
14
17
19
20
2: JustBecause_4 + 1
2
4
5
7
8
10
13
14
16
17
3: Nirvana_6
3
6
12
13
14
16
17
4: Frankenweenie_7

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 348278 Report

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

Pham number 348278 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Quantum_4, EhyElimayoE_4, Satis_4, Sarkar_4, Kradal_4
• Track 2 : JustBecause_4, Kela_4
• Track 3 : Nirvana_6
• Track 4 : Frankenweenie_7

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

The start number called the most often in the published annotations is 7, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EhyElimayoE_4, Kradal_4, Nirvana_6, Quantum_4, Sarkar_4, Satis_4,

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

Genes that do not have the "Most Annotated" start:
• Frankenweenie_7, JustBecause_4, Kela_4,

Summary by start number:

Start 6:
• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Frankenweenie_7 (BM), JustBecause_4 (BM), Kela_4 (BM),

Start 7:
• Found in 6 of 9 (66.7%) of genes in pham
• Manual Annotations of this start: 6 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EhyElimayoE_4 (BM), Kradal_4 (BM), Nirvana_6 (BM), Quantum_4 (BM), Sarkar_4 (BM), Satis_4 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:
•Start number 6 was manually annotated 3 times for cluster BM.
•Start number 7 was manually annotated 6 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_4 Start: 2849, Stop: 2550, Start Num: 7
Candidate Starts for EhyElimayoE_4:
(Start: 7 @2849 has 6 MA's), (9, 2822), (10, 2816), (11, 2783), (12, 2777), (13, 2771), (14, 2741), (15, 2732), (18, 2690),

Gene: Frankenweenie_7 Start: 3410, Stop: 3138, Start Num: 6
Candidate Starts for Frankenweenie_7:
(3, 3671), (Start: 6 @3410 has 3 MA's), (12, 3341), (13, 3335), (14, 3305), (16, 3278), (17, 3275),

Gene: JustBecause_4 Start: 2552, Stop: 2238, Start Num: 6
Candidate Starts for JustBecause_4:
(1, 2888), (Start: 6 @2552 has 3 MA's), (8, 2531), (14, 2447), (17, 2417), (19, 2324), (20, 2282),

Gene: Kela_4 Start: 2543, Stop: 2229, Start Num: 6
Candidate Starts for Kela_4:
(1, 2879), (Start: 6 @2543 has 3 MA's), (8, 2522), (14, 2438), (17, 2408), (19, 2315), (20, 2273),

Gene: Kradal_4 Start: 2849, Stop: 2550, Start Num: 7
Candidate Starts for Kradal_4:
(Start: 7 @2849 has 6 MA's), (9, 2822), (10, 2816), (11, 2783), (12, 2777), (13, 2771), (14, 2741), (15, 2732), (18, 2690),

Gene: Nirvana_6 Start: 3211, Stop: 2939, Start Num: 7
Candidate Starts for Nirvana_6:
(2, 3532), (4, 3406), (5, 3325), (Start: 7 @3211 has 6 MA's), (8, 3190), (10, 3181), (13, 3136), (14, 3106), (16, 3079), (17, 3076),

Gene: Quantum_4 Start: 2849, Stop: 2550, Start Num: 7
Candidate Starts for Quantum_4:
(Start: 7 @2849 has 6 MA's), (9, 2822), (10, 2816), (11, 2783), (12, 2777), (13, 2771), (14, 2741), (15, 2732), (18, 2690),

Gene: Sarkar_4 Start: 2849, Stop: 2550, Start Num: 7
Candidate Starts for Sarkar_4:
(Start: 7 @2849 has 6 MA's), (9, 2822), (10, 2816), (11, 2783), (12, 2777), (13, 2771), (14, 2741), (15, 2732), (18, 2690),

Gene: Satis_4 Start: 2845, Stop: 2546, Start Num: 7
Candidate Starts for Satis_4:

(Start: 7 @2845 has 6 MA's), (9, 2818), (10, 2812), (11, 2779), (12, 2773), (13, 2767), (14, 2737), (15, 2728), (18, 2686),