Pham 348233


1
4
5
6
12
13
1: Krada_31 + 3
4
5
6
12
16
2: Frankenweenie_36
4
6
12
3: Nirvana_34
2
3
5
6
7
8
10
15
4: Buggaboo_5 + 1
2
5
6
7
8
10
14
15
5: Bonum_6 + 1
2
5
6
7
8
9
10
11
14
15
6: NosilaM_6

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 348233 Report

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

Pham number 348233 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Kradal_31, Quantum_30, EhyElimayoE_31, Sarkar_31
• Track 2 : Frankenweenie_36
• Track 3 : Nirvana_34
• Track 4 : Buggaboo_5, SuperSulley_5
• Track 5 : Bonum_6, Kabluna_6
• Track 6 : NosilaM_6

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EhyElimayoE_31, Frankenweenie_36, Kradal_31, Nirvana_34, Quantum_30, Sarkar_31,

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

Genes that do not have the "Most Annotated" start:
• Bonum_6, Buggaboo_5, Kabluna_6, NosilaM_6, SuperSulley_5,

Summary by start number:

Start 2:
• Found in 5 of 11 (45.5%) of genes in pham
• Manual Annotations of this start: 5 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bonum_6 (CR2), Buggaboo_5 (CR2), Kabluna_6 (CR2), NosilaM_6 (CR2), SuperSulley_5 (CR2),

Start 4:
• Found in 6 of 11 (54.5%) of genes in pham
• Manual Annotations of this start: 6 of 11

• Called 100.0% of time when present
• Phage (with cluster) where this start called: EhyElimayoE_31 (BM), Frankenweenie_36 (BM), Kradal_31 (BM), Nirvana_34 (BM), Quantum_30 (BM), Sarkar_31 (BM),

Summary by clusters:

There are 2 clusters represented in this pham: CR2, BM,

Info for manual annotations of cluster BM:
•Start number 4 was manually annotated 6 times for cluster BM.

Info for manual annotations of cluster CR2:
•Start number 2 was manually annotated 5 times for cluster CR2.

Gene Information:

Gene: Bonum_6 Start: 4454, Stop: 4861, Start Num: 2
Candidate Starts for Bonum_6:
(Start: 2 @4454 has 5 MA's), (5, 4550), (6, 4562), (7, 4574), (8, 4616), (10, 4667), (14, 4742), (15, 4763),

Gene: Buggaboo_5 Start: 3973, Stop: 4380, Start Num: 2
Candidate Starts for Buggaboo_5:
(Start: 2 @3973 has 5 MA's), (3, 4000), (5, 4069), (6, 4081), (7, 4093), (8, 4135), (10, 4186), (15, 4282),

Gene: EhyElimayoE_31 Start: 19880, Stop: 19464, Start Num: 4
Candidate Starts for EhyElimayoE_31:
(1, 20018), (Start: 4 @19880 has 6 MA's), (5, 19820), (6, 19808), (12, 19640), (13, 19631),

Gene: Frankenweenie_36 Start: 21784, Stop: 21356, Start Num: 4
Candidate Starts for Frankenweenie_36:
(Start: 4 @21784 has 6 MA's), (5, 21724), (6, 21712), (12, 21544), (16, 21436),

Gene: Kabluna_6 Start: 3845, Stop: 4252, Start Num: 2
Candidate Starts for Kabluna_6:
(Start: 2 @3845 has 5 MA's), (5, 3941), (6, 3953), (7, 3965), (8, 4007), (10, 4058), (14, 4133), (15, 4154),

Gene: Kradal_31 Start: 19880, Stop: 19464, Start Num: 4
Candidate Starts for Kradal_31:
(1, 20018), (Start: 4 @19880 has 6 MA's), (5, 19820), (6, 19808), (12, 19640), (13, 19631),

Gene: Nirvana_34 Start: 21982, Stop: 21554, Start Num: 4
Candidate Starts for Nirvana_34:
(Start: 4 @21982 has 6 MA's), (6, 21910), (12, 21742),

Gene: NosilaM_6 Start: 4733, Stop: 5140, Start Num: 2
Candidate Starts for NosilaM_6:

(Start: 2 @4733 has 5 MA's), (5, 4829), (6, 4841), (7, 4853), (8, 4895), (9, 4925), (10, 4946), (11, 4961), (14, 5021), (15, 5042),

Gene: Quantum_30 Start: 19880, Stop: 19464, Start Num: 4
Candidate Starts for Quantum_30:
(1, 20018), (Start: 4 @19880 has 6 MA's), (5, 19820), (6, 19808), (12, 19640), (13, 19631),

Gene: Sarkar_31 Start: 19880, Stop: 19464, Start Num: 4
Candidate Starts for Sarkar_31:
(1, 20018), (Start: 4 @19880 has 6 MA's), (5, 19820), (6, 19808), (12, 19640), (13, 19631),

Gene: SuperSulley_5 Start: 3973, Stop: 4380, Start Num: 2
Candidate Starts for SuperSulley_5:
(Start: 2 @3973 has 5 MA's), (3, 4000), (5, 4069), (6, 4081), (7, 4093), (8, 4135), (10, 4186), (15, 4282),