Pham 348275


3
7
9
10
12
1: Jenos_3
3
9
10
12
2: McGalleon_3
3
5
7
9
12
15
3: CarisSwetlik_3
3
4
7
12
16
4: Endor_3
1
2
6
8
11
13
18
5: YuuY_26
1
2
6
8
11
14
17
18
6: Mandalorian_26 + 3

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 348275 Report

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

Pham number 348275 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Jenos_3
• Track 2 : McGalleon_3
• Track 3 : CarisSwetlik_3
• Track 4 : Endor_3
• Track 5 : YuuY_26
• Track 6 : Mandalorian_26, Carostasia_26, Quartz_26, Nucci_26

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

The start number called the most often in the published annotations is 2, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Carostasia_26, Mandalorian_26, Nucci_26, Quartz_26, YuuY_26,

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

Genes that do not have the "Most Annotated" start:
• CarisSwetlik_3, Endor_3, Jenos_3, McGalleon_3,

Summary by start number:

Start 2:
• Found in 5 of 9 (55.6%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Carostasia_26 (EA10), Mandalorian_26 (EA10), Nucci_26 (EA10), Quartz_26 (EA10), YuuY_26 (EA10),

Start 3:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 4 of 9
• Called 100.0% of time when present

• Phage (with cluster) where this start called: CarisSwetlik_3 (EA1), Endor_3 (EA1), Jenos_3 (EA1), McGalleon_3 (EA1),

Summary by clusters:

There are 2 clusters represented in this pham: EA1, EA10,

Info for manual annotations of cluster EA1:
•Start number 3 was manually annotated 4 times for cluster EA1.

Info for manual annotations of cluster EA10:
•Start number 2 was manually annotated 5 times for cluster EA10.

Gene Information:

Gene: CarisSwetlik_3 Start: 1957, Stop: 2298, Start Num: 3
Candidate Starts for CarisSwetlik_3:
(Start: 3 @1957 has 4 MA's), (5, 2002), (7, 2026), (9, 2038), (12, 2179), (15, 2254),

Gene: Carostasia_26 Start: 20295, Stop: 20660, Start Num: 2
Candidate Starts for Carostasia_26:
(1, 20184), (Start: 2 @20295 has 5 MA's), (6, 20367), (8, 20400), (11, 20523), (14, 20595), (17, 20628), (18, 20640),

Gene: Endor_3 Start: 1966, Stop: 2310, Start Num: 3
Candidate Starts for Endor_3:
(Start: 3 @1966 has 4 MA's), (4, 1981), (7, 2035), (12, 2188), (16, 2269),

Gene: Jenos_3 Start: 1959, Stop: 2300, Start Num: 3
Candidate Starts for Jenos_3:
(Start: 3 @1959 has 4 MA's), (7, 2028), (9, 2040), (10, 2097), (12, 2181),

Gene: Mandalorian_26 Start: 20293, Stop: 20658, Start Num: 2
Candidate Starts for Mandalorian_26:
(1, 20182), (Start: 2 @20293 has 5 MA's), (6, 20365), (8, 20398), (11, 20521), (14, 20593), (17, 20626), (18, 20638),

Gene: McGalleon_3 Start: 1959, Stop: 2300, Start Num: 3
Candidate Starts for McGalleon_3:
(Start: 3 @1959 has 4 MA's), (9, 2040), (10, 2097), (12, 2181),

Gene: Nucci_26 Start: 20282, Stop: 20647, Start Num: 2
Candidate Starts for Nucci_26:
(1, 20171), (Start: 2 @20282 has 5 MA's), (6, 20354), (8, 20387), (11, 20510), (14, 20582), (17, 20615), (18, 20627),

Gene: Quartz_26 Start: 20294, Stop: 20659, Start Num: 2
Candidate Starts for Quartz_26:
(1, 20183), (Start: 2 @20294 has 5 MA's), (6, 20366), (8, 20399), (11, 20522), (14, 20594), (17, 20627), (18, 20639),

Gene: YuuY_26 Start: 20237, Stop: 20602, Start Num: 2
Candidate Starts for YuuY_26:
(1, 20180), (Start: 2 @20237 has 5 MA's), (6, 20309), (8, 20342), (11, 20465), (13, 20519), (18, 20582),