# Pham 346466


2
6
1: JasonD_10
2
2: Jenos_10 + 1
3
3: HavenFinLeoSun_9
2
5
4: McGalleon_9
1
4
5: FarmerDoug_8
2
7
8
6: Endor_9
3
5
7: Acosta_9

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 346466 Report

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

Pham number 346466 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : JasonD_10
• Track 2 : Jenos_10, CarisSwetlik_10
• Track 3 : HavenFinLeoSun_9
• Track 4 : McGalleon_9
• Track 5 : FarmerDoug_8
• Track 6 : Endor_9
• Track 7 : Acosta_9

***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 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CarisSwetlik_10, Endor_9, JasonD_10, Jenos_10, McGalleon_9,

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

Genes that do not have the "Most Annotated" start:
• Acosta_9, FarmerDoug_8, HavenFinLeoSun_9,

**Summary by start number:**

Start 1:
• Found in 1 of 8 ( 12.5% ) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FarmerDoug_8 (EA1),

Start 2:
• Found in 5 of 8 ( 62.5% ) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 100.0% of time when present

• Phage (with cluster) where this start called: CarisSwetlik_10 (EA1), Endor_9 (EA1), JasonD_10 (EA1), Jenos_10 (EA1), McGalleon_9 (EA1),

Start 3:
• Found in 2 of 8 ( 25.0% ) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acosta_9 (EA1), HavenFinLeoSun_9 (EA1),

**Summary by clusters:**

There is one cluster represented in this pham: EA1

Info for manual annotations of cluster EA1:
•Start number 1 was manually annotated 1 time for cluster EA1.
•Start number 2 was manually annotated 5 times for cluster EA1.
•Start number 3 was manually annotated 1 time for cluster EA1.

***Gene Information:***

Gene: Acosta_9 Start: 6189, Stop: 6371, Start Num: 3
Candidate Starts for Acosta_9:
(Start: 3 @6189 has 1 MA's), (5, 6225),

Gene: CarisSwetlik_10 Start: 6677, Stop: 6859, Start Num: 2
Candidate Starts for CarisSwetlik_10:
(Start: 2 @6677 has 5 MA's),

Gene: Endor_9 Start: 6468, Stop: 6653, Start Num: 2
Candidate Starts for Endor_9:
(Start: 2 @6468 has 5 MA's), (7, 6555), (8, 6597),

Gene: FarmerDoug_8 Start: 6046, Stop: 6213, Start Num: 1
Candidate Starts for FarmerDoug_8:
(Start: 1 @6046 has 1 MA's), (4, 6055),

Gene: HavenFinLeoSun_9 Start: 6166, Stop: 6348, Start Num: 3
Candidate Starts for HavenFinLeoSun_9:
(Start: 3 @6166 has 1 MA's),

Gene: JasonD_10 Start: 6344, Stop: 6535, Start Num: 2
Candidate Starts for JasonD_10:
(Start: 2 @6344 has 5 MA's), (6, 6386),

Gene: Jenos_10 Start: 6668, Stop: 6850, Start Num: 2
Candidate Starts for Jenos_10:
(Start: 2 @6668 has 5 MA's),

Gene: McGalleon_9 Start: 6781, Stop: 6963, Start Num: 2
Candidate Starts for McGalleon_9:

(Start: 2 @6781 has 5 MA's), (5, 6817),