



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 136146 Report

This analysis was run 04/28/24 on database version 559.

Pham number 136146 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Wolfstar_57
- Track 2 : Alleb_54, Tandem_53, Pioneer3_53, OlinDD_53, Hortus1_53, Platte_53
- Track 3 : Jacko_57

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

The start number called the most often in the published annotations is 1, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alleb_54, Hortus1_53, Jacko_57, OlinDD_53, Pioneer3_53, Platte_53, Tandem_53, Wolfstar_57,

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

-

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 1:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alleb_54 (ED1), Hortus1_53 (ED1), Jacko_57 (ED1), OlinDD_53 (ED1), Pioneer3_53 (ED1), Platte_53 (ED1), Tandem_53 (ED1), Wolfstar_57 (ED),

Summary by clusters:

There are 2 clusters represented in this pham: ED, ED1,

Info for manual annotations of cluster ED1:

•Start number 1 was manually annotated 7 times for cluster ED1.

Gene Information:

Gene: Alleb_54 Start: 34274, Stop: 34855, Start Num: 1

Candidate Starts for Alleb_54:

(Start: 1 @34274 has 7 MA's), (2, 34349), (3, 34442), (9, 34712), (11, 34736), (13, 34754),

Gene: Hortus1_53 Start: 34264, Stop: 34845, Start Num: 1

Candidate Starts for Hortus1_53:

(Start: 1 @34264 has 7 MA's), (2, 34339), (3, 34432), (9, 34702), (11, 34726), (13, 34744),

Gene: Jacko_57 Start: 33135, Stop: 33812, Start Num: 1

Candidate Starts for Jacko_57:

(Start: 1 @33135 has 7 MA's), (2, 33210), (6, 33480), (7, 33495), (10, 33591), (14, 33687), (15, 33702), (16, 33705), (20, 33807),

Gene: OlinDD_53 Start: 34263, Stop: 34844, Start Num: 1

Candidate Starts for OlinDD_53:

(Start: 1 @34263 has 7 MA's), (2, 34338), (3, 34431), (9, 34701), (11, 34725), (13, 34743),

Gene: Pioneer3_53 Start: 34271, Stop: 34852, Start Num: 1

Candidate Starts for Pioneer3_53:

(Start: 1 @34271 has 7 MA's), (2, 34346), (3, 34439), (9, 34709), (11, 34733), (13, 34751),

Gene: Platte_53 Start: 34056, Stop: 34637, Start Num: 1

Candidate Starts for Platte_53:

(Start: 1 @34056 has 7 MA's), (2, 34131), (3, 34224), (9, 34494), (11, 34518), (13, 34536),

Gene: Tandem_53 Start: 34210, Stop: 34791, Start Num: 1

Candidate Starts for Tandem_53:

(Start: 1 @34210 has 7 MA's), (2, 34285), (3, 34378), (9, 34648), (11, 34672), (13, 34690),

Gene: Wolfstar_57 Start: 34525, Stop: 35205, Start Num: 1

Candidate Starts for Wolfstar_57:

(Start: 1 @34525 has 7 MA's), (2, 34600), (4, 34726), (5, 34735), (8, 34906), (10, 34981), (12, 35008), (17, 35104), (18, 35116), (19, 35170),