Pham 87863

1: Alleb_88 + 4

2: Lupine_88

3: Pavlo_88 + 1

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 87863 Report

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

Pham number 87863 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Alleb_88, Tandem_90, OlinDD_90, Pioneer3_90, Hortus1_90
• Track 2 : Lupine_88
• Track 3 : Pavlo_88, PhillyPhilly_86

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 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alleb_88, Hortus1_90, OlinDD_90, Pioneer3_90, Tandem_90,

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

Genes that do not have the "Most Annotated" start:
• Lupine_88, Pavlo_88, PhillyPhilly_86,

Summary by start number:

Start 1:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lupine_88 (ED1), Pavlo_88 (ED1), PhillyPhilly_86 (ED1),

Start 2:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alleb_88 (ED1), Hortus1_90 (ED1), OlinDD_90 (ED1), Pioneer3_90 (ED1), Tandem_90 (ED1),

Summary by clusters:

There is one cluster represented in this pham: ED1

Info for manual annotations of cluster ED1:
•Start number 1 was manually annotated 3 times for cluster ED1.
•Start number 2 was manually annotated 5 times for cluster ED1.

Gene Information:
Gene: Alleb_88 Start: 51753, Stop: 51547, Start Num: 2
Candidate Starts for Alleb_88:
(Start: 2 @51753 has 5 MA's), (3, 51696),

Gene: Hortus1_90 Start: 52328, Stop: 52122, Start Num: 2
Candidate Starts for Hortus1_90:
(Start: 2 @52328 has 5 MA's), (3, 52271),

Gene: Lupine_88 Start: 51463, Stop: 51257, Start Num: 1
Candidate Starts for Lupine_88:
(Start: 1 @51463 has 3 MA's), (3, 51397), (4, 51304),

Gene: OlinDD_90 Start: 52333, Stop: 52127, Start Num: 2
Candidate Starts for OlinDD_90:
(Start: 2 @52333 has 5 MA's), (3, 52276),

Gene: Pavlo_88 Start: 51422, Stop: 51216, Start Num: 1
Candidate Starts for Pavlo_88:
(Start: 1 @51422 has 3 MA's), (3, 51356), (4, 51263),

Gene: PhillyPhilly_86 Start: 50959, Stop: 50753, Start Num: 1
Candidate Starts for PhillyPhilly_86:
(Start: 1 @50959 has 3 MA's), (3, 50893), (4, 50800),

Gene: Pioneer3_90 Start: 52131, Stop: 51925, Start Num: 2
Candidate Starts for Pioneer3_90:
(Start: 2 @52131 has 5 MA's), (3, 52074),

Gene: Tandem_90 Start: 52211, Stop: 52005, Start Num: 2
Candidate Starts for Tandem_90:
(Start: 2 @52211 has 5 MA's), (3, 52154),