Pham 136068

1: Racecar_28 + 5

2: SJReid_28 + 1

3: Atuin_330 + 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 136068 Report

This analysis was run 04/05/24 on database version 557.

Pham number 136068 has 10 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Racecar_28, Mimi_29, Talia1610_314, Talia1610_27, Racecar_317, Mimi_319
• Track 2 : SJReid_28, SJReid_339
• Track 3 : Atuin_330, Atuin_23

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

The start number called the most often in the published annotations is 3, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Atuin_23, Atuin_330, Mimi_29, Mimi_319, Racecar_28, Racecar_317, SJReid_28, SJReid_339, Talia1610_27, Talia1610_314,

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 3:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_23 (FC), Atuin_330 (FC), Mimi_29 (FC), Mimi_319 (FC), Racecar_28 (FC), Racecar_317 (FC), SJReid_28 (FC), SJReid_339 (FC), Talia1610_27 (FC), Talia1610_314 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

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

Gene Information:

Gene: Atuin_330 Start: 187800, Stop: 188081, Start Num: 3
Candidate Starts for Atuin_330:
(1, 187731), (2, 187749), (Start: 3 @187800 has 2 MA's), (5, 187920), (7, 188052),

Gene: Atuin_23 Start: 10912, Stop: 11193, Start Num: 3
Candidate Starts for Atuin_23:
(1, 10843), (2, 10861), (Start: 3 @10912 has 2 MA's), (5, 11032), (7, 11164),

Gene: Mimi_29 Start: 12295, Stop: 12576, Start Num: 3
Candidate Starts for Mimi_29:
(Start: 3 @12295 has 2 MA's), (4, 12379), (6, 12520),

Gene: Mimi_319 Start: 184955, Stop: 185236, Start Num: 3
Candidate Starts for Mimi_319:
(Start: 3 @184955 has 2 MA's), (4, 185039), (6, 185180),

Gene: Racecar_28 Start: 12886, Stop: 13167, Start Num: 3
Candidate Starts for Racecar_28:
(Start: 3 @12886 has 2 MA's), (4, 12970), (6, 13111),

Gene: Racecar_317 Start: 186595, Stop: 186876, Start Num: 3
Candidate Starts for Racecar_317:
(Start: 3 @186595 has 2 MA's), (4, 186679), (6, 186820),

Gene: SJReid_28 Start: 12400, Stop: 12693, Start Num: 3
Candidate Starts for SJReid_28:
(Start: 3 @12400 has 2 MA's),

Gene: SJReid_339 Start: 185239, Stop: 185532, Start Num: 3
Candidate Starts for SJReid_339:
(Start: 3 @185239 has 2 MA's),

Gene: Talia1610_314 Start: 186780, Stop: 187061, Start Num: 3
Candidate Starts for Talia1610_314:
(Start: 3 @186780 has 2 MA's), (4, 186864), (6, 187005),

Gene: Talia1610_27 Start: 12308, Stop: 12589, Start Num: 3
Candidate Starts for Talia1610_27:
(Start: 3 @12308 has 2 MA's), (4, 12392), (6, 12533),