Pham 195935

4
6
7
8
9
10
11
12
14
15
1: Rey_131
3
7
8
9
10
11
12
14
15
2: GenevaB15_132 + 1
7
8
9
10
11
12
14
15
3: MrMagoo_129
7
8
9
10
11
12
14
15
4: GardenSalsa_128
1
2
5
7
8
9
10
11
12
14
15
5: Estes_129
6
7
8
9
11
13
6: Nanosmite_121

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 195935 Report

This analysis was run 12/09/24 on database version 580.

Pham number 195935 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Rey_131
• Track 2 : GenevaB15_132, Aziz_128
• Track 3 : MrMagoo_129
• Track 4 : GardenSalsa_128
• Track 5 : Estes_129
• Track 6 : Nanosmite_121

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

The start number called the most often in the published annotations is 7, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Estes_129, GardenSalsa_128, Nanosmite_121, Rey_131,

Genes that have the "Most Annotated" start but do not call it:
• Aziz_128, GenevaB15_132, MrMagoo_129,

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

Summary by start number:

Start 7:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 57.1% of time when present
• Phage (with cluster) where this start called: Estes_129 (M2), GardenSalsa_128 (M2), Nanosmite_121 (M3), Rey_131 (M2),

Start 9:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 42.9% of time when present

• Phage (with cluster) where this start called: Aziz_128 (M2), GenevaB15_132 (M2), MrMagoo_129 (M2),

Summary by clusters:

There are 2 clusters represented in this pham: M3, M2,

Info for manual annotations of cluster M2:
•Start number 7 was manually annotated 3 times for cluster M2.
•Start number 9 was manually annotated 3 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 7 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: Aziz_128 Start: 62131, Stop: 62547, Start Num: 9
Candidate Starts for Aziz_128:
(3, 62026), (Start: 7 @62113 has 4 MA's), (8, 62119), (Start: 9 @62131 has 3 MA's), (10, 62167), (11, 62176), (12, 62212), (14, 62455), (15, 62458),

Gene: Estes_129 Start: 62360, Stop: 62791, Start Num: 7
Candidate Starts for Estes_129:
(1, 62225), (2, 62252), (5, 62315), (Start: 7 @62360 has 4 MA's), (8, 62366), (Start: 9 @62378 has 3 MA's), (10, 62414), (11, 62423), (12, 62459), (14, 62702), (15, 62705),

Gene: GardenSalsa_128 Start: 62292, Stop: 62723, Start Num: 7
Candidate Starts for GardenSalsa_128:
(Start: 7 @62292 has 4 MA's), (8, 62298), (Start: 9 @62310 has 3 MA's), (10, 62346), (11, 62355), (12, 62391), (14, 62634), (15, 62637),

Gene: GenevaB15_132 Start: 62131, Stop: 62547, Start Num: 9
Candidate Starts for GenevaB15_132:
(3, 62026), (Start: 7 @62113 has 4 MA's), (8, 62119), (Start: 9 @62131 has 3 MA's), (10, 62167), (11, 62176), (12, 62212), (14, 62455), (15, 62458),

Gene: MrMagoo_129 Start: 62311, Stop: 62724, Start Num: 9
Candidate Starts for MrMagoo_129:
(Start: 7 @62293 has 4 MA's), (8, 62299), (Start: 9 @62311 has 3 MA's), (10, 62347), (11, 62356), (12, 62392), (14, 62635), (15, 62638),

Gene: Nanosmite_121 Start: 61648, Stop: 62088, Start Num: 7
Candidate Starts for Nanosmite_121:
(6, 61594), (Start: 7 @61648 has 4 MA's), (8, 61654), (Start: 9 @61666 has 3 MA's), (11, 61711), (13, 61933),

Gene: Rey_131 Start: 62347, Stop: 62781, Start Num: 7
Candidate Starts for Rey_131:
(4, 62281), (6, 62302), (Start: 7 @62347 has 4 MA's), (8, 62353), (Start: 9 @62365 has 3 MA's), (10, 62401), (11, 62410), (12, 62446), (14, 62689), (15, 62692),