Pham 107198


9
10
12
1: Makemake_33
4
6
7
9
10
12
2: Ruotula_32 + 2
1
2
3
6
7
8
9
10
12
3: Fascinus_32
4
5
6
7
9
10
11
12
4: Sunshine924_34

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 107198 Report

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

Pham number 107198 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Makemake_33
• Track 2 : Ruotula_32, Lockley_33, SkiPole_35
• Track 3 : Fascinus_32
• Track 4 : Sunshine924_34

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

The start number called the most often in the published annotations is 6, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Fascinus_32, Lockley_33, Ruotula_32, SkiPole_35,

Genes that have the "Most Annotated" start but do not call it:
• Sunshine924_34,

Genes that do not have the "Most Annotated" start:
• Makemake_33,

Summary by start number:

Start 5:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sunshine924_34 (A1),

Start 6:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Fascinus_32 (A1), Lockley_33 (A1), Ruotula_32 (A1), SkiPole_35 (A1),

Start 9:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Makemake_33 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 5 was manually annotated 1 time for cluster A1.
•Start number 6 was manually annotated 4 times for cluster A1.
•Start number 9 was manually annotated 1 time for cluster A1.

Gene Information:

Gene: Fascinus_32 Start: 26947, Stop: 27366, Start Num: 6
Candidate Starts for Fascinus_32:
(1, 26467), (2, 26539), (3, 26734), (Start: 6 @26947 has 4 MA's), (7, 26959), (8, 26995), (Start: 9 @27037 has 1 MA's), (10, 27151), (12, 27349),

Gene: Lockley_33 Start: 26956, Stop: 27375, Start Num: 6
Candidate Starts for Lockley_33:
(4, 26743), (Start: 6 @26956 has 4 MA's), (7, 26968), (Start: 9 @27046 has 1 MA's), (10, 27160), (12, 27358),

Gene: Makemake_33 Start: 28299, Stop: 28628, Start Num: 9
Candidate Starts for Makemake_33:
(Start: 9 @28299 has 1 MA's), (10, 28413), (12, 28611),

Gene: Ruotula_32 Start: 27615, Stop: 28034, Start Num: 6
Candidate Starts for Ruotula_32:
(4, 27402), (Start: 6 @27615 has 4 MA's), (7, 27627), (Start: 9 @27705 has 1 MA's), (10, 27819), (12, 28017),

Gene: SkiPole_35 Start: 27330, Stop: 27749, Start Num: 6
Candidate Starts for SkiPole_35:
(4, 27117), (Start: 6 @27330 has 4 MA's), (7, 27342), (Start: 9 @27420 has 1 MA's), (10, 27534), (12, 27732),

Gene: Sunshine924_34 Start: 26788, Stop: 27255, Start Num: 5
Candidate Starts for Sunshine924_34:
(4, 26623), (Start: 5 @26788 has 1 MA's), (Start: 6 @26836 has 4 MA's), (7, 26848), (Start: 9 @26926 has 1 MA's), (10, 27040), (11, 27166), (12, 27238),