Pham 164090

6
11
1: Anon_54
6
9
2: Oofda_59 + 1
6
11
13
14
3: Nedarya_53
6
9
4: Remus_58 + 1
1
3
7
5: Rabbitrun_66
2
4
5
10
15
6: Rabbitrun_65
1
8
12
15
7: Neville_64 + 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 164090 Report

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

Pham number 164090 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Anon_54
• Track 2 : Oofda_59, Waits_58
• Track 3 : Nedarya_53
• Track 4 : Remus_58, Strosahl_58
• Track 5 : Rabbitrun_66
• Track 6 : Rabbitrun_65
• Track 7 : Neville_64, Trax_64

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 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anon_54, Nedarya_53, Oofda_59, Remus_58, Strosahl_58, Waits_58,

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

Genes that do not have the "Most Annotated" start:
• Neville_64, Rabbitrun_65, Rabbitrun_66, Trax_64,

Summary by start number:

Start 1:
• Found in 3 of 10 (30.0%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Neville_64 (DU2), Rabbitrun_66 (DU2), Trax_64 (DU2),

Start 4:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 9

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rabbitrun_65 (DU2),

Start 6:
• Found in 6 of 10 (60.0%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anon_54 (A15), Nedarya_53 (A15), Oofda_59 (A15), Remus_58 (A15), Strosahl_58 (A15), Waits_58 (A15),

Summary by clusters:

There are 2 clusters represented in this pham: A15, DU2,

Info for manual annotations of cluster A15:
•Start number 6 was manually annotated 5 times for cluster A15.

Info for manual annotations of cluster DU2:
•Start number 1 was manually annotated 3 times for cluster DU2.
•Start number 4 was manually annotated 1 time for cluster DU2.

Gene Information:

Gene: Anon_54 Start: 34566, Stop: 34402, Start Num: 6
Candidate Starts for Anon_54:
(Start: 6 @34566 has 5 MA's), (11, 34464),

Gene: Nedarya_53 Start: 34489, Stop: 34322, Start Num: 6
Candidate Starts for Nedarya_53:
(Start: 6 @34489 has 5 MA's), (11, 34384), (13, 34375), (14, 34351),

Gene: Neville_64 Start: 42559, Stop: 42732, Start Num: 1
Candidate Starts for Neville_64:
(Start: 1 @42559 has 3 MA's), (8, 42589), (12, 42670), (15, 42709),

Gene: Oofda_59 Start: 35159, Stop: 34998, Start Num: 6
Candidate Starts for Oofda_59:
(Start: 6 @35159 has 5 MA's), (9, 35087),

Gene: Rabbitrun_66 Start: 42782, Stop: 42979, Start Num: 1
Candidate Starts for Rabbitrun_66:
(Start: 1 @42782 has 3 MA's), (3, 42788), (7, 42827),

Gene: Rabbitrun_65 Start: 42603, Stop: 42785, Start Num: 4
Candidate Starts for Rabbitrun_65:
(2, 42585), (Start: 4 @42603 has 1 MA's), (5, 42612), (10, 42705), (15, 42762),

Gene: Remus_58 Start: 34948, Stop: 34787, Start Num: 6
Candidate Starts for Remus_58:
(Start: 6 @34948 has 5 MA's), (9, 34876),

Gene: Strosahl_58 Start: 34948, Stop: 34787, Start Num: 6
Candidate Starts for Strosahl_58:
(Start: 6 @34948 has 5 MA's), (9, 34876),

Gene: Trax_64 Start: 42844, Stop: 43029, Start Num: 1
Candidate Starts for Trax_64:
(Start: 1 @42844 has 3 MA's), (8, 42886), (12, 42967), (15, 43006),

Gene: Waits_58 Start: 35150, Stop: 34989, Start Num: 6
Candidate Starts for Waits_58:
(Start: 6 @35150 has 5 MA's), (9, 35078),