Pham 27970

1: Phreeze_61 + 1

2: Damien_62 + 4

3: Oaker_61

4: Puissant_63

5: Predator_61

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 27970 Report

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

Pham number 27970 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Phreeze_61, Thumb_63
• Track 2 : Damien_62, Cborch11_64, Konstantine_66, Beckerton_61, Megatron06_65
• Track 3 : Oaker_61
• Track 4 : Puissant_63
• Track 5 : Predator_61

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 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beckerton_61, Cborch11_64, Damien_62, Konstantine_66, Megatron06_65, Oaker_61, Phreeze_61, Puissant_63, Thumb_63,

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

Genes that do not have the "Most Annotated" start:
• Predator_61,

Summary by start number:

Start 2:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Predator_61 (H1),

Start 3:
• Found in 9 of 10 (90.0%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Beckerton_61 (H1), Cborch11_64 (H1), Damien_62 (H1), Konstantine_66 (H1), Megatron06_65 (H1), Oaker_61 (H1), Phreeze_61 (H1), Puissant_63 (H1), Thumb_63 (H1),

Summary by clusters:

There is one cluster represented in this pham: H1

Info for manual annotations of cluster H1:
•Start number 2 was manually annotated 1 time for cluster H1.
•Start number 3 was manually annotated 7 times for cluster H1.

Gene Information:

Gene: Beckerton_61 Start: 48626, Stop: 48895, Start Num: 3
Candidate Starts for Beckerton_61:
(1, 48584), (Start: 3 @48626 has 7 MA's), (4, 48737), (5, 48746), (6, 48767), (8, 48869),

Gene: Cborch11_64 Start: 48145, Stop: 48414, Start Num: 3
Candidate Starts for Cborch11_64:
(1, 48103), (Start: 3 @48145 has 7 MA's), (4, 48256), (5, 48265), (6, 48286), (8, 48388),

Gene: Damien_62 Start: 48107, Stop: 48376, Start Num: 3
Candidate Starts for Damien_62:
(1, 48065), (Start: 3 @48107 has 7 MA's), (4, 48218), (5, 48227), (6, 48248), (8, 48350),

Gene: Konstantine_66 Start: 48938, Stop: 49207, Start Num: 3
Candidate Starts for Konstantine_66:
(1, 48896), (Start: 3 @48938 has 7 MA's), (4, 49049), (5, 49058), (6, 49079), (8, 49181),

Gene: Megatron06_65 Start: 48684, Stop: 48953, Start Num: 3
Candidate Starts for Megatron06_65:
(1, 48642), (Start: 3 @48684 has 7 MA's), (4, 48795), (5, 48804), (6, 48825), (8, 48927),

Gene: Oaker_61 Start: 48398, Stop: 48658, Start Num: 3
Candidate Starts for Oaker_61:
(1, 48356), (Start: 3 @48398 has 7 MA's), (4, 48509), (5, 48518), (8, 48632),

Gene: Phreeze_61 Start: 47704, Stop: 47973, Start Num: 3
Candidate Starts for Phreeze_61:
(1, 47662), (Start: 3 @47704 has 7 MA's), (4, 47815), (5, 47824), (6, 47845), (8, 47947),

Gene: Predator_61 Start: 46304, Stop: 46576, Start Num: 2
Candidate Starts for Predator_61:
(Start: 2 @46304 has 1 MA's), (4, 46424), (5, 46433), (7, 46496),

Gene: Puissant_63 Start: 47807, Stop: 48076, Start Num: 3
Candidate Starts for Puissant_63:
(1, 47765), (Start: 3 @47807 has 7 MA's), (4, 47918), (5, 47927), (6, 47948),

Gene: Thumb_63 Start: 48139, Stop: 48408, Start Num: 3

Candidate Starts for Thumb_63:
(1, 48097), (Start: 3 @48139 has 7 MA's), (4, 48250), (5, 48259), (6, 48280), (8, 48382),