Pham 27903

1: Predator_13

2: Beckerton_9 + 6

3: Thumb_9

4: Barnyard_14

5: DrLupo_15

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 27903 Report

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

Pham number 27903 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Predator_13
• Track 2 : Beckerton_9, Damien_9, Cborch11_10, Oaker_9, Phreeze_9, Konstantine_14, Megatron06_12
• Track 3 : Thumb_9
• Track 4 : Barnyard_14
• Track 5 : DrLupo_15

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 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beckerton_9, Cborch11_10, Damien_9, Konstantine_14, Megatron06_12, Oaker_9, Phreeze_9, Thumb_9,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Barnyard_14, DrLupo_15, Predator_13,

Summary by start number:

Start 1:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DrLupo_15 (H2),

Start 2:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 50.0% of time when present

• Phage (with cluster) where this start called: Barnyard_14 (H2),

Start 3:
• Found in 8 of 11 (72.7%) of genes in pham
• Manual Annotations of this start: 7 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beckerton_9 (H1), Cborch11_10 (H1), Damien_9 (H1), Konstantine_14 (H1), Megatron06_12 (H1), Oaker_9 (H1), Phreeze_9 (H1), Thumb_9 (H1),

Start 4:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Predator_13 (H1),

Summary by clusters:

There are 2 clusters represented in this pham: H2, H1,

Info for manual annotations of cluster H1:
•Start number 3 was manually annotated 7 times for cluster H1.
•Start number 4 was manually annotated 1 time for cluster H1.

Info for manual annotations of cluster H2:
•Start number 1 was manually annotated 1 time for cluster H2.
•Start number 2 was manually annotated 1 time for cluster H2.

Gene Information:
Gene: Barnyard_14 Start: 7445, Stop: 7744, Start Num: 2
Candidate Starts for Barnyard_14:
(Start: 2 @7445 has 1 MA's), (5, 7460), (6, 7499), (9, 7601), (10, 7613), (11, 7646), (12, 7661), (14, 7703), (15, 7712),

Gene: Beckerton_9 Start: 6977, Stop: 7273, Start Num: 3
Candidate Starts for Beckerton_9:
(Start: 3 @6977 has 7 MA's), (8, 7109), (13, 7211),

Gene: Cborch11_10 Start: 6442, Stop: 6738, Start Num: 3
Candidate Starts for Cborch11_10:
(Start: 3 @6442 has 7 MA's), (8, 6574), (13, 6676),

Gene: Damien_9 Start: 6442, Stop: 6738, Start Num: 3
Candidate Starts for Damien_9:
(Start: 3 @6442 has 7 MA's), (8, 6574), (13, 6676),

Gene: DrLupo_15 Start: 7578, Stop: 7883, Start Num: 1
Candidate Starts for DrLupo_15:
(Start: 1 @7578 has 1 MA's), (Start: 2 @7584 has 1 MA's), (5, 7599), (6, 7638), (7, 7695), (10, 7752), (11, 7785), (13, 7821), (15, 7851),

Gene: Konstantine_14 Start: 7641, Stop: 7937, Start Num: 3
Candidate Starts for Konstantine_14:
(Start: 3 @7641 has 7 MA's), (8, 7773), (13, 7875),

Gene: Megatron06_12 Start: 6977, Stop: 7273, Start Num: 3
Candidate Starts for Megatron06_12:
(Start: 3 @6977 has 7 MA's), (8, 7109), (13, 7211),

Gene: Oaker_9 Start: 6698, Stop: 6994, Start Num: 3
Candidate Starts for Oaker_9:
(Start: 3 @6698 has 7 MA's), (8, 6830), (13, 6932),

Gene: Phreeze_9 Start: 6442, Stop: 6738, Start Num: 3
Candidate Starts for Phreeze_9:
(Start: 3 @6442 has 7 MA's), (8, 6574), (13, 6676),

Gene: Predator_13 Start: 7980, Stop: 8267, Start Num: 4
Candidate Starts for Predator_13:
(Start: 4 @7980 has 1 MA's), (6, 8025), (11, 8169),

Gene: Thumb_9 Start: 6443, Stop: 6739, Start Num: 3
Candidate Starts for Thumb_9:
(Start: 3 @6443 has 7 MA's), (6, 6494), (8, 6575), (13, 6677),