Pham 214895

1: PauloDiaboli_19 + 3

2: A3Wally_19 + 1

3: Zooman_17 + 1

4: Big4_19 + 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 214895 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214895 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : PauloDiaboli_19, Dodo_20, Dodo_370, PauloDiaboli_374
• Track 2 : A3Wally_19, A3Wally_372
• Track 3 : Zooman_17, Zooman_330
• Track 4 : Big4_19, Big4_345

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

The start number called the most often in the published annotations is 5, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Big4_19, Big4_345, Zooman_17, Zooman_330,

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:
• A3Wally_19, A3Wally_372, Dodo_20, Dodo_370, PauloDiaboli_19, PauloDiaboli_374,

Summary by start number:

Start 3:
• Found in 6 of 10 (60.0%) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: A3Wally_19 (GD1), A3Wally_372 (GD1), Dodo_20 (GD1), Dodo_370 (GD1), PauloDiaboli_19 (GD1), PauloDiaboli_374 (GD1),

Start 5:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Big4_19 (GD2), Big4_345 (GD2), Zooman_17 (GD2), Zooman_330 (GD2),

Summary by clusters:

There are 2 clusters represented in this pham: GD1, GD2,

Info for manual annotations of cluster GD1:
•Start number 3 was manually annotated 4 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 5 was manually annotated 4 times for cluster GD2.

Gene Information:
Gene: A3Wally_19 Start: 6966, Stop: 7199, Start Num: 3
Candidate Starts for A3Wally_19:
(Start: 3 @6966 has 4 MA's), (4, 6969), (8, 7035), (10, 7089), (11, 7113), (13, 7182),

Gene: A3Wally_372 Start: 186187, Stop: 186420, Start Num: 3
Candidate Starts for A3Wally_372:
(Start: 3 @186187 has 4 MA's), (4, 186190), (8, 186256), (10, 186310), (11, 186334), (13, 186403),

Gene: Big4_19 Start: 8718, Stop: 8936, Start Num: 5
Candidate Starts for Big4_19:
(1, 8646), (2, 8655), (Start: 5 @8718 has 4 MA's), (6, 8739), (7, 8763), (9, 8793), (12, 8898), (13, 8922),

Gene: Big4_345 Start: 183412, Stop: 183630, Start Num: 5
Candidate Starts for Big4_345:
(1, 183340), (2, 183349), (Start: 5 @183412 has 4 MA's), (6, 183433), (7, 183457), (9, 183487), (12, 183592), (13, 183616),

Gene: Dodo_20 Start: 6813, Stop: 7046, Start Num: 3
Candidate Starts for Dodo_20:
(Start: 3 @6813 has 4 MA's), (4, 6816), (8, 6882), (10, 6936), (11, 6960),

Gene: Dodo_370 Start: 185013, Stop: 185246, Start Num: 3
Candidate Starts for Dodo_370:
(Start: 3 @185013 has 4 MA's), (4, 185016), (8, 185082), (10, 185136), (11, 185160),

Gene: PauloDiaboli_19 Start: 6806, Stop: 7039, Start Num: 3
Candidate Starts for PauloDiaboli_19:
(Start: 3 @6806 has 4 MA's), (4, 6809), (8, 6875), (10, 6929), (11, 6953),

Gene: PauloDiaboli_374 Start: 183435, Stop: 183668, Start Num: 3
Candidate Starts for PauloDiaboli_374:
(Start: 3 @183435 has 4 MA's), (4, 183438), (8, 183504), (10, 183558), (11, 183582),

Gene: Zooman_17 Start: 8099, Stop: 8317, Start Num: 5
Candidate Starts for Zooman_17:

(1, 8027), (Start: 5 @8099 has 4 MA's), (6, 8120), (7, 8144), (9, 8174), (12, 8279), (13, 8303),

Gene: Zooman_330 Start: 183750, Stop: 183968, Start Num: 5
Candidate Starts for Zooman_330:
(1, 183678), (Start: 5 @183750 has 4 MA's), (6, 183771), (7, 183795), (9, 183825), (12, 183930), (13, 183954),