Pham 8492


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1: PauloDiaboli_234
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2: ABWally_234
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3: Big4_216
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12
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16
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31
4: Zooman_199
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10
13
15
21
26
32
5: Pumpernickel_217

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 8492 Report

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

Pham number 8492 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : PauloDiaboli_234
• Track 2 : A3Wally_234
• Track 3 : Big4_216
• Track 4 : Zooman_199
• Track 5 : Pumpernickel_217

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

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

Genes that call this "Most Annotated" start:
• Big4_216, PauloDiaboli_234, Pumpernickel_217, Zooman_199,

Genes that have the "Most Annotated" start but do not call it:
• A3Wally_234,

Genes that do not have the "Most Annotated" start:
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Summary by start number:

Start 6:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 50.0% of time when present
• Phage (with cluster) where this start called: A3Wally_234 (GD1),

Start 8:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Big4_216 (GD2), PauloDiaboli_234 (GD1), Pumpernickel_217 (GD4), Zooman_199 (GD2),

Summary by clusters:

There are 3 clusters represented in this pham: GD1, GD2, GD4,

Info for manual annotations of cluster GD1:
•Start number 6 was manually annotated 1 time for cluster GD1.
•Start number 8 was manually annotated 1 time for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 8 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD4:
•Start number 8 was manually annotated 1 time for cluster GD4.

Gene Information:

Gene: A3Wally_234 Start: 125260, Stop: 125991, Start Num: 6
Candidate Starts for A3Wally_234:
(1, 124894), (2, 124933), (3, 124942), (4, 124987), (5, 125011), (Start: 6 @125260 has 1 MA's), (7, 125290), (Start: 8 @125296 has 4 MA's), (10, 125383), (14, 125539), (17, 125590), (18, 125605), (19, 125659), (27, 125794), (33, 125986),

Gene: Big4_216 Start: 120711, Stop: 121400, Start Num: 8
Candidate Starts for Big4_216:
(7, 120705), (Start: 8 @120711 has 4 MA's), (9, 120795), (10, 120798), (12, 120867), (16, 120990), (21, 121083), (22, 121086), (24, 121143), (28, 121233), (29, 121245), (32, 121377),

Gene: PauloDiaboli_234 Start: 123506, Stop: 124195, Start Num: 8
Candidate Starts for PauloDiaboli_234:
(Start: 6 @123470 has 1 MA's), (7, 123500), (Start: 8 @123506 has 4 MA's), (9, 123590), (10, 123593), (11, 123617), (16, 123785), (20, 123869), (21, 123878), (23, 123920), (25, 123944), (28, 124028), (32, 124172),

Gene: Pumpernickel_217 Start: 124576, Stop: 125283, Start Num: 8
Candidate Starts for Pumpernickel_217:
(7, 124570), (Start: 8 @124576 has 4 MA's), (10, 124663), (13, 124768), (15, 124816), (21, 124948), (26, 125026), (32, 125260),

Gene: Zooman_199 Start: 117353, Stop: 118042, Start Num: 8
Candidate Starts for Zooman_199:
(7, 117347), (Start: 8 @117353 has 4 MA's), (12, 117509), (15, 117593), (16, 117632), (21, 117725), (28, 117875), (30, 117938), (31, 118001),