Pham 348272


2
13
26
1: BlueNGold_72 + 3
1
2
3
18
2: Sixama_67
4
6
9
18
25
3: RedWattleHog_171 + 1
5
7
8
11
21
22
23
4: Wee_60
5
7
8
11
17
21
22
23
5: Constella_113
10
12
14
15
16
19
20
24
6: E3_gp75

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 348272 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348272 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BlueNGold_72, Boopy_74, Mareelih_72, Forza_74
• Track 2 : Sixama_67
• Track 3 : RedWattleHog_171, Stormageddon_172
• Track 4 : Wee_60
• Track 5 : Constella_113
• Track 6 : E3_gp75

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

The start number called the most often in the published annotations is 2, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BlueNGold_72, Boopy_74, Forza_74, Mareelih_72, Sixama_67,

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

Genes that do not have the "Most Annotated" start:
• Constella_113, E3_gp75, RedWattleHog_171, Stormageddon_172, Wee_60,

Summary by start number:

Start 2:
• Found in 5 of 10 (50.0%) 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: BlueNGold_72 (DS), Boopy_74 (DS), Forza_74 (DS), Mareelih_72 (DS), Sixama_67 (DS),

Start 4:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present

• Phage (with cluster) where this start called: RedWattleHog_171 (DX), Stormageddon_172 (DX),

Start 5:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Wee_60 (F1),

Start 8:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Constella_113 (J),

Start 12:
• Found in 1 of 10 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: E3_gp75 (singleton),

Summary by clusters:

There are 5 clusters represented in this pham: F1, singleton, J, DS, DX,

Info for manual annotations of cluster DS:
•Start number 2 was manually annotated 5 times for cluster DS.

Info for manual annotations of cluster DX:
•Start number 4 was manually annotated 2 times for cluster DX.

Info for manual annotations of cluster F1:
•Start number 5 was manually annotated 1 time for cluster F1.

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

Gene Information:

Gene: BlueNGold_72 Start: 29895, Stop: 30227, Start Num: 2
Candidate Starts for BlueNGold_72:
(Start: 2 @29895 has 5 MA's), (13, 30018), (26, 30198),

Gene: Boopy_74 Start: 29907, Stop: 30239, Start Num: 2
Candidate Starts for Boopy_74:
(Start: 2 @29907 has 5 MA's), (13, 30030), (26, 30210),

Gene: Constella_113 Start: 65296, Stop: 65556, Start Num: 8
Candidate Starts for Constella_113:
(Start: 5 @65287 has 1 MA's), (7, 65293), (Start: 8 @65296 has 1 MA's), (11, 65320), (17, 65452), (21, 65479), (22, 65494), (23, 65500),

Gene: E3_gp75 Start: 36271, Stop: 36531, Start Num: 12
Candidate Starts for E3_gp75:
(10, 36193), (12, 36271), (14, 36319), (15, 36325), (16, 36346), (19, 36388), (20, 36394), (24, 36454),

Gene: Forza_74 Start: 29823, Stop: 30155, Start Num: 2
Candidate Starts for Forza_74:
(Start: 2 @29823 has 5 MA's), (13, 29946), (26, 30126),

Gene: Mareelih_72 Start: 29325, Stop: 29657, Start Num: 2
Candidate Starts for Mareelih_72:
(Start: 2 @29325 has 5 MA's), (13, 29448), (26, 29628),

Gene: RedWattleHog_171 Start: 110518, Stop: 110832, Start Num: 4
Candidate Starts for RedWattleHog_171:
(Start: 4 @110518 has 2 MA's), (6, 110527), (9, 110536), (18, 110707), (25, 110800),

Gene: Sixama_67 Start: 27863, Stop: 28192, Start Num: 2
Candidate Starts for Sixama_67:
(1, 27854), (Start: 2 @27863 has 5 MA's), (3, 27872), (18, 28064),

Gene: Stormageddon_172 Start: 111483, Stop: 111797, Start Num: 4
Candidate Starts for Stormageddon_172:
(Start: 4 @111483 has 2 MA's), (6, 111492), (9, 111501), (18, 111672), (25, 111765),

Gene: Wee_60 Start: 40789, Stop: 41067, Start Num: 5
Candidate Starts for Wee_60:
(Start: 5 @40789 has 1 MA's), (7, 40795), (Start: 8 @40798 has 1 MA's), (11, 40822), (21, 40981), (22, 40996), (23, 41002),