Pham 9395

1
3
8
10
11
12
13
16
17
18
1: Dre3_67 + 2
1
2
4
6
7
8
11
14
16
18
2: Zareef_68
1
2
4
6
7
8
9
11
14
16
18
3: Fribs8_66
1
5
6
9
11
13
15
16
4: HippoPololi_69
1
2
4
6
7
8
9
11
14
16
18
5: Azira_66 + 2
1
4
6
7
8
9
11
14
16
18
6: Nibbles_66

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 9395 Report

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

Pham number 9395 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Dre3_67, Gibbous_67, Cleo_62
• Track 2 : Zareef_68
• Track 3 : Fribs8_66
• Track 4 : HippoPololi_69
• Track 5 : Azira_66, Survivors_68, MaVan_66
• Track 6 : Nibbles_66

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

The start number called the most often in the published annotations is 1, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Azira_66, Cleo_62, Dre3_67, Fribs8_66, Gibbous_67, HippoPololi_69, MaVan_66, Nibbles_66, Survivors_68,

Genes that have the "Most Annotated" start but do not call it:
• Zareef_68,

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

Summary by start number:

Start 1:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Azira_66 (CT), Cleo_62 (CT), Dre3_67 (CT), Fribs8_66 (CT), Gibbous_67 (CT), HippoPololi_69 (CT), MaVan_66 (CT), Nibbles_66 (CT), Survivors_68 (CT),

Start 2:
• Found in 5 of 10 (50.0%) of genes in pham

• No Manual Annotations of this start.
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Zareef_68 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

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

Gene Information:

Gene: Azira_66 Start: 44614, Stop: 44835, Start Num: 1
Candidate Starts for Azira_66:
(Start: 1 @44614 has 8 MA's), (2, 44626), (4, 44671), (6, 44689), (7, 44701), (8, 44743), (9, 44749), (11, 44761), (14, 44788), (16, 44803), (18, 44827),

Gene: Cleo_62 Start: 44065, Stop: 44286, Start Num: 1
Candidate Starts for Cleo_62:
(Start: 1 @44065 has 8 MA's), (3, 44095), (8, 44194), (10, 44206), (11, 44212), (12, 44218), (13, 44224), (16, 44254), (17, 44269), (18, 44278),

Gene: Dre3_67 Start: 45077, Stop: 45298, Start Num: 1
Candidate Starts for Dre3_67:
(Start: 1 @45077 has 8 MA's), (3, 45107), (8, 45206), (10, 45218), (11, 45224), (12, 45230), (13, 45236), (16, 45266), (17, 45281), (18, 45290),

Gene: Fribs8_66 Start: 45243, Stop: 45464, Start Num: 1
Candidate Starts for Fribs8_66:
(Start: 1 @45243 has 8 MA's), (2, 45255), (4, 45300), (6, 45318), (7, 45330), (8, 45372), (9, 45378), (11, 45390), (14, 45417), (16, 45432), (18, 45456),

Gene: Gibbous_67 Start: 45077, Stop: 45298, Start Num: 1
Candidate Starts for Gibbous_67:
(Start: 1 @45077 has 8 MA's), (3, 45107), (8, 45206), (10, 45218), (11, 45224), (12, 45230), (13, 45236), (16, 45266), (17, 45281), (18, 45290),

Gene: HippoPololi_69 Start: 44655, Stop: 44855, Start Num: 1
Candidate Starts for HippoPololi_69:
(Start: 1 @44655 has 8 MA's), (5, 44727), (6, 44730), (9, 44775), (11, 44787), (13, 44799), (15, 44823), (16, 44829),

Gene: MaVan_66 Start: 44644, Stop: 44865, Start Num: 1
Candidate Starts for MaVan_66:
(Start: 1 @44644 has 8 MA's), (2, 44656), (4, 44701), (6, 44719), (7, 44731), (8, 44773), (9, 44779), (11, 44791), (14, 44818), (16, 44833), (18, 44857),

Gene: Nibbles_66 Start: 44880, Stop: 45101, Start Num: 1
Candidate Starts for Nibbles_66:

(Start: 1 @44880 has 8 MA's), (4, 44937), (6, 44955), (7, 44967), (8, 45009), (9, 45015), (11, 45027), (14, 45054), (16, 45069), (18, 45093),

Gene: Survivors_68 Start: 44670, Stop: 44891, Start Num: 1
Candidate Starts for Survivors_68:
(Start: 1 @44670 has 8 MA's), (2, 44682), (4, 44727), (6, 44745), (7, 44757), (8, 44799), (9, 44805), (11, 44817), (14, 44844), (16, 44859), (18, 44883),

Gene: Zareef_68 Start: 44605, Stop: 44814, Start Num: 2
Candidate Starts for Zareef_68:
(Start: 1 @44593 has 8 MA's), (2, 44605), (4, 44650), (6, 44668), (7, 44680), (8, 44722), (11, 44740), (14, 44767), (16, 44782), (18, 44806),