Pham 348339


3
8
18
29
30
1: NiceHouse_171
7
12
19
22
31
2: OneUp_106
12
6
8
10
11
13
17
20
23
24
27
33
34
3: Keelan_65
4
5
8
9
14
15
17
21
25
26
28
32
4: Fryberger_66
4
5
8
9
14
15
17
21
25
26
28
32
5: Volt_69 + 2
4
5
8
9
14
15
16
17
21
25
32
6: Guey18_72

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 348339 Report

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

Pham number 348339 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : NiceHouse_171
• Track 2 : OneUp_106
• Track 3 : Keelan_65
• Track 4 : Fryberger_66
• Track 5 : Volt_69, Ronaldo_69, Ziko_69
• Track 6 : Guey18_72

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 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Guey18_72, NiceHouse_171, Ronaldo_69, Volt_69, Ziko_69,

Genes that have the "Most Annotated" start but do not call it:
• Fryberger_66, Keelan_65,

Genes that do not have the "Most Annotated" start:
• OneUp_106,

Summary by start number:

Start 1:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Keelan_65 (DP),

Start 4:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Fryberger_66 (DP),

Start 7:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: OneUp_106 (CQ2),

Start 8:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Guey18_72 (DP), NiceHouse_171 (CE), Ronaldo_69 (DP), Volt_69 (DP), Ziko_69 (DP),

Summary by clusters:

There are 3 clusters represented in this pham: CQ2, CE, DP,

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

Info for manual annotations of cluster CQ2:
•Start number 7 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster DP:
•Start number 1 was manually annotated 1 time for cluster DP.
•Start number 4 was manually annotated 1 time for cluster DP.
•Start number 8 was manually annotated 4 times for cluster DP.

Gene Information:

Gene: Fryberger_66 Start: 37289, Stop: 36822, Start Num: 4
Candidate Starts for Fryberger_66:
(Start: 4 @37289 has 1 MA's), (5, 37286), (Start: 8 @37241 has 5 MA's), (9, 37220), (14, 37133), (15, 37124), (17, 37103), (21, 37061), (25, 36998), (26, 36992), (28, 36953), (32, 36887),

Gene: Guey18_72 Start: 38757, Stop: 38341, Start Num: 8
Candidate Starts for Guey18_72:
(Start: 4 @38805 has 1 MA's), (5, 38802), (Start: 8 @38757 has 5 MA's), (9, 38736), (14, 38649), (15, 38640), (16, 38628), (17, 38619), (21, 38577), (25, 38514), (32, 38406),

Gene: Keelan_65 Start: 37692, Stop: 37240, Start Num: 1
Candidate Starts for Keelan_65:
(Start: 1 @37692 has 1 MA's), (2, 37689), (6, 37662), (Start: 8 @37620 has 5 MA's), (10, 37569), (11, 37560), (13, 37527), (17, 37464), (20, 37425), (23, 37389), (24, 37371), (27, 37347), (33, 37254), (34, 37245),

Gene: NiceHouse_171 Start: 97963, Stop: 98331, Start Num: 8
Candidate Starts for NiceHouse_171:
(3, 97906), (Start: 8 @97963 has 5 MA's), (18, 98119), (29, 98266), (30, 98290),

Gene: OneUp_106 Start: 66594, Stop: 66947, Start Num: 7
Candidate Starts for OneUp_106:
(Start: 7 @66594 has 1 MA's), (12, 66660), (19, 66759), (22, 66783), (31, 66942),

Gene: Ronaldo_69 Start: 38131, Stop: 37712, Start Num: 8
Candidate Starts for Ronaldo_69:
(Start: 4 @38179 has 1 MA's), (5, 38176), (Start: 8 @38131 has 5 MA's), (9, 38110), (14, 38023), (15, 38014), (17, 37993), (21, 37951), (25, 37888), (26, 37882), (28, 37843), (32, 37777),

Gene: Volt_69 Start: 38295, Stop: 37876, Start Num: 8
Candidate Starts for Volt_69:
(Start: 4 @38343 has 1 MA's), (5, 38340), (Start: 8 @38295 has 5 MA's), (9, 38274), (14, 38187), (15, 38178), (17, 38157), (21, 38115), (25, 38052), (26, 38046), (28, 38007), (32, 37941),

Gene: Ziko_69 Start: 38117, Stop: 37698, Start Num: 8
Candidate Starts for Ziko_69:
(Start: 4 @38165 has 1 MA's), (5, 38162), (Start: 8 @38117 has 5 MA's), (9, 38096), (14, 38009), (15, 38000), (17, 37979), (21, 37937), (25, 37874), (26, 37868), (28, 37829), (32, 37763),