Pham 197018


8
9
12
18
21
22
1: BritBrat_59
8
9
10
12
13
17
18
21
22
2: OneDirection_48
8
9
12
13
18
21
22
3: Lucky10_51 + 1
6
8
9
12
13
18
21
22
4: Birdsong_69 + 4
3
5
7
8
9
12
21
22
5: CheeseTouch_68
1
2
3
4
5
7
8
14
15
16
17
19
20
22
6: Kuwabara_65

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 197018 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197018 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BritBrat_59
• Track 2 : OneDirection_48
• Track 3 : Lucky10_51, Holliday_75
• Track 4 : Birdsong_69, Frickyeah_76, Whitney_71, Budski_76, Asapag_70
• Track 5 : CheeseTouch_68
• Track 6 : Kuwabara_65

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Asapag_70, Birdsong_69, BritBrat_59, Budski_76, CheeseTouch_68, Frickyeah_76, Holliday_75, Kuwabara_65, Lucky10_51, OneDirection_48, Whitney_71,

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

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

Summary by start number:

Start 8:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Asapag_70 (DN1), Birdsong_69 (DN), BritBrat_59 (CY2), Budski_76 (DN), CheeseTouch_68 (DN1), Frickyeah_76 (DN1), Holliday_75 (DN1), Kuwabara_65 (DN4), Lucky10_51 (DH), OneDirection_48 (CZ6), Whitney_71 (DN1),

Summary by clusters:

There are 6 clusters represented in this pham: DN, CY2, DH, CZ6, DN4, DN1,

Info for manual annotations of cluster CY2:
•Start number 8 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CZ6:
•Start number 8 was manually annotated 1 time for cluster CZ6.

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

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

Info for manual annotations of cluster DN1:
•Start number 8 was manually annotated 4 times for cluster DN1.

Info for manual annotations of cluster DN4:
•Start number 8 was manually annotated 1 time for cluster DN4.

Gene Information:

Gene: Asapag_70 Start: 42360, Stop: 42665, Start Num: 8
Candidate Starts for Asapag_70:
(6, 42282), (Start: 8 @42360 has 10 MA's), (9, 42384), (11, 42423), (12, 42426), (13, 42462), (18, 42552), (21, 42618), (22, 42642),

Gene: Birdsong_69 Start: 42096, Stop: 42401, Start Num: 8
Candidate Starts for Birdsong_69:
(6, 42018), (Start: 8 @42096 has 10 MA's), (9, 42120), (11, 42159), (12, 42162), (13, 42198), (18, 42288), (21, 42354), (22, 42378),

Gene: BritBrat_59 Start: 40775, Stop: 41077, Start Num: 8
Candidate Starts for BritBrat_59:
(Start: 8 @40775 has 10 MA's), (9, 40796), (12, 40838), (18, 40964), (21, 41030), (22, 41054),

Gene: Budski_76 Start: 44217, Stop: 44522, Start Num: 8
Candidate Starts for Budski_76:
(6, 44139), (Start: 8 @44217 has 10 MA's), (9, 44241), (11, 44280), (12, 44283), (13, 44319), (18, 44409), (21, 44475), (22, 44499),

Gene: CheeseTouch_68 Start: 36876, Stop: 37178, Start Num: 8
Candidate Starts for CheeseTouch_68:
(3, 36597), (5, 36750), (7, 36864), (Start: 8 @36876 has 10 MA's), (9, 36897), (12, 36939), (21, 37131), (22, 37155),

Gene: Frickyeah_76 Start: 43495, Stop: 43800, Start Num: 8
Candidate Starts for Frickyeah_76:
(6, 43417), (Start: 8 @43495 has 10 MA's), (9, 43519), (11, 43558), (12, 43561), (13, 43597), (18, 43687), (21, 43753), (22, 43777),

Gene: Holliday_75 Start: 46470, Stop: 46775, Start Num: 8
Candidate Starts for Holliday_75:
(Start: 8 @46470 has 10 MA's), (9, 46494), (11, 46533), (12, 46536), (13, 46572), (18, 46662), (21, 46728), (22, 46752),

Gene: Kuwabara_65 Start: 41274, Stop: 41582, Start Num: 8
Candidate Starts for Kuwabara_65:
(1, 40890), (2, 40989), (3, 40995), (4, 41037), (5, 41148), (7, 41262), (Start: 8 @41274 has 10 MA's), (14, 41379), (15, 41397), (16, 41439), (17, 41442), (19, 41484), (20, 41502), (22, 41559),

Gene: Lucky10_51 Start: 34880, Stop: 35185, Start Num: 8
Candidate Starts for Lucky10_51:
(Start: 8 @34880 has 10 MA's), (9, 34904), (11, 34943), (12, 34946), (13, 34982), (18, 35072), (21, 35138), (22, 35162),

Gene: OneDirection_48 Start: 31802, Stop: 32107, Start Num: 8
Candidate Starts for OneDirection_48:
(Start: 8 @31802 has 10 MA's), (9, 31826), (10, 31835), (11, 31865), (12, 31868), (13, 31904), (17, 31973), (18, 31994), (21, 32060), (22, 32084),

Gene: Whitney_71 Start: 44130, Stop: 44435, Start Num: 8
Candidate Starts for Whitney_71:
(6, 44052), (Start: 8 @44130 has 10 MA's), (9, 44154), (11, 44193), (12, 44196), (13, 44232), (18, 44322), (21, 44388), (22, 44412),