Pham 194536


1
2
5
6
7
9
13
15
18
19
20
21
1: Cashline_45
7
14
22
23
24
2: Birdsong_56 + 4
7
14
16
17
22
23
24
3: Budski_63
3
4
7
8
12
14
16
22
23
24
4: Whitney_56
7
10
11
14
22
23
5: Apricot_58 + 1

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 194536 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194536 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Cashline_45
• Track 2 : Birdsong_56, Kenna_56, Asapag_56, Lutum_61, Getalong_59
• Track 3 : Budski_63
• Track 4 : Whitney_56
• Track 5 : Apricot_58, Crater_58

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

The start number called the most often in the published annotations is 7, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Apricot_58, Asapag_56, Birdsong_56, Budski_63, Crater_58, Getalong_59, Kenna_56, Lutum_61, Whitney_56,

Genes that have the "Most Annotated" start but do not call it:
• Cashline_45,

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

Summary by start number:

Start 5:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cashline_45 (CY),

Start 7:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 10
• Called 90.0% of time when present

• Phage (with cluster) where this start called: Apricot_58 (DN3), Asapag_56 (DN1), Birdsong_56 (DN), Budski_63 (DN), Crater_58 (DN3), Getalong_59 (DN1), Kenna_56 (DN1), Lutum_61 (DN1), Whitney_56 (DN1),

Summary by clusters:

There are 4 clusters represented in this pham: DN, CY, DN1, DN3,

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

Info for manual annotations of cluster DN:
•Start number 7 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 7 was manually annotated 5 times for cluster DN1.

Info for manual annotations of cluster DN3:
•Start number 7 was manually annotated 2 times for cluster DN3.

Gene Information:

Gene: Apricot_58 Start: 37168, Stop: 37944, Start Num: 7
Candidate Starts for Apricot_58:
(Start: 7 @37168 has 9 MA's), (10, 37342), (11, 37372), (14, 37420), (22, 37678), (23, 37771),

Gene: Asapag_56 Start: 36674, Stop: 37453, Start Num: 7
Candidate Starts for Asapag_56:
(Start: 7 @36674 has 9 MA's), (14, 36929), (22, 37187), (23, 37280), (24, 37376),

Gene: Birdsong_56 Start: 36895, Stop: 37674, Start Num: 7
Candidate Starts for Birdsong_56:
(Start: 7 @36895 has 9 MA's), (14, 37150), (22, 37408), (23, 37501), (24, 37597),

Gene: Budski_63 Start: 39082, Stop: 39861, Start Num: 7
Candidate Starts for Budski_63:
(Start: 7 @39082 has 9 MA's), (14, 39337), (16, 39451), (17, 39472), (22, 39595), (23, 39688), (24, 39784),

Gene: Cashline_45 Start: 35939, Stop: 36781, Start Num: 5
Candidate Starts for Cashline_45:
(1, 35786), (2, 35837), (Start: 5 @35939 has 1 MA's), (6, 35951), (Start: 7 @35996 has 9 MA's), (9, 36098), (13, 36236), (15, 36299), (18, 36383), (19, 36401), (20, 36488), (21, 36503), (24, 36704), (25, 36707),

Gene: Crater_58 Start: 37563, Stop: 38339, Start Num: 7
Candidate Starts for Crater_58:
(Start: 7 @37563 has 9 MA's), (10, 37737), (11, 37767), (14, 37815), (22, 38073), (23, 38166),

Gene: Getalong_59 Start: 38926, Stop: 39705, Start Num: 7
Candidate Starts for Getalong_59:

(Start: 7 @38926 has 9 MA's), (14, 39181), (22, 39439), (23, 39532), (24, 39628),

Gene: Kenna_56 Start: 37127, Stop: 37906, Start Num: 7
Candidate Starts for Kenna_56:
(Start: 7 @37127 has 9 MA's), (14, 37382), (22, 37640), (23, 37733), (24, 37829),

Gene: Lutum_61 Start: 38291, Stop: 39070, Start Num: 7
Candidate Starts for Lutum_61:
(Start: 7 @38291 has 9 MA's), (14, 38546), (22, 38804), (23, 38897), (24, 38993),

Gene: Whitney_56 Start: 38733, Stop: 39512, Start Num: 7
Candidate Starts for Whitney_56:
(3, 38580), (4, 38643), (Start: 7 @38733 has 9 MA's), (8, 38784), (12, 38973), (14, 38988), (16, 39102), (22, 39246), (23, 39339), (24, 39435),