Pham 128148

1
8
10
1: Forrest_71 + 5
1
3
4
5
6
7
9
2: SparkleGoddess_69 + 2
2
3
4
5
6
7
3: Francob_68
2
3
4
5
6
7
9
4: Phredrick_69
3
5
6
7
9
5: Patelgo_69
1
3
4
5
6
7
6: Belfort_71 + 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 128148 Report

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

Pham number 128148 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Forrest_71, Emma1919_71, Jada_69, Gilson_70, Kenrey_71, MeganTheeKilla_68
• Track 2 : SparkleGoddess_69, Stigma_68, Karp_67
• Track 3 : Francob_68
• Track 4 : Phredrick_69
• Track 5 : Patelgo_69
• Track 6 : Belfort_71, Comrade_69

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 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Belfort_71, Comrade_69, Emma1919_71, Forrest_71, Francob_68, Gilson_70, Jada_69, Karp_67, Kenrey_71, MeganTheeKilla_68, Patelgo_69, Phredrick_69, SparkleGoddess_69, Stigma_68,

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 7:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_71 (BK1), Comrade_69 (BK1), Emma1919_71 (BK1), Forrest_71 (BK1), Francob_68 (BK1), Gilson_70 (BK1), Jada_69 (BK1), Karp_67 (BK1), Kenrey_71 (BK1), MeganTheeKilla_68 (BK1), Patelgo_69 (BK1), Phredrick_69 (BK1), SparkleGoddess_69 (BK1), Stigma_68

(BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:
•Start number 7 was manually annotated 14 times for cluster BK1.

Gene Information:

Gene: Belfort_71 Start: 56221, Stop: 56436, Start Num: 7
Candidate Starts for Belfort_71:
(1, 56101), (3, 56173), (4, 56176), (5, 56191), (6, 56200), (Start: 7 @56221 has 14 MA's),

Gene: Comrade_69 Start: 55837, Stop: 56052, Start Num: 7
Candidate Starts for Comrade_69:
(1, 55717), (3, 55789), (4, 55792), (5, 55807), (6, 55816), (Start: 7 @55837 has 14 MA's),

Gene: Emma1919_71 Start: 54549, Stop: 54752, Start Num: 7
Candidate Starts for Emma1919_71:
(Start: 7 @54549 has 14 MA's), (8, 54669), (10, 54723),

Gene: Forrest_71 Start: 55255, Stop: 55458, Start Num: 7
Candidate Starts for Forrest_71:
(Start: 7 @55255 has 14 MA's), (8, 55375), (10, 55429),

Gene: Francob_68 Start: 54612, Stop: 54821, Start Num: 7
Candidate Starts for Francob_68:
(2, 54525), (3, 54564), (4, 54567), (5, 54582), (6, 54591), (Start: 7 @54612 has 14 MA's),

Gene: Gilson_70 Start: 54511, Stop: 54714, Start Num: 7
Candidate Starts for Gilson_70:
(Start: 7 @54511 has 14 MA's), (8, 54631), (10, 54685),

Gene: Jada_69 Start: 54437, Stop: 54640, Start Num: 7
Candidate Starts for Jada_69:
(Start: 7 @54437 has 14 MA's), (8, 54557), (10, 54611),

Gene: Karp_67 Start: 55436, Stop: 55645, Start Num: 7
Candidate Starts for Karp_67:
(1, 55316), (3, 55388), (4, 55391), (5, 55406), (6, 55415), (Start: 7 @55436 has 14 MA's), (9, 55553),

Gene: Kenrey_71 Start: 54693, Stop: 54896, Start Num: 7
Candidate Starts for Kenrey_71:
(Start: 7 @54693 has 14 MA's), (8, 54813), (10, 54867),

Gene: MeganTheeKilla_68 Start: 53872, Stop: 54075, Start Num: 7
Candidate Starts for MeganTheeKilla_68:
(Start: 7 @53872 has 14 MA's), (8, 53992), (10, 54046),

Gene: Patelgo_69 Start: 55899, Stop: 56108, Start Num: 7
Candidate Starts for Patelgo_69:
(3, 55851), (5, 55869), (6, 55878), (Start: 7 @55899 has 14 MA's), (9, 56016),

Gene: Phredrick_69 Start: 53764, Stop: 53976, Start Num: 7
Candidate Starts for Phredrick_69:
(2, 53677), (3, 53716), (4, 53719), (5, 53734), (6, 53743), (Start: 7 @53764 has 14 MA's), (9, 53884),

Gene: SparkleGoddess_69 Start: 55838, Stop: 56053, Start Num: 7
Candidate Starts for SparkleGoddess_69:
(1, 55718), (3, 55790), (4, 55793), (5, 55808), (6, 55817), (Start: 7 @55838 has 14 MA's), (9, 55961),

Gene: Stigma_68 Start: 55852, Stop: 56061, Start Num: 7
Candidate Starts for Stigma_68:
(1, 55732), (3, 55804), (4, 55807), (5, 55822), (6, 55831), (Start: 7 @55852 has 14 MA's), (9, 55969),