Pham 291697

3
6
7
13
16
17
18
1: BirdInFrench_100 + 1
5
6
7
8
12
14
15
16
17
18
2: Marcie_105
7
8
10
12
14
16
17
3: CandC_100
7
8
12
16
17
19
4: RobinRose_104 + 2
3
7
8
12
16
17
19
5: Tempo_103
4
7
8
9
11
16
17
19
6: OneinaGillian_99
1
2
3
7
8
12
16
17
19
7: Kelcole_101
5
6
7
16
17
8: Pepe25_98
7
8
9
12
16
17
19
9: Fregley_102

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 291697 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291697 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BirdInFrench_100, Wilca_100
• Track 2 : Marcie_105
• Track 3 : CandC_100
• Track 4 : RobinRose_104, KillerQueen_104, Romm_104
• Track 5 : Tempo_103
• Track 6 : OneinaGillian_99
• Track 7 : Kelcole_101
• Track 8 : Pepe25_98
• Track 9 : Fregley_102

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 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BirdInFrench_100, CandC_100, Fregley_102, Kelcole_101, KillerQueen_104, Marcie_105, OneinaGillian_99, RobinRose_104, Romm_104, Tempo_103, Wilca_100,

Genes that have the "Most Annotated" start but do not call it:
• Pepe25_98,

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

Summary by start number:

Start 6:
• Found in 4 of 12 (33.3%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Pepe25_98 (EG),

Start 7:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 11
• Called 91.7% of time when present
• Phage (with cluster) where this start called: BirdInFrench_100 (EG), CandC_100 (EG), Fregley_102 (EG), Kelcole_101 (EG), KillerQueen_104 (EG), Marcie_105 (EG), OneinaGillian_99 (EG), RobinRose_104 (EG), Romm_104 (EG), Tempo_103 (EG), Wilca_100 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 6 was manually annotated 1 time for cluster EG.
•Start number 7 was manually annotated 10 times for cluster EG.

Gene Information:

Gene: BirdInFrench_100 Start: 60082, Stop: 59660, Start Num: 7
Candidate Starts for BirdInFrench_100:
(3, 60217), (Start: 6 @60109 has 1 MA's), (Start: 7 @60082 has 10 MA's), (13, 59890), (16, 59764), (17, 59734), (18, 59698),

Gene: CandC_100 Start: 60173, Stop: 59745, Start Num: 7
Candidate Starts for CandC_100:
(Start: 7 @60173 has 10 MA's), (8, 60101), (10, 60014), (12, 59999), (14, 59918), (16, 59849), (17, 59819),

Gene: Fregley_102 Start: 60306, Stop: 59887, Start Num: 7
Candidate Starts for Fregley_102:
(Start: 7 @60306 has 10 MA's), (8, 60237), (9, 60189), (11, 60138), (12, 60135), (16, 59991), (17, 59961), (19, 59898),

Gene: Kelcole_101 Start: 60816, Stop: 60394, Start Num: 7
Candidate Starts for Kelcole_101:
(1, 61101), (2, 60984), (3, 60954), (Start: 7 @60816 has 10 MA's), (8, 60747), (12, 60645), (16, 60498), (17, 60468), (19, 60405),

Gene: KillerQueen_104 Start: 60735, Stop: 60313, Start Num: 7
Candidate Starts for KillerQueen_104:
(Start: 7 @60735 has 10 MA's), (8, 60666), (12, 60564), (16, 60417), (17, 60387), (19, 60324),

Gene: Marcie_105 Start: 60586, Stop: 60158, Start Num: 7
Candidate Starts for Marcie_105:
(5, 60700), (Start: 6 @60613 has 1 MA's), (Start: 7 @60586 has 10 MA's), (8, 60514), (11, 60415), (12, 60412), (14, 60331), (15, 60298), (16, 60262), (17, 60232), (18, 60196),

Gene: OneinaGillian_99 Start: 59708, Stop: 59289, Start Num: 7
Candidate Starts for OneinaGillian_99:

(4, 59840), (Start: 7 @59708 has 10 MA's), (8, 59639), (9, 59591), (11, 59540), (16, 59393), (17, 59363), (19, 59300),

Gene: Pepe25_98 Start: 58920, Stop: 58579, Start Num: 6
Candidate Starts for Pepe25_98:
(5, 59007), (Start: 6 @58920 has 1 MA's), (Start: 7 @58893 has 10 MA's), (16, 58683), (17, 58653),

Gene: RobinRose_104 Start: 60839, Stop: 60417, Start Num: 7
Candidate Starts for RobinRose_104:
(Start: 7 @60839 has 10 MA's), (8, 60770), (12, 60668), (16, 60521), (17, 60491), (19, 60428),

Gene: Romm_104 Start: 60836, Stop: 60414, Start Num: 7
Candidate Starts for Romm_104:
(Start: 7 @60836 has 10 MA's), (8, 60767), (12, 60665), (16, 60518), (17, 60488), (19, 60425),

Gene: Tempo_103 Start: 60873, Stop: 60451, Start Num: 7
Candidate Starts for Tempo_103:
(3, 61011), (Start: 7 @60873 has 10 MA's), (8, 60804), (12, 60702), (16, 60555), (17, 60525), (19, 60462),

Gene: Wilca_100 Start: 60082, Stop: 59660, Start Num: 7
Candidate Starts for Wilca_100:
(3, 60217), (Start: 6 @60109 has 1 MA's), (Start: 7 @60082 has 10 MA's), (13, 59890), (16, 59764), (17, 59734), (18, 59698),