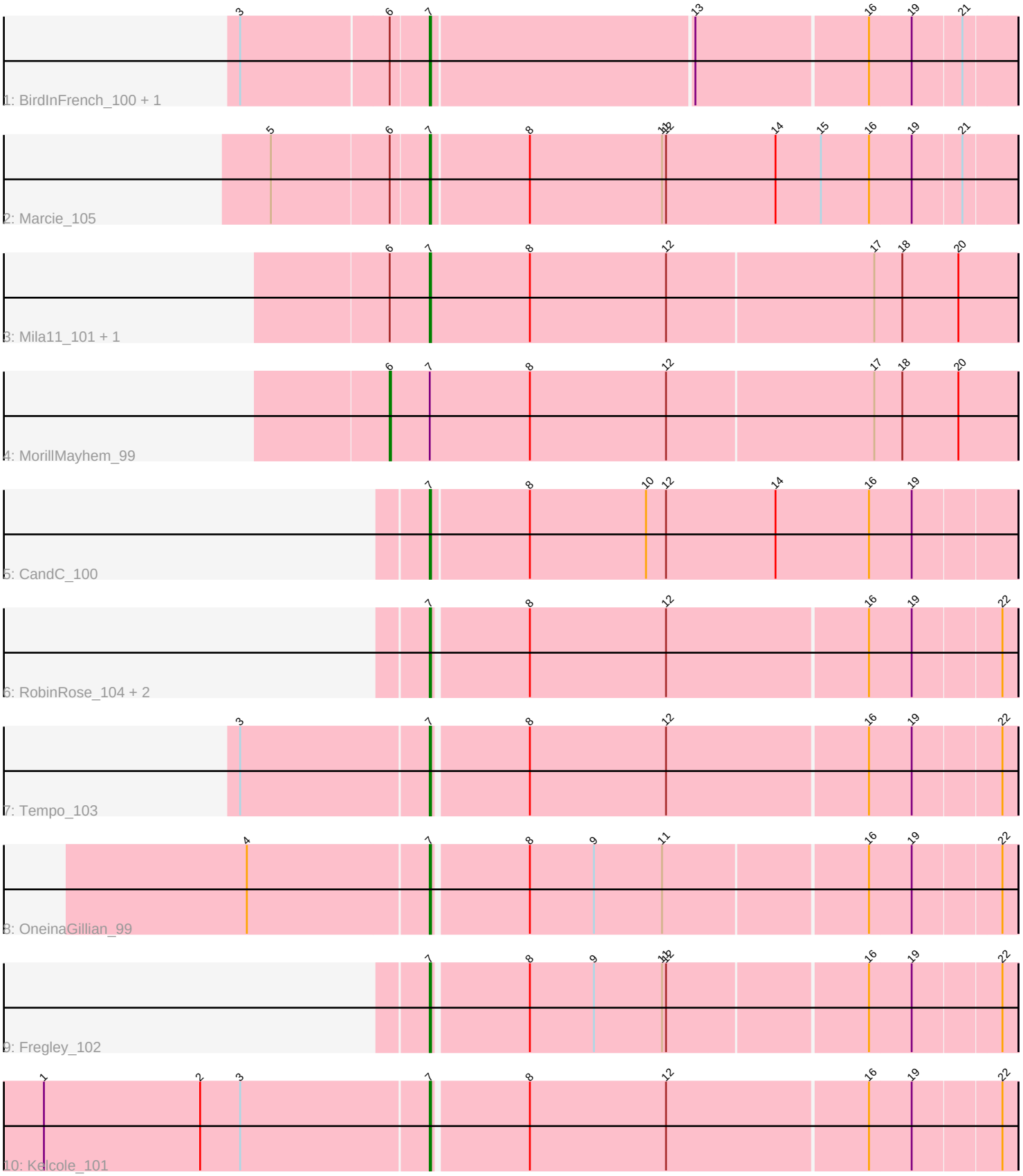
Pham 325743


1: BirdInFrench_100 + 1
2: Marcie_105
3: Mila11_101 + 1
4: MorillMayhem_99
5: CandC_100
6: RobinRose_104 + 2
7: Tempo_103
8: OneinaGillian_99
9: Fregley_102
10: Kelcole_101

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 325743 Report

This analysis was run 09/05/26 on database version 662.

Pham number 325743 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BirdInFrench_100, Wilca_100
• Track 2 : Marcie_105
• Track 3 : Mila11_101, BaconCheese_101
• Track 4 : MorillMayhem_99
• Track 5 : CandC_100
• Track 6 : RobinRose_104, KillerQueen_104, Romm_104
• Track 7 : Tempo_103
• Track 8 : OneinaGillian_99
• Track 9 : Fregley_102
• Track 10 : Kelcole_101

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 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BaconCheese_101, BirdInFrench_100, CandC_100, Fregley_102, Kelcole_101, KillerQueen_104, Marcie_105, Mila11_101, OneinaGillian_99, RobinRose_104, Romm_104, Tempo_103, Wilca_100,

Genes that have the "Most Annotated" start but do not call it:
• MorillMayhem_99,

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

Summary by start number:

Start 6:
• Found in 6 of 14 (42.9%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 16.7% of time when present
• Phage (with cluster) where this start called: MorillMayhem_99 (EG),

Start 7:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 13
• Called 92.9% of time when present
• Phage (with cluster) where this start called: BaconCheese_101 (EG), BirdInFrench_100 (EG), CandC_100 (EG), Fregley_102 (EG), Kelcole_101 (EG), KillerQueen_104 (EG), Marcie_105 (EG), Mila11_101 (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 12 times for cluster EG.

Gene Information:

Gene: BaconCheese_101 Start: 61026, Stop: 60592, Start Num: 7
Candidate Starts for BaconCheese_101:
(Start: 6 @61056 has 1 MA's), (Start: 7 @61026 has 12 MA's), (8, 60951), (12, 60849), (17, 60699), (18, 60678), (20, 60636),

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 12 MA's), (13, 59890), (16, 59764), (19, 59734), (21, 59698),

Gene: CandC_100 Start: 60173, Stop: 59745, Start Num: 7
Candidate Starts for CandC_100:
(Start: 7 @60173 has 12 MA's), (8, 60101), (10, 60014), (12, 59999), (14, 59918), (16, 59849), (19, 59819),

Gene: Fregley_102 Start: 60306, Stop: 59887, Start Num: 7
Candidate Starts for Fregley_102:
(Start: 7 @60306 has 12 MA's), (8, 60237), (9, 60189), (11, 60138), (12, 60135), (16, 59991), (19, 59961), (22, 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 12 MA's), (8, 60747), (12, 60645), (16, 60498), (19, 60468), (22, 60405),

Gene: KillerQueen_104 Start: 60735, Stop: 60313, Start Num: 7
Candidate Starts for KillerQueen_104:
(Start: 7 @60735 has 12 MA's), (8, 60666), (12, 60564), (16, 60417), (19, 60387), (22, 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 12 MA's), (8, 60514), (11, 60415), (12, 60412), (14, 60331), (15, 60298), (16, 60262), (19, 60232), (21, 60196),

Gene: Mila11_101 Start: 61577, Stop: 61143, Start Num: 7
Candidate Starts for Mila11_101:
(Start: 6 @61607 has 1 MA's), (Start: 7 @61577 has 12 MA's), (8, 61502), (12, 61400), (17, 61250), (18, 61229), (20, 61187),

Gene: MorillMayhem_99 Start: 59946, Stop: 59482, Start Num: 6
Candidate Starts for MorillMayhem_99:
(Start: 6 @59946 has 1 MA's), (Start: 7 @59916 has 12 MA's), (8, 59841), (12, 59739), (17, 59589), (18, 59568), (20, 59526),

Gene: OneinaGillian_99 Start: 59708, Stop: 59289, Start Num: 7
Candidate Starts for OneinaGillian_99:
(4, 59840), (Start: 7 @59708 has 12 MA's), (8, 59639), (9, 59591), (11, 59540), (16, 59393), (19, 59363), (22, 59300),

Gene: RobinRose_104 Start: 60839, Stop: 60417, Start Num: 7
Candidate Starts for RobinRose_104:
(Start: 7 @60839 has 12 MA's), (8, 60770), (12, 60668), (16, 60521), (19, 60491), (22, 60428),

Gene: Romm_104 Start: 60836, Stop: 60414, Start Num: 7
Candidate Starts for Romm_104:
(Start: 7 @60836 has 12 MA's), (8, 60767), (12, 60665), (16, 60518), (19, 60488), (22, 60425),

Gene: Tempo_103 Start: 60873, Stop: 60451, Start Num: 7
Candidate Starts for Tempo_103:
(3, 61011), (Start: 7 @60873 has 12 MA's), (8, 60804), (12, 60702), (16, 60555), (19, 60525), (22, 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 12 MA's), (13, 59890), (16, 59764), (19, 59734), (21, 59698),