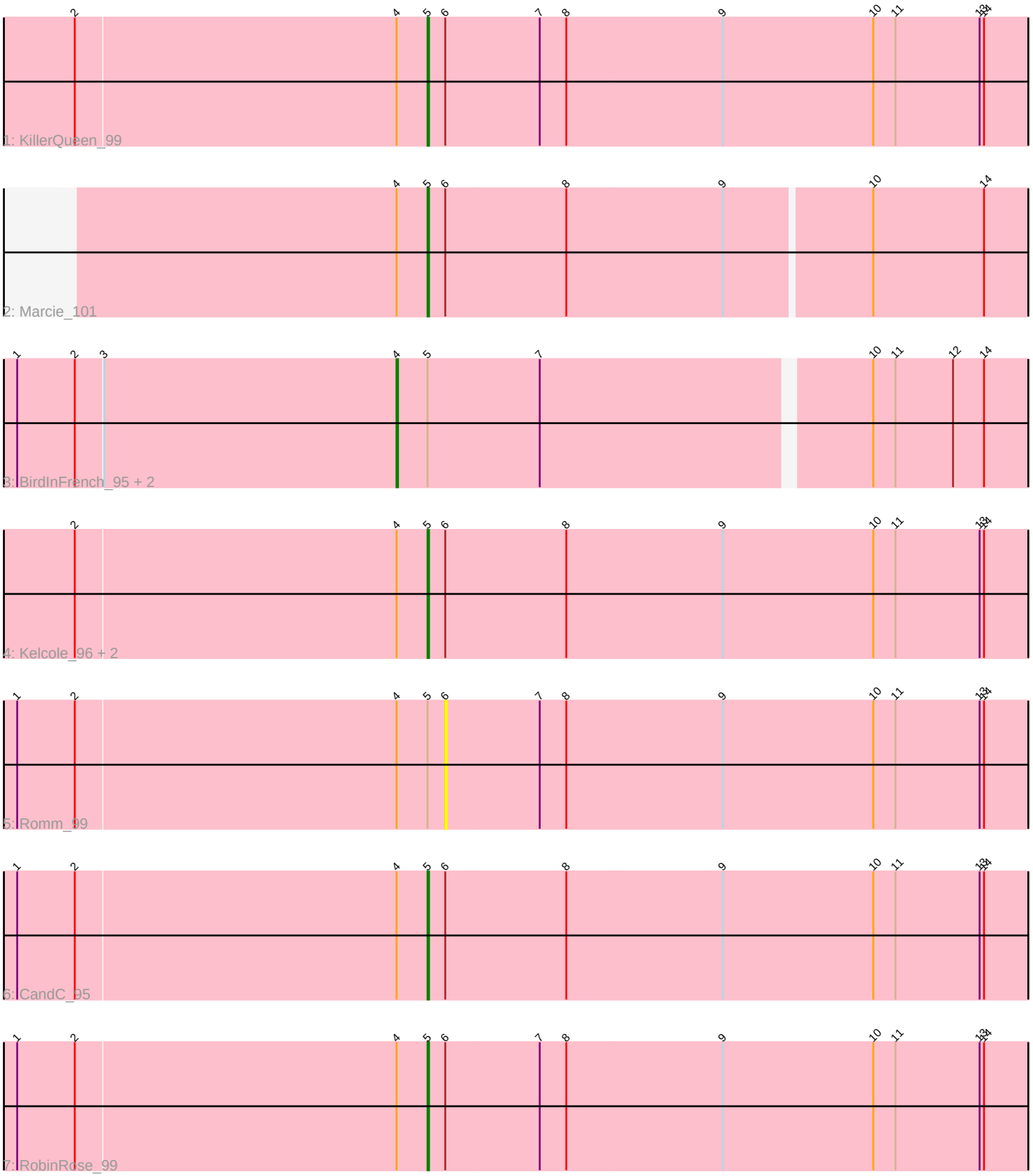
Pham 288364


1: KillerQueen_99
2: Marcie_101
3: BirdInFrench_95 + 2
4: Kelcole_96 + 2
5: Romm_99
6: CandC_95
7: RobinRose_99

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 288364 Report

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

Pham number 288364 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : KillerQueen_99
• Track 2 : Marcie_101
• Track 3 : BirdInFrench_95, Wilca_95, Pepe25_93
• Track 4 : Kelcole_96, Fregley_97, Tempo_98
• Track 5 : Romm_99
• Track 6 : CandC_95
• Track 7 : RobinRose_99

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

The start number called the most often in the published annotations is 5, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CandC_95, Fregley_97, Kelcole_96, KillerQueen_99, Marcie_101, RobinRose_99, Tempo_98,

Genes that have the "Most Annotated" start but do not call it:
• BirdInFrench_95, Pepe25_93, Romm_99, Wilca_95,

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

Summary by start number:

Start 4:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 27.3% of time when present
• Phage (with cluster) where this start called: BirdInFrench_95 (EG), Pepe25_93 (EG), Wilca_95 (EG),

Start 5:
• Found in 11 of 11 (100.0%) of genes in pham

• Manual Annotations of this start: 7 of 10
• Called 63.6% of time when present
• Phage (with cluster) where this start called: CandC_95 (EG), Fregley_97 (EG), Kelcole_96 (EG), KillerQueen_99 (EG), Marcie_101 (EG), RobinRose_99 (EG), Tempo_98 (EG),

Start 6:
• Found in 8 of 11 (72.7%) of genes in pham
• No Manual Annotations of this start.
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Romm_99 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 4 was manually annotated 3 times for cluster EG.
•Start number 5 was manually annotated 7 times for cluster EG.

Gene Information:

Gene: BirdInFrench_95 Start: 57032, Stop: 56538, Start Num: 4
Candidate Starts for BirdInFrench_95:
(1, 57287), (2, 57248), (3, 57230), (Start: 4 @57032 has 3 MA's), (Start: 5 @57011 has 7 MA's), (7, 56936), (10, 56723), (11, 56708), (12, 56669), (14, 56648),

Gene: CandC_95 Start: 57143, Stop: 56658, Start Num: 5
Candidate Starts for CandC_95:
(1, 57419), (2, 57380), (Start: 4 @57164 has 3 MA's), (Start: 5 @57143 has 7 MA's), (6, 57131), (8, 57050), (9, 56945), (10, 56843), (11, 56828), (13, 56771), (14, 56768),

Gene: Fregley_97 Start: 57189, Stop: 56704, Start Num: 5
Candidate Starts for Fregley_97:
(2, 57426), (Start: 4 @57210 has 3 MA's), (Start: 5 @57189 has 7 MA's), (6, 57177), (8, 57096), (9, 56991), (10, 56889), (11, 56874), (13, 56817), (14, 56814),

Gene: Kelcole_96 Start: 57696, Stop: 57211, Start Num: 5
Candidate Starts for Kelcole_96:
(2, 57933), (Start: 4 @57717 has 3 MA's), (Start: 5 @57696 has 7 MA's), (6, 57684), (8, 57603), (9, 57498), (10, 57396), (11, 57381), (13, 57324), (14, 57321),

Gene: KillerQueen_99 Start: 57615, Stop: 57130, Start Num: 5
Candidate Starts for KillerQueen_99:
(2, 57852), (Start: 4 @57636 has 3 MA's), (Start: 5 @57615 has 7 MA's), (6, 57603), (7, 57540), (8, 57522), (9, 57417), (10, 57315), (11, 57300), (13, 57243), (14, 57240),

Gene: Marcie_101 Start: 57896, Stop: 57417, Start Num: 5
Candidate Starts for Marcie_101:
(Start: 4 @57917 has 3 MA's), (Start: 5 @57896 has 7 MA's), (6, 57884), (8, 57803), (9, 57698), (10, 57602), (14, 57527),

Gene: Pepe25_93 Start: 55951, Stop: 55457, Start Num: 4
Candidate Starts for Pepe25_93:
(1, 56206), (2, 56167), (3, 56149), (Start: 4 @55951 has 3 MA's), (Start: 5 @55930 has 7 MA's), (7, 55855), (10, 55642), (11, 55627), (12, 55588), (14, 55567),

Gene: RobinRose_99 Start: 57768, Stop: 57283, Start Num: 5
Candidate Starts for RobinRose_99:
(1, 58044), (2, 58005), (Start: 4 @57789 has 3 MA's), (Start: 5 @57768 has 7 MA's), (6, 57756), (7, 57693), (8, 57675), (9, 57570), (10, 57468), (11, 57453), (13, 57396), (14, 57393),

Gene: Romm_99 Start: 57753, Stop: 57280, Start Num: 6
Candidate Starts for Romm_99:
(1, 58041), (2, 58002), (Start: 4 @57786 has 3 MA's), (Start: 5 @57765 has 7 MA's), (6, 57753), (7, 57690), (8, 57672), (9, 57567), (10, 57465), (11, 57450), (13, 57393), (14, 57390),

Gene: Tempo_98 Start: 57805, Stop: 57320, Start Num: 5
Candidate Starts for Tempo_98:
(2, 58042), (Start: 4 @57826 has 3 MA's), (Start: 5 @57805 has 7 MA's), (6, 57793), (8, 57712), (9, 57607), (10, 57505), (11, 57490), (13, 57433), (14, 57430),

Gene: Wilca_95 Start: 57032, Stop: 56538, Start Num: 4
Candidate Starts for Wilca_95:
(1, 57287), (2, 57248), (3, 57230), (Start: 4 @57032 has 3 MA's), (Start: 5 @57011 has 7 MA's), (7, 56936), (10, 56723), (11, 56708), (12, 56669), (14, 56648),