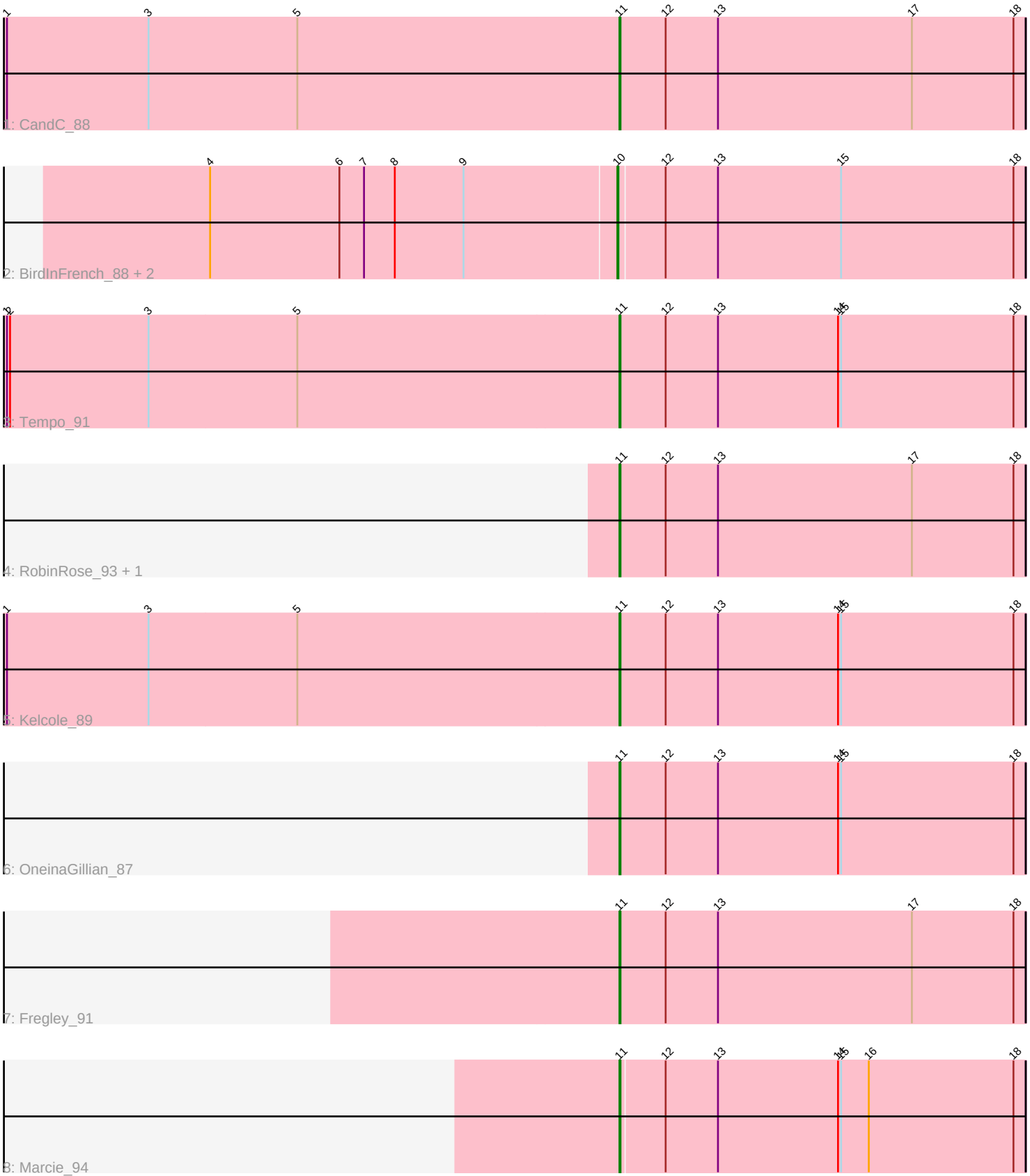
Pham 87683


1: CandC_88
2: BirdInFrench_88 + 2
3: Tempo_91
4: RobinRose_93 + 1
5: Kelcole_89
6: OneinaGillian_87
7: Fregley_91
8: Marcie_94

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 87683 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87683 has 11 members, 3 are drafts.

Phages represented in each track:
• Track 1 : CandC_88
• Track 2 : BirdInFrench_88, Pepe25_86, Wilca_88
• Track 3 : Tempo_91
• Track 4 : RobinRose_93, Romm_93
• Track 5 : Kelcole_89
• Track 6 : OneinaGillian_87
• Track 7 : Fregley_91
• Track 8 : Marcie_94

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

The start number called the most often in the published annotations is 11, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CandC_88, Fregley_91, Kelcole_89, Marcie_94, OneinaGillian_87, RobinRose_93, Romm_93, Tempo_91,

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

Genes that do not have the "Most Annotated" start:
• BirdInFrench_88, Pepe25_86, Wilca_88,

Summary by start number:

Start 10:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdInFrench_88 (EG), Pepe25_86 (EG), Wilca_88 (EG),

Start 11:

• Found in 8 of 11 (72.7%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CandC_88 (EG), Fregley_91 (EG), Kelcole_89 (EG), Marcie_94 (EG), OneinaGillian_87 (EG), RobinRose_93 (EG), Romm_93 (EG), Tempo_91 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 10 was manually annotated 1 time for cluster EG.
•Start number 11 was manually annotated 7 times for cluster EG.

Gene Information:

Gene: BirdInFrench_88 Start: 54357, Stop: 53965, Start Num: 10
Candidate Starts for BirdInFrench_88:
(4, 54750), (6, 54624), (7, 54600), (8, 54570), (9, 54504), (Start: 10 @54357 has 1 MA's), (12, 54315), (13, 54264), (15, 54144), (18, 53976),

Gene: CandC_88 Start: 54338, Stop: 53943, Start Num: 11
Candidate Starts for CandC_88:
(1, 54932), (3, 54794), (5, 54650), (Start: 11 @54338 has 7 MA's), (12, 54293), (13, 54242), (17, 54053), (18, 53954),

Gene: Fregley_91 Start: 54687, Stop: 54292, Start Num: 11
Candidate Starts for Fregley_91:
(Start: 11 @54687 has 7 MA's), (12, 54642), (13, 54591), (17, 54402), (18, 54303),

Gene: Kelcole_89 Start: 54910, Stop: 54515, Start Num: 11
Candidate Starts for Kelcole_89:
(1, 55504), (3, 55366), (5, 55222), (Start: 11 @54910 has 7 MA's), (12, 54865), (13, 54814), (14, 54697), (15, 54694), (18, 54526),

Gene: Marcie_94 Start: 55224, Stop: 54832, Start Num: 11
Candidate Starts for Marcie_94:
(Start: 11 @55224 has 7 MA's), (12, 55182), (13, 55131), (14, 55014), (15, 55011), (16, 54984), (18, 54843),

Gene: OneinaGillian_87 Start: 53896, Stop: 53501, Start Num: 11
Candidate Starts for OneinaGillian_87:
(Start: 11 @53896 has 7 MA's), (12, 53851), (13, 53800), (14, 53683), (15, 53680), (18, 53512),

Gene: Pepe25_86 Start: 53276, Stop: 52884, Start Num: 10
Candidate Starts for Pepe25_86:
(4, 53669), (6, 53543), (7, 53519), (8, 53489), (9, 53423), (Start: 10 @53276 has 1 MA's), (12, 53234), (13, 53183), (15, 53063), (18, 52895),

Gene: RobinRose_93 Start: 55339, Stop: 54944, Start Num: 11

Candidate Starts for RobinRose_93:
(Start: 11 @55339 has 7 MA's), (12, 55294), (13, 55243), (17, 55054), (18, 54955),

Gene: Romm_93 Start: 55336, Stop: 54941, Start Num: 11
Candidate Starts for Romm_93:
(Start: 11 @55336 has 7 MA's), (12, 55291), (13, 55240), (17, 55051), (18, 54952),

Gene: Tempo_91 Start: 55019, Stop: 54624, Start Num: 11
Candidate Starts for Tempo_91:
(1, 55613), (2, 55610), (3, 55475), (5, 55331), (Start: 11 @55019 has 7 MA's), (12, 54974), (13, 54923), (14, 54806), (15, 54803), (18, 54635),

Gene: Wilca_88 Start: 54357, Stop: 53965, Start Num: 10
Candidate Starts for Wilca_88:
(4, 54750), (6, 54624), (7, 54600), (8, 54570), (9, 54504), (Start: 10 @54357 has 1 MA's), (12, 54315), (13, 54264), (15, 54144), (18, 53976),