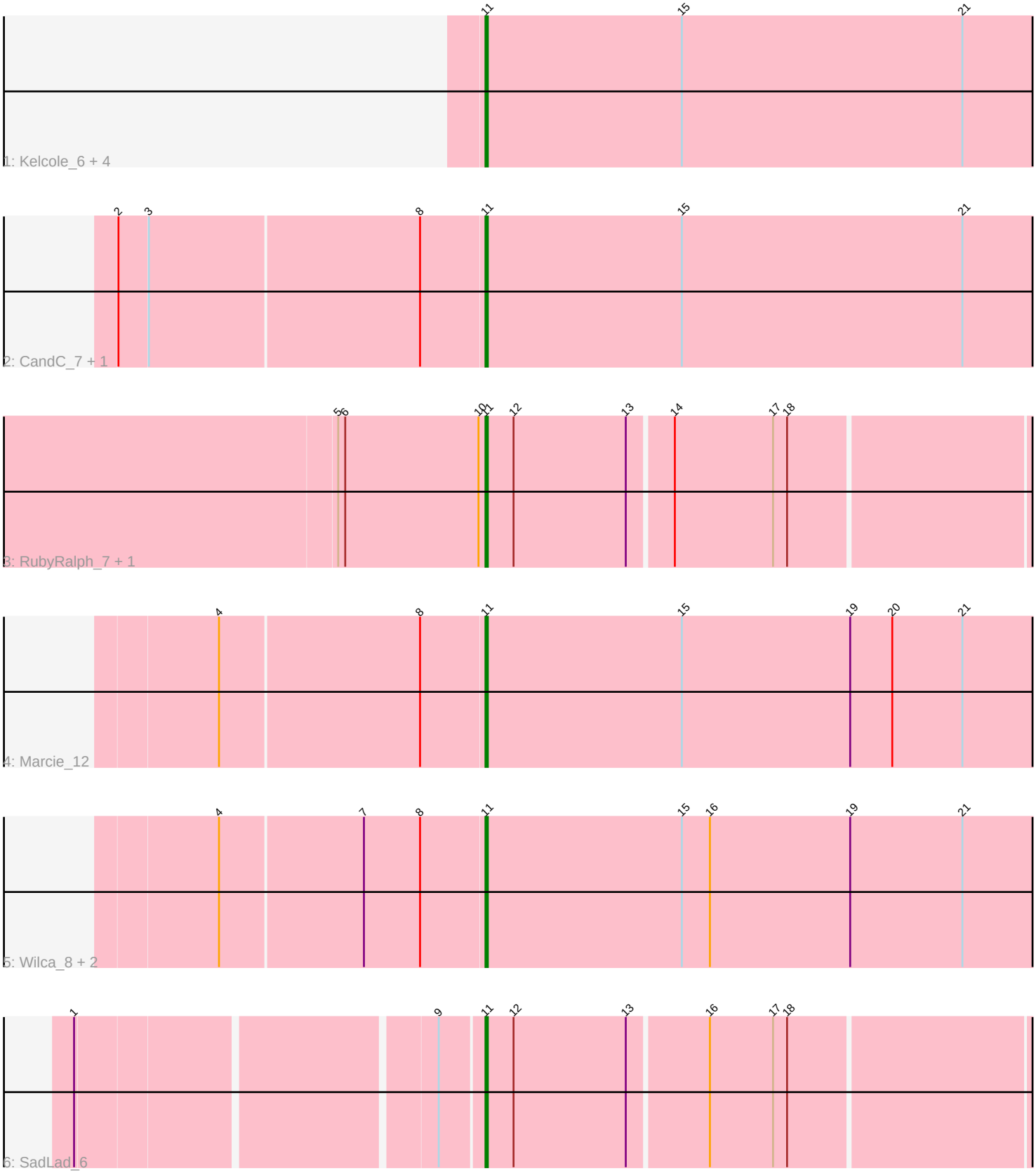
# Pham 193004


11
15
21
1: Kelcole_6 + 4
2
3
8
11
15
21
2: CandC_7 + 1
5
6
10
11
12
13
14
17
18
3: RubyRalph_7 + 1
4
8
11
15
19
20
21
4: Marcie_12
4
7
8
11
15
16
19
21
5: Wilca_8 + 2
1
9
11
12
13
16
17
18
6: SadLad_6

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 193004 Report

This analysis was run 11/02/24 on database version 579.

Pham number 193004 has 14 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Kelcole_6, OneinaGillian_7, Tempo_7, Romm_8, RobinRose_8
• Track 2 : CandC_7, Fregley_9
• Track 3 : RubyRalph_7, Fransoyer_7
• Track 4 : Marcie_12
• Track 5 : Wilca_8, Pepe25_7, BirdInFrench_8
• Track 6 : SadLad_6

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

Genes that call this "Most Annotated" start:
• BirdInFrench_8, CandC_7, Fransoyer_7, Fregley_9, Kelcole_6, Marcie_12, OneinaGillian_7, Pepe25_7, RobinRose_8, Romm_8, RubyRalph_7, SadLad_6, Tempo_7, Wilca_8,

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 11:
• Found in 14 of 14 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdInFrench_8 (EG), CandC_7 (EG), Fransoyer_7 (EG), Fregley_9 (EG), Kelcole_6 (EG), Marcie_12 (EG), OneinaGillian_7 (EG), Pepe25_7 (EG), RobinRose_8 (EG), Romm_8 (EG), RubyRalph_7 (EG), SadLad_6 (EG), Tempo_7 (EG), Wilca_8 (EG),

**Summary by clusters:**

There is one cluster represented in this pham: EG

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

***Gene Information:***

Gene: BirdInFrench_8 Start: 2337, Stop: 2095, Start Num: 11
Candidate Starts for BirdInFrench_8:
(4, 2448), (7, 2388), (8, 2364), (Start: 11 @2337 has 11 MA's), (15, 2253), (16, 2241), (19, 2181), (21, 2133),

Gene: CandC_7 Start: 2104, Stop: 1862, Start Num: 11
Candidate Starts for CandC_7:
(2, 2257), (3, 2245), (8, 2131), (Start: 11 @2104 has 11 MA's), (15, 2020), (21, 1900),

Gene: Fransoyer_7 Start: 2353, Stop: 2120, Start Num: 11
Candidate Starts for Fransoyer_7:
(5, 2416), (6, 2413), (10, 2356), (Start: 11 @2353 has 11 MA's), (12, 2341), (13, 2293), (14, 2275), (17, 2233), (18, 2227),

Gene: Fregley_9 Start: 2642, Stop: 2400, Start Num: 11
Candidate Starts for Fregley_9:
(2, 2795), (3, 2783), (8, 2669), (Start: 11 @2642 has 11 MA's), (15, 2558), (21, 2438),

Gene: Kelcole_6 Start: 2251, Stop: 2009, Start Num: 11
Candidate Starts for Kelcole_6:
(Start: 11 @2251 has 11 MA's), (15, 2167), (21, 2047),

Gene: Marcie_12 Start: 2904, Stop: 2662, Start Num: 11
Candidate Starts for Marcie_12:
(4, 3015), (8, 2931), (Start: 11 @2904 has 11 MA's), (15, 2820), (19, 2748), (20, 2730), (21, 2700),

Gene: OneinaGillian_7 Start: 1891, Stop: 1649, Start Num: 11
Candidate Starts for OneinaGillian_7:
(Start: 11 @1891 has 11 MA's), (15, 1807), (21, 1687),

Gene: Pepe25_7 Start: 2337, Stop: 2095, Start Num: 11
Candidate Starts for Pepe25_7:
(4, 2448), (7, 2388), (8, 2364), (Start: 11 @2337 has 11 MA's), (15, 2253), (16, 2241), (19, 2181), (21, 2133),

Gene: RobinRose_8 Start: 2080, Stop: 1838, Start Num: 11
Candidate Starts for RobinRose_8:
(Start: 11 @2080 has 11 MA's), (15, 1996), (21, 1876),

Gene: Romm_8 Start: 2080, Stop: 1838, Start Num: 11
Candidate Starts for Romm_8:
(Start: 11 @2080 has 11 MA's), (15, 1996), (21, 1876),

Gene: RubyRalph_7 Start: 2353, Stop: 2120, Start Num: 11
Candidate Starts for RubyRalph_7:
(5, 2416), (6, 2413), (10, 2356), (Start: 11 @2353 has 11 MA's), (12, 2341), (13, 2293), (14, 2275), (17, 2233), (18, 2227),

Gene: SadLad_6 Start: 2142, Stop: 1909, Start Num: 11
Candidate Starts for SadLad_6:
(1, 2304), (9, 2160), (Start: 11 @2142 has 11 MA's), (12, 2130), (13, 2082), (16, 2049), (17, 2022), (18, 2016),

Gene: Tempo_7 Start: 2272, Stop: 2030, Start Num: 11
Candidate Starts for Tempo_7:
(Start: 11 @2272 has 11 MA's), (15, 2188), (21, 2068),

Gene: Wilca_8 Start: 2337, Stop: 2095, Start Num: 11
Candidate Starts for Wilca_8:
(4, 2448), (7, 2388), (8, 2364), (Start: 11 @2337 has 11 MA's), (15, 2253), (16, 2241), (19, 2181), (21, 2133),