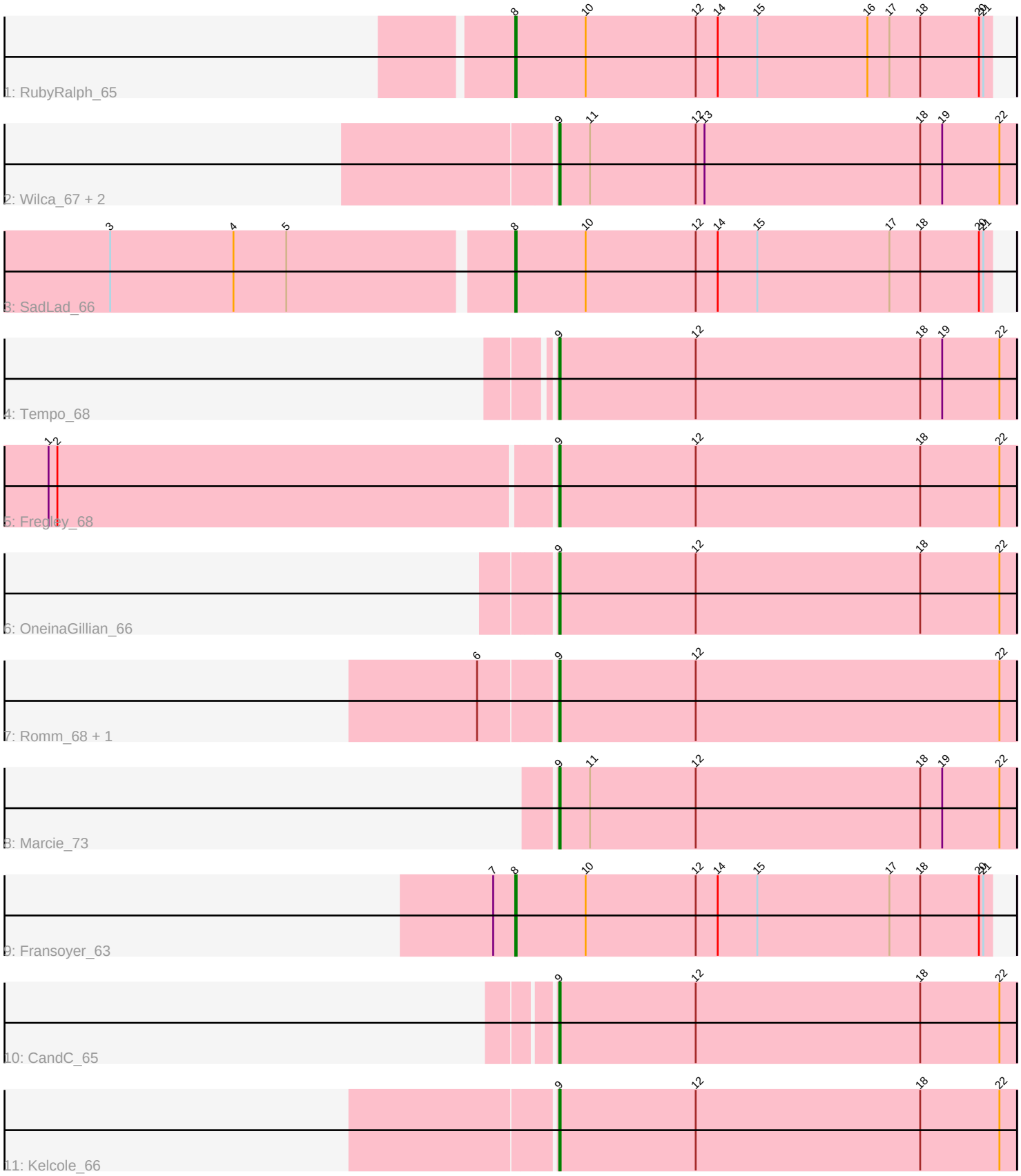
Pham 5504


8 10 12 14 15 16 17 18 20 21
1: RubyRalph_65
9 11 12 13 18 19 22
2: Wilca_67 + 2
3 4 5 8 10 12 14 15 17 18 20 21
3: SadLad_66
9 12 18 19 22
4: Tempo_68
1 2 9 12 18 22
5: Fregley_68
9 12 18 22
6: OneinaGillian_66
6 9 12 22
7: Romm_68 + 1
9 11 12 18 19 22
8: Marcie_73
7 8 10 12 14 15 17 18 20 21
9: Fransoyer_63
9 12 18 22
10: CandC_65
9 12 18 22
11: Kelcole_66

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 5504 Report

This analysis was run 04/28/24 on database version 559.

Pham number 5504 has 14 members, 3 are drafts.

Phages represented in each track:
• Track 1 : RubyRalph_65
• Track 2 : Wilca_67, Pepe25_65, BirdInFrench_67
• Track 3 : SadLad_66
• Track 4 : Tempo_68
• Track 5 : Fregley_68
• Track 6 : OneinaGillian_66
• Track 7 : Romm_68, RobinRose_68
• Track 8 : Marcie_73
• Track 9 : Fransoyer_63
• Track 10 : CandC_65
• Track 11 : Kelcole_66

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

The start number called the most often in the published annotations is 9, it was called in 8 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BirdInFrench_67, CandC_65, Fregley_68, Kelcole_66, Marcie_73, OneinaGillian_66, Pepe25_65, RobinRose_68, Romm_68, Tempo_68, Wilca_67,

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

Genes that do not have the "Most Annotated" start:
• Fransoyer_63, RubyRalph_65, SadLad_66,

Summary by start number:

Start 8:
• Found in 3 of 14 (21.4%) of genes in pham
• Manual Annotations of this start: 3 of 11
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Fransoyer_63 (EG), RubyRalph_65 (EG), SadLad_66 (EG),

Start 9:
• Found in 11 of 14 (78.6%) of genes in pham
• Manual Annotations of this start: 8 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdInFrench_67 (EG), CandC_65 (EG), Fregley_68 (EG), Kelcole_66 (EG), Marcie_73 (EG), OneinaGillian_66 (EG), Pepe25_65 (EG), RobinRose_68 (EG), Romm_68 (EG), Tempo_68 (EG), Wilca_67 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 8 was manually annotated 3 times for cluster EG.
•Start number 9 was manually annotated 8 times for cluster EG.

Gene Information:

Gene: BirdInFrench_67 Start: 44528, Stop: 44217, Start Num: 9
Candidate Starts for BirdInFrench_67:
(Start: 9 @44528 has 8 MA's), (11, 44507), (12, 44435), (13, 44429), (18, 44282), (19, 44267), (22, 44228),

Gene: CandC_65 Start: 43763, Stop: 43452, Start Num: 9
Candidate Starts for CandC_65:
(Start: 9 @43763 has 8 MA's), (12, 43670), (18, 43517), (22, 43463),

Gene: Fransoyer_63 Start: 46100, Stop: 45777, Start Num: 8
Candidate Starts for Fransoyer_63:
(7, 46115), (Start: 8 @46100 has 3 MA's), (10, 46052), (12, 45977), (14, 45962), (15, 45935), (17, 45845), (18, 45824), (20, 45785), (21, 45782),

Gene: Fregley_68 Start: 44115, Stop: 43804, Start Num: 9
Candidate Starts for Fregley_68:
(1, 44451), (2, 44445), (Start: 9 @44115 has 8 MA's), (12, 44022), (18, 43869), (22, 43815),

Gene: Kelcole_66 Start: 44177, Stop: 43866, Start Num: 9
Candidate Starts for Kelcole_66:
(Start: 9 @44177 has 8 MA's), (12, 44084), (18, 43931), (22, 43877),

Gene: Marcie_73 Start: 45070, Stop: 44759, Start Num: 9
Candidate Starts for Marcie_73:
(Start: 9 @45070 has 8 MA's), (11, 45049), (12, 44977), (18, 44824), (19, 44809), (22, 44770),

Gene: OneinaGillian_66 Start: 43888, Stop: 43577, Start Num: 9
Candidate Starts for OneinaGillian_66:
(Start: 9 @43888 has 8 MA's), (12, 43795), (18, 43642), (22, 43588),

Gene: Pepe25_65 Start: 43447, Stop: 43136, Start Num: 9
Candidate Starts for Pepe25_65:
(Start: 9 @43447 has 8 MA's), (11, 43426), (12, 43354), (13, 43348), (18, 43201), (19, 43186), (22, 43147),

Gene: RobinRose_68 Start: 44394, Stop: 44083, Start Num: 9
Candidate Starts for RobinRose_68:
(6, 44442), (Start: 9 @44394 has 8 MA's), (12, 44301), (22, 44094),

Gene: Romm_68 Start: 44391, Stop: 44080, Start Num: 9
Candidate Starts for Romm_68:
(6, 44439), (Start: 9 @44391 has 8 MA's), (12, 44298), (22, 44091),

Gene: RubyRalph_65 Start: 46356, Stop: 46033, Start Num: 8
Candidate Starts for RubyRalph_65:
(Start: 8 @46356 has 3 MA's), (10, 46308), (12, 46233), (14, 46218), (15, 46191), (16, 46116), (17, 46101), (18, 46080), (20, 46041), (21, 46038),

Gene: SadLad_66 Start: 47220, Stop: 46897, Start Num: 8
Candidate Starts for SadLad_66:
(3, 47487), (4, 47403), (5, 47367), (Start: 8 @47220 has 3 MA's), (10, 47172), (12, 47097), (14, 47082), (15, 47055), (17, 46965), (18, 46944), (20, 46905), (21, 46902),

Gene: Tempo_68 Start: 44459, Stop: 44148, Start Num: 9
Candidate Starts for Tempo_68:
(Start: 9 @44459 has 8 MA's), (12, 44366), (18, 44213), (19, 44198), (22, 44159),

Gene: Wilca_67 Start: 44528, Stop: 44217, Start Num: 9
Candidate Starts for Wilca_67:
(Start: 9 @44528 has 8 MA's), (11, 44507), (12, 44435), (13, 44429), (18, 44282), (19, 44267), (22, 44228),