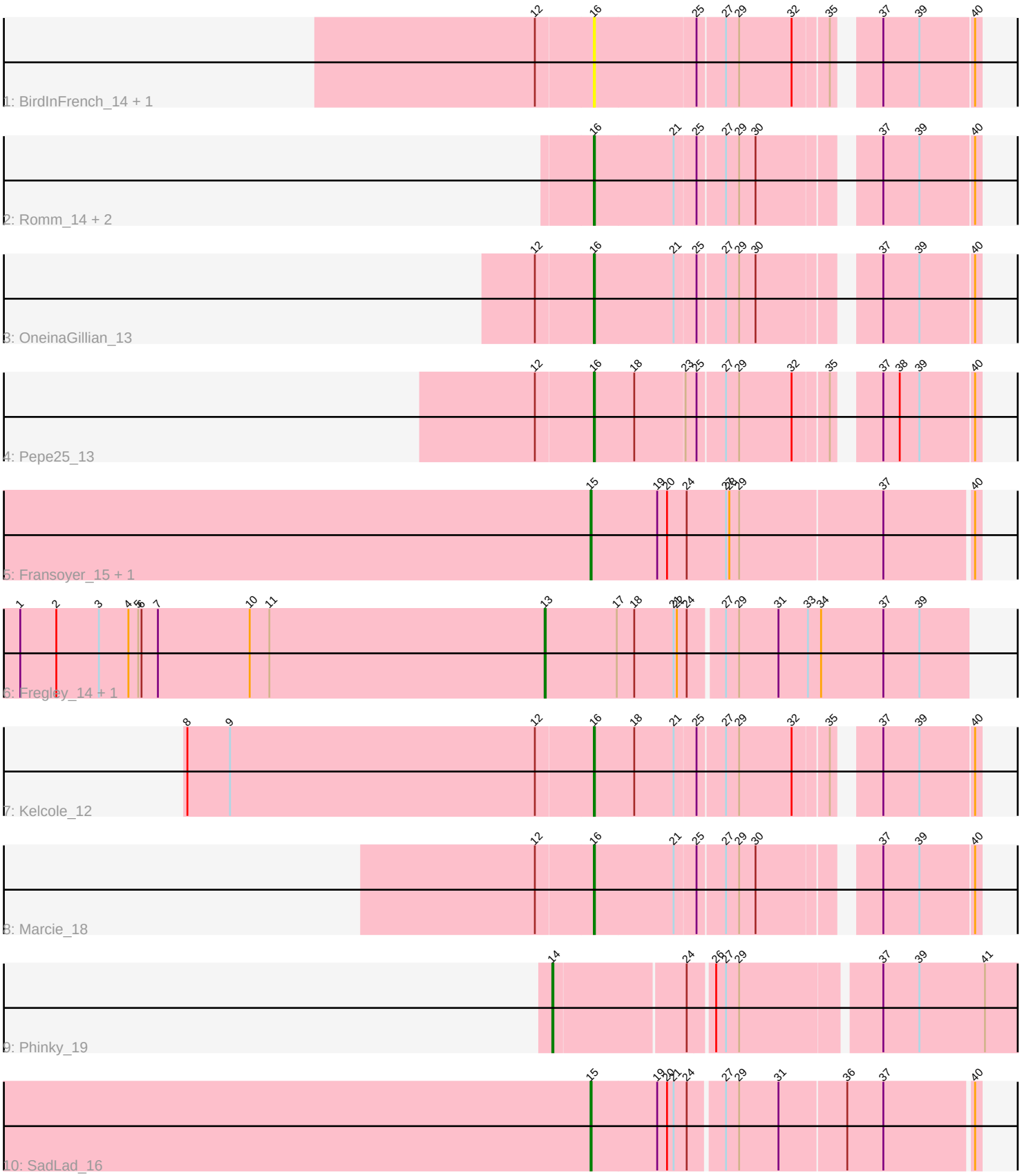
Pham 5298


12 16 25 27 29 32 35 37 39 40
1: BirdInFrench_14 + 1
16 21 25 27 29 30 37 39 40
2: Romm_14 + 2
12 16 21 25 27 29 30 37 39 40
3: OneinaGillian_13
12 16 18 23 25 27 29 32 35 37 38 39 40
4: Pepe25_13
15 19 20 24 28 29 37 40
5: Fransoyer_15 + 1
1 2 3 4 5 6 7 10 11 13 17 18 22 23 24 27 29 31 33 34 37 39
6: Fregley_14 + 1
8 9 12 16 18 21 25 27 29 32 35 37 39 40
7: Kelcole_12
12 16 21 25 27 29 30 37 39 40
8: Marcie_18
14 24 26 27 29 37 39 41
9: Phinky_19
15 19 20 21 24 27 29 31 36 37 40
10: SadLad_16

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 5298 Report

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

Pham number 5298 has 15 members, 3 are drafts.

Phages represented in each track:
• Track 1 : BirdInFrench_14, Wilca_14
• Track 2 : Romm_14, RobinRose_14, Tempo_13
• Track 3 : OneinaGillian_13
• Track 4 : Pepe25_13
• Track 5 : Fransoyer_15, RubyRalph_15
• Track 6 : Fregley_14, CandC_12
• Track 7 : Kelcole_12
• Track 8 : Marcie_18
• Track 9 : Phinky_19
• Track 10 : SadLad_16

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

The start number called the most often in the published annotations is 16, it was called in 6 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BirdInFrench_14, Kelcole_12, Marcie_18, OneinaGillian_13, Pepe25_13, RobinRose_14, Romm_14, Tempo_13, Wilca_14,

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

Genes that do not have the "Most Annotated" start:
• CandC_12, Fransoyer_15, Fregley_14, Phinky_19, RubyRalph_15, SadLad_16,

Summary by start number:

Start 13:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CandC_12 (EG), Fregley_14 (EG),

Start 14:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phinky_19 (EG),

Start 15:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 3 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fransoyer_15 (EG), RubyRalph_15 (EG), SadLad_16 (EG),

Start 16:
• Found in 9 of 15 (60.0%) of genes in pham
• Manual Annotations of this start: 6 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdInFrench_14 (EG), Kelcole_12 (EG), Marcie_18 (EG), OneinaGillian_13 (EG), Pepe25_13 (EG), RobinRose_14 (EG), Romm_14 (EG), Tempo_13 (EG), Wilca_14 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 13 was manually annotated 2 times for cluster EG.
•Start number 14 was manually annotated 1 time for cluster EG.
•Start number 15 was manually annotated 3 times for cluster EG.
•Start number 16 was manually annotated 6 times for cluster EG.

Gene Information:

Gene: BirdInFrench_14 Start: 3810, Stop: 4130, Start Num: 16
Candidate Starts for BirdInFrench_14:
(12, 3759), (Start: 16 @3810 has 6 MA's), (25, 3900), (27, 3924), (29, 3936), (32, 3984), (35, 4014), (37, 4044), (39, 4077), (40, 4125),

Gene: CandC_12 Start: 3247, Stop: 3627, Start Num: 13
Candidate Starts for CandC_12:
(1, 2767), (2, 2800), (3, 2839), (4, 2866), (5, 2875), (6, 2878), (7, 2893), (10, 2977), (11, 2995), (Start: 13 @3247 has 2 MA's), (17, 3313), (18, 3328), (21, 3364), (22, 3367), (24, 3376), (27, 3406), (29, 3418), (31, 3454), (33, 3481), (34, 3493), (37, 3550), (39, 3583),

Gene: Fransoyer_15 Start: 4571, Stop: 4918, Start Num: 15
Candidate Starts for Fransoyer_15:
(Start: 15 @4571 has 3 MA's), (19, 4631), (20, 4640), (24, 4658), (27, 4694), (28, 4697), (29, 4706), (37, 4835), (40, 4913),

Gene: Fregley_14 Start: 3785, Stop: 4165, Start Num: 13
Candidate Starts for Fregley_14:

(1, 3305), (2, 3338), (3, 3377), (4, 3404), (5, 3413), (6, 3416), (7, 3431), (10, 3515), (11, 3533), (Start: 13 @3785 has 2 MA's), (17, 3851), (18, 3866), (21, 3902), (22, 3905), (24, 3914), (27, 3944), (29, 3956), (31, 3992), (33, 4019), (34, 4031), (37, 4088), (39, 4121),

Gene: Kelcole_12 Start: 3708, Stop: 4028, Start Num: 16
Candidate Starts for Kelcole_12:
(8, 3339), (9, 3378), (12, 3657), (Start: 16 @3708 has 6 MA's), (18, 3744), (21, 3780), (25, 3798), (27, 3822), (29, 3834), (32, 3882), (35, 3912), (37, 3942), (39, 3975), (40, 4023),

Gene: Marcie_18 Start: 4410, Stop: 4730, Start Num: 16
Candidate Starts for Marcie_18:
(12, 4359), (Start: 16 @4410 has 6 MA's), (21, 4482), (25, 4500), (27, 4524), (29, 4536), (30, 4551), (37, 4644), (39, 4677), (40, 4725),

Gene: OneinaGillian_13 Start: 3384, Stop: 3704, Start Num: 16
Candidate Starts for OneinaGillian_13:
(12, 3333), (Start: 16 @3384 has 6 MA's), (21, 3456), (25, 3474), (27, 3498), (29, 3510), (30, 3525), (37, 3618), (39, 3651), (40, 3699),

Gene: Pepe25_13 Start: 3810, Stop: 4130, Start Num: 16
Candidate Starts for Pepe25_13:
(12, 3759), (Start: 16 @3810 has 6 MA's), (18, 3846), (23, 3891), (25, 3900), (27, 3924), (29, 3936), (32, 3984), (35, 4014), (37, 4044), (38, 4059), (39, 4077), (40, 4125),

Gene: Phinky_19 Start: 5065, Stop: 5475, Start Num: 14
Candidate Starts for Phinky_19:
(Start: 14 @5065 has 1 MA's), (24, 5182), (26, 5203), (27, 5212), (29, 5224), (37, 5344), (39, 5377), (41, 5437),

Gene: RobinRose_14 Start: 3537, Stop: 3857, Start Num: 16
Candidate Starts for RobinRose_14:
(Start: 16 @3537 has 6 MA's), (21, 3609), (25, 3627), (27, 3651), (29, 3663), (30, 3678), (37, 3771), (39, 3804), (40, 3852),

Gene: Romm_14 Start: 3537, Stop: 3857, Start Num: 16
Candidate Starts for Romm_14:
(Start: 16 @3537 has 6 MA's), (21, 3609), (25, 3627), (27, 3651), (29, 3663), (30, 3678), (37, 3771), (39, 3804), (40, 3852),

Gene: RubyRalph_15 Start: 4505, Stop: 4852, Start Num: 15
Candidate Starts for RubyRalph_15:
(Start: 15 @4505 has 3 MA's), (19, 4565), (20, 4574), (24, 4592), (27, 4628), (28, 4631), (29, 4640), (37, 4769), (40, 4847),

Gene: SadLad_16 Start: 4968, Stop: 5309, Start Num: 15
Candidate Starts for SadLad_16:
(Start: 15 @4968 has 3 MA's), (19, 5028), (20, 5037), (21, 5043), (24, 5055), (27, 5085), (29, 5097), (31, 5133), (36, 5193), (37, 5226), (40, 5304),

Gene: Tempo_13 Start: 3732, Stop: 4052, Start Num: 16
Candidate Starts for Tempo_13:
(Start: 16 @3732 has 6 MA's), (21, 3804), (25, 3822), (27, 3846), (29, 3858), (30, 3873), (37, 3966), (39, 3999), (40, 4047),

Gene: Wilca_14 Start: 3810, Stop: 4130, Start Num: 16
Candidate Starts for Wilca_14:
(12, 3759), (Start: 16 @3810 has 6 MA's), (25, 3900), (27, 3924), (29, 3936), (32, 3984), (35, 4014), (37, 4044), (39, 4077), (40, 4125),