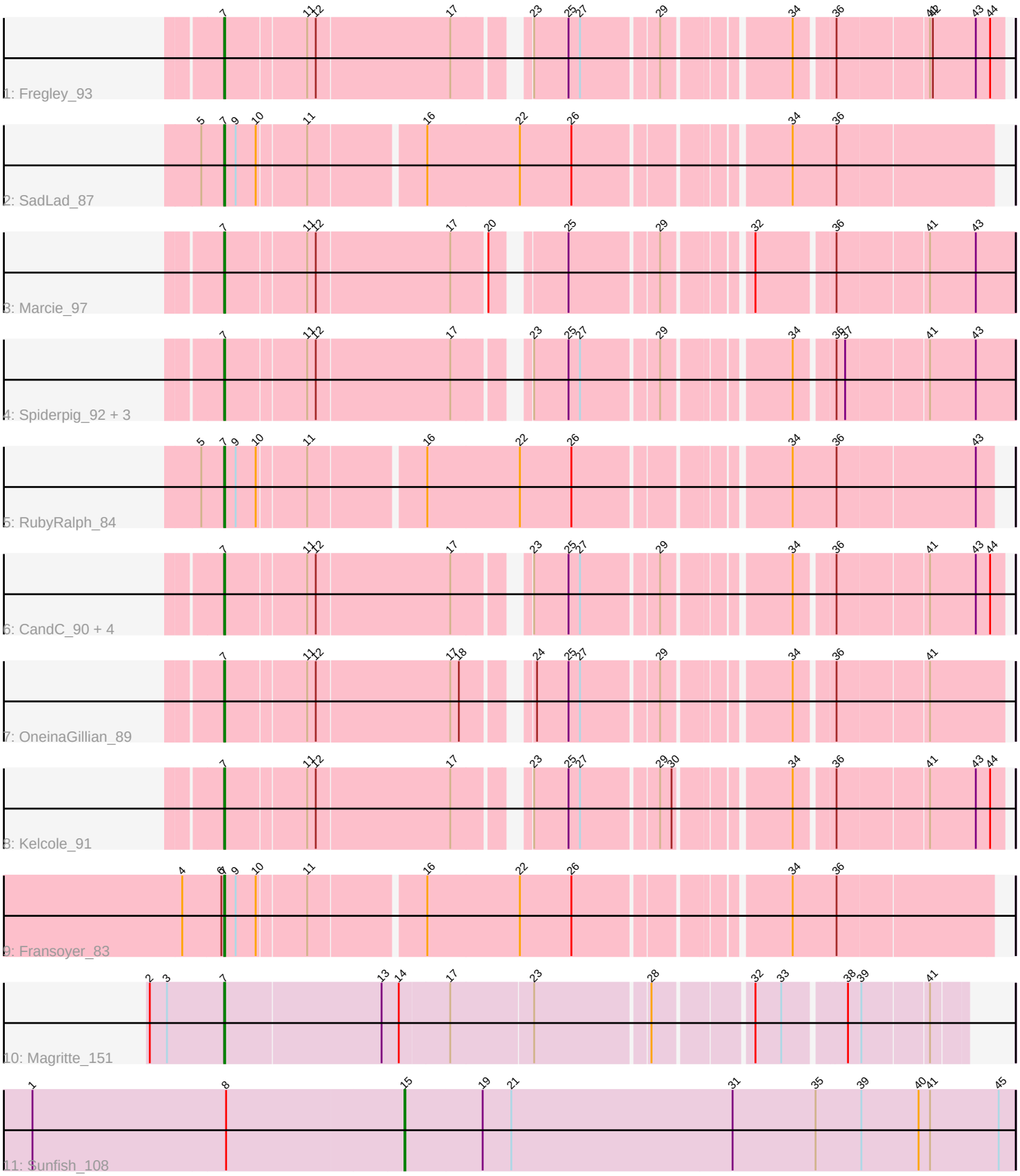
Pham 335347


1: Fregley_93
2: SadLad_87
3: Marcie_97
4: Spiderpig_92 + 3
5: RubyRalph_84
6: CandC_90 + 4
7: OneinaGillian_89
8: Kelcole_91
9: Fransoyer_83
10: Magritte_151
11: Sunfish_108

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 335347 Report

This analysis was run 11/14/26 on database version 672.

Pham number 335347 has 18 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Fregley_93
• Track 2 : SadLad_87
• Track 3 : Marcie_97
• Track 4 : Spiderpig_92, Pepe25_89, BirdInFrench_91, Wilca_91
• Track 5 : RubyRalph_84
• Track 6 : CandC_90, RobinRose_94, Romm_94, Tempo_93, KillerQueen_94
• Track 7 : OneinaGillian_89
• Track 8 : Kelcole_91
• Track 9 : Fransoyer_83
• Track 10 : Magritte_151
• Track 11 : Sunfish_108

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

The start number called the most often in the published annotations is 7, it was called in 15 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BirdInFrench_91, CandC_90, Fransoyer_83, Fregley_93, Kelcole_91, KillerQueen_94, Magritte_151, Marcie_97, OneinaGillian_89, Pepe25_89, RobinRose_94, Romm_94, RubyRalph_84, SadLad_87, Spiderpig_92, Tempo_93, Wilca_91,

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

Genes that do not have the "Most Annotated" start:
• Sunfish_108,

Summary by start number:

Start 7:
• Found in 17 of 18 (94.4%) of genes in pham
• Manual Annotations of this start: 15 of 16

• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdInFrench_91 (EG), CandC_90 (EG), Fransoyer_83 (EG), Fregley_93 (EG), Kelcole_91 (EG), KillerQueen_94 (EG), Magritte_151 (singleton), Marcie_97 (EG), OneinaGillian_89 (EG), Pepe25_89 (EG), RobinRose_94 (EG), Romm_94 (EG), RubyRalph_84 (EG), SadLad_87 (EG), Spiderpig_92 (EG), Tempo_93 (EG), Wilca_91 (EG),

Start 15:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sunfish_108 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: EG, singleton,

Info for manual annotations of cluster EG:
•Start number 7 was manually annotated 14 times for cluster EG.

Gene Information:

Gene: BirdInFrench_91 Start: 55650, Stop: 54913, Start Num: 7
Candidate Starts for BirdInFrench_91:
(Start: 7 @55650 has 15 MA's), (11, 55569), (12, 55560), (17, 55422), (23, 55365), (25, 55329), (27, 55317), (29, 55242), (34, 55128), (36, 55092), (37, 55083), (41, 55002), (43, 54954),

Gene: CandC_90 Start: 55458, Stop: 54733, Start Num: 7
Candidate Starts for CandC_90:
(Start: 7 @55458 has 15 MA's), (11, 55377), (12, 55368), (17, 55230), (23, 55173), (25, 55137), (27, 55125), (29, 55050), (34, 54936), (36, 54900), (41, 54810), (43, 54762), (44, 54747),

Gene: Fransoyer_83 Start: 54371, Stop: 53625, Start Num: 7
Candidate Starts for Fransoyer_83:
(4, 54413), (6, 54374), (Start: 7 @54371 has 15 MA's), (9, 54359), (10, 54338), (11, 54290), (16, 54176), (22, 54080), (26, 54026), (34, 53828), (36, 53783),

Gene: Fregley_93 Start: 55807, Stop: 55082, Start Num: 7
Candidate Starts for Fregley_93:
(Start: 7 @55807 has 15 MA's), (11, 55726), (12, 55717), (17, 55579), (23, 55522), (25, 55486), (27, 55474), (29, 55399), (34, 55285), (36, 55249), (41, 55159), (42, 55156), (43, 55111), (44, 55096),

Gene: Kelcole_91 Start: 56030, Stop: 55305, Start Num: 7
Candidate Starts for Kelcole_91:
(Start: 7 @56030 has 15 MA's), (11, 55949), (12, 55940), (17, 55802), (23, 55745), (25, 55709), (27, 55697), (29, 55622), (30, 55610), (34, 55508), (36, 55472), (41, 55382), (43, 55334), (44, 55319),

Gene: KillerQueen_94 Start: 55949, Stop: 55224, Start Num: 7
Candidate Starts for KillerQueen_94:
(Start: 7 @55949 has 15 MA's), (11, 55868), (12, 55859), (17, 55721), (23, 55664), (25, 55628), (27, 55616), (29, 55541), (34, 55427), (36, 55391), (41, 55301), (43, 55253), (44, 55238),

Gene: Magritte_151 Start: 92243, Stop: 92965, Start Num: 7
Candidate Starts for Magritte_151:
(2, 92165), (3, 92183), (Start: 7 @92243 has 15 MA's), (13, 92405), (14, 92423), (17, 92474), (23, 92558), (28, 92672), (32, 92765), (33, 92792), (38, 92852), (39, 92864), (41, 92930),

Gene: Marcie_97 Start: 56519, Stop: 55782, Start Num: 7
Candidate Starts for Marcie_97:
(Start: 7 @56519 has 15 MA's), (11, 56438), (12, 56429), (17, 56291), (20, 56258), (25, 56198), (29, 56111), (32, 56036), (36, 55961), (41, 55871), (43, 55823),

Gene: OneinaGillian_89 Start: 54938, Stop: 54213, Start Num: 7
Candidate Starts for OneinaGillian_89:
(Start: 7 @54938 has 15 MA's), (11, 54857), (12, 54848), (17, 54710), (18, 54701), (24, 54650), (25, 54617), (27, 54605), (29, 54530), (34, 54416), (36, 54380), (41, 54290),

Gene: Pepe25_89 Start: 54569, Stop: 53832, Start Num: 7
Candidate Starts for Pepe25_89:
(Start: 7 @54569 has 15 MA's), (11, 54488), (12, 54479), (17, 54341), (23, 54284), (25, 54248), (27, 54236), (29, 54161), (34, 54047), (36, 54011), (37, 54002), (41, 53921), (43, 53873),

Gene: RobinRose_94 Start: 56102, Stop: 55380, Start Num: 7
Candidate Starts for RobinRose_94:
(Start: 7 @56102 has 15 MA's), (11, 56021), (12, 56012), (17, 55874), (23, 55817), (25, 55781), (27, 55769), (29, 55694), (34, 55580), (36, 55544), (41, 55454), (43, 55409), (44, 55394),

Gene: Romm_94 Start: 56099, Stop: 55377, Start Num: 7
Candidate Starts for Romm_94:
(Start: 7 @56099 has 15 MA's), (11, 56018), (12, 56009), (17, 55871), (23, 55814), (25, 55778), (27, 55766), (29, 55691), (34, 55577), (36, 55541), (41, 55451), (43, 55406), (44, 55391),

Gene: RubyRalph_84 Start: 54205, Stop: 53459, Start Num: 7
Candidate Starts for RubyRalph_84:
(5, 54229), (Start: 7 @54205 has 15 MA's), (9, 54193), (10, 54172), (11, 54124), (16, 54010), (22, 53914), (26, 53860), (34, 53662), (36, 53617), (43, 53476),

Gene: SadLad_87 Start: 55628, Stop: 54882, Start Num: 7
Candidate Starts for SadLad_87:
(5, 55652), (Start: 7 @55628 has 15 MA's), (9, 55616), (10, 55595), (11, 55547), (16, 55433), (22, 55337), (26, 55283), (34, 55085), (36, 55040),

Gene: Spiderpig_92 Start: 55836, Stop: 55099, Start Num: 7
Candidate Starts for Spiderpig_92:
(Start: 7 @55836 has 15 MA's), (11, 55755), (12, 55746), (17, 55608), (23, 55551), (25, 55515), (27, 55503), (29, 55428), (34, 55314), (36, 55278), (37, 55269), (41, 55188), (43, 55140),

Gene: Sunfish_108 Start: 60795, Stop: 60157, Start Num: 15
Candidate Starts for Sunfish_108:
(1, 61179), (8, 60978), (Start: 15 @60795 has 1 MA's), (19, 60714), (21, 60684), (31, 60453), (35, 60366), (39, 60318), (40, 60258), (41, 60246), (45, 60174),

Gene: Tempo_93 Start: 56139, Stop: 55414, Start Num: 7
Candidate Starts for Tempo_93:

(Start: 7 @56139 has 15 MA's), (11, 56058), (12, 56049), (17, 55911), (23, 55854), (25, 55818), (27, 55806), (29, 55731), (34, 55617), (36, 55581), (41, 55491), (43, 55443), (44, 55428),

Gene: Wilca_91 Start: 55650, Stop: 54913, Start Num: 7
Candidate Starts for Wilca_91:
(Start: 7 @55650 has 15 MA's), (11, 55569), (12, 55560), (17, 55422), (23, 55365), (25, 55329), (27, 55317), (29, 55242), (34, 55128), (36, 55092), (37, 55083), (41, 55002), (43, 54954),