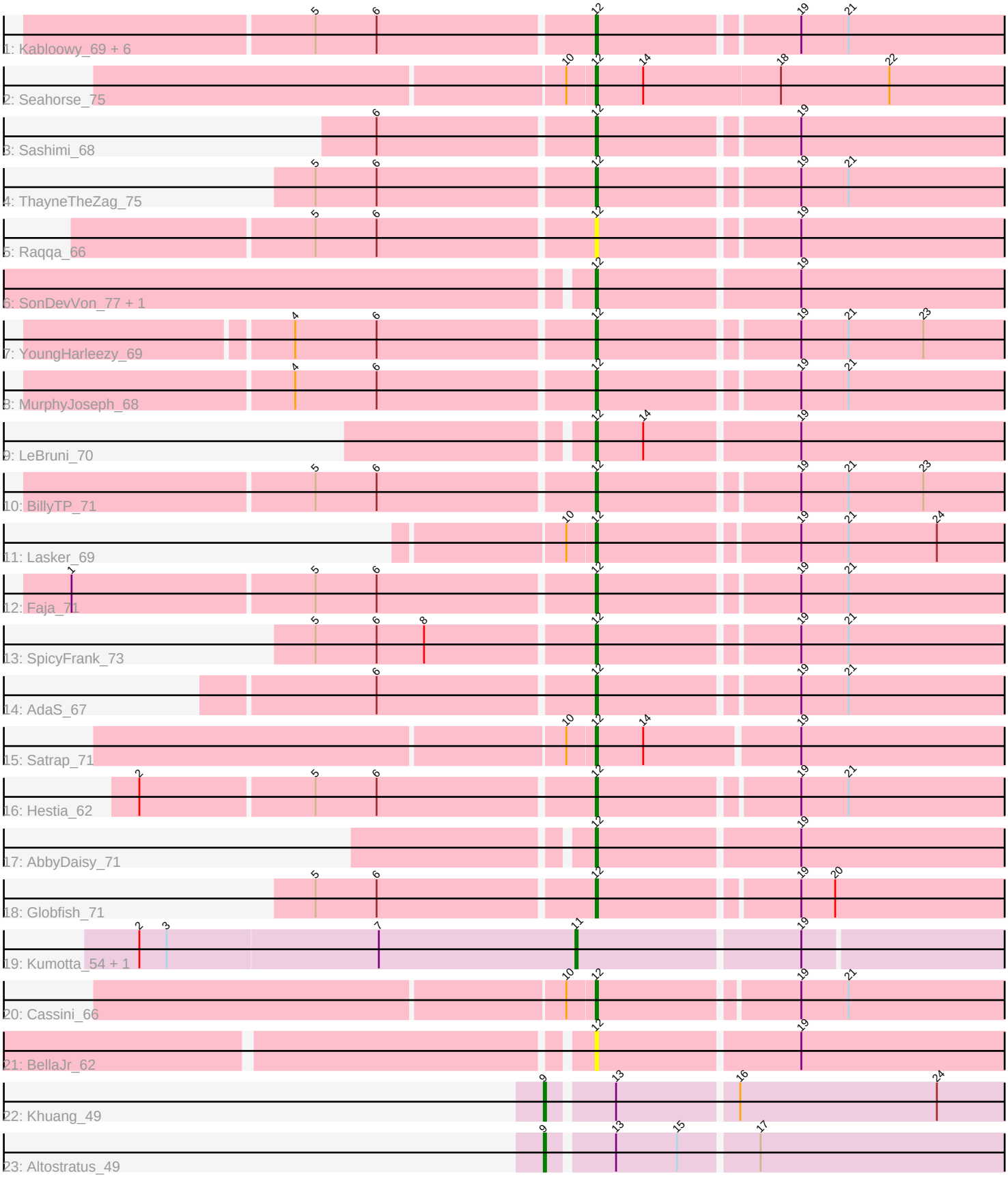
Pham 347896


1: Kabloowy_69 + 6
2: Seahorse_75
3: Sashimi_68
4: ThayneTheZag_75
5: Raqqa_66
6: SonDevVon_77 + 1
7: YoungHarleezy_69
8: MurphyJoseph_68
9: LeBruni_70
10: BillyTP_71
11: Lasker_69
12: Faja_71
13: SpicyFrank_73
14: AdaS_67
15: Satrap_71
16: Hestia_62
17: AbbyDaisy_71
18: Globfish_71
19: Kumotta_54 + 1
20: Cassini_66
21: BellaJr_62
22: Khuang_49
23: Altostratus_49

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 347896 Report

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

Pham number 347896 has 31 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Kabloowy_69, Raphaella_70, Windest_73, BenchScraper_70, Richie_73, Mapleville_65, Lawnathon_72
• Track 2 : Seahorse_75
• Track 3 : Sashimi_68
• Track 4 : ThayneTheZag_75
• Track 5 : Raqqa_66
• Track 6 : SonDevVon_77, Phrank15_73
• Track 7 : YoungHarleezy_69
• Track 8 : MurphyJoseph_68
• Track 9 : LeBruni_70
• Track 10 : BillyTP_71
• Track 11 : Lasker_69
• Track 12 : Faja_71
• Track 13 : SpicyFrank_73
• Track 14 : AdaS_67
• Track 15 : Satrap_71
• Track 16 : Hestia_62
• Track 17 : AbbyDaisy_71
• Track 18 : Globfish_71
• Track 19 : Kumotta_54, MargaretKali_50
• Track 20 : Cassini_66
• Track 21 : BellaJr_62
• Track 22 : Khuang_49
• Track 23 : Altostratus_49

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

The start number called the most often in the published annotations is 12, it was called in 24 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbyDaisy_71, AdaS_67, BellaJr_62, BenchScraper_70, BillyTP_71, Cassini_66, Faja_71, Globfish_71, Hestia_62, Kabloowy_69, Lasker_69, Lawnathon_72, LeBruni_70, Mapleville_65, MurphyJoseph_68, Phrank15_73, Raphaella_70,

Raqqa_66, Richie_73, Sashimi_68, Satrap_71, Seahorse_75, SonDevVon_77, SpicyFrank_73, ThayneTheZag_75, Windest_73, YoungHarleezy_69,

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

Genes that do not have the "Most Annotated" start:
• Altostratus_49, Khuang_49, Kumotta_54, MargaretKali_50,

Summary by start number:

Start 9:
• Found in 2 of 31 (6.5%) of genes in pham
• Manual Annotations of this start: 2 of 28
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altostratus_49 (FS), Khuang_49 (FS),

Start 11:
• Found in 2 of 31 (6.5%) of genes in pham
• Manual Annotations of this start: 2 of 28
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kumotta_54 (FB), MargaretKali_50 (FB),

Start 12:
• Found in 27 of 31 (87.1%) of genes in pham
• Manual Annotations of this start: 24 of 28
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_71 (AY), AdaS_67 (AY), BellaJr_62 (FN), BenchScraper_70 (AY), BillyTP_71 (AY), Cassini_66 (FN), Faja_71 (AY), Globfish_71 (AY), Hestia_62 (AY), Kabloowy_69 (AY), Lasker_69 (AY), Lawnathon_72 (AY), LeBruni_70 (AY), Mapleville_65 (AY), MurphyJoseph_68 (AY), Phrank15_73 (AY), Raphaella_70 (AY), Raqqa_66 (AY), Richie_73 (AY), Sashimi_68 (AY), Satrap_71 (AY), Seahorse_75 (AY), SonDevVon_77 (AY), SpicyFrank_73 (AY), ThayneTheZag_75 (AY), Windest_73 (AY), YoungHarleezy_69 (AY),

Summary by clusters:

There are 4 clusters represented in this pham: AY, FB, FS, FN,

Info for manual annotations of cluster AY:
•Start number 12 was manually annotated 23 times for cluster AY.

Info for manual annotations of cluster FB:
•Start number 11 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FN:
•Start number 12 was manually annotated 1 time for cluster FN.

Info for manual annotations of cluster FS:
•Start number 9 was manually annotated 2 times for cluster FS.

Gene Information:

Gene: AbbyDaisy_71 Start: 38196, Stop: 38375, Start Num: 12
Candidate Starts for AbbyDaisy_71:
(Start: 12 @38196 has 24 MA's), (19, 38283),

Gene: AdaS_67 Start: 35491, Stop: 35688, Start Num: 12
Candidate Starts for AdaS_67:
(6, 35398), (Start: 12 @35491 has 24 MA's), (19, 35575), (21, 35596),

Gene: Altostratus_49 Start: 29569, Stop: 29766, Start Num: 9
Candidate Starts for Altostratus_49:
(Start: 9 @29569 has 2 MA's), (13, 29596), (15, 29623), (17, 29656),

Gene: BellaJr_62 Start: 36280, Stop: 36459, Start Num: 12
Candidate Starts for BellaJr_62:
(Start: 12 @36280 has 24 MA's), (19, 36367),

Gene: BenchScraper_70 Start: 36878, Stop: 37075, Start Num: 12
Candidate Starts for BenchScraper_70:
(5, 36758), (6, 36785), (Start: 12 @36878 has 24 MA's), (19, 36962), (21, 36983),

Gene: BillyTP_71 Start: 38733, Stop: 38930, Start Num: 12
Candidate Starts for BillyTP_71:
(5, 38613), (6, 38640), (Start: 12 @38733 has 24 MA's), (19, 38817), (21, 38838), (23, 38871),

Gene: Cassini_66 Start: 36960, Stop: 37136, Start Num: 12
Candidate Starts for Cassini_66:
(10, 36948), (Start: 12 @36960 has 24 MA's), (19, 37044), (21, 37065),

Gene: Faja_71 Start: 38483, Stop: 38680, Start Num: 12
Candidate Starts for Faja_71:
(1, 38258), (5, 38363), (6, 38390), (Start: 12 @38483 has 24 MA's), (19, 38567), (21, 38588),

Gene: Globfish_71 Start: 37587, Stop: 37763, Start Num: 12
Candidate Starts for Globfish_71:
(5, 37467), (6, 37494), (Start: 12 @37587 has 24 MA's), (19, 37671), (20, 37686),

Gene: Hestia_62 Start: 34706, Stop: 34903, Start Num: 12
Candidate Starts for Hestia_62:
(2, 34511), (5, 34586), (6, 34613), (Start: 12 @34706 has 24 MA's), (19, 34790), (21, 34811),

Gene: Kabloowy_69 Start: 38057, Stop: 38233, Start Num: 12
Candidate Starts for Kabloowy_69:
(5, 37937), (6, 37964), (Start: 12 @38057 has 24 MA's), (19, 38141), (21, 38162),

Gene: Khuang_49 Start: 29765, Stop: 29962, Start Num: 9
Candidate Starts for Khuang_49:
(Start: 9 @29765 has 2 MA's), (13, 29792), (16, 29843), (24, 29930),

Gene: Kumotta_54 Start: 31812, Stop: 31997, Start Num: 11
Candidate Starts for Kumotta_54:
(2, 31620), (3, 31632), (7, 31725), (Start: 11 @31812 has 2 MA's), (19, 31908),

Gene: Lasker_69 Start: 38075, Stop: 38272, Start Num: 12
Candidate Starts for Lasker_69:
(10, 38063), (Start: 12 @38075 has 24 MA's), (19, 38159), (21, 38180), (24, 38219),

Gene: Lawnathon_72 Start: 37278, Stop: 37454, Start Num: 12
Candidate Starts for Lawnathon_72:
(5, 37158), (6, 37185), (Start: 12 @37278 has 24 MA's), (19, 37362), (21, 37383),

Gene: LeBruni_70 Start: 36986, Stop: 37165, Start Num: 12
Candidate Starts for LeBruni_70:
(Start: 12 @36986 has 24 MA's), (14, 37007), (19, 37073),

Gene: Mapleville_65 Start: 36597, Stop: 36773, Start Num: 12
Candidate Starts for Mapleville_65:
(5, 36477), (6, 36504), (Start: 12 @36597 has 24 MA's), (19, 36681), (21, 36702),

Gene: MargaretKali_50 Start: 30430, Stop: 30615, Start Num: 11
Candidate Starts for MargaretKali_50:
(2, 30238), (3, 30250), (7, 30343), (Start: 11 @30430 has 2 MA's), (19, 30526),

Gene: MurphyJoseph_68 Start: 36356, Stop: 36532, Start Num: 12
Candidate Starts for MurphyJoseph_68:
(4, 36227), (6, 36263), (Start: 12 @36356 has 24 MA's), (19, 36440), (21, 36461),

Gene: Phrank15_73 Start: 37855, Stop: 38034, Start Num: 12
Candidate Starts for Phrank15_73:
(Start: 12 @37855 has 24 MA's), (19, 37942),

Gene: Raphaella_70 Start: 36976, Stop: 37152, Start Num: 12
Candidate Starts for Raphaella_70:
(5, 36856), (6, 36883), (Start: 12 @36976 has 24 MA's), (19, 37060), (21, 37081),

Gene: Raqqa_66 Start: 35298, Stop: 35495, Start Num: 12
Candidate Starts for Raqqa_66:
(5, 35178), (6, 35205), (Start: 12 @35298 has 24 MA's), (19, 35382),

Gene: Richie_73 Start: 38781, Stop: 38957, Start Num: 12
Candidate Starts for Richie_73:
(5, 38661), (6, 38688), (Start: 12 @38781 has 24 MA's), (19, 38865), (21, 38886),

Gene: Sashimi_68 Start: 37898, Stop: 38074, Start Num: 12
Candidate Starts for Sashimi_68:
(6, 37805), (Start: 12 @37898 has 24 MA's), (19, 37982),

Gene: Satrap_71 Start: 38053, Stop: 38232, Start Num: 12
Candidate Starts for Satrap_71:
(10, 38041), (Start: 12 @38053 has 24 MA's), (14, 38074), (19, 38140),

Gene: Seahorse_75 Start: 39938, Stop: 40120, Start Num: 12
Candidate Starts for Seahorse_75:
(10, 39926), (Start: 12 @39938 has 24 MA's), (14, 39959), (18, 40019), (22, 40067),

Gene: SonDevVon_77 Start: 38575, Stop: 38754, Start Num: 12
Candidate Starts for SonDevVon_77:
(Start: 12 @38575 has 24 MA's), (19, 38662),

Gene: SpicyFrank_73 Start: 38199, Stop: 38375, Start Num: 12
Candidate Starts for SpicyFrank_73:
(5, 38079), (6, 38106), (8, 38127), (Start: 12 @38199 has 24 MA's), (19, 38283), (21, 38304),

Gene: ThayneTheZag_75 Start: 37865, Stop: 38041, Start Num: 12
Candidate Starts for ThayneTheZag_75:
(5, 37745), (6, 37772), (Start: 12 @37865 has 24 MA's), (19, 37949), (21, 37970),

Gene: Windest_73 Start: 36336, Stop: 36512, Start Num: 12
Candidate Starts for Windest_73:
(5, 36216), (6, 36243), (Start: 12 @36336 has 24 MA's), (19, 36420), (21, 36441),

Gene: YoungHarleezy_69 Start: 37188, Stop: 37385, Start Num: 12
Candidate Starts for YoungHarleezy_69:
(4, 37059), (6, 37095), (Start: 12 @37188 has 24 MA's), (19, 37272), (21, 37293), (23, 37326),