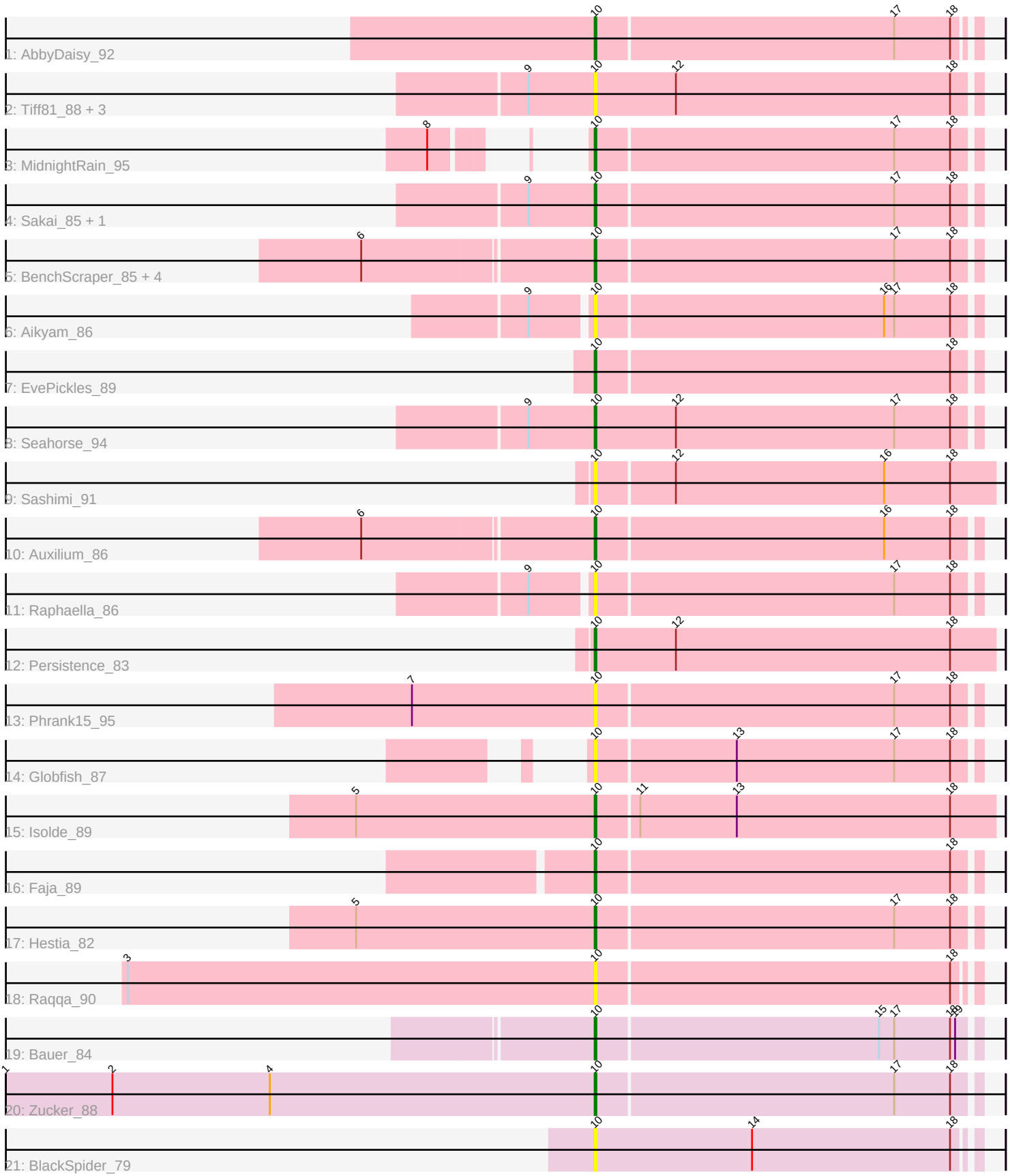
Pham 4657


1: AbbyDaisy_92
2: Tiff81_88 + 3
3: MidnightRain_95
4: Sakai_85 + 1
5: BenchScraper_85 + 4
6: Aikyam_86
7: EvePickles_89
8: Seahorse_94
9: Sashimi_91
10: Auxilium_86
11: Raphaella_86
12: Persistence_83
13: Phrank15_95
14: Globfish_87
15: Isolde_89
16: Faja_89
17: Hestia_82
18: Raqqa_90
19: Bauer_84
20: Zucker_88
21: BlackSpider_79

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 4657 Report

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

Pham number 4657 has 29 members, 14 are drafts.

Phages represented in each track:
• Track 1 : AbbyDaisy_92
• Track 2 : Tiff81_88, CookieBear_85, YoungHarleezy_87, Anekin_88
• Track 3 : MidnightRain_95
• Track 4 : Sakai_85, Gorpy_86
• Track 5 : BenchScraper_85, Richie_91, Hillester_92, BillyTP_87, RadFad_93
• Track 6 : Aikyam_86
• Track 7 : EvePickles_89
• Track 8 : Seahorse_94
• Track 9 : Sashimi_91
• Track 10 : Auxilium_86
• Track 11 : Raphaella_86
• Track 12 : Persistence_83
• Track 13 : Phrank15_95
• Track 14 : Globfish_87
• Track 15 : Isolde_89
• Track 16 : Faja_89
• Track 17 : Hestia_82
• Track 18 : Raqqa_90
• Track 19 : Bauer_84
• Track 20 : Zucker_88
• Track 21 : BlackSpider_79

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

The start number called the most often in the published annotations is 10, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbyDaisy_92, Aikyam_86, Anekin_88, Auxilium_86, Bauer_84, BenchScraper_85, BillyTP_87, BlackSpider_79, CookieBear_85, EvePickles_89, Faja_89, Globfish_87, Gorpy_86, Hestia_82, Hillester_92, Isolde_89, MidnightRain_95, Persistence_83, Phrank15_95, RadFad_93, Raphaella_86, Raqqa_90, Richie_91, Sakai_85, Sashimi_91, Seahorse_94, Tiff81_88, YoungHarleezy_87, Zucker_88,

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 10:
• Found in 29 of 29 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_92 (AY), Aikyam_86 (AY), Anekin_88 (AY), Auxilium_86 (AY), Bauer_84 (FN), BenchScraper_85 (AY), BillyTP_87 (AY), BlackSpider_79 (FN), CookieBear_85 (AY), EvePickles_89 (AY), Faja_89 (AY), Globfish_87 (AY), Gorpy_86 (AY), Hestia_82 (AY), Hillester_92 (AY), Isolde_89 (AY), MidnightRain_95 (AY), Persistence_83 (AY), Phrank15_95 (AY), RadFad_93 (AY), Raphaella_86 (AY), Raqqa_90 (AY), Richie_91 (AY), Sakai_85 (AY), Sashimi_91 (AY), Seahorse_94 (AY), Tiff81_88 (AY), YoungHarleezy_87 (AY), Zucker_88 (FN),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FN,

Info for manual annotations of cluster AY:
•Start number 10 was manually annotated 13 times for cluster AY.

Info for manual annotations of cluster FN:
•Start number 10 was manually annotated 2 times for cluster FN.

Gene Information:

Gene: AbbyDaisy_92 Start: 52002, Stop: 52220, Start Num: 10
Candidate Starts for AbbyDaisy_92:
(Start: 10 @52002 has 15 MA's), (17, 52176), (18, 52209),

Gene: Aikyam_86 Start: 47479, Stop: 47700, Start Num: 10
Candidate Starts for Aikyam_86:
(9, 47446), (Start: 10 @47479 has 15 MA's), (16, 47647), (17, 47653), (18, 47686),

Gene: Anekin_88 Start: 49708, Stop: 49944, Start Num: 10
Candidate Starts for Anekin_88:
(9, 49669), (Start: 10 @49708 has 15 MA's), (12, 49756), (18, 49918),

Gene: Auxilium_86 Start: 46778, Stop: 46999, Start Num: 10
Candidate Starts for Auxilium_86:
(6, 46646), (Start: 10 @46778 has 15 MA's), (16, 46946), (18, 46985),

Gene: Bauer_84 Start: 45844, Stop: 46065, Start Num: 10
Candidate Starts for Bauer_84:

(Start: 10 @45844 has 15 MA's), (15, 46009), (17, 46018), (18, 46051), (19, 46054),

Gene: BenchScraper_85 Start: 47729, Stop: 47950, Start Num: 10
Candidate Starts for BenchScraper_85:
(6, 47597), (Start: 10 @47729 has 15 MA's), (17, 47903), (18, 47936),

Gene: BillyTP_87 Start: 49835, Stop: 50053, Start Num: 10
Candidate Starts for BillyTP_87:
(6, 49703), (Start: 10 @49835 has 15 MA's), (17, 50009), (18, 50042),

Gene: BlackSpider_79 Start: 47086, Stop: 47307, Start Num: 10
Candidate Starts for BlackSpider_79:
(Start: 10 @47086 has 15 MA's), (14, 47179), (18, 47296),

Gene: CookieBear_85 Start: 49040, Stop: 49261, Start Num: 10
Candidate Starts for CookieBear_85:
(9, 49001), (Start: 10 @49040 has 15 MA's), (12, 49088), (18, 49250),

Gene: EvePickles_89 Start: 50445, Stop: 50666, Start Num: 10
Candidate Starts for EvePickles_89:
(Start: 10 @50445 has 15 MA's), (18, 50652),

Gene: Faja_89 Start: 49706, Stop: 49927, Start Num: 10
Candidate Starts for Faja_89:
(Start: 10 @49706 has 15 MA's), (18, 49913),

Gene: Globfish_87 Start: 48449, Stop: 48670, Start Num: 10
Candidate Starts for Globfish_87:
(Start: 10 @48449 has 15 MA's), (13, 48530), (17, 48623), (18, 48656),

Gene: Gorpy_86 Start: 50457, Stop: 50678, Start Num: 10
Candidate Starts for Gorpy_86:
(9, 50418), (Start: 10 @50457 has 15 MA's), (17, 50631), (18, 50664),

Gene: Hestia_82 Start: 47064, Stop: 47285, Start Num: 10
Candidate Starts for Hestia_82:
(5, 46923), (Start: 10 @47064 has 15 MA's), (17, 47238), (18, 47271),

Gene: Hillester_92 Start: 49451, Stop: 49672, Start Num: 10
Candidate Starts for Hillester_92:
(6, 49319), (Start: 10 @49451 has 15 MA's), (17, 49625), (18, 49658),

Gene: Isolde_89 Start: 50300, Stop: 50533, Start Num: 10
Candidate Starts for Isolde_89:
(5, 50159), (Start: 10 @50300 has 15 MA's), (11, 50324), (13, 50381), (18, 50507),

Gene: MidnightRain_95 Start: 50950, Stop: 51171, Start Num: 10
Candidate Starts for MidnightRain_95:
(8, 50917), (Start: 10 @50950 has 15 MA's), (17, 51124), (18, 51157),

Gene: Persistence_83 Start: 47107, Stop: 47343, Start Num: 10
Candidate Starts for Persistence_83:
(Start: 10 @47107 has 15 MA's), (12, 47155), (18, 47317),

Gene: Phrank15_95 Start: 50129, Stop: 50350, Start Num: 10
Candidate Starts for Phrank15_95:
(7, 50021), (Start: 10 @50129 has 15 MA's), (17, 50303), (18, 50336),

Gene: RadFad_93 Start: 49451, Stop: 49672, Start Num: 10
Candidate Starts for RadFad_93:
(6, 49319), (Start: 10 @49451 has 15 MA's), (17, 49625), (18, 49658),

Gene: Raphaella_86 Start: 48406, Stop: 48627, Start Num: 10
Candidate Starts for Raphaella_86:
(9, 48373), (Start: 10 @48406 has 15 MA's), (17, 48580), (18, 48613),

Gene: Raqqa_90 Start: 49661, Stop: 49879, Start Num: 10
Candidate Starts for Raqqa_90:
(3, 49385), (Start: 10 @49661 has 15 MA's), (18, 49868),

Gene: Richie_91 Start: 50301, Stop: 50522, Start Num: 10
Candidate Starts for Richie_91:
(6, 50169), (Start: 10 @50301 has 15 MA's), (17, 50475), (18, 50508),

Gene: Sakai_85 Start: 49168, Stop: 49389, Start Num: 10
Candidate Starts for Sakai_85:
(9, 49129), (Start: 10 @49168 has 15 MA's), (17, 49342), (18, 49375),

Gene: Sashimi_91 Start: 49440, Stop: 49673, Start Num: 10
Candidate Starts for Sashimi_91:
(Start: 10 @49440 has 15 MA's), (12, 49485), (16, 49608), (18, 49647),

Gene: Seahorse_94 Start: 53811, Stop: 54035, Start Num: 10
Candidate Starts for Seahorse_94:
(9, 53772), (Start: 10 @53811 has 15 MA's), (12, 53859), (17, 53988), (18, 54021),

Gene: Tiff81_88 Start: 47523, Stop: 47747, Start Num: 10
Candidate Starts for Tiff81_88:
(9, 47484), (Start: 10 @47523 has 15 MA's), (12, 47571), (18, 47733),

Gene: YoungHarleezy_87 Start: 49925, Stop: 50161, Start Num: 10
Candidate Starts for YoungHarleezy_87:
(9, 49886), (Start: 10 @49925 has 15 MA's), (12, 49973), (18, 50135),

Gene: Zucker_88 Start: 50411, Stop: 50632, Start Num: 10
Candidate Starts for Zucker_88:
(1, 50063), (2, 50126), (4, 50219), (Start: 10 @50411 has 15 MA's), (17, 50585), (18, 50618),