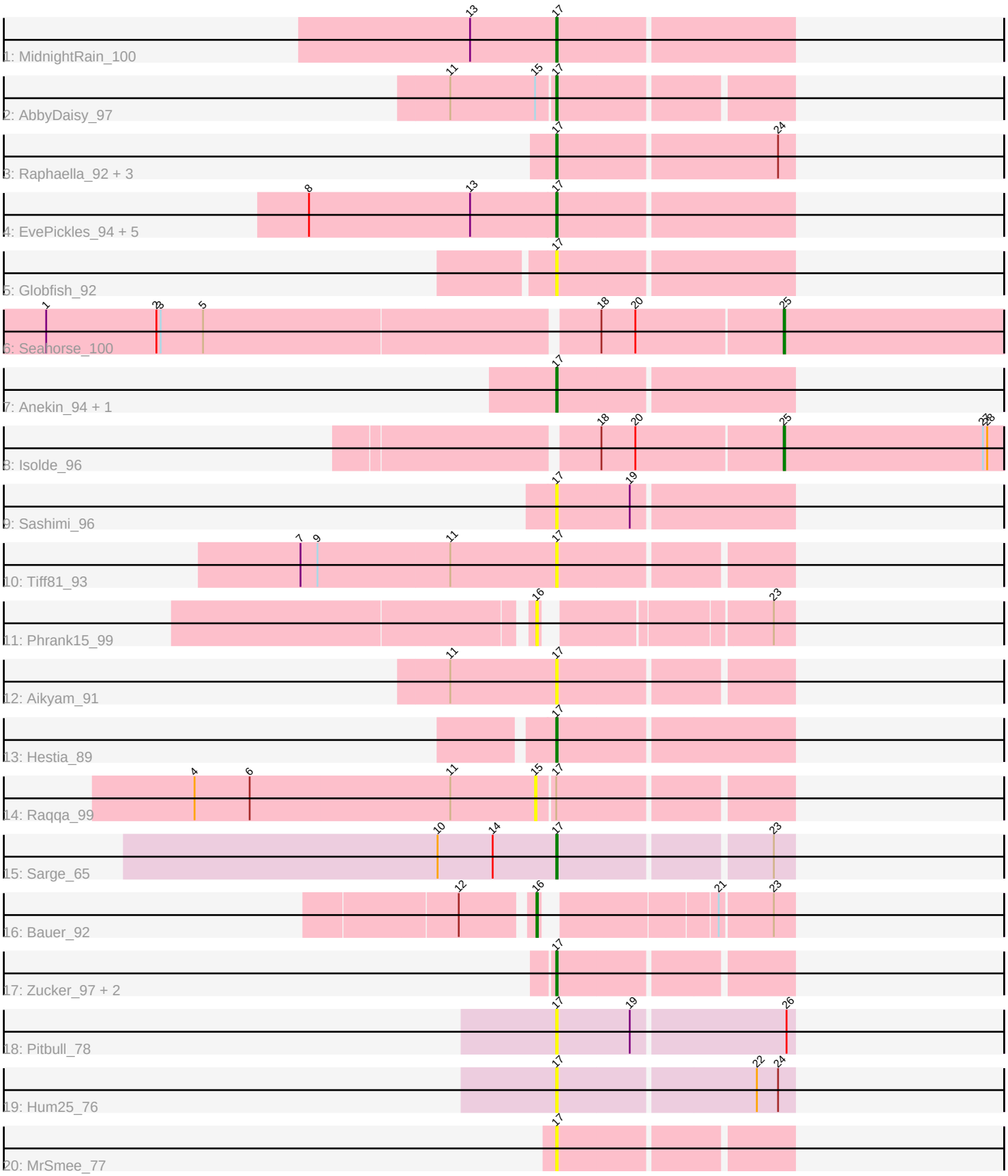
Pham 4758


1: MidnightRain_100
2: AbbyDaisy_97
3: Raphaella_92 + 3
4: EvePickles_94 + 5
5: Globfish_92
6: Seahorse_100
7: Anekin_94 + 1
8: Isolde_96
9: Sashimi_96
10: Tiff81_93
11: Phrank15_99
12: Aikyam_91
13: Hestia_89
14: Raqqa_99
15: Sarge_65
16: Bauer_92
17: Zucker_97 + 2
18: Pitbull_78
19: Hum25_76
20: MrSmee_77

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 4758 Report

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

Pham number 4758 has 31 members, 17 are drafts.

Phages represented in each track:
• Track 1 : MidnightRain_100
• Track 2 : AbbyDaisy_97
• Track 3 : Raphaella_92, Gorpy_91, YoungHarleezy_93, Sakai_90
• Track 4 : EvePickles_94, BillyTP_91, Faja_94, Hillester_97, CookieBear_92, RadFad_98
• Track 5 : Globfish_92
• Track 6 : Seahorse_100
• Track 7 : Anekin_94, Persistence_88
• Track 8 : Isolde_96
• Track 9 : Sashimi_96
• Track 10 : Tiff81_93
• Track 11 : Phrank15_99
• Track 12 : Aikyam_91
• Track 13 : Hestia_89
• Track 14 : Raqqa_99
• Track 15 : Sarge_65
• Track 16 : Bauer_92
• Track 17 : Zucker_97, BenchScraper_91, BlackSpider_85
• Track 18 : Pitbull_78
• Track 19 : Hum25_76
• Track 20 : MrSmee_77

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

The start number called the most often in the published annotations is 17, it was called in 11 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbyDaisy_97, Aikyam_91, Anekin_94, BenchScraper_91, BillyTP_91, BlackSpider_85, CookieBear_92, EvePickles_94, Faja_94, Globfish_92, Gorpy_91, Hestia_89, Hillester_97, Hum25_76, MidnightRain_100, MrSmee_77, Persistence_88, Pitbull_78, RadFad_98, Raphaella_92, Sakai_90, Sarge_65, Sashimi_96, Tiff81_93, YoungHarleezy_93, Zucker_97,

Genes that have the "Most Annotated" start but do not call it:
• Raqqa_99,

Genes that do not have the "Most Annotated" start:
• Bauer_92, Isolde_96, Phrank15_99, Seahorse_100,

Summary by start number:

Start 15:
• Found in 2 of 31 (6.5%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Raqqa_99 (AY),

Start 16:
• Found in 2 of 31 (6.5%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bauer_92 (FN), Phrank15_99 (AY),

Start 17:
• Found in 27 of 31 (87.1%) of genes in pham
• Manual Annotations of this start: 11 of 14
• Called 96.3% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_97 (AY), Aikyam_91 (AY), Anekin_94 (AY), BenchScraper_91 (AY), BillyTP_91 (AY), BlackSpider_85 (FN), CookieBear_92 (AY), EvePickles_94 (AY), Faja_94 (AY), Globfish_92 (AY), Gorpy_91 (AY), Hestia_89 (AY), Hillester_97 (AY), Hum25_76 (FQ), MidnightRain_100 (AY), MrSmee_77 (UNK), Persistence_88 (AY), Pitbull_78 (FQ), RadFad_98 (AY), Raphaella_92 (AY), Sakai_90 (AY), Sarge_65 (FB), Sashimi_96 (AY), Tiff81_93 (AY), YoungHarleezy_93 (AY), Zucker_97 (FN),

Start 25:
• Found in 2 of 31 (6.5%) of genes in pham
• Manual Annotations of this start: 2 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Isolde_96 (AY), Seahorse_100 (AY),

Summary by clusters:

There are 5 clusters represented in this pham: AY, FQ, FB, UNK, FN,

Info for manual annotations of cluster AY:
•Start number 17 was manually annotated 9 times for cluster AY.
•Start number 25 was manually annotated 2 times for cluster AY.

Info for manual annotations of cluster FB:
•Start number 17 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster FN:
•Start number 16 was manually annotated 1 time for cluster FN.
•Start number 17 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: AbbyDaisy_97 Start: 54077, Stop: 54232, Start Num: 17
Candidate Starts for AbbyDaisy_97:
(11, 54005), (15, 54065), (Start: 17 @54077 has 11 MA's),

Gene: Aikyam_91 Start: 49644, Stop: 49799, Start Num: 17
Candidate Starts for Aikyam_91:
(11, 49569), (Start: 17 @49644 has 11 MA's),

Gene: Anekin_94 Start: 52076, Stop: 52237, Start Num: 17
Candidate Starts for Anekin_94:
(Start: 17 @52076 has 11 MA's),

Gene: Bauer_92 Start: 49370, Stop: 49525, Start Num: 16
Candidate Starts for Bauer_92:
(12, 49325), (Start: 16 @49370 has 1 MA's), (21, 49475), (23, 49511),

Gene: BenchScraper_91 Start: 50224, Stop: 50385, Start Num: 17
Candidate Starts for BenchScraper_91:
(Start: 17 @50224 has 11 MA's),

Gene: BillyTP_91 Start: 52023, Stop: 52184, Start Num: 17
Candidate Starts for BillyTP_91:
(8, 51855), (13, 51969), (Start: 17 @52023 has 11 MA's),

Gene: BlackSpider_85 Start: 49765, Stop: 49920, Start Num: 17
Candidate Starts for BlackSpider_85:
(Start: 17 @49765 has 11 MA's),

Gene: CookieBear_92 Start: 51363, Stop: 51524, Start Num: 17
Candidate Starts for CookieBear_92:
(8, 51195), (13, 51309), (Start: 17 @51363 has 11 MA's),

Gene: EvePickles_94 Start: 52424, Stop: 52585, Start Num: 17
Candidate Starts for EvePickles_94:
(8, 52256), (13, 52370), (Start: 17 @52424 has 11 MA's),

Gene: Faja_94 Start: 51652, Stop: 51813, Start Num: 17
Candidate Starts for Faja_94:
(8, 51484), (13, 51598), (Start: 17 @51652 has 11 MA's),

Gene: Globfish_92 Start: 50558, Stop: 50719, Start Num: 17
Candidate Starts for Globfish_92:
(Start: 17 @50558 has 11 MA's),

Gene: Gorpy_91 Start: 52605, Stop: 52766, Start Num: 17
Candidate Starts for Gorpy_91:
(Start: 17 @52605 has 11 MA's), (24, 52755),

Gene: Hestia_89 Start: 50065, Stop: 50226, Start Num: 17
Candidate Starts for Hestia_89:
(Start: 17 @50065 has 11 MA's),

Gene: Hillester_97 Start: 51743, Stop: 51904, Start Num: 17
Candidate Starts for Hillester_97:
(8, 51575), (13, 51689), (Start: 17 @51743 has 11 MA's),

Gene: Hum25_76 Start: 41552, Stop: 41713, Start Num: 17
Candidate Starts for Hum25_76:
(Start: 17 @41552 has 11 MA's), (22, 41687), (24, 41702),

Gene: Isolde_96 Start: 52355, Stop: 52510, Start Num: 25
Candidate Starts for Isolde_96:
(18, 52229), (20, 52253), (Start: 25 @52355 has 2 MA's), (27, 52496), (28, 52499),

Gene: MidnightRain_100 Start: 52835, Stop: 52996, Start Num: 17
Candidate Starts for MidnightRain_100:
(13, 52781), (Start: 17 @52835 has 11 MA's),

Gene: MrSmee_77 Start: 40579, Stop: 40734, Start Num: 17
Candidate Starts for MrSmee_77:
(Start: 17 @40579 has 11 MA's),

Gene: Persistence_88 Start: 49108, Stop: 49269, Start Num: 17
Candidate Starts for Persistence_88:
(Start: 17 @49108 has 11 MA's),

Gene: Phrank15_99 Start: 51995, Stop: 52150, Start Num: 16
Candidate Starts for Phrank15_99:
(Start: 16 @51995 has 1 MA's), (23, 52136),

Gene: Pitbull_78 Start: 40981, Stop: 41142, Start Num: 17
Candidate Starts for Pitbull_78:
(Start: 17 @40981 has 11 MA's), (19, 41032), (26, 41137),

Gene: RadFad_98 Start: 51743, Stop: 51904, Start Num: 17
Candidate Starts for RadFad_98:
(8, 51575), (13, 51689), (Start: 17 @51743 has 11 MA's),

Gene: Raphaella_92 Start: 50737, Stop: 50898, Start Num: 17
Candidate Starts for Raphaella_92:
(Start: 17 @50737 has 11 MA's), (24, 50887),

Gene: Raqqa_99 Start: 53331, Stop: 53498, Start Num: 15
Candidate Starts for Raqqa_99:
(4, 53091), (6, 53130), (11, 53271), (15, 53331), (Start: 17 @53343 has 11 MA's),

Gene: Sakai_90 Start: 51316, Stop: 51477, Start Num: 17
Candidate Starts for Sakai_90:
(Start: 17 @51316 has 11 MA's), (24, 51466),

Gene: Sarge_65 Start: 35736, Stop: 35891, Start Num: 17
Candidate Starts for Sarge_65:
(10, 35652), (14, 35691), (Start: 17 @35736 has 11 MA's), (23, 35877),

Gene: Sashimi_96 Start: 51382, Stop: 51543, Start Num: 17
Candidate Starts for Sashimi_96:
(Start: 17 @51382 has 11 MA's), (19, 51433),

Gene: Seahorse_100 Start: 55911, Stop: 56066, Start Num: 25
Candidate Starts for Seahorse_100:
(1, 55404), (2, 55482), (3, 55485), (5, 55515), (18, 55785), (20, 55809), (Start: 25 @55911 has 2 MA's),

Gene: Tiff81_93 Start: 49716, Stop: 49871, Start Num: 17
Candidate Starts for Tiff81_93:
(7, 49536), (9, 49548), (11, 49641), (Start: 17 @49716 has 11 MA's),

Gene: YoungHarleezy_93 Start: 52058, Stop: 52219, Start Num: 17
Candidate Starts for YoungHarleezy_93:
(Start: 17 @52058 has 11 MA's), (24, 52208),

Gene: Zucker_97 Start: 52916, Stop: 53071, Start Num: 17
Candidate Starts for Zucker_97:
(Start: 17 @52916 has 11 MA's),