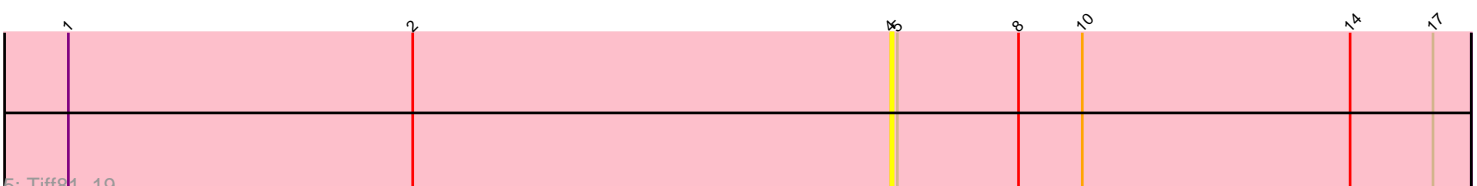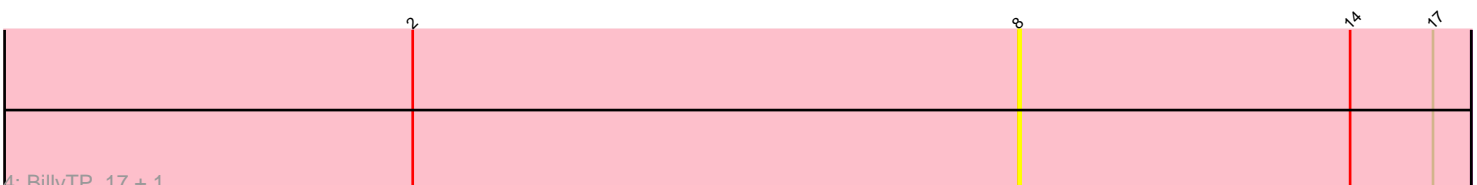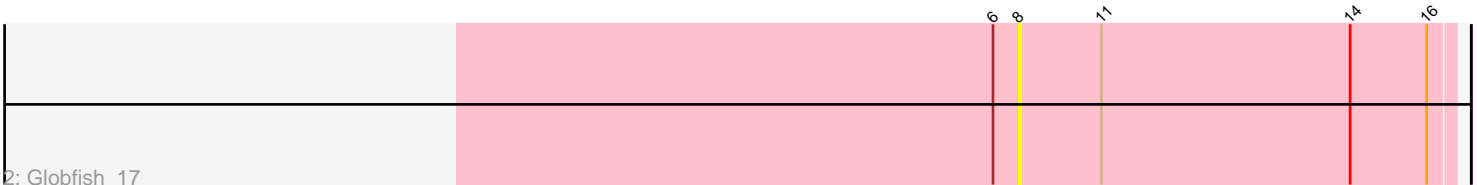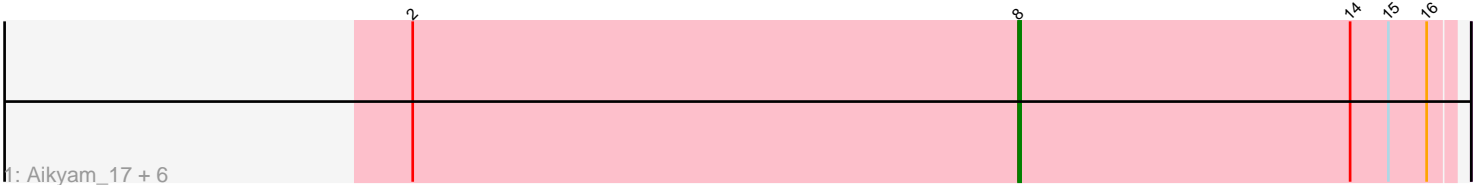# Pham 135998

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 135998 Report

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

Pham number 135998 has 15 members, 14 are drafts.

Phages represented in each track:
• Track 1 : Aikyam_17, Hillester_17, CookieBear_18, Raphaella_18, Gorpy_17, BenchScraper_17, YoungHarleezy_17
• Track 2 : Globfish_17
• Track 3 : Anekin_17
• Track 4 : BillyTP_17, ChuckDuck_16
• Track 5 : Tiff81_19
• Track 6 : Phrank15_17
• Track 7 : Karkharias_16
• Track 8 : Pucara_16

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

The start number called the most often in the published annotations is 8, it was called in 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aikyam_17, BenchScraper_17, BillyTP_17, ChuckDuck_16, CookieBear_18, Globfish_17, Gorpy_17, Hillester_17, Raphaella_18, YoungHarleezy_17,

Genes that have the "Most Annotated" start but do not call it:
• Anekin_17, Karkharias_16, Phrank15_17, Pucara_16, Tiff81_19,

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

Summary by start number:

Start 3:
• Found in 1 of 15 (6.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phrank15_17 (AY),

Start 4:

• Found in 2 of 15 (13.3%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Tiff81_19 (AY),

Start 5:
• Found in 5 of 15 (33.3%) of genes in pham
• No Manual Annotations of this start.
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Anekin_17 (AY), Karkharias_16 (FA), Pucara_16 (FA),

Start 8:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 1
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Aikyam_17 (AY), BenchScraper_17 (AY), BillyTP_17 (AY), ChuckDuck_16 (FA), CookieBear_18 (AY), Globfish_17 (AY), Gorpy_17 (AY), Hillester_17 (AY), Raphaella_18 (AY), YoungHarleezy_17 (AY),

Summary by clusters:

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

Info for manual annotations of cluster AY:
•Start number 8 was manually annotated 1 time for cluster AY.

Gene Information:

Gene: Aikyam_17 Start: 10332, Stop: 10535, Start Num: 8
Candidate Starts for Aikyam_17:
(2, 10047), (Start: 8 @10332 has 1 MA's), (14, 10488), (15, 10506), (16, 10524),

Gene: Anekin_17 Start: 10394, Stop: 10651, Start Num: 5
Candidate Starts for Anekin_17:
(5, 10394), (7, 10442), (Start: 8 @10451 has 1 MA's), (10, 10481), (13, 10580), (14, 10607),

Gene: BenchScraper_17 Start: 10346, Stop: 10549, Start Num: 8
Candidate Starts for BenchScraper_17:
(2, 10061), (Start: 8 @10346 has 1 MA's), (14, 10502), (15, 10520), (16, 10538),

Gene: BillyTP_17 Start: 10334, Stop: 10546, Start Num: 8
Candidate Starts for BillyTP_17:
(2, 10049), (Start: 8 @10334 has 1 MA's), (14, 10490), (17, 10529),

Gene: ChuckDuck_16 Start: 10452, Stop: 10664, Start Num: 8
Candidate Starts for ChuckDuck_16:
(2, 10167), (Start: 8 @10452 has 1 MA's), (14, 10608), (17, 10647),

Gene: CookieBear_18 Start: 10331, Stop: 10534, Start Num: 8

Candidate Starts for CookieBear_18:
(2, 10046), (Start: 8 @10331 has 1 MA's), (14, 10487), (15, 10505), (16, 10523),

Gene: Globfish_17 Start: 10405, Stop: 10608, Start Num: 8
Candidate Starts for Globfish_17:
(6, 10393), (Start: 8 @10405 has 1 MA's), (11, 10444), (14, 10561), (16, 10597),

Gene: Gorpy_17 Start: 10340, Stop: 10543, Start Num: 8
Candidate Starts for Gorpy_17:
(2, 10055), (Start: 8 @10340 has 1 MA's), (14, 10496), (15, 10514), (16, 10532),

Gene: Hillester_17 Start: 10331, Stop: 10534, Start Num: 8
Candidate Starts for Hillester_17:
(2, 10046), (Start: 8 @10331 has 1 MA's), (14, 10487), (15, 10505), (16, 10523),

Gene: Karkharias_16 Start: 10401, Stop: 10670, Start Num: 5
Candidate Starts for Karkharias_16:
(2, 10173), (5, 10401), (Start: 8 @10458 has 1 MA's), (9, 10479), (10, 10488), (12, 10509), (14, 10614), (17, 10653),

Gene: Phrank15_17 Start: 10400, Stop: 10696, Start Num: 3
Candidate Starts for Phrank15_17:
(3, 10400), (4, 10424), (5, 10427), (Start: 8 @10484 has 1 MA's), (12, 10535), (14, 10640), (17, 10679),

Gene: Pucara_16 Start: 10404, Stop: 10673, Start Num: 5
Candidate Starts for Pucara_16:
(1, 10014), (2, 10176), (5, 10404), (Start: 8 @10461 has 1 MA's), (10, 10491), (12, 10512), (14, 10617), (17, 10656),

Gene: Raphaella_18 Start: 10331, Stop: 10534, Start Num: 8
Candidate Starts for Raphaella_18:
(2, 10046), (Start: 8 @10331 has 1 MA's), (14, 10487), (15, 10505), (16, 10523),

Gene: Tiff81_19 Start: 10495, Stop: 10767, Start Num: 4
Candidate Starts for Tiff81_19:
(1, 10108), (2, 10270), (4, 10495), (5, 10498), (Start: 8 @10555 has 1 MA's), (10, 10585), (14, 10711), (17, 10750),

Gene: YoungHarleezy_17 Start: 10344, Stop: 10547, Start Num: 8
Candidate Starts for YoungHarleezy_17:
(2, 10059), (Start: 8 @10344 has 1 MA's), (14, 10500), (15, 10518), (16, 10536),