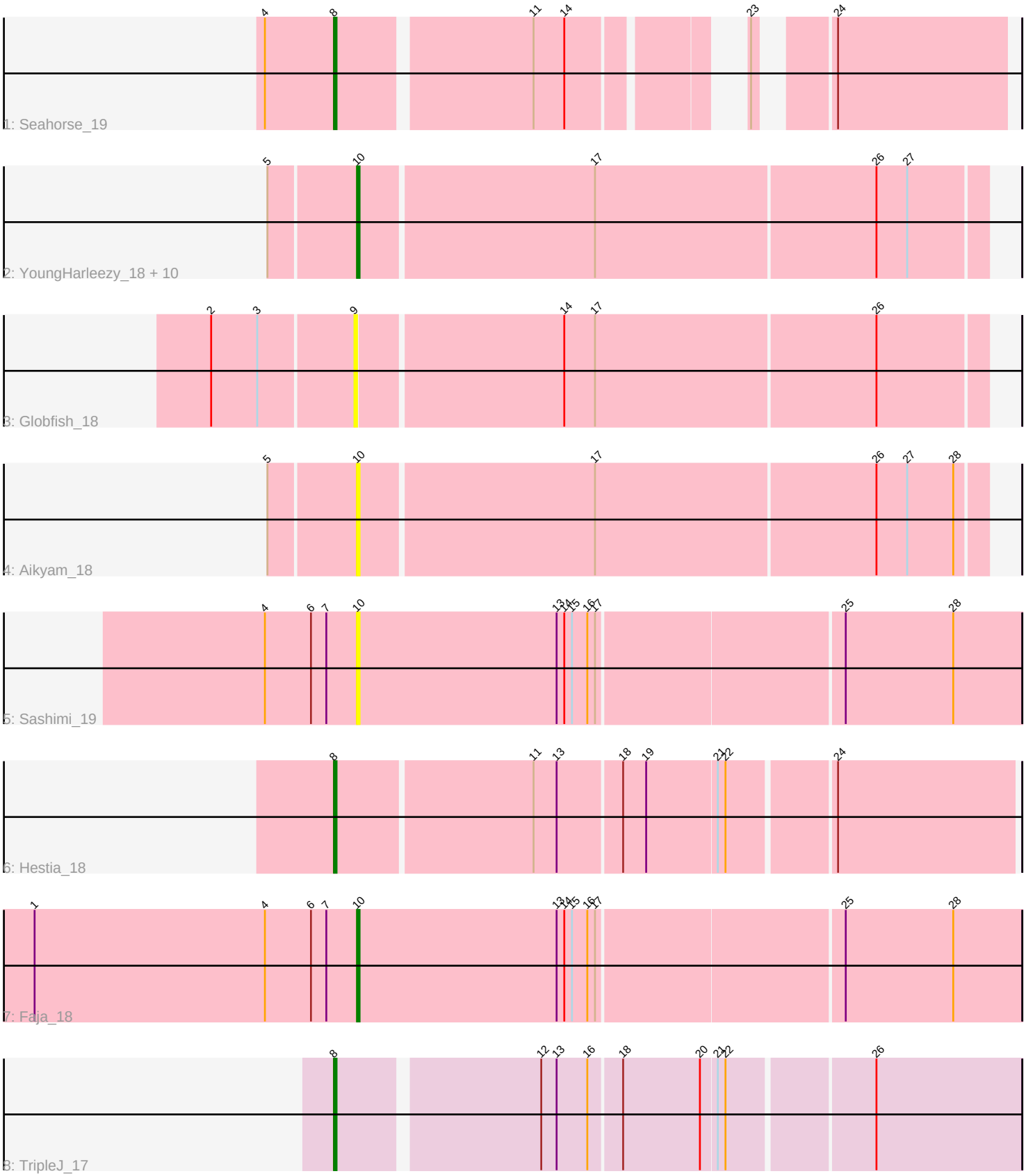
Pham 135909


1: Seahorse_19
2: YoungHarleezy_18 + 10
3: Globfish_18
4: Aikyam_18
5: Sashimi_19
6: Hestia_18
7: Faja_18
8: TripleJ_17

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 135909 Report

This analysis was run 04/05/24 on database version 557.

Pham number 135909 has 18 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Seahorse_19
• Track 2 : YoungHarleezy_18, RadFad_18, Auxilium_18, MidnightRain_18, CookieBear_19, Sakai_18, Hillester_18, Raphaella_19, Gorpy_18, Richie_18, BenchScraper_18
• Track 3 : Globfish_18
• Track 4 : Aikyam_18
• Track 5 : Sashimi_19
• Track 6 : Hestia_18
• Track 7 : Faja_18
• Track 8 : TripleJ_17

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 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aikyam_18, Auxilium_18, BenchScraper_18, CookieBear_19, Faja_18, Gorpy_18, Hillester_18, MidnightRain_18, RadFad_18, Raphaella_19, Richie_18, Sakai_18, Sashimi_19, YoungHarleezy_18,

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

Genes that do not have the "Most Annotated" start:
• Globfish_18, Hestia_18, Seahorse_19, TripleJ_17,

Summary by start number:

Start 8:
• Found in 3 of 18 (16.7%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Hestia_18 (AY), Seahorse_19 (AY), TripleJ_17 (FJ),

Start 9:
• Found in 1 of 18 (5.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Globfish_18 (AY),

Start 10:
• Found in 14 of 18 (77.8%) of genes in pham
• Manual Annotations of this start: 7 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aikyam_18 (AY), Auxilium_18 (AY), BenchScraper_18 (AY), CookieBear_19 (AY), Faja_18 (AY), Gorpy_18 (AY), Hillester_18 (AY), MidnightRain_18 (AY), RadFad_18 (AY), Raphaella_19 (AY), Richie_18 (AY), Sakai_18 (AY), Sashimi_19 (AY), YoungHarleezy_18 (AY),

Summary by clusters:

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

Info for manual annotations of cluster AY:
•Start number 8 was manually annotated 2 times for cluster AY.
•Start number 10 was manually annotated 7 times for cluster AY.

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

Gene Information:

Gene: Aikyam_18 Start: 10771, Stop: 10532, Start Num: 10
Candidate Starts for Aikyam_18:
(5, 10804), (Start: 10 @10771 has 7 MA's), (17, 10681), (26, 10573), (27, 10561), (28, 10543),

Gene: Auxilium_18 Start: 10770, Stop: 10531, Start Num: 10
Candidate Starts for Auxilium_18:
(5, 10803), (Start: 10 @10770 has 7 MA's), (17, 10680), (26, 10572), (27, 10560),

Gene: BenchScraper_18 Start: 10785, Stop: 10546, Start Num: 10
Candidate Starts for BenchScraper_18:
(5, 10818), (Start: 10 @10785 has 7 MA's), (17, 10695), (26, 10587), (27, 10575),

Gene: CookieBear_19 Start: 10770, Stop: 10531, Start Num: 10
Candidate Starts for CookieBear_19:
(5, 10803), (Start: 10 @10770 has 7 MA's), (17, 10680), (26, 10572), (27, 10560),

Gene: Faja_18 Start: 10960, Stop: 10706, Start Num: 10
Candidate Starts for Faja_18:
(1, 11086), (4, 10996), (6, 10978), (7, 10972), (Start: 10 @10960 has 7 MA's), (13, 10882), (14, 10879), (15, 10876), (16, 10870), (17, 10867), (25, 10774), (28, 10732),

Gene: Globfish_18 Start: 10844, Stop: 10605, Start Num: 9
Candidate Starts for Globfish_18:
(2, 10898), (3, 10880), (9, 10844), (14, 10766), (17, 10754), (26, 10646),

Gene: Gorpy_18 Start: 10779, Stop: 10540, Start Num: 10
Candidate Starts for Gorpy_18:
(5, 10812), (Start: 10 @10779 has 7 MA's), (17, 10689), (26, 10581), (27, 10569),

Gene: Hestia_18 Start: 10916, Stop: 10662, Start Num: 8
Candidate Starts for Hestia_18:
(Start: 8 @10916 has 3 MA's), (11, 10841), (13, 10832), (18, 10808), (19, 10799), (21, 10772), (22, 10769), (24, 10730),

Gene: Hillester_18 Start: 10770, Stop: 10531, Start Num: 10
Candidate Starts for Hillester_18:
(5, 10803), (Start: 10 @10770 has 7 MA's), (17, 10680), (26, 10572), (27, 10560),

Gene: MidnightRain_18 Start: 10769, Stop: 10530, Start Num: 10
Candidate Starts for MidnightRain_18:
(5, 10802), (Start: 10 @10769 has 7 MA's), (17, 10679), (26, 10571), (27, 10559),

Gene: RadFad_18 Start: 10770, Stop: 10531, Start Num: 10
Candidate Starts for RadFad_18:
(5, 10803), (Start: 10 @10770 has 7 MA's), (17, 10680), (26, 10572), (27, 10560),

Gene: Raphaella_19 Start: 10770, Stop: 10531, Start Num: 10
Candidate Starts for Raphaella_19:
(5, 10803), (Start: 10 @10770 has 7 MA's), (17, 10680), (26, 10572), (27, 10560),

Gene: Richie_18 Start: 10785, Stop: 10546, Start Num: 10
Candidate Starts for Richie_18:
(5, 10818), (Start: 10 @10785 has 7 MA's), (17, 10695), (26, 10587), (27, 10575),

Gene: Sakai_18 Start: 10779, Stop: 10540, Start Num: 10
Candidate Starts for Sakai_18:
(5, 10812), (Start: 10 @10779 has 7 MA's), (17, 10689), (26, 10581), (27, 10569),

Gene: Sashimi_19 Start: 11077, Stop: 10823, Start Num: 10
Candidate Starts for Sashimi_19:
(4, 11113), (6, 11095), (7, 11089), (Start: 10 @11077 has 7 MA's), (13, 10999), (14, 10996), (15, 10993), (16, 10987), (17, 10984), (25, 10891), (28, 10849),

Gene: Seahorse_19 Start: 11026, Stop: 10805, Start Num: 8
Candidate Starts for Seahorse_19:
(4, 11053), (Start: 8 @11026 has 3 MA's), (11, 10954), (14, 10942), (23, 10891), (24, 10870),

Gene: TripleJ_17 Start: 11025, Stop: 10771, Start Num: 8
Candidate Starts for TripleJ_17:
(Start: 8 @11025 has 3 MA's), (12, 10950), (13, 10944), (16, 10932), (18, 10920), (20, 10890), (21, 10884), (22, 10881), (26, 10827),

Gene: YoungHarleezy_18 Start: 10783, Stop: 10544, Start Num: 10

Candidate Starts for YoungHarleezy_18:
(5, 10816), (Start: 10 @10783 has 7 MA's), (17, 10693), (26, 10585), (27, 10573),