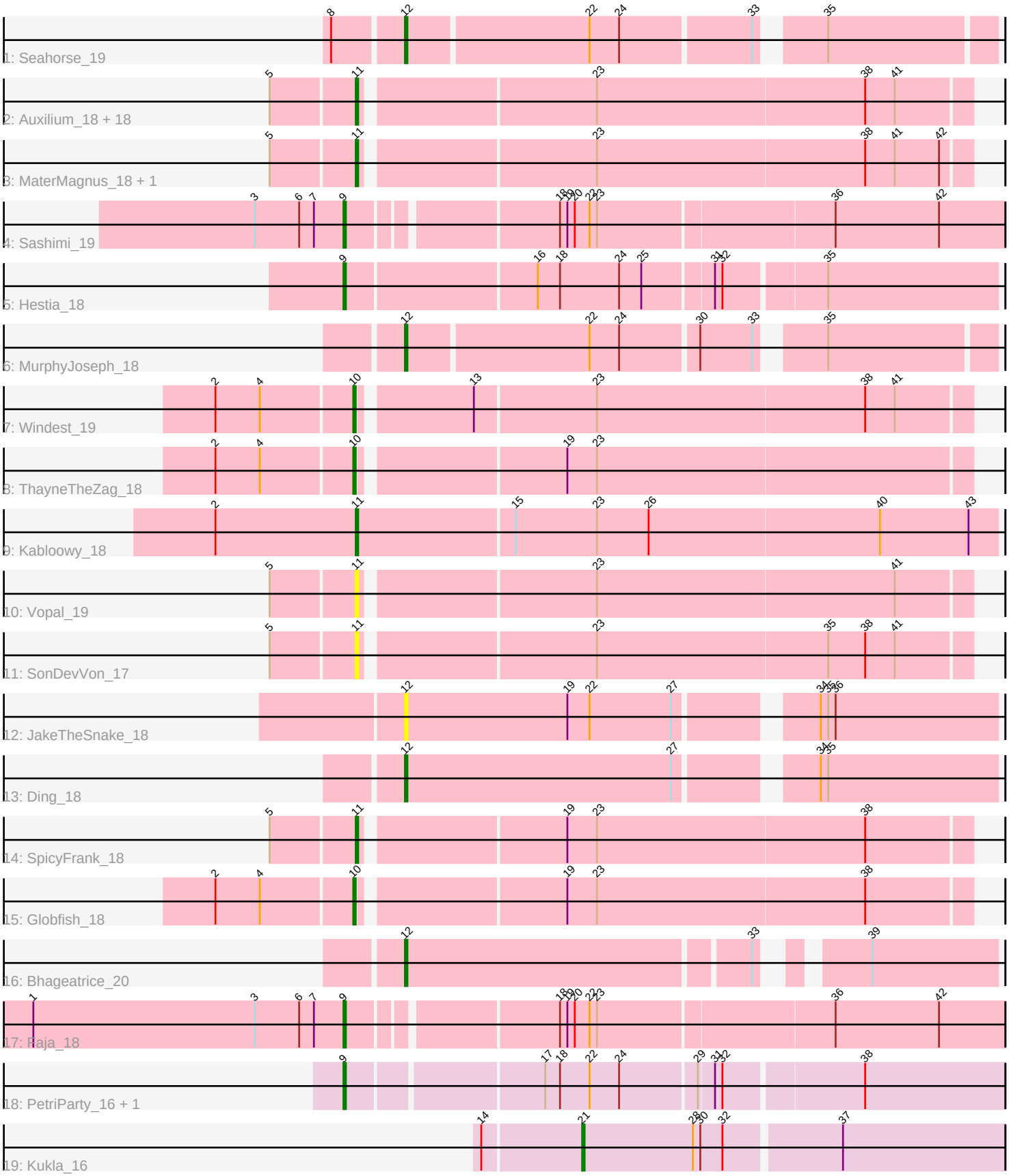
Pham 347803


1: Seahorse_19
2: Auxilium_18 + 18
3: MaterMagnus_18 + 1
4: Sashimi_19
5: Hestia_18
6: MurphyJoseph_18
7: Windest_19
8: ThayneTheZag_18
9: Kabloowy_18
10: Vopal_19
11: SonDevVon_17
12: JakeTheSnake_18
13: Ding_18
14: SpicyFrank_18
15: Globfish_18
16: Bhageatrice_20
17: Raja_18
18: PetriParty_16 + 1
19: Kukla_16

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 347803 Report

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

Pham number 347803 has 39 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Seahorse_19
• Track 2 : Auxilium_18, RadFad_18, AdaS_18, Lasker_17, Hillester_18, MUWow_17, Sakai_18, BenchScraper_18, Raphaella_18, CookieBear_18, NewKitty_19, JellyBread_18, YoungHarleezy_18, BlueShadow_18, MidnightRain_18, Sporco_17, Richie_18, BasketStar_18, Gorpy_18
• Track 3 : MaterMagnus_18, Aikyam_18
• Track 4 : Sashimi_19
• Track 5 : Hestia_18
• Track 6 : MurphyJoseph_18
• Track 7 : Windest_19
• Track 8 : ThayneTheZag_18
• Track 9 : Kabloowy_18
• Track 10 : Vopal_19
• Track 11 : SonDevVon_17
• Track 12 : JakeTheSnake_18
• Track 13 : Ding_18
• Track 14 : SpicyFrank_18
• Track 15 : Globfish_18
• Track 16 : Bhageatrice_20
• Track 17 : Faja_18
• Track 18 : PetriParty_16, TripleJ_17
• Track 19 : Kukla_16

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

The start number called the most often in the published annotations is 11, it was called in 20 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AdaS_18, Aikyam_18, Auxilium_18, BasketStar_18, BenchScraper_18, BlueShadow_18, CookieBear_18, Gorpy_18, Hillester_18, JellyBread_18, Kabloowy_18, Lasker_17, MUWow_17, MaterMagnus_18, MidnightRain_18, NewKitty_19, RadFad_18, Raphaella_18, Richie_18, Sakai_18, SonDevVon_17, SpicyFrank_18, Sporco_17, Vopal_19, YoungHarleezy_18,

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

Genes that do not have the "Most Annotated" start:
• Bhageatrice_20, Ding_18, Faja_18, Globfish_18, Hestia_18, JakeTheSnake_18, Kukla_16, MurphyJoseph_18, PetriParty_16, Sashimi_19, Seahorse_19, ThayneTheZag_18, TripleJ_17, Windest_19,

Summary by start number:

Start 9:
• Found in 5 of 39 (12.8%) of genes in pham
• Manual Annotations of this start: 4 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Faja_18 (AY), Hestia_18 (AY), PetriParty_16 (FJ), Sashimi_19 (AY), TripleJ_17 (FJ),

Start 10:
• Found in 3 of 39 (7.7%) of genes in pham
• Manual Annotations of this start: 3 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Globfish_18 (AY), ThayneTheZag_18 (AY), Windest_19 (AY),

Start 11:
• Found in 25 of 39 (64.1%) of genes in pham
• Manual Annotations of this start: 20 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AdaS_18 (AY), Aikyam_18 (AY), Auxilium_18 (AY), BasketStar_18 (AY), BenchScraper_18 (AY), BlueShadow_18 (AY), CookieBear_18 (AY), Gorpy_18 (AY), Hillester_18 (AY), JellyBread_18 (AY), Kabloowy_18 (AY), Lasker_17 (AY), MUWow_17 (AY), MaterMagnus_18 (AY), MidnightRain_18 (AY), NewKitty_19 (AY), RadFad_18 (AY), Raphaella_18 (AY), Richie_18 (AY), Sakai_18 (AY), SonDevVon_17 (AY), SpicyFrank_18 (AY), Sporco_17 (AY), Vopal_19 (AY), YoungHarleezy_18 (AY),

Start 12:
• Found in 5 of 39 (12.8%) of genes in pham
• Manual Annotations of this start: 4 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bhageatrice_20 (AY), Ding_18 (AY), JakeTheSnake_18 (AY), MurphyJoseph_18 (AY), Seahorse_19 (AY),

Start 21:
• Found in 1 of 39 (2.6%) of genes in pham
• Manual Annotations of this start: 1 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kukla_16 (FJ),

Summary by clusters:

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

Info for manual annotations of cluster AY:
•Start number 9 was manually annotated 3 times for cluster AY.
•Start number 10 was manually annotated 3 times for cluster AY.
•Start number 11 was manually annotated 20 times for cluster AY.
•Start number 12 was manually annotated 4 times for cluster AY.

Info for manual annotations of cluster FJ:
•Start number 9 was manually annotated 1 time for cluster FJ.
•Start number 21 was manually annotated 1 time for cluster FJ.

Gene Information:

Gene: AdaS_18 Start: 10770, Stop: 10531, Start Num: 11
Candidate Starts for AdaS_18:
(5, 10803), (Start: 11 @10770 has 20 MA's), (23, 10680), (38, 10572), (41, 10560),

Gene: Aikyam_18 Start: 10771, Stop: 10532, Start Num: 11
Candidate Starts for Aikyam_18:
(5, 10804), (Start: 11 @10771 has 20 MA's), (23, 10681), (38, 10573), (41, 10561), (42, 10543),

Gene: Auxilium_18 Start: 10770, Stop: 10531, Start Num: 11
Candidate Starts for Auxilium_18:
(5, 10803), (Start: 11 @10770 has 20 MA's), (23, 10680), (38, 10572), (41, 10560),

Gene: BasketStar_18 Start: 10824, Stop: 10585, Start Num: 11
Candidate Starts for BasketStar_18:
(5, 10857), (Start: 11 @10824 has 20 MA's), (23, 10734), (38, 10626), (41, 10614),

Gene: BenchScraper_18 Start: 10785, Stop: 10546, Start Num: 11
Candidate Starts for BenchScraper_18:
(5, 10818), (Start: 11 @10785 has 20 MA's), (23, 10695), (38, 10587), (41, 10575),

Gene: Bhageatrice_20 Start: 11974, Stop: 11759, Start Num: 12
Candidate Starts for Bhageatrice_20:
(Start: 12 @11974 has 4 MA's), (33, 11839), (39, 11809),

Gene: BlueShadow_18 Start: 10770, Stop: 10531, Start Num: 11
Candidate Starts for BlueShadow_18:
(5, 10803), (Start: 11 @10770 has 20 MA's), (23, 10680), (38, 10572), (41, 10560),

Gene: CookieBear_18 Start: 10770, Stop: 10531, Start Num: 11
Candidate Starts for CookieBear_18:
(5, 10803), (Start: 11 @10770 has 20 MA's), (23, 10680), (38, 10572), (41, 10560),

Gene: Ding_18 Start: 10764, Stop: 10537, Start Num: 12
Candidate Starts for Ding_18:
(Start: 12 @10764 has 4 MA's), (27, 10656), (34, 10608), (35, 10605),

Gene: Faja_18 Start: 10960, Stop: 10706, Start Num: 9
Candidate Starts for Faja_18:

(1, 11086), (3, 10996), (6, 10978), (7, 10972), (Start: 9 @10960 has 4 MA's), (18, 10882), (19, 10879), (20, 10876), (22, 10870), (23, 10867), (36, 10774), (42, 10732),

Gene: Globfish_18 Start: 10844, Stop: 10605, Start Num: 10
Candidate Starts for Globfish_18:
(2, 10898), (4, 10880), (Start: 10 @10844 has 3 MA's), (19, 10766), (23, 10754), (38, 10646),

Gene: Gorpy_18 Start: 10779, Stop: 10540, Start Num: 11
Candidate Starts for Gorpy_18:
(5, 10812), (Start: 11 @10779 has 20 MA's), (23, 10689), (38, 10581), (41, 10569),

Gene: Hestia_18 Start: 10916, Stop: 10662, Start Num: 9
Candidate Starts for Hestia_18:
(Start: 9 @10916 has 4 MA's), (16, 10841), (18, 10832), (24, 10808), (25, 10799), (31, 10772), (32, 10769), (35, 10730),

Gene: Hillester_18 Start: 10770, Stop: 10531, Start Num: 11
Candidate Starts for Hillester_18:
(5, 10803), (Start: 11 @10770 has 20 MA's), (23, 10680), (38, 10572), (41, 10560),

Gene: JakeTheSnake_18 Start: 10776, Stop: 10549, Start Num: 12
Candidate Starts for JakeTheSnake_18:
(Start: 12 @10776 has 4 MA's), (19, 10710), (22, 10701), (27, 10668), (34, 10620), (35, 10617), (36, 10614),

Gene: JellyBread_18 Start: 10763, Stop: 10524, Start Num: 11
Candidate Starts for JellyBread_18:
(5, 10796), (Start: 11 @10763 has 20 MA's), (23, 10673), (38, 10565), (41, 10553),

Gene: Kabloowy_18 Start: 10894, Stop: 10637, Start Num: 11
Candidate Starts for Kabloowy_18:
(2, 10951), (Start: 11 @10894 has 20 MA's), (15, 10831), (23, 10798), (26, 10777), (40, 10684), (43, 10648),

Gene: Kukla_16 Start: 10391, Stop: 10224, Start Num: 21
Candidate Starts for Kukla_16:
(14, 10430), (Start: 21 @10391 has 1 MA's), (28, 10346), (30, 10343), (32, 10334), (37, 10289),

Gene: Lasker_17 Start: 10778, Stop: 10539, Start Num: 11
Candidate Starts for Lasker_17:
(5, 10811), (Start: 11 @10778 has 20 MA's), (23, 10688), (38, 10580), (41, 10568),

Gene: MUWow_17 Start: 10863, Stop: 10624, Start Num: 11
Candidate Starts for MUWow_17:
(5, 10896), (Start: 11 @10863 has 20 MA's), (23, 10773), (38, 10665), (41, 10653),

Gene: MaterMagnus_18 Start: 10771, Stop: 10532, Start Num: 11
Candidate Starts for MaterMagnus_18:
(5, 10804), (Start: 11 @10771 has 20 MA's), (23, 10681), (38, 10573), (41, 10561), (42, 10543),

Gene: MidnightRain_18 Start: 10769, Stop: 10530, Start Num: 11
Candidate Starts for MidnightRain_18:
(5, 10802), (Start: 11 @10769 has 20 MA's), (23, 10679), (38, 10571), (41, 10559),

Gene: MurphyJoseph_18 Start: 10773, Stop: 10552, Start Num: 12
Candidate Starts for MurphyJoseph_18:
(Start: 12 @10773 has 4 MA's), (22, 10701), (24, 10689), (30, 10659), (33, 10638), (35, 10617),

Gene: NewKitty_19 Start: 11000, Stop: 10761, Start Num: 11
Candidate Starts for NewKitty_19:
(5, 11033), (Start: 11 @11000 has 20 MA's), (23, 10910), (38, 10802), (41, 10790),

Gene: PetriParty_16 Start: 11010, Stop: 10756, Start Num: 9
Candidate Starts for PetriParty_16:
(Start: 9 @11010 has 4 MA's), (17, 10935), (18, 10929), (22, 10917), (24, 10905), (29, 10875), (31, 10869), (32, 10866), (38, 10812),

Gene: RadFad_18 Start: 10770, Stop: 10531, Start Num: 11
Candidate Starts for RadFad_18:
(5, 10803), (Start: 11 @10770 has 20 MA's), (23, 10680), (38, 10572), (41, 10560),

Gene: Raphaella_18 Start: 10770, Stop: 10531, Start Num: 11
Candidate Starts for Raphaella_18:
(5, 10803), (Start: 11 @10770 has 20 MA's), (23, 10680), (38, 10572), (41, 10560),

Gene: Richie_18 Start: 10785, Stop: 10546, Start Num: 11
Candidate Starts for Richie_18:
(5, 10818), (Start: 11 @10785 has 20 MA's), (23, 10695), (38, 10587), (41, 10575),

Gene: Sakai_18 Start: 10779, Stop: 10540, Start Num: 11
Candidate Starts for Sakai_18:
(5, 10812), (Start: 11 @10779 has 20 MA's), (23, 10689), (38, 10581), (41, 10569),

Gene: Sashimi_19 Start: 11077, Stop: 10823, Start Num: 9
Candidate Starts for Sashimi_19:
(3, 11113), (6, 11095), (7, 11089), (Start: 9 @11077 has 4 MA's), (18, 10999), (19, 10996), (20, 10993), (22, 10987), (23, 10984), (36, 10891), (42, 10849),

Gene: Seahorse_19 Start: 11026, Stop: 10805, Start Num: 12
Candidate Starts for Seahorse_19:
(8, 11053), (Start: 12 @11026 has 4 MA's), (22, 10954), (24, 10942), (33, 10891), (35, 10870),

Gene: SonDevVon_17 Start: 10772, Stop: 10533, Start Num: 11
Candidate Starts for SonDevVon_17:
(5, 10805), (Start: 11 @10772 has 20 MA's), (23, 10682), (35, 10589), (38, 10574), (41, 10562),

Gene: SpicyFrank_18 Start: 10847, Stop: 10608, Start Num: 11
Candidate Starts for SpicyFrank_18:
(5, 10880), (Start: 11 @10847 has 20 MA's), (19, 10769), (23, 10757), (38, 10649),

Gene: Sporco_17 Start: 10827, Stop: 10588, Start Num: 11
Candidate Starts for Sporco_17:
(5, 10860), (Start: 11 @10827 has 20 MA's), (23, 10737), (38, 10629), (41, 10617),

Gene: ThayneTheZag_18 Start: 10845, Stop: 10606, Start Num: 10
Candidate Starts for ThayneTheZag_18:

(2, 10899), (4, 10881), (Start: 10 @10845 has 3 MA's), (19, 10767), (23, 10755),

Gene: TripleJ_17 Start: 11025, Stop: 10771, Start Num: 9
Candidate Starts for TripleJ_17:
(Start: 9 @11025 has 4 MA's), (17, 10950), (18, 10944), (22, 10932), (24, 10920), (29, 10890), (31, 10884), (32, 10881), (38, 10827),

Gene: Vopal_19 Start: 10842, Stop: 10603, Start Num: 11
Candidate Starts for Vopal_19:
(5, 10875), (Start: 11 @10842 has 20 MA's), (23, 10752), (41, 10632),

Gene: Windest_19 Start: 10827, Stop: 10588, Start Num: 10
Candidate Starts for Windest_19:
(2, 10881), (4, 10863), (Start: 10 @10827 has 3 MA's), (13, 10785), (23, 10737), (38, 10629), (41, 10617),

Gene: YoungHarleezy_18 Start: 10783, Stop: 10544, Start Num: 11
Candidate Starts for YoungHarleezy_18:
(5, 10816), (Start: 11 @10783 has 20 MA's), (23, 10693), (38, 10585), (41, 10573),