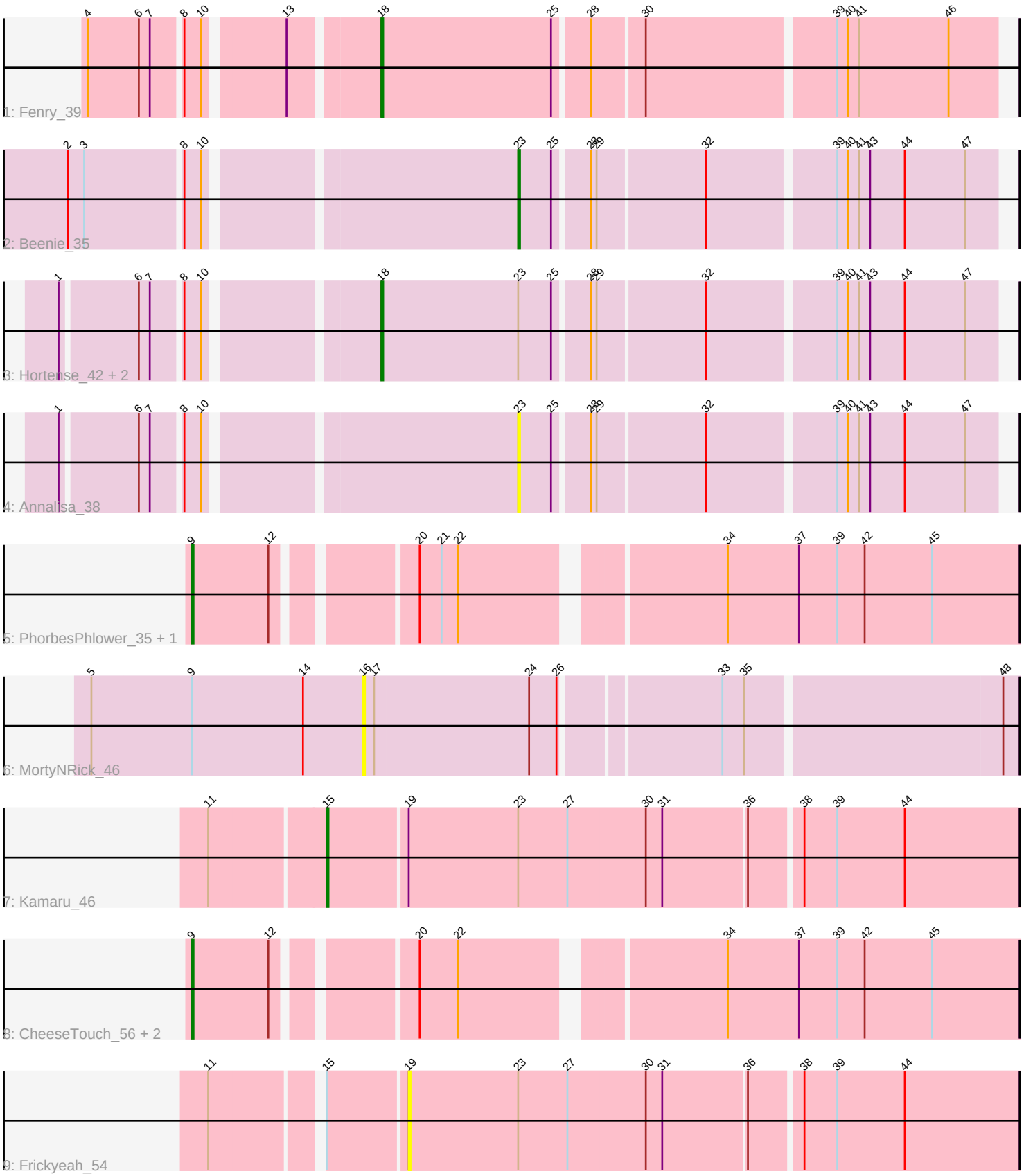
Pham 196953


1: Fenry_39
2: Beenie_35
3: Hortense_42 + 2
4: Annalisa_38
5: PhorbesPhlower_35 + 1
6: MortyNRick_46
7: Kamaru_46
8: CheeseTouch_56 + 2
9: Frickyeah_54

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 196953 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196953 has 14 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Fenry_39
• Track 2 : Beenie_35
• Track 3 : Hortense_42, Howe_42, Twinkle_41
• Track 4 : Annalisa_38
• Track 5 : PhorbesPhlower_35, Apricot_51
• Track 6 : MortyNRick_46
• Track 7 : Kamaru_46
• Track 8 : CheeseTouch_56, Crater_51, Phistory_53
• Track 9 : Frickyeah_54

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

The start number called the most often in the published annotations is 9, it was called in 5 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Apricot_51, CheeseTouch_56, Crater_51, Phistory_53, PhorbesPhlower_35,

Genes that have the "Most Annotated" start but do not call it:
• MortyNRick_46,

Genes that do not have the "Most Annotated" start:
• Annalisa_38, Beenie_35, Fenry_39, Frickyeah_54, Hortense_42, Howe_42, Kamaru_46, Twinkle_41,

Summary by start number:

Start 9:
• Found in 6 of 14 (42.9%) of genes in pham
• Manual Annotations of this start: 5 of 11
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Apricot_51 (DN3), CheeseTouch_56 (DN1), Crater_51 (DN3), Phistory_53 (DN1), PhorbesPhlower_35 (DH),

Start 15:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Kamaru_46 (DN1),

Start 16:
• Found in 1 of 14 (7.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MortyNRick_46 (DN),

Start 18:
• Found in 4 of 14 (28.6%) of genes in pham
• Manual Annotations of this start: 4 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fenry_39 (CV), Hortense_42 (CZ4), Howe_42 (CZ4), Twinkle_41 (CZ4),

Start 19:
• Found in 2 of 14 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Frickyeah_54 (DN1),

Start 23:
• Found in 7 of 14 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 28.6% of time when present
• Phage (with cluster) where this start called: Annalisa_38 (CZ4), Beenie_35 (CZ4),

Summary by clusters:

There are 6 clusters represented in this pham: DN, DH, CZ4, DN1, DN3, CV,

Info for manual annotations of cluster CV:
•Start number 18 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CZ4:
•Start number 18 was manually annotated 3 times for cluster CZ4.
•Start number 23 was manually annotated 1 time for cluster CZ4.

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

Info for manual annotations of cluster DN1:
•Start number 9 was manually annotated 2 times for cluster DN1.
•Start number 15 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster DN3:
•Start number 9 was manually annotated 2 times for cluster DN3.

Gene Information:

Gene: Annalisa_38 Start: 30127, Stop: 29879, Start Num: 23
Candidate Starts for Annalisa_38:
(1, 30355), (6, 30316), (7, 30310), (8, 30295), (10, 30286), (Start: 23 @30127 has 1 MA's), (25, 30109), (28, 30091), (29, 30088), (32, 30031), (39, 29965), (40, 29959), (41, 29953), (43, 29947), (44, 29929), (47, 29896),

Gene: Apricot_51 Start: 33861, Stop: 33445, Start Num: 9
Candidate Starts for Apricot_51:
(Start: 9 @33861 has 5 MA's), (12, 33819), (20, 33753), (21, 33741), (22, 33732), (34, 33603), (37, 33564), (39, 33543), (42, 33528), (45, 33492),

Gene: Beenie_35 Start: 30755, Stop: 30507, Start Num: 23
Candidate Starts for Beenie_35:
(2, 30983), (3, 30974), (8, 30923), (10, 30914), (Start: 23 @30755 has 1 MA's), (25, 30737), (28, 30719), (29, 30716), (32, 30659), (39, 30593), (40, 30587), (41, 30581), (43, 30575), (44, 30557), (47, 30524),

Gene: CheeseTouch_56 Start: 32599, Stop: 32183, Start Num: 9
Candidate Starts for CheeseTouch_56:
(Start: 9 @32599 has 5 MA's), (12, 32557), (20, 32491), (22, 32470), (34, 32341), (37, 32302), (39, 32281), (42, 32266), (45, 32230),

Gene: Crater_51 Start: 34256, Stop: 33840, Start Num: 9
Candidate Starts for Crater_51:
(Start: 9 @34256 has 5 MA's), (12, 34214), (20, 34148), (22, 34127), (34, 33998), (37, 33959), (39, 33938), (42, 33923), (45, 33887),

Gene: Fenry_39 Start: 32680, Stop: 32357, Start Num: 18
Candidate Starts for Fenry_39:
(4, 32821), (6, 32794), (7, 32788), (8, 32773), (10, 32764), (13, 32725), (Start: 18 @32680 has 4 MA's), (25, 32587), (28, 32569), (30, 32542), (39, 32443), (40, 32437), (41, 32431), (46, 32383),

Gene: Frickyeah_54 Start: 33610, Stop: 33284, Start Num: 19
Candidate Starts for Frickyeah_54:
(11, 33706), (Start: 15 @33652 has 1 MA's), (19, 33610), (Start: 23 @33550 has 1 MA's), (27, 33523), (30, 33481), (31, 33472), (36, 33427), (38, 33400), (39, 33382), (44, 33346),

Gene: Hortense_42 Start: 34200, Stop: 33877, Start Num: 18
Candidate Starts for Hortense_42:
(1, 34353), (6, 34314), (7, 34308), (8, 34293), (10, 34284), (Start: 18 @34200 has 4 MA's), (Start: 23 @34125 has 1 MA's), (25, 34107), (28, 34089), (29, 34086), (32, 34029), (39, 33963), (40, 33957), (41, 33951), (43, 33945), (44, 33927), (47, 33894),

Gene: Howe_42 Start: 34200, Stop: 33877, Start Num: 18
Candidate Starts for Howe_42:
(1, 34353), (6, 34314), (7, 34308), (8, 34293), (10, 34284), (Start: 18 @34200 has 4 MA's), (Start: 23 @34125 has 1 MA's), (25, 34107), (28, 34089), (29, 34086), (32, 34029), (39, 33963), (40, 33957), (41, 33951), (43, 33945), (44, 33927), (47, 33894),

Gene: Kamaru_46 Start: 33198, Stop: 32830, Start Num: 15
Candidate Starts for Kamaru_46:
(11, 33252), (Start: 15 @33198 has 1 MA's), (19, 33156), (Start: 23 @33096 has 1 MA's), (27, 33069), (30, 33027), (31, 33018), (36, 32973), (38, 32946), (39, 32928), (44, 32892),

Gene: MortyNRick_46 Start: 35061, Stop: 34720, Start Num: 16
Candidate Starts for MortyNRick_46:
(5, 35208), (Start: 9 @35154 has 5 MA's), (14, 35094), (16, 35061), (17, 35055), (24, 34971), (26, 34956), (33, 34875), (35, 34863), (48, 34728),

Gene: Phistory_53 Start: 34808, Stop: 34392, Start Num: 9
Candidate Starts for Phistory_53:
(Start: 9 @34808 has 5 MA's), (12, 34766), (20, 34700), (22, 34679), (34, 34550), (37, 34511), (39, 34490), (42, 34475), (45, 34439),

Gene: PhorbesPhlower_35 Start: 27304, Stop: 26888, Start Num: 9
Candidate Starts for PhorbesPhlower_35:
(Start: 9 @27304 has 5 MA's), (12, 27262), (20, 27196), (21, 27184), (22, 27175), (34, 27046), (37, 27007), (39, 26986), (42, 26971), (45, 26935),

Gene: Twinkle_41 Start: 35259, Stop: 34936, Start Num: 18
Candidate Starts for Twinkle_41:
(1, 35412), (6, 35373), (7, 35367), (8, 35352), (10, 35343), (Start: 18 @35259 has 4 MA's), (Start: 23 @35184 has 1 MA's), (25, 35166), (28, 35148), (29, 35145), (32, 35088), (39, 35022), (40, 35016), (41, 35010), (43, 35004), (44, 34986), (47, 34953),