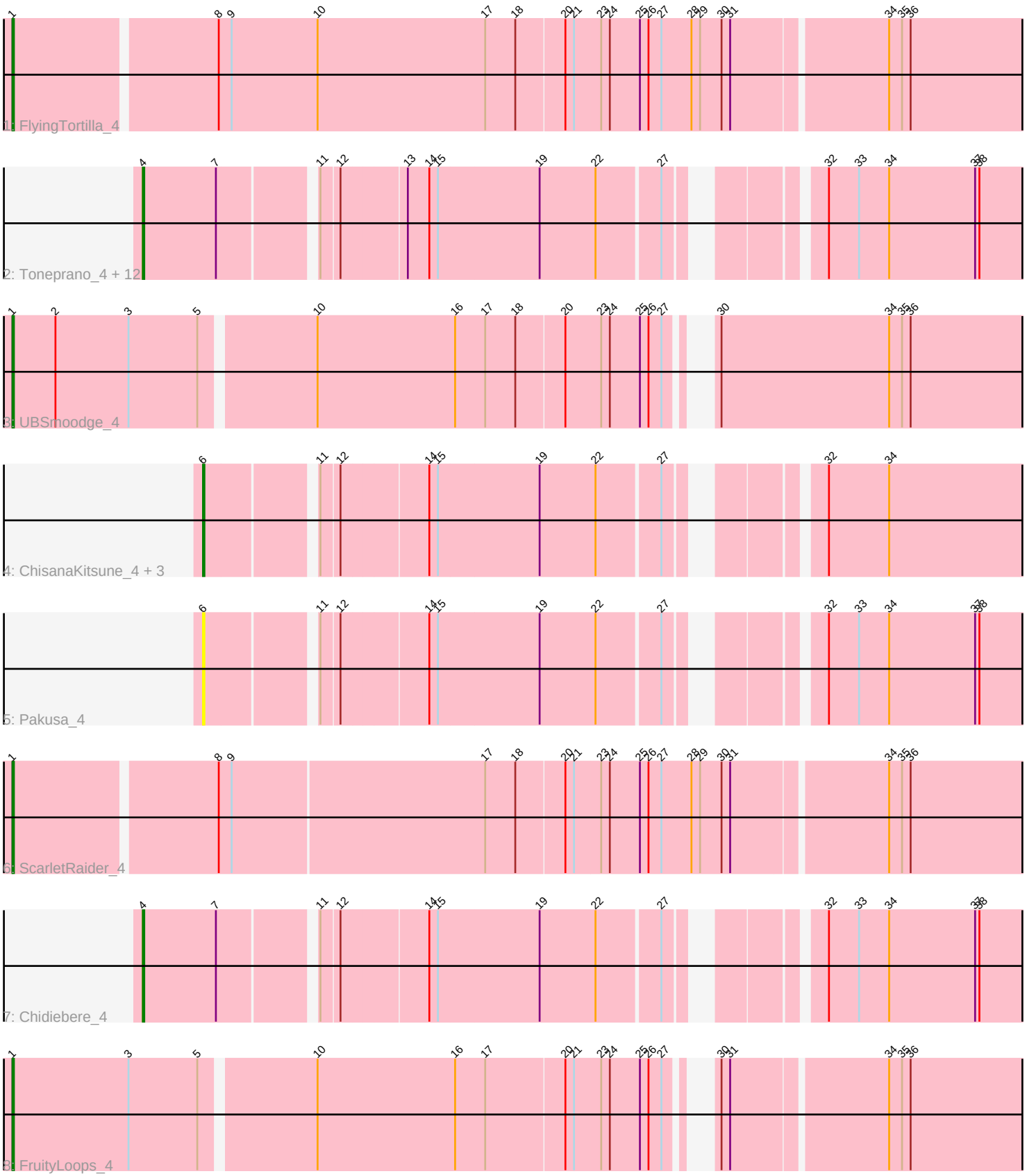
Pham 333183


1: FlyingTortilla_4
2: Toneprano_4 + 12
3: UBSmoodge_4
4: ChisanaKitsune_4 + 3
5: Pakusa_4
6: ScarletRaider_4
7: Chidiebere_4
8: FruityLoops_4

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 333183 Report

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

Pham number 333183 has 23 members, 9 are drafts.

Phages represented in each track:
• Track 1 : FlyingTortilla_4
• Track 2 : Toneprano_4, Twin_4, Aloki_4, EmoNemo_4, MintFritos_4, Argena_4, Gray_4, Mikronejon_4, Kabocha_4, Schomber_4, Hanem_4, Amoonguss_4, Farrylious_4
• Track 3 : UBSmoodge_4
• Track 4 : ChisanaKitsune_4, Oogie_4, Lenoshki_4, Beted_4
• Track 5 : Pakusa_4
• Track 6 : ScarletRaider_4
• Track 7 : Chidiebere_4
• Track 8 : FruityLoops_4

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

The start number called the most often in the published annotations is 4, it was called in 8 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloki_4, Amoonguss_4, Argena_4, Chidiebere_4, EmoNemo_4, Farrylious_4, Gray_4, Hanem_4, Kabocha_4, Mikronejon_4, MintFritos_4, Schomber_4, Toneprano_4, Twin_4,

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

Genes that do not have the "Most Annotated" start:
• Beted_4, ChisanaKitsune_4, FlyingTortilla_4, FruityLoops_4, Lenoshki_4, Oogie_4, Pakusa_4, ScarletRaider_4, UBSmoodge_4,

Summary by start number:

Start 1:
• Found in 4 of 23 (17.4%) of genes in pham
• Manual Annotations of this start: 4 of 14
• Called 100.0% of time when present

• Phage (with cluster) where this start called: FlyingTortilla_4 (DQ), FruityLoops_4 (DQ), ScarletRaider_4 (DQ), UBSmoodge_4 (DQ),

Start 4:
• Found in 14 of 23 (60.9%) of genes in pham
• Manual Annotations of this start: 8 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloki_4 (DQ), Amoonguss_4 (DQ), Argena_4 (DQ), Chidiebere_4 (DQ), EmoNemo_4 (DQ), Farrylious_4 (DQ), Gray_4 (DQ), Hanem_4 (DQ), Kabocha_4 (DQ), Mikronejon_4 (DQ), MintFritos_4 (DQ), Schomber_4 (DQ), Toneprano_4 (DQ), Twin_4 (DQ),

Start 6:
• Found in 5 of 23 (21.7%) 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: Beted_4 (DQ), ChisanaKitsune_4 (DQ), Lenoshki_4 (DQ), Oogie_4 (DQ), Pakusa_4 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:
•Start number 1 was manually annotated 4 times for cluster DQ.
•Start number 4 was manually annotated 8 times for cluster DQ.
•Start number 6 was manually annotated 2 times for cluster DQ.

Gene Information:

Gene: Aloki_4 Start: 2374, Stop: 2949, Start Num: 4
Candidate Starts for Aloki_4:
(Start: 4 @2374 has 8 MA's), (7, 2425), (11, 2485), (12, 2497), (13, 2539), (14, 2554), (15, 2560), (19, 2629), (22, 2668), (27, 2710), (32, 2788), (33, 2809), (34, 2830), (37, 2890), (38, 2893),

Gene: Amoonguss_4 Start: 2374, Stop: 2949, Start Num: 4
Candidate Starts for Amoonguss_4:
(Start: 4 @2374 has 8 MA's), (7, 2425), (11, 2485), (12, 2497), (13, 2539), (14, 2554), (15, 2560), (19, 2629), (22, 2668), (27, 2710), (32, 2788), (33, 2809), (34, 2830), (37, 2890), (38, 2893),

Gene: Argena_4 Start: 2374, Stop: 2949, Start Num: 4
Candidate Starts for Argena_4:
(Start: 4 @2374 has 8 MA's), (7, 2425), (11, 2485), (12, 2497), (13, 2539), (14, 2554), (15, 2560), (19, 2629), (22, 2668), (27, 2710), (32, 2788), (33, 2809), (34, 2830), (37, 2890), (38, 2893),

Gene: Beted_4 Start: 2158, Stop: 2691, Start Num: 6
Candidate Starts for Beted_4:
(Start: 6 @2158 has 2 MA's), (11, 2227), (12, 2239), (14, 2296), (15, 2302), (19, 2371), (22, 2410), (27, 2452), (32, 2530), (34, 2572),

Gene: Chidiebere_4 Start: 2374, Stop: 2949, Start Num: 4

Candidate Starts for Chidiebere_4:
(Start: 4 @2374 has 8 MA's), (7, 2425), (11, 2485), (12, 2497), (14, 2554), (15, 2560), (19, 2629), (22, 2668), (27, 2710), (32, 2788), (33, 2809), (34, 2830), (37, 2890), (38, 2893),

Gene: ChisanaKitsune_4 Start: 2155, Stop: 2688, Start Num: 6
Candidate Starts for ChisanaKitsune_4:
(Start: 6 @2155 has 2 MA's), (11, 2224), (12, 2236), (14, 2293), (15, 2299), (19, 2368), (22, 2407), (27, 2449), (32, 2527), (34, 2569),

Gene: EmoNemo_4 Start: 2374, Stop: 2949, Start Num: 4
Candidate Starts for EmoNemo_4:
(Start: 4 @2374 has 8 MA's), (7, 2425), (11, 2485), (12, 2497), (13, 2539), (14, 2554), (15, 2560), (19, 2629), (22, 2668), (27, 2710), (32, 2788), (33, 2809), (34, 2830), (37, 2890), (38, 2893),

Gene: Farrylious_4 Start: 2398, Stop: 2973, Start Num: 4
Candidate Starts for Farrylious_4:
(Start: 4 @2398 has 8 MA's), (7, 2449), (11, 2509), (12, 2521), (13, 2563), (14, 2578), (15, 2584), (19, 2653), (22, 2692), (27, 2734), (32, 2812), (33, 2833), (34, 2854), (37, 2914), (38, 2917),

Gene: FlyingTortilla_4 Start: 2726, Stop: 3439, Start Num: 1
Candidate Starts for FlyingTortilla_4:
(Start: 1 @2726 has 4 MA's), (8, 2861), (9, 2870), (10, 2930), (17, 3047), (18, 3068), (20, 3101), (21, 3107), (23, 3125), (24, 3131), (25, 3152), (26, 3158), (27, 3167), (28, 3188), (29, 3194), (30, 3209), (31, 3215), (34, 3317), (35, 3326), (36, 3332),

Gene: FruityLoops_4 Start: 2612, Stop: 3298, Start Num: 1
Candidate Starts for FruityLoops_4:
(Start: 1 @2612 has 4 MA's), (3, 2693), (5, 2741), (10, 2816), (16, 2912), (17, 2933), (20, 2987), (21, 2993), (23, 3011), (24, 3017), (25, 3038), (26, 3044), (27, 3053), (30, 3068), (31, 3074), (34, 3176), (35, 3185), (36, 3191),

Gene: Gray_4 Start: 2374, Stop: 2949, Start Num: 4
Candidate Starts for Gray_4:
(Start: 4 @2374 has 8 MA's), (7, 2425), (11, 2485), (12, 2497), (13, 2539), (14, 2554), (15, 2560), (19, 2629), (22, 2668), (27, 2710), (32, 2788), (33, 2809), (34, 2830), (37, 2890), (38, 2893),

Gene: Hanem_4 Start: 2374, Stop: 2949, Start Num: 4
Candidate Starts for Hanem_4:
(Start: 4 @2374 has 8 MA's), (7, 2425), (11, 2485), (12, 2497), (13, 2539), (14, 2554), (15, 2560), (19, 2629), (22, 2668), (27, 2710), (32, 2788), (33, 2809), (34, 2830), (37, 2890), (38, 2893),

Gene: Kabocha_4 Start: 2374, Stop: 2949, Start Num: 4
Candidate Starts for Kabocha_4:
(Start: 4 @2374 has 8 MA's), (7, 2425), (11, 2485), (12, 2497), (13, 2539), (14, 2554), (15, 2560), (19, 2629), (22, 2668), (27, 2710), (32, 2788), (33, 2809), (34, 2830), (37, 2890), (38, 2893),

Gene: Lenoshki_4 Start: 2158, Stop: 2691, Start Num: 6
Candidate Starts for Lenoshki_4:
(Start: 6 @2158 has 2 MA's), (11, 2227), (12, 2239), (14, 2296), (15, 2302), (19, 2371), (22, 2410), (27, 2452), (32, 2530), (34, 2572),

Gene: Mikronejon_4 Start: 2374, Stop: 2949, Start Num: 4
Candidate Starts for Mikronejon_4:

(Start: 4 @2374 has 8 MA's), (7, 2425), (11, 2485), (12, 2497), (13, 2539), (14, 2554), (15, 2560), (19, 2629), (22, 2668), (27, 2710), (32, 2788), (33, 2809), (34, 2830), (37, 2890), (38, 2893),

Gene: MintFritos_4 Start: 2374, Stop: 2949, Start Num: 4
Candidate Starts for MintFritos_4:
(Start: 4 @2374 has 8 MA's), (7, 2425), (11, 2485), (12, 2497), (13, 2539), (14, 2554), (15, 2560), (19, 2629), (22, 2668), (27, 2710), (32, 2788), (33, 2809), (34, 2830), (37, 2890), (38, 2893),

Gene: Oogie_4 Start: 2158, Stop: 2691, Start Num: 6
Candidate Starts for Oogie_4:
(Start: 6 @2158 has 2 MA's), (11, 2227), (12, 2239), (14, 2296), (15, 2302), (19, 2371), (22, 2410), (27, 2452), (32, 2530), (34, 2572),

Gene: Pakusa_4 Start: 2158, Stop: 2691, Start Num: 6
Candidate Starts for Pakusa_4:
(Start: 6 @2158 has 2 MA's), (11, 2227), (12, 2239), (14, 2296), (15, 2302), (19, 2371), (22, 2410), (27, 2452), (32, 2530), (33, 2551), (34, 2572), (37, 2632), (38, 2635),

Gene: ScarletRaider_4 Start: 2759, Stop: 3469, Start Num: 1
Candidate Starts for ScarletRaider_4:
(Start: 1 @2759 has 4 MA's), (8, 2894), (9, 2903), (17, 3077), (18, 3098), (20, 3131), (21, 3137), (23, 3155), (24, 3161), (25, 3182), (26, 3188), (27, 3197), (28, 3218), (29, 3224), (30, 3239), (31, 3245), (34, 3347), (35, 3356), (36, 3362),

Gene: Schomber_4 Start: 2374, Stop: 2949, Start Num: 4
Candidate Starts for Schomber_4:
(Start: 4 @2374 has 8 MA's), (7, 2425), (11, 2485), (12, 2497), (13, 2539), (14, 2554), (15, 2560), (19, 2629), (22, 2668), (27, 2710), (32, 2788), (33, 2809), (34, 2830), (37, 2890), (38, 2893),

Gene: Toneprano_4 Start: 2374, Stop: 2949, Start Num: 4
Candidate Starts for Toneprano_4:
(Start: 4 @2374 has 8 MA's), (7, 2425), (11, 2485), (12, 2497), (13, 2539), (14, 2554), (15, 2560), (19, 2629), (22, 2668), (27, 2710), (32, 2788), (33, 2809), (34, 2830), (37, 2890), (38, 2893),

Gene: Twin_4 Start: 2374, Stop: 2949, Start Num: 4
Candidate Starts for Twin_4:
(Start: 4 @2374 has 8 MA's), (7, 2425), (11, 2485), (12, 2497), (13, 2539), (14, 2554), (15, 2560), (19, 2629), (22, 2668), (27, 2710), (32, 2788), (33, 2809), (34, 2830), (37, 2890), (38, 2893),

Gene: UBSmoodge_4 Start: 2738, Stop: 3433, Start Num: 1
Candidate Starts for UBSmoodge_4:
(Start: 1 @2738 has 4 MA's), (2, 2768), (3, 2819), (5, 2867), (10, 2942), (16, 3038), (17, 3059), (18, 3080), (20, 3113), (23, 3137), (24, 3143), (25, 3164), (26, 3170), (27, 3179), (30, 3194), (34, 3311), (35, 3320), (36, 3326),