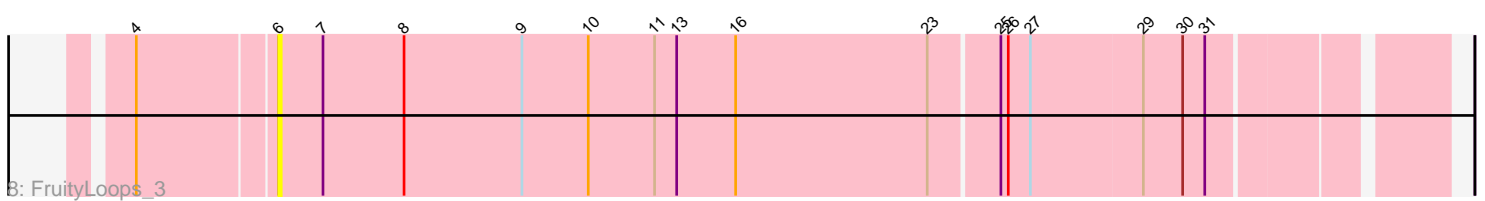
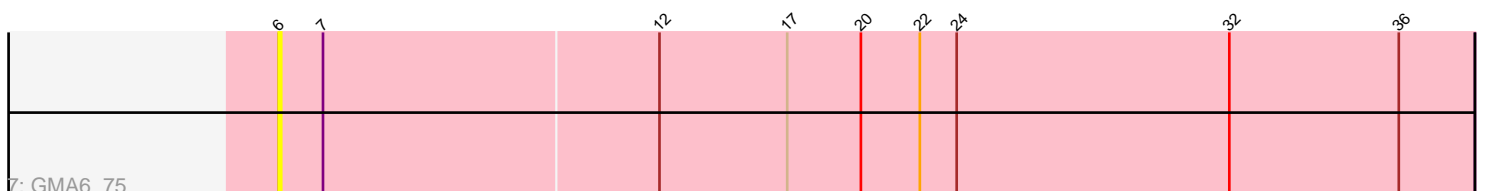
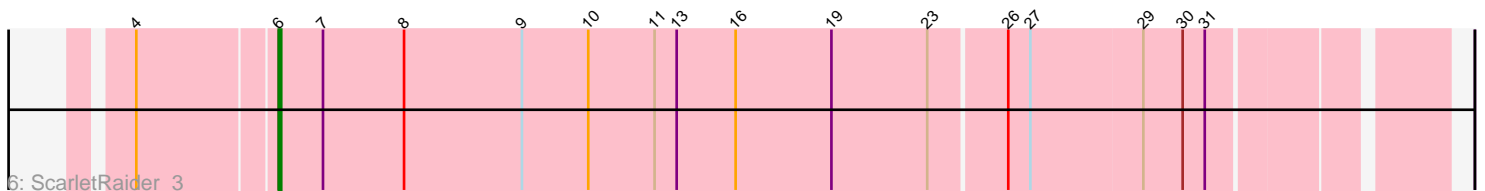
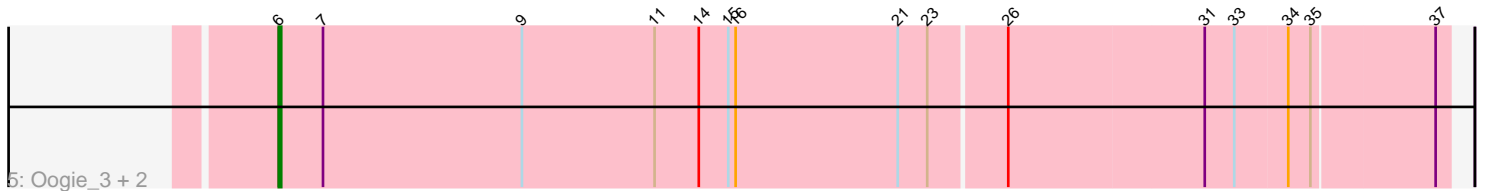
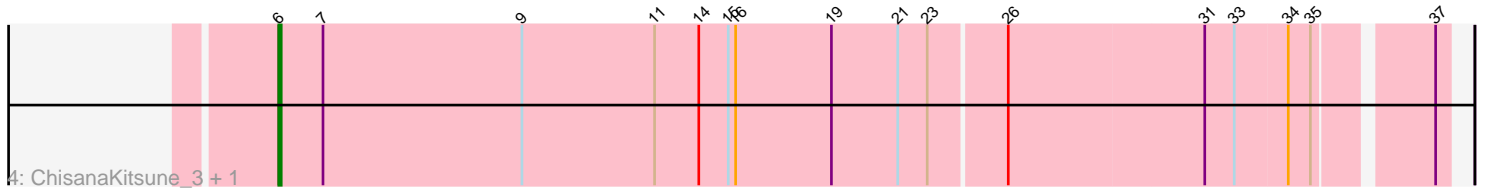
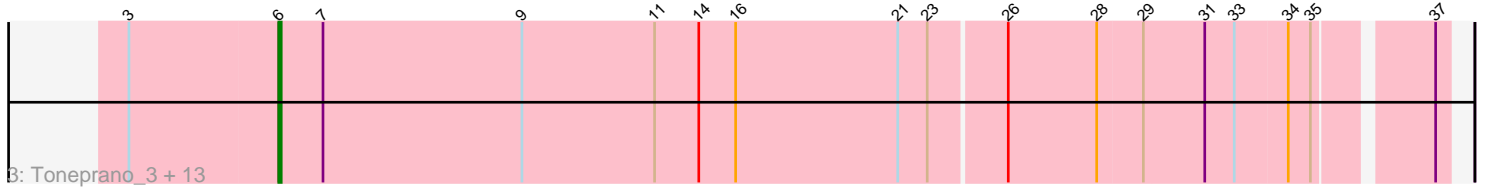
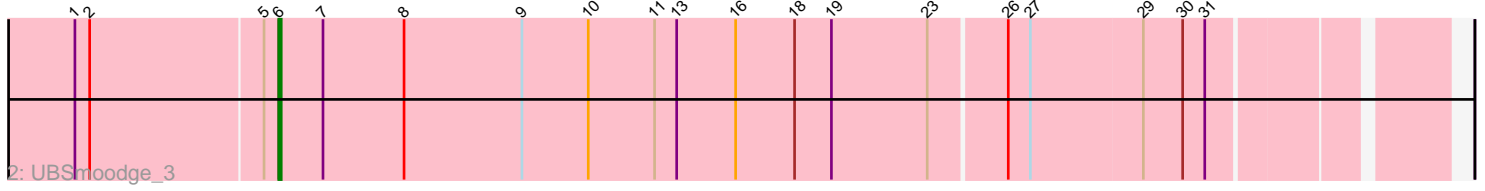
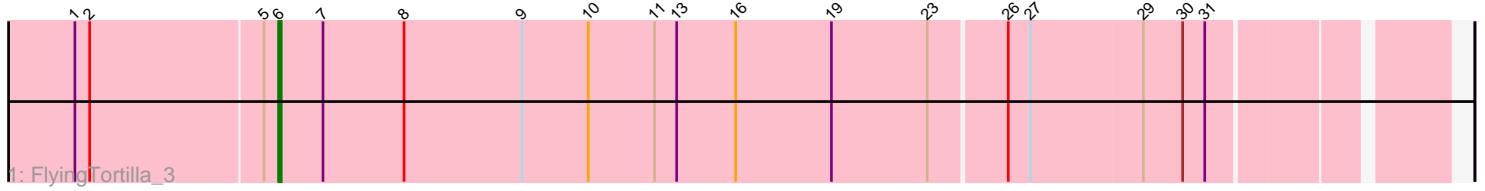


Pham 309180



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 309180 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309180 has 24 members, 13 are drafts.

Phages represented in each track:

- Track 1 : FlyingTortilla_3
- Track 2 : UBSmoodge_3
- Track 3 : Toneprano_3, Twin_3, Aloki_3, MintFritos_3, EmoNemo_3, Argena_3, Gray_3, Mikronejon_3, Chidiebere_3, Kabocha_3, Schomber_3, Hanem_3, Farrylious_3, Amoonguss_3
- Track 4 : ChisanaKitsune_3, Pakusa_3
- Track 5 : Oogie_3, Lenoshki_3, Beted_3
- Track 6 : ScarletRaider_3
- Track 7 : GMA6_75
- Track 8 : FruityLoops_3

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

The start number called the most often in the published annotations is 6, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aloki_3, Amoonguss_3, Argena_3, Beted_3, Chidiebere_3, ChisanaKitsune_3, EmoNemo_3, Farrylious_3, FlyingTortilla_3, FruityLoops_3, GMA6_75, Gray_3, Hanem_3, Kabocha_3, Lenoshki_3, Mikronejon_3, MintFritos_3, Oogie_3, Pakusa_3, ScarletRaider_3, Schomber_3, Toneprano_3, Twin_3, UBSmoodge_3,

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

-

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

-

Summary by start number:

Start 6:

- Found in 24 of 24 (100.0%) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Aloki_3 (DQ), Amoonguss_3 (DQ), Argena_3 (DQ), Beted_3 (DQ), Chidiebere_3 (DQ), ChisanaKitsune_3 (DQ), EmoNemo_3 (DQ), Farrylious_3 (DQ), FlyingTortilla_3 (DQ), FruityLoops_3 (DQ), GMA6_75 (DQ), Gray_3 (DQ), Hanem_3 (DQ), Kabocha_3 (DQ), Lenoshki_3 (DQ), Mikronejon_3 (DQ), MintFritos_3 (DQ), Oogie_3 (DQ), Pakusa_3 (DQ), ScarletRaider_3 (DQ), Schomber_3 (DQ), Toneprano_3 (DQ), Twin_3 (DQ), UBSmoodge_3 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:

•Start number 6 was manually annotated 11 times for cluster DQ.

Gene Information:

Gene: Aloki_3 Start: 1913, Stop: 2374, Start Num: 6

Candidate Starts for Aloki_3:

(3, 1853), (Start: 6 @1913 has 11 MA's), (7, 1931), (9, 2012), (11, 2066), (14, 2084), (16, 2099), (21, 2165), (23, 2177), (26, 2207), (28, 2243), (29, 2261), (31, 2285), (33, 2297), (34, 2318), (35, 2327), (37, 2369),

Gene: Amoonguss_3 Start: 1913, Stop: 2374, Start Num: 6

Candidate Starts for Amoonguss_3:

(3, 1853), (Start: 6 @1913 has 11 MA's), (7, 1931), (9, 2012), (11, 2066), (14, 2084), (16, 2099), (21, 2165), (23, 2177), (26, 2207), (28, 2243), (29, 2261), (31, 2285), (33, 2297), (34, 2318), (35, 2327), (37, 2369),

Gene: Argena_3 Start: 1913, Stop: 2374, Start Num: 6

Candidate Starts for Argena_3:

(3, 1853), (Start: 6 @1913 has 11 MA's), (7, 1931), (9, 2012), (11, 2066), (14, 2084), (16, 2099), (21, 2165), (23, 2177), (26, 2207), (28, 2243), (29, 2261), (31, 2285), (33, 2297), (34, 2318), (35, 2327), (37, 2369),

Gene: Beted_3 Start: 1691, Stop: 2158, Start Num: 6

Candidate Starts for Beted_3:

(Start: 6 @1691 has 11 MA's), (7, 1709), (9, 1790), (11, 1844), (14, 1862), (15, 1874), (16, 1877), (21, 1943), (23, 1955), (26, 1985), (31, 2063), (33, 2075), (34, 2096), (35, 2105), (37, 2153),

Gene: Chidiebere_3 Start: 1913, Stop: 2374, Start Num: 6

Candidate Starts for Chidiebere_3:

(3, 1853), (Start: 6 @1913 has 11 MA's), (7, 1931), (9, 2012), (11, 2066), (14, 2084), (16, 2099), (21, 2165), (23, 2177), (26, 2207), (28, 2243), (29, 2261), (31, 2285), (33, 2297), (34, 2318), (35, 2327), (37, 2369),

Gene: ChisanaKitsune_3 Start: 1694, Stop: 2155, Start Num: 6

Candidate Starts for ChisanaKitsune_3:

(Start: 6 @1694 has 11 MA's), (7, 1712), (9, 1793), (11, 1847), (14, 1865), (15, 1877), (16, 1880), (19, 1919), (21, 1946), (23, 1958), (26, 1988), (31, 2066), (33, 2078), (34, 2099), (35, 2108), (37, 2150),

Gene: EmoNemo_3 Start: 1913, Stop: 2374, Start Num: 6

Candidate Starts for EmoNemo_3:

(3, 1853), (Start: 6 @1913 has 11 MA's), (7, 1931), (9, 2012), (11, 2066), (14, 2084), (16, 2099), (21, 2165), (23, 2177), (26, 2207), (28, 2243), (29, 2261), (31, 2285), (33, 2297), (34, 2318), (35, 2327), (37, 2369),

Gene: Farrylious_3 Start: 1937, Stop: 2398, Start Num: 6

Candidate Starts for Farrylious_3:

(3, 1877), (Start: 6 @1937 has 11 MA's), (7, 1955), (9, 2036), (11, 2090), (14, 2108), (16, 2123), (21, 2189), (23, 2201), (26, 2231), (28, 2267), (29, 2285), (31, 2309), (33, 2321), (34, 2342), (35, 2351), (37, 2393),

Gene: FlyingTortilla_3 Start: 2268, Stop: 2726, Start Num: 6

Candidate Starts for FlyingTortilla_3:

(1, 2187), (2, 2193), (5, 2262), (Start: 6 @2268 has 11 MA's), (7, 2286), (8, 2319), (9, 2367), (10, 2394), (11, 2421), (13, 2430), (16, 2454), (19, 2493), (23, 2532), (26, 2562), (27, 2571), (29, 2616), (30, 2631), (31, 2640),

Gene: FruityLoops_3 Start: 2154, Stop: 2612, Start Num: 6

Candidate Starts for FruityLoops_3:

(4, 2100), (Start: 6 @2154 has 11 MA's), (7, 2172), (8, 2205), (9, 2253), (10, 2280), (11, 2307), (13, 2316), (16, 2340), (23, 2418), (25, 2445), (26, 2448), (27, 2457), (29, 2502), (30, 2517), (31, 2526),

Gene: GMA6_75 Start: 59453, Stop: 59935, Start Num: 6

Candidate Starts for GMA6_75:

(Start: 6 @59453 has 11 MA's), (7, 59471), (12, 59606), (17, 59657), (20, 59687), (22, 59711), (24, 59726), (32, 59837), (36, 59906),

Gene: Gray_3 Start: 1913, Stop: 2374, Start Num: 6

Candidate Starts for Gray_3:

(3, 1853), (Start: 6 @1913 has 11 MA's), (7, 1931), (9, 2012), (11, 2066), (14, 2084), (16, 2099), (21, 2165), (23, 2177), (26, 2207), (28, 2243), (29, 2261), (31, 2285), (33, 2297), (34, 2318), (35, 2327), (37, 2369),

Gene: Hanem_3 Start: 1913, Stop: 2374, Start Num: 6

Candidate Starts for Hanem_3:

(3, 1853), (Start: 6 @1913 has 11 MA's), (7, 1931), (9, 2012), (11, 2066), (14, 2084), (16, 2099), (21, 2165), (23, 2177), (26, 2207), (28, 2243), (29, 2261), (31, 2285), (33, 2297), (34, 2318), (35, 2327), (37, 2369),

Gene: Kabocha_3 Start: 1913, Stop: 2374, Start Num: 6

Candidate Starts for Kabocha_3:

(3, 1853), (Start: 6 @1913 has 11 MA's), (7, 1931), (9, 2012), (11, 2066), (14, 2084), (16, 2099), (21, 2165), (23, 2177), (26, 2207), (28, 2243), (29, 2261), (31, 2285), (33, 2297), (34, 2318), (35, 2327), (37, 2369),

Gene: Lenoshki_3 Start: 1691, Stop: 2158, Start Num: 6

Candidate Starts for Lenoshki_3:

(Start: 6 @1691 has 11 MA's), (7, 1709), (9, 1790), (11, 1844), (14, 1862), (15, 1874), (16, 1877), (21, 1943), (23, 1955), (26, 1985), (31, 2063), (33, 2075), (34, 2096), (35, 2105), (37, 2153),

Gene: Mikronejon_3 Start: 1913, Stop: 2374, Start Num: 6

Candidate Starts for Mikronejon_3:

(3, 1853), (Start: 6 @1913 has 11 MA's), (7, 1931), (9, 2012), (11, 2066), (14, 2084), (16, 2099), (21, 2165), (23, 2177), (26, 2207), (28, 2243), (29, 2261), (31, 2285), (33, 2297), (34, 2318), (35, 2327), (37, 2369),

Gene: MintFritos_3 Start: 1913, Stop: 2374, Start Num: 6

Candidate Starts for MintFritos_3:

(3, 1853), (Start: 6 @1913 has 11 MA's), (7, 1931), (9, 2012), (11, 2066), (14, 2084), (16, 2099), (21, 2165), (23, 2177), (26, 2207), (28, 2243), (29, 2261), (31, 2285), (33, 2297), (34, 2318), (35, 2327), (37, 2369),

Gene: Oogie_3 Start: 1691, Stop: 2158, Start Num: 6

Candidate Starts for Oogie_3:

(Start: 6 @1691 has 11 MA's), (7, 1709), (9, 1790), (11, 1844), (14, 1862), (15, 1874), (16, 1877), (21, 1943), (23, 1955), (26, 1985), (31, 2063), (33, 2075), (34, 2096), (35, 2105), (37, 2153),

Gene: Pakusa_3 Start: 1691, Stop: 2158, Start Num: 6

Candidate Starts for Pakusa_3:

(Start: 6 @1691 has 11 MA's), (7, 1709), (9, 1790), (11, 1844), (14, 1862), (15, 1874), (16, 1877), (19, 1916), (21, 1943), (23, 1955), (26, 1985), (31, 2063), (33, 2075), (34, 2096), (35, 2105), (37, 2153),

Gene: ScarletRaider_3 Start: 2301, Stop: 2759, Start Num: 6

Candidate Starts for ScarletRaider_3:

(4, 2247), (Start: 6 @2301 has 11 MA's), (7, 2319), (8, 2352), (9, 2400), (10, 2427), (11, 2454), (13, 2463), (16, 2487), (19, 2526), (23, 2565), (26, 2595), (27, 2604), (29, 2649), (30, 2664), (31, 2673),

Gene: Schomber_3 Start: 1913, Stop: 2374, Start Num: 6

Candidate Starts for Schomber_3:

(3, 1853), (Start: 6 @1913 has 11 MA's), (7, 1931), (9, 2012), (11, 2066), (14, 2084), (16, 2099), (21, 2165), (23, 2177), (26, 2207), (28, 2243), (29, 2261), (31, 2285), (33, 2297), (34, 2318), (35, 2327), (37, 2369),

Gene: Toneprano_3 Start: 1913, Stop: 2374, Start Num: 6

Candidate Starts for Toneprano_3:

(3, 1853), (Start: 6 @1913 has 11 MA's), (7, 1931), (9, 2012), (11, 2066), (14, 2084), (16, 2099), (21, 2165), (23, 2177), (26, 2207), (28, 2243), (29, 2261), (31, 2285), (33, 2297), (34, 2318), (35, 2327), (37, 2369),

Gene: Twin_3 Start: 1913, Stop: 2374, Start Num: 6

Candidate Starts for Twin_3:

(3, 1853), (Start: 6 @1913 has 11 MA's), (7, 1931), (9, 2012), (11, 2066), (14, 2084), (16, 2099), (21, 2165), (23, 2177), (26, 2207), (28, 2243), (29, 2261), (31, 2285), (33, 2297), (34, 2318), (35, 2327), (37, 2369),

Gene: UBSmoodge_3 Start: 2280, Stop: 2738, Start Num: 6

Candidate Starts for UBSmoodge_3:

(1, 2199), (2, 2205), (5, 2274), (Start: 6 @2280 has 11 MA's), (7, 2298), (8, 2331), (9, 2379), (10, 2406), (11, 2433), (13, 2442), (16, 2466), (18, 2490), (19, 2505), (23, 2544), (26, 2574), (27, 2583), (29, 2628), (30, 2643), (31, 2652),