



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 2649 Report

This analysis was run 04/28/24 on database version 559.

Pham number 2649 has 35 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Minerva_6, Hannaconda_4, Courthouse_7, Ariel_6, Redno2_6, Bombitas_5, Kalah2_7, Yeet_5, Pound_6, ThreeRngTarjay_6, Schatzie_5, Superphikiman_7, NihilNomen_6
- Track 2 : Beem_7, Phoebus_7, Zelink_7, Halley_7, Bobby_8, JuicyJay_8, Odette_6, Dallas_6, EricMillard_7, Ejimix_8
- Track 3 : Dove_5
- Track 4 : MiaZeal_7, DmpstrDiver_6, Bagrid_5, Hughesyang_6, Lucky2013_7, Porcelain_7, Squint_7
- Track 5 : LittleE_7, Omega_9
- Track 6 : Wanda_7, Klein_7

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

The start number called the most often in the published annotations is 3, it was called in 32 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ariel_6, Bagrid_5, Beem_7, Bobby_8, Bombitas_5, Courthouse_7, Dallas_6, DmpstrDiver_6, Dove_5, Ejimix_8, EricMillard_7, Halley_7, Hannaconda_4, Hughesyang_6, JuicyJay_8, Kalah2_7, Klein_7, LittleE_7, Lucky2013_7, MiaZeal_7, Minerva_6, NihilNomen_6, Odette_6, Omega_9, Phoebus_7, Porcelain_7, Pound_6, Redno2_6, Schatzie_5, Squint_7, Superphikiman_7, ThreeRngTarjay_6, Wanda_7, Yeet_5, Zelink_7,

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 3:

- Found in 35 of 35 (100.0%) of genes in pham

- Manual Annotations of this start: 32 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ariel_6 (J), Bagrid_5 (J), Beem_7 (J), Bobby_8 (J), Bombitas_5 (J), Courthouse_7 (J), Dallas_6 (J), DmpstrDiver_6 (J), Dove_5 (J), Ejimix_8 (J), EricMillard_7 (J), Halley_7 (J), Hannaconda_4 (J), Hughesyang_6 (J), JuicyJay_8 (J), Kalah2_7 (J), Klein_7 (J), LittleE_7 (J), Lucky2013_7 (J), MiaZeal_7 (J), Minerva_6 (J), NihilNomen_6 (J), Odette_6 (J), Omega_9 (J), Phoebus_7 (J), Porcelain_7 (J), Pound_6 (J), Redno2_6 (J), Schatzie_5 (J), Squint_7 (J), Superphikiman_7 (J), ThreeRngTarjay_6 (J), Wanda_7 (J), Yeet_5 (J), Zelink_7 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:

- Start number 3 was manually annotated 32 times for cluster J.

Gene Information:

Gene: Ariel_6 Start: 2216, Stop: 2359, Start Num: 3

Candidate Starts for Ariel_6:

(1, 2075), (2, 2183), (Start: 3 @2216 has 32 MA's), (6, 2282),

Gene: Bagrid_5 Start: 1845, Stop: 1988, Start Num: 3

Candidate Starts for Bagrid_5:

(Start: 3 @1845 has 32 MA's),

Gene: Beem_7 Start: 2411, Stop: 2554, Start Num: 3

Candidate Starts for Beem_7:

(Start: 3 @2411 has 32 MA's), (6, 2477),

Gene: Bobby_8 Start: 3146, Stop: 3289, Start Num: 3

Candidate Starts for Bobby_8:

(Start: 3 @3146 has 32 MA's), (6, 3212),

Gene: Bombitas_5 Start: 1720, Stop: 1863, Start Num: 3

Candidate Starts for Bombitas_5:

(1, 1579), (2, 1687), (Start: 3 @1720 has 32 MA's), (6, 1786),

Gene: Courthouse_7 Start: 3015, Stop: 3158, Start Num: 3

Candidate Starts for Courthouse_7:

(1, 2874), (2, 2982), (Start: 3 @3015 has 32 MA's), (6, 3081),

Gene: Dallas_6 Start: 1950, Stop: 2093, Start Num: 3

Candidate Starts for Dallas_6:

(Start: 3 @1950 has 32 MA's), (6, 2016),

Gene: DmpstrDiver_6 Start: 2591, Stop: 2734, Start Num: 3

Candidate Starts for DmpstrDiver_6:

(Start: 3 @2591 has 32 MA's),

Gene: Dove_5 Start: 1719, Stop: 1862, Start Num: 3
Candidate Starts for Dove_5:
(1, 1578), (2, 1686), (Start: 3 @1719 has 32 MA's),

Gene: Ejimix_8 Start: 3161, Stop: 3304, Start Num: 3
Candidate Starts for Ejimix_8:
(Start: 3 @3161 has 32 MA's), (6, 3227),

Gene: EricMillard_7 Start: 2696, Stop: 2839, Start Num: 3
Candidate Starts for EricMillard_7:
(Start: 3 @2696 has 32 MA's), (6, 2762),

Gene: Halley_7 Start: 2411, Stop: 2554, Start Num: 3
Candidate Starts for Halley_7:
(Start: 3 @2411 has 32 MA's), (6, 2477),

Gene: Hannaconda_4 Start: 1695, Stop: 1838, Start Num: 3
Candidate Starts for Hannaconda_4:
(1, 1554), (2, 1662), (Start: 3 @1695 has 32 MA's), (6, 1761),

Gene: Hughesyang_6 Start: 2591, Stop: 2734, Start Num: 3
Candidate Starts for Hughesyang_6:
(Start: 3 @2591 has 32 MA's),

Gene: JuicyJay_8 Start: 3241, Stop: 3384, Start Num: 3
Candidate Starts for JuicyJay_8:
(Start: 3 @3241 has 32 MA's), (6, 3307),

Gene: Kalah2_7 Start: 3010, Stop: 3153, Start Num: 3
Candidate Starts for Kalah2_7:
(1, 2869), (2, 2977), (Start: 3 @3010 has 32 MA's), (6, 3076),

Gene: Klein_7 Start: 2995, Stop: 3138, Start Num: 3
Candidate Starts for Klein_7:
(Start: 3 @2995 has 32 MA's), (6, 3061),

Gene: LittleE_7 Start: 2562, Stop: 2717, Start Num: 3
Candidate Starts for LittleE_7:
(Start: 3 @2562 has 32 MA's), (4, 2598), (5, 2619),

Gene: Lucky2013_7 Start: 2765, Stop: 2908, Start Num: 3
Candidate Starts for Lucky2013_7:
(Start: 3 @2765 has 32 MA's),

Gene: MiaZeal_7 Start: 2834, Stop: 2977, Start Num: 3
Candidate Starts for MiaZeal_7:
(Start: 3 @2834 has 32 MA's),

Gene: Minerva_6 Start: 2470, Stop: 2613, Start Num: 3
Candidate Starts for Minerva_6:
(1, 2329), (2, 2437), (Start: 3 @2470 has 32 MA's), (6, 2536),

Gene: NihilNomen_6 Start: 2470, Stop: 2613, Start Num: 3
Candidate Starts for NihilNomen_6:
(1, 2329), (2, 2437), (Start: 3 @2470 has 32 MA's), (6, 2536),

Gene: Odette_6 Start: 1949, Stop: 2092, Start Num: 3
Candidate Starts for Odette_6:
(Start: 3 @1949 has 32 MA's), (6, 2015),

Gene: Omega_9 Start: 3907, Stop: 4062, Start Num: 3
Candidate Starts for Omega_9:
(Start: 3 @3907 has 32 MA's), (4, 3943), (5, 3964),

Gene: Phoebus_7 Start: 2696, Stop: 2839, Start Num: 3
Candidate Starts for Phoebus_7:
(Start: 3 @2696 has 32 MA's), (6, 2762),

Gene: Porcelain_7 Start: 2834, Stop: 2977, Start Num: 3
Candidate Starts for Porcelain_7:
(Start: 3 @2834 has 32 MA's),

Gene: Pound_6 Start: 2466, Stop: 2609, Start Num: 3
Candidate Starts for Pound_6:
(1, 2325), (2, 2433), (Start: 3 @2466 has 32 MA's), (6, 2532),

Gene: Redno2_6 Start: 2181, Stop: 2324, Start Num: 3
Candidate Starts for Redno2_6:
(1, 2040), (2, 2148), (Start: 3 @2181 has 32 MA's), (6, 2247),

Gene: Schatzie_5 Start: 1720, Stop: 1863, Start Num: 3
Candidate Starts for Schatzie_5:
(1, 1579), (2, 1687), (Start: 3 @1720 has 32 MA's), (6, 1786),

Gene: Squint_7 Start: 2765, Stop: 2908, Start Num: 3
Candidate Starts for Squint_7:
(Start: 3 @2765 has 32 MA's),

Gene: Superphikiman_7 Start: 3015, Stop: 3158, Start Num: 3
Candidate Starts for Superphikiman_7:
(1, 2874), (2, 2982), (Start: 3 @3015 has 32 MA's), (6, 3081),

Gene: ThreeRngTarjay_6 Start: 2466, Stop: 2609, Start Num: 3
Candidate Starts for ThreeRngTarjay_6:
(1, 2325), (2, 2433), (Start: 3 @2466 has 32 MA's), (6, 2532),

Gene: Wanda_7 Start: 2995, Stop: 3138, Start Num: 3
Candidate Starts for Wanda_7:
(Start: 3 @2995 has 32 MA's), (6, 3061),

Gene: Yeet_5 Start: 1720, Stop: 1863, Start Num: 3
Candidate Starts for Yeet_5:
(1, 1579), (2, 1687), (Start: 3 @1720 has 32 MA's), (6, 1786),

Gene: Zelink_7 Start: 2494, Stop: 2637, Start Num: 3

Candidate Starts for Zelink_7:
(Start: 3 @2494 has 32 MA's), (6, 2560),