



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 3157 Report

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

Pham number 3157 has 25 members, 1 are drafts.

Phages represented in each track:

- Track 1 : NihilNomen_53, Wanda_60, Ejimix_54, KashFlow_47, Bagrid_53, Phoebus_53, Minerva_60, Duke13_57, EricMillard_54, Yeet_52, Bombitas_51, Optimus_59, Beem_54, Halley_54, HokkenD_47, Redno2_51, ThreeRngTarjay_52, BAKA_58, Klein_54, Hannaconda_50, Hughesyang_52
- Track 2 : Pound_56, JuicyJay_55
- Track 3 : Dallas_55, Zelink_54

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

The start number called the most often in the published annotations is 7, it was called in 20 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BAKA_58, Bagrid_53, Beem_54, Bombitas_51, Duke13_57, Ejimix_54, EricMillard_54, Halley_54, Hannaconda_50, HokkenD_47, Hughesyang_52, KashFlow_47, Klein_54, Minerva_60, NihilNomen_53, Optimus_59, Phoebus_53, Redno2_51, ThreeRngTarjay_52, Wanda_60, Yeet_52,

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

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

- Dallas_55, JuicyJay_55, Pound_56, Zelink_54,

Summary by start number:

Start 6:

- Found in 4 of 25 (16.0%) of genes in pham
- Manual Annotations of this start: 4 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dallas_55 (J), JuicyJay_55 (J), Pound_56 (J), Zelink_54 (J),

Start 7:

- Found in 21 of 25 (84.0%) of genes in pham
- Manual Annotations of this start: 20 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BAKA_58 (J), Bagrid_53 (J), Beem_54 (J), Bombitas_51 (J), Duke13_57 (J), Ejimix_54 (J), EricMillard_54 (J), Halley_54 (J), Hannaconda_50 (J), HokkenD_47 (J), Hughesyang_52 (J), KashFlow_47 (J), Klein_54 (J), Minerva_60 (J), NihilNomen_53 (J), Optimus_59 (J), Phoebus_53 (J), Redno2_51 (J), ThreeRngTarjay_52 (J), Wanda_60 (J), Yeet_52 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:

- Start number 6 was manually annotated 4 times for cluster J.
- Start number 7 was manually annotated 20 times for cluster J.

Gene Information:

Gene: BAKA_58 Start: 45058, Stop: 44867, Start Num: 7

Candidate Starts for BAKA_58:

(Start: 7 @45058 has 20 MA's), (8, 45049), (9, 45001), (10, 44983), (11, 44950),

Gene: Bagrid_53 Start: 44391, Stop: 44200, Start Num: 7

Candidate Starts for Bagrid_53:

(Start: 7 @44391 has 20 MA's), (8, 44382), (9, 44334), (10, 44316), (11, 44283),

Gene: Beem_54 Start: 44957, Stop: 44766, Start Num: 7

Candidate Starts for Beem_54:

(Start: 7 @44957 has 20 MA's), (8, 44948), (9, 44900), (10, 44882), (11, 44849),

Gene: Bombitas_51 Start: 44552, Stop: 44361, Start Num: 7

Candidate Starts for Bombitas_51:

(Start: 7 @44552 has 20 MA's), (8, 44543), (9, 44495), (10, 44477), (11, 44444),

Gene: Dallas_55 Start: 44347, Stop: 44132, Start Num: 6

Candidate Starts for Dallas_55:

(4, 44425), (5, 44398), (Start: 6 @44347 has 4 MA's), (9, 44266), (10, 44248), (11, 44215),

Gene: Duke13_57 Start: 44824, Stop: 44633, Start Num: 7

Candidate Starts for Duke13_57:

(Start: 7 @44824 has 20 MA's), (8, 44815), (9, 44767), (10, 44749), (11, 44716),

Gene: Ejimix_54 Start: 45742, Stop: 45551, Start Num: 7

Candidate Starts for Ejimix_54:

(Start: 7 @45742 has 20 MA's), (8, 45733), (9, 45685), (10, 45667), (11, 45634),

Gene: EricMillard_54 Start: 45243, Stop: 45052, Start Num: 7

Candidate Starts for EricMillard_54:

(Start: 7 @45243 has 20 MA's), (8, 45234), (9, 45186), (10, 45168), (11, 45135),

Gene: Halley_54 Start: 44956, Stop: 44765, Start Num: 7

Candidate Starts for Halley_54:

(Start: 7 @44956 has 20 MA's), (8, 44947), (9, 44899), (10, 44881), (11, 44848),

Gene: Hannaconda_50 Start: 39445, Stop: 39254, Start Num: 7

Candidate Starts for Hannaconda_50:

(Start: 7 @39445 has 20 MA's), (8, 39436), (9, 39388), (10, 39370), (11, 39337),

Gene: HokkenD_47 Start: 43225, Stop: 43034, Start Num: 7

Candidate Starts for HokkenD_47:

(Start: 7 @43225 has 20 MA's), (8, 43216), (9, 43168), (10, 43150), (11, 43117),

Gene: Hughesyang_52 Start: 44885, Stop: 44694, Start Num: 7

Candidate Starts for Hughesyang_52:

(Start: 7 @44885 has 20 MA's), (8, 44876), (9, 44828), (10, 44810), (11, 44777),

Gene: JuicyJay_55 Start: 46560, Stop: 46345, Start Num: 6

Candidate Starts for JuicyJay_55:

(1, 46791), (2, 46773), (3, 46683), (4, 46638), (5, 46611), (Start: 6 @46560 has 4 MA's), (9, 46479), (10, 46461), (11, 46428),

Gene: KashFlow_47 Start: 39066, Stop: 38875, Start Num: 7

Candidate Starts for KashFlow_47:

(Start: 7 @39066 has 20 MA's), (8, 39057), (9, 39009), (10, 38991), (11, 38958),

Gene: Klein_54 Start: 44523, Stop: 44332, Start Num: 7

Candidate Starts for Klein_54:

(Start: 7 @44523 has 20 MA's), (8, 44514), (9, 44466), (10, 44448), (11, 44415),

Gene: Minerva_60 Start: 46373, Stop: 46182, Start Num: 7

Candidate Starts for Minerva_60:

(Start: 7 @46373 has 20 MA's), (8, 46364), (9, 46316), (10, 46298), (11, 46265),

Gene: NihilNomen_53 Start: 45043, Stop: 44852, Start Num: 7

Candidate Starts for NihilNomen_53:

(Start: 7 @45043 has 20 MA's), (8, 45034), (9, 44986), (10, 44968), (11, 44935),

Gene: Optimus_59 Start: 45958, Stop: 45767, Start Num: 7

Candidate Starts for Optimus_59:

(Start: 7 @45958 has 20 MA's), (8, 45949), (9, 45901), (10, 45883), (11, 45850),

Gene: Phoebus_53 Start: 45244, Stop: 45053, Start Num: 7

Candidate Starts for Phoebus_53:

(Start: 7 @45244 has 20 MA's), (8, 45235), (9, 45187), (10, 45169), (11, 45136),

Gene: Pound_56 Start: 46845, Stop: 46630, Start Num: 6

Candidate Starts for Pound_56:

(1, 47076), (2, 47058), (3, 46968), (4, 46923), (5, 46896), (Start: 6 @46845 has 4 MA's), (9, 46764), (10, 46746), (11, 46713),

Gene: Redno2_51 Start: 41839, Stop: 41648, Start Num: 7

Candidate Starts for Redno2_51:

(Start: 7 @41839 has 20 MA's), (8, 41830), (9, 41782), (10, 41764), (11, 41731),

Gene: ThreeRngTarjay_52 Start: 45120, Stop: 44929, Start Num: 7

Candidate Starts for ThreeRngTarjay_52:

(Start: 7 @45120 has 20 MA's), (8, 45111), (9, 45063), (10, 45045), (11, 45012),

Gene: Wanda_60 Start: 44832, Stop: 44641, Start Num: 7

Candidate Starts for Wanda_60:

(Start: 7 @44832 has 20 MA's), (8, 44823), (9, 44775), (10, 44757), (11, 44724),

Gene: Yeet_52 Start: 44252, Stop: 44061, Start Num: 7

Candidate Starts for Yeet_52:

(Start: 7 @44252 has 20 MA's), (8, 44243), (9, 44195), (10, 44177), (11, 44144),

Gene: Zelink_54 Start: 45902, Stop: 45687, Start Num: 6

Candidate Starts for Zelink_54:

(4, 45980), (5, 45953), (Start: 6 @45902 has 4 MA's), (9, 45821), (10, 45803), (11, 45770),