



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 3039 Report

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

Pham number 3039 has 29 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Minerva_3, HokkenD_3, Dove_2, DmpstrDiver_3, Optimus_3, Phoebus_3, Hughesyang_3, Bagrid_2, Yeet_2, Pound_3, Odette_2, BAKA_3, ThreeRngTarjay_3, Thibault_3, Constella_2, Bombitas_2, Schatzie_2, Duke13_3, Dallas_2, NihilNomen_3, EricMillard_3
- Track 2 : Zelink_3, Courthouse_4, Ariel_3, JuicyJay_4, Kalah2_4, Wanda_4, Superphikiman_4, Klein_4

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

The start number called the most often in the published annotations is 1, it was called in 18 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BAKA_3, Bagrid_2, Bombitas_2, Constella_2, Dallas_2, DmpstrDiver_3, Dove_2, Duke13_3, EricMillard_3, HokkenD_3, Hughesyang_3, Minerva_3, NihilNomen_3, Odette_2, Optimus_3, Phoebus_3, Pound_3, Schatzie_2, Thibault_3, ThreeRngTarjay_3, Yeet_2,

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:

- Ariel_3, Courthouse_4, JuicyJay_4, Kalah2_4, Klein_4, Superphikiman_4, Wanda_4, Zelink_3,

Summary by start number:

Start 1:

- Found in 21 of 29 (72.4%) of genes in pham
- Manual Annotations of this start: 18 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BAKA_3 (J), Bagrid_2 (J), Bombitas_2 (J), Constella_2 (J), Dallas_2 (J), DmpstrDiver_3 (J), Dove_2 (J), Duke13_3 (J), EricMillard_3 (J), HokkenD_3 (J), Hughesyang_3 (J), Minerva_3 (J), NihilNomen_3

(J), Odette_2 (J), Optimus_3 (J), Phoebus_3 (J), Pound_3 (J), Schatzie_2 (J), Thibault_3 (J), ThreeRngTarjay_3 (J), Yeet_2 (J),

Start 2:

- Found in 8 of 29 (27.6%) of genes in pham
- Manual Annotations of this start: 8 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ariel_3 (J), Courthouse_4 (J), JuicyJay_4 (J), Kalah2_4 (J), Klein_4 (J), Superphikiman_4 (J), Wanda_4 (J), Zelink_3 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:

- Start number 1 was manually annotated 18 times for cluster J.
- Start number 2 was manually annotated 8 times for cluster J.

Gene Information:

Gene: Ariel_3 Start: 1404, Stop: 1637, Start Num: 2

Candidate Starts for Ariel_3:

(Start: 2 @1404 has 8 MA's), (3, 1470), (5, 1515), (6, 1527), (8, 1599),

Gene: BAKA_3 Start: 1708, Stop: 1959, Start Num: 1

Candidate Starts for BAKA_3:

(Start: 1 @1708 has 18 MA's), (4, 1783), (5, 1837), (6, 1849), (7, 1870), (8, 1921),

Gene: Bagrid_2 Start: 890, Stop: 1141, Start Num: 1

Candidate Starts for Bagrid_2:

(Start: 1 @890 has 18 MA's), (4, 965), (5, 1019), (6, 1031), (7, 1052), (8, 1103),

Gene: Bombitas_2 Start: 890, Stop: 1141, Start Num: 1

Candidate Starts for Bombitas_2:

(Start: 1 @890 has 18 MA's), (4, 965), (5, 1019), (6, 1031), (7, 1052), (8, 1103),

Gene: Constella_2 Start: 889, Stop: 1140, Start Num: 1

Candidate Starts for Constella_2:

(Start: 1 @889 has 18 MA's), (4, 964), (5, 1018), (6, 1030), (7, 1051), (8, 1102),

Gene: Courthouse_4 Start: 2203, Stop: 2436, Start Num: 2

Candidate Starts for Courthouse_4:

(Start: 2 @2203 has 8 MA's), (3, 2269), (5, 2314), (6, 2326), (8, 2398),

Gene: Dallas_2 Start: 890, Stop: 1141, Start Num: 1

Candidate Starts for Dallas_2:

(Start: 1 @890 has 18 MA's), (4, 965), (5, 1019), (6, 1031), (7, 1052), (8, 1103),

Gene: DmpstrDiver_3 Start: 1636, Stop: 1887, Start Num: 1

Candidate Starts for DmpstrDiver_3:

(Start: 1 @1636 has 18 MA's), (4, 1711), (5, 1765), (6, 1777), (7, 1798), (8, 1849),

Gene: Dove_2 Start: 889, Stop: 1140, Start Num: 1

Candidate Starts for Dove_2:

(Start: 1 @889 has 18 MA's), (4, 964), (5, 1018), (6, 1030), (7, 1051), (8, 1102),

Gene: Duke13_3 Start: 1636, Stop: 1887, Start Num: 1

Candidate Starts for Duke13_3:

(Start: 1 @1636 has 18 MA's), (4, 1711), (5, 1765), (6, 1777), (7, 1798), (8, 1849),

Gene: EricMillard_3 Start: 1636, Stop: 1887, Start Num: 1

Candidate Starts for EricMillard_3:

(Start: 1 @1636 has 18 MA's), (4, 1711), (5, 1765), (6, 1777), (7, 1798), (8, 1849),

Gene: HokkenD_3 Start: 1639, Stop: 1890, Start Num: 1

Candidate Starts for HokkenD_3:

(Start: 1 @1639 has 18 MA's), (4, 1714), (5, 1768), (6, 1780), (7, 1801), (8, 1852),

Gene: Hughesyang_3 Start: 1636, Stop: 1887, Start Num: 1

Candidate Starts for Hughesyang_3:

(Start: 1 @1636 has 18 MA's), (4, 1711), (5, 1765), (6, 1777), (7, 1798), (8, 1849),

Gene: JuicyJay_4 Start: 2202, Stop: 2435, Start Num: 2

Candidate Starts for JuicyJay_4:

(Start: 2 @2202 has 8 MA's), (3, 2268), (5, 2313), (6, 2325), (8, 2397),

Gene: Kalah2_4 Start: 2198, Stop: 2431, Start Num: 2

Candidate Starts for Kalah2_4:

(Start: 2 @2198 has 8 MA's), (3, 2264), (5, 2309), (6, 2321), (8, 2393),

Gene: Klein_4 Start: 2202, Stop: 2435, Start Num: 2

Candidate Starts for Klein_4:

(Start: 2 @2202 has 8 MA's), (3, 2268), (5, 2313), (6, 2325), (8, 2397),

Gene: Minerva_3 Start: 1640, Stop: 1891, Start Num: 1

Candidate Starts for Minerva_3:

(Start: 1 @1640 has 18 MA's), (4, 1715), (5, 1769), (6, 1781), (7, 1802), (8, 1853),

Gene: NihilNomen_3 Start: 1640, Stop: 1891, Start Num: 1

Candidate Starts for NihilNomen_3:

(Start: 1 @1640 has 18 MA's), (4, 1715), (5, 1769), (6, 1781), (7, 1802), (8, 1853),

Gene: Odette_2 Start: 889, Stop: 1140, Start Num: 1

Candidate Starts for Odette_2:

(Start: 1 @889 has 18 MA's), (4, 964), (5, 1018), (6, 1030), (7, 1051), (8, 1102),

Gene: Optimus_3 Start: 1636, Stop: 1887, Start Num: 1

Candidate Starts for Optimus_3:

(Start: 1 @1636 has 18 MA's), (4, 1711), (5, 1765), (6, 1777), (7, 1798), (8, 1849),

Gene: Phoebus_3 Start: 1636, Stop: 1887, Start Num: 1

Candidate Starts for Phoebus_3:

(Start: 1 @1636 has 18 MA's), (4, 1711), (5, 1765), (6, 1777), (7, 1798), (8, 1849),

Gene: Pound_3 Start: 1636, Stop: 1887, Start Num: 1

Candidate Starts for Pound_3:

(Start: 1 @1636 has 18 MA's), (4, 1711), (5, 1765), (6, 1777), (7, 1798), (8, 1849),

Gene: Schatzie_2 Start: 890, Stop: 1141, Start Num: 1

Candidate Starts for Schatzie_2:

(Start: 1 @890 has 18 MA's), (4, 965), (5, 1019), (6, 1031), (7, 1052), (8, 1103),

Gene: Superphikiman_4 Start: 2203, Stop: 2436, Start Num: 2

Candidate Starts for Superphikiman_4:

(Start: 2 @2203 has 8 MA's), (3, 2269), (5, 2314), (6, 2326), (8, 2398),

Gene: Thibault_3 Start: 1636, Stop: 1887, Start Num: 1

Candidate Starts for Thibault_3:

(Start: 1 @1636 has 18 MA's), (4, 1711), (5, 1765), (6, 1777), (7, 1798), (8, 1849),

Gene: ThreeRngTarjay_3 Start: 1636, Stop: 1887, Start Num: 1

Candidate Starts for ThreeRngTarjay_3:

(Start: 1 @1636 has 18 MA's), (4, 1711), (5, 1765), (6, 1777), (7, 1798), (8, 1849),

Gene: Wanda_4 Start: 2202, Stop: 2435, Start Num: 2

Candidate Starts for Wanda_4:

(Start: 2 @2202 has 8 MA's), (3, 2268), (5, 2313), (6, 2325), (8, 2397),

Gene: Yeet_2 Start: 890, Stop: 1141, Start Num: 1

Candidate Starts for Yeet_2:

(Start: 1 @890 has 18 MA's), (4, 965), (5, 1019), (6, 1031), (7, 1052), (8, 1103),

Gene: Zelink_3 Start: 1452, Stop: 1685, Start Num: 2

Candidate Starts for Zelink_3:

(Start: 2 @1452 has 8 MA's), (3, 1518), (5, 1563), (6, 1575), (8, 1647),