



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 296680 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296680 has 47 members, 13 are drafts.

Phages represented in each track:

- Track 1 : HelDan_18, Roimos_18, Kachowdy_18, JF2_18, Rockstar_18, Clammy_18, BabyJohn_17, Bugatti_18, Giroux_19, Pistachio_19, Fred313_18, Isca_18, Zarafa_18, Heathen_18, Phantastic_18, Chiqui_17, Puppy_19, JF4_18, DropBear_18, Idleandcovert_18, TNguyen7_18, MK4_18, Scout_18, BlueBird_19, Marchesa_18, B1_16, MA5_18, SaturnRing_18
- Track 2 : BabyRay_18
- Track 3 : Norbert_18, Noella_19, ResDef_19, Todacoro_19, Lambert1_19, QuinnKiro_18, Margo_19, Texage_18, Popcicle_19, Caviar_19, EtoileNova_19, Veracruz_18, Hookmount_19, Pocahontas_19
- Track 4 : PP_28
- Track 5 : Toro_21, FlyCatcher_22, Sheen_20

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

The start number called the most often in the published annotations is 2, it was called in 34 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- B1_16, BabyJohn_17, BabyRay_18, BlueBird_19, Bugatti_18, Caviar_19, Chiqui_17, Clammy_18, DropBear_18, EtoileNova_19, FlyCatcher_22, Fred313_18, Giroux_19, Heathen_18, HelDan_18, Hookmount_19, Idleandcovert_18, Isca_18, JF2_18, JF4_18, Kachowdy_18, Lambert1_19, MA5_18, MK4_18, Marchesa_18, Margo_19, Noella_19, Norbert_18, PP_28, Phantastic_18, Pistachio_19, Pocahontas_19, Popcicle_19, Puppy_19, QuinnKiro_18, ResDef_19, Rockstar_18, Roimos_18, SaturnRing_18, Scout_18, Sheen_20, TNguyen7_18, Texage_18, Todacoro_19, Toro_21, Veracruz_18, Zarafa_18,

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 2:

- Found in 47 of 47 (100.0%) of genes in pham
- Manual Annotations of this start: 34 of 34
- Called 100.0% of time when present
- Phage (with cluster) where this start called: B1_16 (A3), BabyJohn_17 (A3), BabyRay_18 (A3), BlueBird_19 (A3), Bugatti_18 (A3), Caviar_19 (A3), Chiqui_17 (A3), Clammy_18 (A3), DropBear_18 (A3), EtoileNova_19 (A3), FlyCatcher_22 (A7), Fred313_18 (A3), Giroux_19 (A3), Heathen_18 (A3), HelDan_18 (A3), Hookmount_19 (A3), Idleandcovert_18 (A3), Isca_18 (A3), JF2_18 (A3), JF4_18 (A3), Kachowdy_18 (A3), Lambert1_19 (A3), MA5_18 (A3), MK4_18 (A3), Marchesa_18 (A3), Margo_19 (A3), Noella_19 (A3), Norbert_18 (A3), PP_28 (A7), Phantastic_18 (A3), Pistachio_19 (A3), Pocahontas_19 (A3), Popcicle_19 (A3), Puppy_19 (A3), QuinnKiro_18 (A3), ResDef_19 (A3), Rockstar_18 (A3), Roimos_18 (A3), SaturnRing_18 (A3), Scout_18 (A3), Sheen_20 (A7), TNguyen7_18 (A3), Texage_18 (A3), Todacoro_19 (A3), Toro_21 (A7), Veracruz_18 (A3), Zarafa_18 (A3),

Summary by clusters:

There are 2 clusters represented in this pham: A3, A7,

Info for manual annotations of cluster A3:

- Start number 2 was manually annotated 32 times for cluster A3.

Info for manual annotations of cluster A7:

- Start number 2 was manually annotated 2 times for cluster A7.

Gene Information:

Gene: B1_16 Start: 12367, Stop: 12501, Start Num: 2

Candidate Starts for B1_16:

(1, 12301), (Start: 2 @12367 has 34 MA's),

Gene: BabyJohn_17 Start: 12951, Stop: 13088, Start Num: 2

Candidate Starts for BabyJohn_17:

(1, 12885), (Start: 2 @12951 has 34 MA's),

Gene: BabyRay_18 Start: 12940, Stop: 13074, Start Num: 2

Candidate Starts for BabyRay_18:

(1, 12874), (Start: 2 @12940 has 34 MA's),

Gene: BlueBird_19 Start: 12714, Stop: 12848, Start Num: 2

Candidate Starts for BlueBird_19:

(1, 12648), (Start: 2 @12714 has 34 MA's),

Gene: Bugatti_18 Start: 12714, Stop: 12848, Start Num: 2

Candidate Starts for Bugatti_18:

(1, 12648), (Start: 2 @12714 has 34 MA's),

Gene: Caviar_19 Start: 13255, Stop: 13386, Start Num: 2

Candidate Starts for Caviar_19:

(1, 13189), (Start: 2 @13255 has 34 MA's), (4, 13285),

Gene: Chiqui_17 Start: 12951, Stop: 13088, Start Num: 2

Candidate Starts for Chiqui_17:

(1, 12885), (Start: 2 @12951 has 34 MA's),

Gene: Clammy_18 Start: 12714, Stop: 12848, Start Num: 2

Candidate Starts for Clammy_18:

(1, 12648), (Start: 2 @12714 has 34 MA's),

Gene: DropBear_18 Start: 12774, Stop: 12908, Start Num: 2

Candidate Starts for DropBear_18:

(1, 12708), (Start: 2 @12774 has 34 MA's),

Gene: EtoileNova_19 Start: 13258, Stop: 13389, Start Num: 2

Candidate Starts for EtoileNova_19:

(1, 13192), (Start: 2 @13258 has 34 MA's), (4, 13288),

Gene: FlyCatcher_22 Start: 14707, Stop: 14862, Start Num: 2

Candidate Starts for FlyCatcher_22:

(1, 14641), (Start: 2 @14707 has 34 MA's),

Gene: Fred313_18 Start: 12432, Stop: 12566, Start Num: 2

Candidate Starts for Fred313_18:

(1, 12366), (Start: 2 @12432 has 34 MA's),

Gene: Giroux_19 Start: 12714, Stop: 12848, Start Num: 2

Candidate Starts for Giroux_19:

(1, 12648), (Start: 2 @12714 has 34 MA's),

Gene: Heathen_18 Start: 12515, Stop: 12649, Start Num: 2

Candidate Starts for Heathen_18:

(1, 12449), (Start: 2 @12515 has 34 MA's),

Gene: HelDan_18 Start: 12767, Stop: 12901, Start Num: 2

Candidate Starts for HelDan_18:

(1, 12701), (Start: 2 @12767 has 34 MA's),

Gene: Hookmount_19 Start: 13255, Stop: 13386, Start Num: 2

Candidate Starts for Hookmount_19:

(1, 13189), (Start: 2 @13255 has 34 MA's), (4, 13285),

Gene: Idleandcovert_18 Start: 12714, Stop: 12848, Start Num: 2

Candidate Starts for Idleandcovert_18:

(1, 12648), (Start: 2 @12714 has 34 MA's),

Gene: Isca_18 Start: 12602, Stop: 12736, Start Num: 2

Candidate Starts for Isca_18:

(1, 12536), (Start: 2 @12602 has 34 MA's),

Gene: JF2_18 Start: 12367, Stop: 12501, Start Num: 2

Candidate Starts for JF2_18:

(1, 12301), (Start: 2 @12367 has 34 MA's),

Gene: JF4_18 Start: 12367, Stop: 12501, Start Num: 2

Candidate Starts for JF4_18:

(1, 12301), (Start: 2 @12367 has 34 MA's),

Gene: Kachowdy_18 Start: 12767, Stop: 12901, Start Num: 2

Candidate Starts for Kachowdy_18:

(1, 12701), (Start: 2 @12767 has 34 MA's),

Gene: Lambert1_19 Start: 13255, Stop: 13386, Start Num: 2

Candidate Starts for Lambert1_19:

(1, 13189), (Start: 2 @13255 has 34 MA's), (4, 13285),

Gene: MA5_18 Start: 12311, Stop: 12445, Start Num: 2

Candidate Starts for MA5_18:

(1, 12245), (Start: 2 @12311 has 34 MA's),

Gene: MK4_18 Start: 12601, Stop: 12735, Start Num: 2

Candidate Starts for MK4_18:

(1, 12535), (Start: 2 @12601 has 34 MA's),

Gene: Marchesa_18 Start: 12765, Stop: 12899, Start Num: 2

Candidate Starts for Marchesa_18:

(1, 12699), (Start: 2 @12765 has 34 MA's),

Gene: Margo_19 Start: 13280, Stop: 13411, Start Num: 2

Candidate Starts for Margo_19:

(1, 13214), (Start: 2 @13280 has 34 MA's), (4, 13310),

Gene: Noella_19 Start: 13255, Stop: 13386, Start Num: 2

Candidate Starts for Noella_19:

(1, 13189), (Start: 2 @13255 has 34 MA's), (4, 13285),

Gene: Norbert_18 Start: 13255, Stop: 13386, Start Num: 2

Candidate Starts for Norbert_18:

(1, 13189), (Start: 2 @13255 has 34 MA's), (4, 13285),

Gene: PP_28 Start: 18919, Stop: 19077, Start Num: 2

Candidate Starts for PP_28:

(1, 18853), (Start: 2 @18919 has 34 MA's), (3, 18940), (5, 18985), (6, 19054),

Gene: Phantastic_18 Start: 12680, Stop: 12814, Start Num: 2

Candidate Starts for Phantastic_18:

(1, 12614), (Start: 2 @12680 has 34 MA's),

Gene: Pistachio_19 Start: 12261, Stop: 12395, Start Num: 2

Candidate Starts for Pistachio_19:

(1, 12195), (Start: 2 @12261 has 34 MA's),

Gene: Pocahontas_19 Start: 13252, Stop: 13383, Start Num: 2

Candidate Starts for Pocahontas_19:

(1, 13186), (Start: 2 @13252 has 34 MA's), (4, 13282),

Gene: Popcicle_19 Start: 13252, Stop: 13383, Start Num: 2
Candidate Starts for Popcicle_19:
(1, 13186), (Start: 2 @13252 has 34 MA's), (4, 13282),

Gene: Puppy_19 Start: 12333, Stop: 12467, Start Num: 2
Candidate Starts for Puppy_19:
(1, 12267), (Start: 2 @12333 has 34 MA's),

Gene: QuinnKiro_18 Start: 13255, Stop: 13386, Start Num: 2
Candidate Starts for QuinnKiro_18:
(1, 13189), (Start: 2 @13255 has 34 MA's), (4, 13285),

Gene: ResDef_19 Start: 13255, Stop: 13386, Start Num: 2
Candidate Starts for ResDef_19:
(1, 13189), (Start: 2 @13255 has 34 MA's), (4, 13285),

Gene: Rockstar_18 Start: 12607, Stop: 12741, Start Num: 2
Candidate Starts for Rockstar_18:
(1, 12541), (Start: 2 @12607 has 34 MA's),

Gene: Roimos_18 Start: 12683, Stop: 12817, Start Num: 2
Candidate Starts for Roimos_18:
(1, 12617), (Start: 2 @12683 has 34 MA's),

Gene: SaturnRing_18 Start: 12714, Stop: 12848, Start Num: 2
Candidate Starts for SaturnRing_18:
(1, 12648), (Start: 2 @12714 has 34 MA's),

Gene: Scout_18 Start: 12014, Stop: 12148, Start Num: 2
Candidate Starts for Scout_18:
(1, 11948), (Start: 2 @12014 has 34 MA's),

Gene: Sheen_20 Start: 14765, Stop: 14920, Start Num: 2
Candidate Starts for Sheen_20:
(1, 14699), (Start: 2 @14765 has 34 MA's),

Gene: TNguyen7_18 Start: 12684, Stop: 12818, Start Num: 2
Candidate Starts for TNguyen7_18:
(1, 12618), (Start: 2 @12684 has 34 MA's),

Gene: Texage_18 Start: 13255, Stop: 13386, Start Num: 2
Candidate Starts for Texage_18:
(1, 13189), (Start: 2 @13255 has 34 MA's), (4, 13285),

Gene: Todacoro_19 Start: 13255, Stop: 13386, Start Num: 2
Candidate Starts for Todacoro_19:
(1, 13189), (Start: 2 @13255 has 34 MA's), (4, 13285),

Gene: Toro_21 Start: 14707, Stop: 14862, Start Num: 2
Candidate Starts for Toro_21:
(1, 14641), (Start: 2 @14707 has 34 MA's),

Gene: Veracruz_18 Start: 13255, Stop: 13386, Start Num: 2

Candidate Starts for Veracruz_18:

(1, 13189), (Start: 2 @13255 has 34 MA's), (4, 13285),

Gene: Zarafa_18 Start: 12776, Stop: 12910, Start Num: 2

Candidate Starts for Zarafa_18:

(1, 12710), (Start: 2 @12776 has 34 MA's),