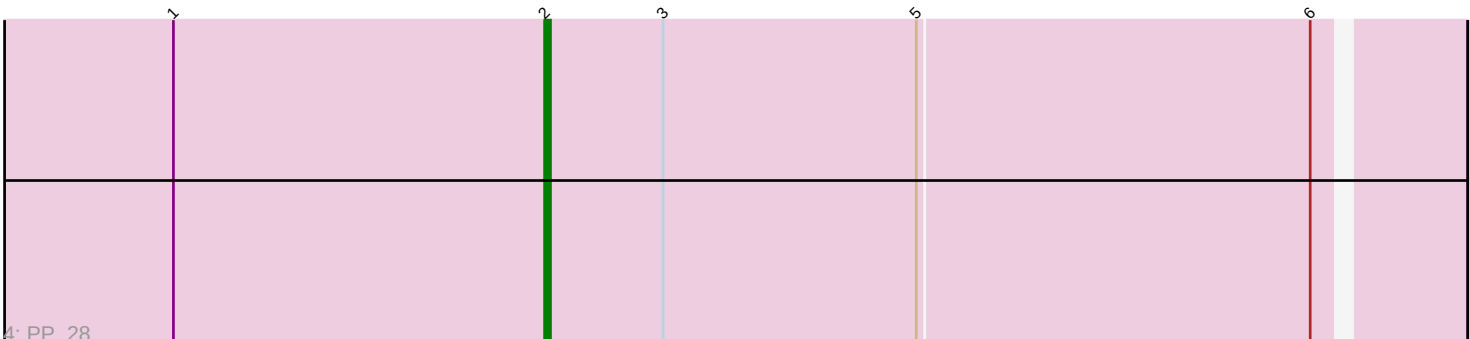
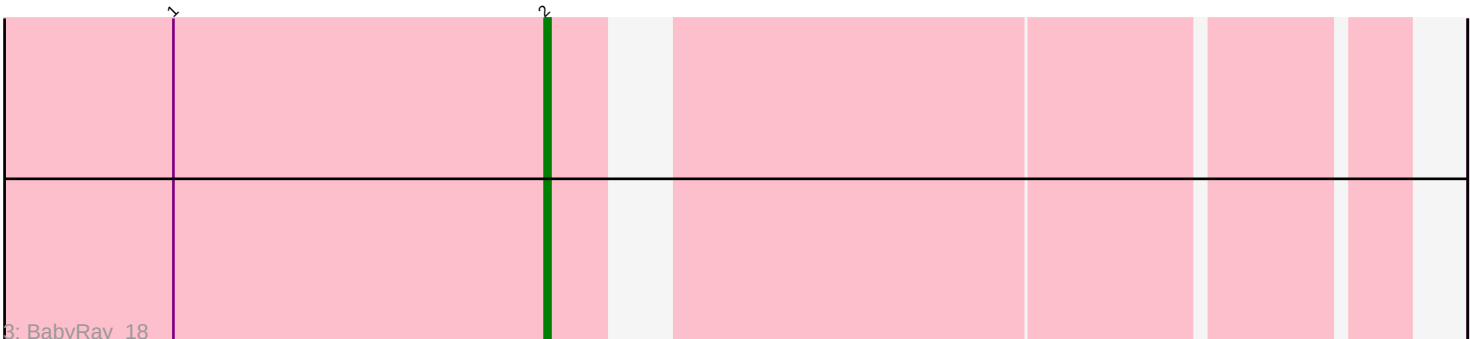
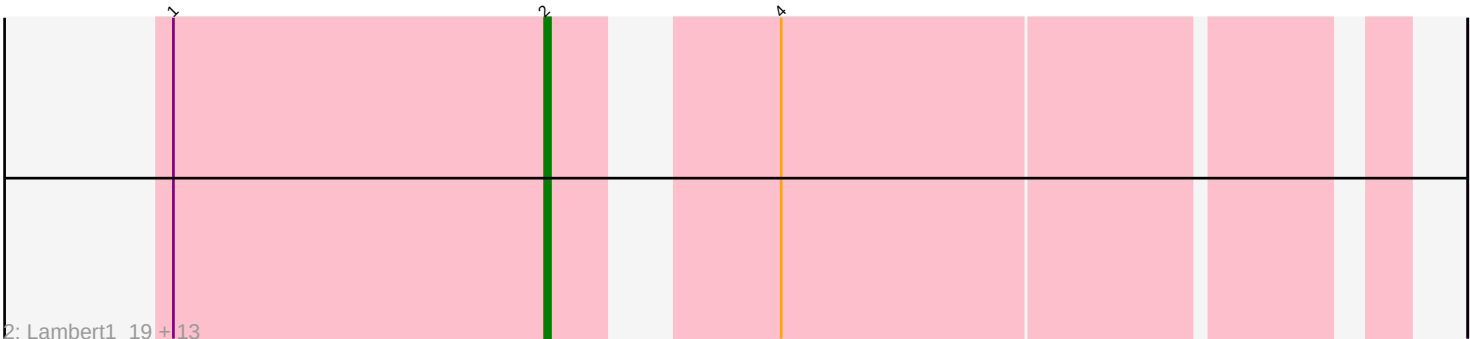
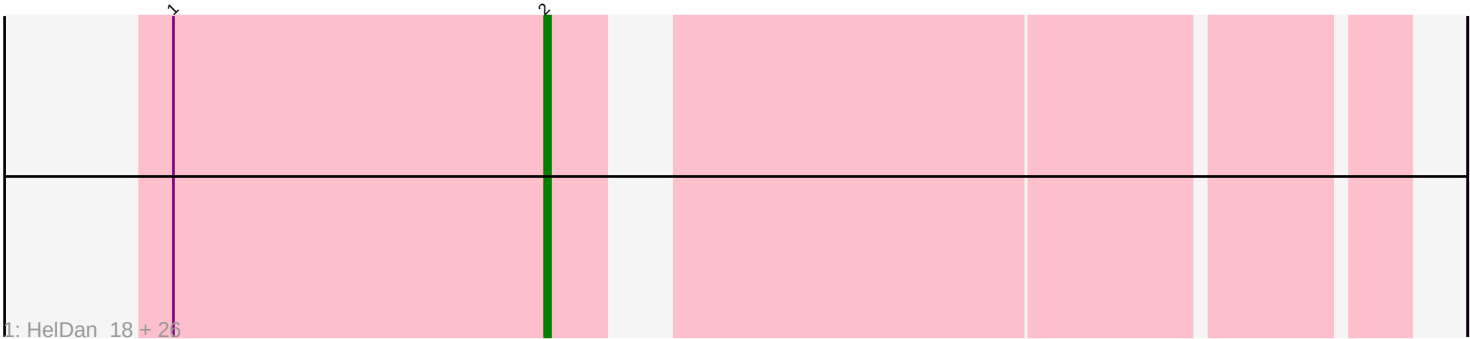




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 280595 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280595 has 43 members, 10 are drafts.

Phages represented in each track:

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

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 33 of the 33 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, 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, SaturnRing_18, Scout_18, TNguyen7_18, Texage_18, Todacoro_19, 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 43 of 43 (100.0%) of genes in pham
- Manual Annotations of this start: 33 of 33
- 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), 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), SaturnRing_18 (A3), Scout_18 (A3), TNguyen7_18 (A3), Texage_18 (A3), Todacoro_19 (A3), 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 1 time 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 33 MA's),

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

Candidate Starts for BabyJohn_17:

(1, 12885), (Start: 2 @12951 has 33 MA's),

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

Candidate Starts for BabyRay_18:

(1, 12874), (Start: 2 @12940 has 33 MA's),

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

Candidate Starts for BlueBird_19:

(1, 12648), (Start: 2 @12714 has 33 MA's),

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

Candidate Starts for Bugatti_18:

(1, 12648), (Start: 2 @12714 has 33 MA's),

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

Candidate Starts for Caviar_19:

(1, 13189), (Start: 2 @13255 has 33 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 33 MA's),

Gene: Clammy_18 Start: 12714, Stop: 12848, Start Num: 2
Candidate Starts for Clammy_18:
(1, 12648), (Start: 2 @12714 has 33 MA's),

Gene: DropBear_18 Start: 12774, Stop: 12908, Start Num: 2
Candidate Starts for DropBear_18:
(1, 12708), (Start: 2 @12774 has 33 MA's),

Gene: EtoileNova_19 Start: 13258, Stop: 13389, Start Num: 2
Candidate Starts for EtoileNova_19:
(1, 13192), (Start: 2 @13258 has 33 MA's), (4, 13288),

Gene: Fred313_18 Start: 12432, Stop: 12566, Start Num: 2
Candidate Starts for Fred313_18:
(1, 12366), (Start: 2 @12432 has 33 MA's),

Gene: Giroux_19 Start: 12714, Stop: 12848, Start Num: 2
Candidate Starts for Giroux_19:
(1, 12648), (Start: 2 @12714 has 33 MA's),

Gene: Heathen_18 Start: 12515, Stop: 12649, Start Num: 2
Candidate Starts for Heathen_18:
(1, 12449), (Start: 2 @12515 has 33 MA's),

Gene: HelDan_18 Start: 12767, Stop: 12901, Start Num: 2
Candidate Starts for HelDan_18:
(1, 12701), (Start: 2 @12767 has 33 MA's),

Gene: Hookmount_19 Start: 13255, Stop: 13386, Start Num: 2
Candidate Starts for Hookmount_19:
(1, 13189), (Start: 2 @13255 has 33 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 33 MA's),

Gene: Isca_18 Start: 12602, Stop: 12736, Start Num: 2
Candidate Starts for Isca_18:
(1, 12536), (Start: 2 @12602 has 33 MA's),

Gene: JF2_18 Start: 12367, Stop: 12501, Start Num: 2
Candidate Starts for JF2_18:
(1, 12301), (Start: 2 @12367 has 33 MA's),

Gene: JF4_18 Start: 12367, Stop: 12501, Start Num: 2
Candidate Starts for JF4_18:
(1, 12301), (Start: 2 @12367 has 33 MA's),

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

Candidate Starts for Kachowdy_18:

(1, 12701), (Start: 2 @12767 has 33 MA's),

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

Candidate Starts for Lambert1_19:

(1, 13189), (Start: 2 @13255 has 33 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 33 MA's),

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

Candidate Starts for MK4_18:

(1, 12535), (Start: 2 @12601 has 33 MA's),

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

Candidate Starts for Marchesa_18:

(1, 12699), (Start: 2 @12765 has 33 MA's),

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

Candidate Starts for Margo_19:

(1, 13214), (Start: 2 @13280 has 33 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 33 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 33 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 33 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 33 MA's),

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

Candidate Starts for Pistachio_19:

(1, 12195), (Start: 2 @12261 has 33 MA's),

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

Candidate Starts for Pocahontas_19:

(1, 13186), (Start: 2 @13252 has 33 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 33 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 33 MA's),

Gene: QuinnKiro_18 Start: 13255, Stop: 13386, Start Num: 2

Candidate Starts for QuinnKiro_18:

(1, 13189), (Start: 2 @13255 has 33 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 33 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 33 MA's),

Gene: SaturnRing_18 Start: 12714, Stop: 12848, Start Num: 2

Candidate Starts for SaturnRing_18:

(1, 12648), (Start: 2 @12714 has 33 MA's),

Gene: Scout_18 Start: 12014, Stop: 12148, Start Num: 2

Candidate Starts for Scout_18:

(1, 11948), (Start: 2 @12014 has 33 MA's),

Gene: TNguyen7_18 Start: 12684, Stop: 12818, Start Num: 2

Candidate Starts for TNguyen7_18:

(1, 12618), (Start: 2 @12684 has 33 MA's),

Gene: Texage_18 Start: 13255, Stop: 13386, Start Num: 2

Candidate Starts for Texage_18:

(1, 13189), (Start: 2 @13255 has 33 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 33 MA's), (4, 13285),

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

Candidate Starts for Veracruz_18:

(1, 13189), (Start: 2 @13255 has 33 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 33 MA's),