



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 224695 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224695 has 43 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Hannaconda_61, KashFlow_58
- Track 2 : MiaZeal_60, Wanda_69, Dallas_62, Minerva_69, Marleymoo_60, Kalah2_59, Lucky2013_61, EricMillard_63, Halley_64, Odette_61, JuicyJay_62, HokkenD_56, BAKA_67, ThreeRngTarjay_61, Klein_64, Redno2_60, Courthouse_60, Hughesyang_62, Ariel_60, Rearden_58, Zelink_61, Ejimix_63, Bobby_63, DmpstrDiver_62, NihilNomen_63, Superphikiman_61, Dove_56, Nekros_61, Duke13_66, Thibault_56, Bagrid_62, Constella_51, Pound_63, Phoebus_62, Yeet_61, Squint_60, Bombitas_60, Beem_63, Optimus_68, Schatzie_58, Porcelain_59

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 38 of the 38 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ariel_60, BAKA_67, Bagrid_62, Beem_63, Bobby_63, Bombitas_60, Constella_51, Courthouse_60, Dallas_62, DmpstrDiver_62, Dove_56, Duke13_66, Ejimix_63, EricMillard_63, Halley_64, Hannaconda_61, HokkenD_56, Hughesyang_62, JuicyJay_62, Kalah2_59, KashFlow_58, Klein_64, Lucky2013_61, Marleymoo_60, MiaZeal_60, Minerva_69, Nekros_61, NihilNomen_63, Odette_61, Optimus_68, Phoebus_62, Porcelain_59, Pound_63, Rearden_58, Redno2_60, Schatzie_58, Squint_60, Superphikiman_61, Thibault_56, ThreeRngTarjay_61, Wanda_69, Yeet_61, Zelink_61,

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 1:

- Found in 43 of 43 (100.0%) of genes in pham
- Manual Annotations of this start: 38 of 38
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ariel_60 (J), BAKA_67 (J), Bagrid_62 (J), Beem_63 (J), Bobby_63 (J), Bombitas_60 (J), Constella_51 (J), Courthouse_60 (J), Dallas_62 (J), DmpstrDiver_62 (J), Dove_56 (J), Duke13_66 (J), Ejimix_63 (J), EricMillard_63 (J), Halley_64 (J), Hannaconda_61 (J), HokkenD_56 (J), Hughesyang_62 (J), JuicyJay_62 (J), Kalah2_59 (J), KashFlow_58 (J), Klein_64 (J), Lucky2013_61 (J), Marleymoo_60 (J), MiaZeal_60 (J), Minerva_69 (J), Nekros_61 (J), NihilNomen_63 (J), Odette_61 (J), Optimus_68 (J), Phoebus_62 (J), Porcelain_59 (J), Pound_63 (J), Rearden_58 (J), Redno2_60 (J), Schatzie_58 (J), Squint_60 (J), Superphikiman_61 (J), Thibault_56 (J), ThreeRngTarjay_61 (J), Wanda_69 (J), Yeet_61 (J), Zelink_61 (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 38 times for cluster J.

Gene Information:

Gene: Ariel_60 Start: 43241, Stop: 43068, Start Num: 1

Candidate Starts for Ariel_60:

(Start: 1 @43241 has 38 MA's), (2, 43184), (3, 43106), (4, 43082),

Gene: BAKA_67 Start: 48144, Stop: 47971, Start Num: 1

Candidate Starts for BAKA_67:

(Start: 1 @48144 has 38 MA's), (2, 48087), (3, 48009), (4, 47985),

Gene: Bagrid_62 Start: 47476, Stop: 47303, Start Num: 1

Candidate Starts for Bagrid_62:

(Start: 1 @47476 has 38 MA's), (2, 47419), (3, 47341), (4, 47317),

Gene: Beem_63 Start: 48042, Stop: 47869, Start Num: 1

Candidate Starts for Beem_63:

(Start: 1 @48042 has 38 MA's), (2, 47985), (3, 47907), (4, 47883),

Gene: Bobby_63 Start: 47403, Stop: 47230, Start Num: 1

Candidate Starts for Bobby_63:

(Start: 1 @47403 has 38 MA's), (2, 47346), (3, 47268), (4, 47244),

Gene: Bombitas_60 Start: 47638, Stop: 47465, Start Num: 1

Candidate Starts for Bombitas_60:

(Start: 1 @47638 has 38 MA's), (2, 47581), (3, 47503), (4, 47479),

Gene: Constella_51 Start: 42980, Stop: 42807, Start Num: 1

Candidate Starts for Constella_51:

(Start: 1 @42980 has 38 MA's), (2, 42923), (3, 42845), (4, 42821),

Gene: Courthouse_60 Start: 43645, Stop: 43472, Start Num: 1
Candidate Starts for Courthouse_60:
(Start: 1 @43645 has 38 MA's), (2, 43588), (3, 43510), (4, 43486),

Gene: Dallas_62 Start: 46963, Stop: 46790, Start Num: 1
Candidate Starts for Dallas_62:
(Start: 1 @46963 has 38 MA's), (2, 46906), (3, 46828), (4, 46804),

Gene: DmpstrDiver_62 Start: 47390, Stop: 47217, Start Num: 1
Candidate Starts for DmpstrDiver_62:
(Start: 1 @47390 has 38 MA's), (2, 47333), (3, 47255), (4, 47231),

Gene: Dove_56 Start: 45904, Stop: 45731, Start Num: 1
Candidate Starts for Dove_56:
(Start: 1 @45904 has 38 MA's), (2, 45847), (3, 45769), (4, 45745),

Gene: Duke13_66 Start: 47910, Stop: 47737, Start Num: 1
Candidate Starts for Duke13_66:
(Start: 1 @47910 has 38 MA's), (2, 47853), (3, 47775), (4, 47751),

Gene: Ejimix_63 Start: 48828, Stop: 48655, Start Num: 1
Candidate Starts for Ejimix_63:
(Start: 1 @48828 has 38 MA's), (2, 48771), (3, 48693), (4, 48669),

Gene: EricMillard_63 Start: 48329, Stop: 48156, Start Num: 1
Candidate Starts for EricMillard_63:
(Start: 1 @48329 has 38 MA's), (2, 48272), (3, 48194), (4, 48170),

Gene: Halley_64 Start: 48042, Stop: 47869, Start Num: 1
Candidate Starts for Halley_64:
(Start: 1 @48042 has 38 MA's), (2, 47985), (3, 47907), (4, 47883),

Gene: Hannaconda_61 Start: 43234, Stop: 43049, Start Num: 1
Candidate Starts for Hannaconda_61:
(Start: 1 @43234 has 38 MA's), (2, 43177), (3, 43099), (4, 43075), (5, 43060),

Gene: HokkenD_56 Start: 46311, Stop: 46138, Start Num: 1
Candidate Starts for HokkenD_56:
(Start: 1 @46311 has 38 MA's), (2, 46254), (3, 46176), (4, 46152),

Gene: Hughesyang_62 Start: 47971, Stop: 47798, Start Num: 1
Candidate Starts for Hughesyang_62:
(Start: 1 @47971 has 38 MA's), (2, 47914), (3, 47836), (4, 47812),

Gene: JuicyJay_62 Start: 49176, Stop: 49003, Start Num: 1
Candidate Starts for JuicyJay_62:
(Start: 1 @49176 has 38 MA's), (2, 49119), (3, 49041), (4, 49017),

Gene: Kalah2_59 Start: 47585, Stop: 47412, Start Num: 1
Candidate Starts for Kalah2_59:
(Start: 1 @47585 has 38 MA's), (2, 47528), (3, 47450), (4, 47426),

Gene: KashFlow_58 Start: 42855, Stop: 42670, Start Num: 1

Candidate Starts for KashFlow_58:

(Start: 1 @42855 has 38 MA's), (2, 42798), (3, 42720), (4, 42696), (5, 42681),

Gene: Klein_64 Start: 47608, Stop: 47435, Start Num: 1

Candidate Starts for Klein_64:

(Start: 1 @47608 has 38 MA's), (2, 47551), (3, 47473), (4, 47449),

Gene: Lucky2013_61 Start: 43781, Stop: 43608, Start Num: 1

Candidate Starts for Lucky2013_61:

(Start: 1 @43781 has 38 MA's), (2, 43724), (3, 43646), (4, 43622),

Gene: Marleymoo_60 Start: 46525, Stop: 46352, Start Num: 1

Candidate Starts for Marleymoo_60:

(Start: 1 @46525 has 38 MA's), (2, 46468), (3, 46390), (4, 46366),

Gene: MiaZeal_60 Start: 43456, Stop: 43283, Start Num: 1

Candidate Starts for MiaZeal_60:

(Start: 1 @43456 has 38 MA's), (2, 43399), (3, 43321), (4, 43297),

Gene: Minerva_69 Start: 49458, Stop: 49285, Start Num: 1

Candidate Starts for Minerva_69:

(Start: 1 @49458 has 38 MA's), (2, 49401), (3, 49323), (4, 49299),

Gene: Nekros_61 Start: 46282, Stop: 46109, Start Num: 1

Candidate Starts for Nekros_61:

(Start: 1 @46282 has 38 MA's), (2, 46225), (3, 46147), (4, 46123),

Gene: NihilNomen_63 Start: 48129, Stop: 47956, Start Num: 1

Candidate Starts for NihilNomen_63:

(Start: 1 @48129 has 38 MA's), (2, 48072), (3, 47994), (4, 47970),

Gene: Odette_61 Start: 47172, Stop: 46999, Start Num: 1

Candidate Starts for Odette_61:

(Start: 1 @47172 has 38 MA's), (2, 47115), (3, 47037), (4, 47013),

Gene: Optimus_68 Start: 49044, Stop: 48871, Start Num: 1

Candidate Starts for Optimus_68:

(Start: 1 @49044 has 38 MA's), (2, 48987), (3, 48909), (4, 48885),

Gene: Phoebus_62 Start: 48330, Stop: 48157, Start Num: 1

Candidate Starts for Phoebus_62:

(Start: 1 @48330 has 38 MA's), (2, 48273), (3, 48195), (4, 48171),

Gene: Porcelain_59 Start: 43456, Stop: 43283, Start Num: 1

Candidate Starts for Porcelain_59:

(Start: 1 @43456 has 38 MA's), (2, 43399), (3, 43321), (4, 43297),

Gene: Pound_63 Start: 49463, Stop: 49290, Start Num: 1

Candidate Starts for Pound_63:

(Start: 1 @49463 has 38 MA's), (2, 49406), (3, 49328), (4, 49304),

Gene: Rearden_58 Start: 43787, Stop: 43614, Start Num: 1

Candidate Starts for Rearden_58:

(Start: 1 @43787 has 38 MA's), (2, 43730), (3, 43652), (4, 43628),

Gene: Redno2_60 Start: 44925, Stop: 44752, Start Num: 1

Candidate Starts for Redno2_60:

(Start: 1 @44925 has 38 MA's), (2, 44868), (3, 44790), (4, 44766),

Gene: Schatzie_58 Start: 46919, Stop: 46746, Start Num: 1

Candidate Starts for Schatzie_58:

(Start: 1 @46919 has 38 MA's), (2, 46862), (3, 46784), (4, 46760),

Gene: Squint_60 Start: 43575, Stop: 43402, Start Num: 1

Candidate Starts for Squint_60:

(Start: 1 @43575 has 38 MA's), (2, 43518), (3, 43440), (4, 43416),

Gene: Superphikiman_61 Start: 43647, Stop: 43474, Start Num: 1

Candidate Starts for Superphikiman_61:

(Start: 1 @43647 has 38 MA's), (2, 43590), (3, 43512), (4, 43488),

Gene: Thibault_56 Start: 44634, Stop: 44461, Start Num: 1

Candidate Starts for Thibault_56:

(Start: 1 @44634 has 38 MA's), (2, 44577), (3, 44499), (4, 44475),

Gene: ThreeRngTarjay_61 Start: 48205, Stop: 48032, Start Num: 1

Candidate Starts for ThreeRngTarjay_61:

(Start: 1 @48205 has 38 MA's), (2, 48148), (3, 48070), (4, 48046),

Gene: Wanda_69 Start: 47917, Stop: 47744, Start Num: 1

Candidate Starts for Wanda_69:

(Start: 1 @47917 has 38 MA's), (2, 47860), (3, 47782), (4, 47758),

Gene: Yeet_61 Start: 47030, Stop: 46857, Start Num: 1

Candidate Starts for Yeet_61:

(Start: 1 @47030 has 38 MA's), (2, 46973), (3, 46895), (4, 46871),

Gene: Zelink_61 Start: 48518, Stop: 48345, Start Num: 1

Candidate Starts for Zelink_61:

(Start: 1 @48518 has 38 MA's), (2, 48461), (3, 48383), (4, 48359),