



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 306648 Report

This analysis was run 06/27/26 on database version 652.

Pham number 306648 has 37 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Jalebi_8, Lambo_7, Sampudon_8
- Track 2 : Riduram_5, Rumi_5, Stormer_5, Astralis_5, Genamy16_5, Alyssamiracle_5, NovaSharks_5, Charminar_5, RazorC_5, Avian_5, Jamemuya19_5
- Track 3 : Zany_7, MoiGyank_9, DaviePasture_6, Yikes_7, LavAbarElk_5, Lila22_7, DoobyDoo_6, ParvusTarda_6, Gibbin_7, Rota_6
- Track 4 : Pywacket_6, Rukungu_6, Fulcrum_8, GOATification_8
- Track 5 : Alephilan_6, BirthdayBoy_7
- Track 6 : Tillicus_7, Apeppi_5, LuckyLeo_6
- Track 7 : Wojtek_6
- Track 8 : OtterstedtS21_6, Mima20_6
- Track 9 : Erutan_7

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 32 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alephilan_6, Alyssamiracle_5, Apeppi_5, Astralis_5, Avian_5, BirthdayBoy_7, Charminar_5, DaviePasture_6, DoobyDoo_6, Erutan_7, Fulcrum_8, GOATification_8, Genamy16_5, Gibbin_7, Jalebi_8, Jamemuya19_5, Lambo_7, LavAbarElk_5, Lila22_7, LuckyLeo_6, Mima20_6, MoiGyank_9, NovaSharks_5, OtterstedtS21_6, ParvusTarda_6, Pywacket_6, RazorC_5, Riduram_5, Rota_6, Rukungu_6, Rumi_5, Sampudon_8, Stormer_5, Tillicus_7, Wojtek_6, Yikes_7, Zany_7,

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 37 of 37 (100.0%) of genes in pham
- Manual Annotations of this start: 32 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alephilan_6 (DV), Alyssamiracle_5 (DV), Apeppi_5 (DV), Astralis_5 (DV), Avian_5 (DV), BirthdayBoy_7 (DV), Charminar_5 (DV), DaviePasture_6 (DV), DoobyDoo_6 (DV), Erutan_7 (DV), Fulcrum_8 (DV), GOATification_8 (DV), Genamy16_5 (DV), Gibbin_7 (DV), Jalebi_8 (DV), Jamemuya19_5 (DV), Lambo_7 (DV), LavAbarElk_5 (DV), Lila22_7 (DV), LuckyLeo_6 (DV), Mima20_6 (DV), MoiGyank_9 (DV), NovaSharks_5 (DV), OtterstedtS21_6 (DV), ParvusTarda_6 (DV), Pywacket_6 (DV), RazorC_5 (DV), Riduram_5 (DV), Rota_6 (DV), Rukungu_6 (DV), Rumi_5 (DV), Sampudon_8 (DV), Stormer_5 (DV), Tillicus_7 (DV), Wojtek_6 (DV), Yikes_7 (DV), Zany_7 (DV),

Summary by clusters:

There is one cluster represented in this pham: DV

Info for manual annotations of cluster DV:

- Start number 1 was manually annotated 32 times for cluster DV.

Gene Information:

Gene: Alephilan_6 Start: 6043, Stop: 6411, Start Num: 1

Candidate Starts for Alephilan_6:

(Start: 1 @6043 has 32 MA's), (5, 6172), (8, 6349),

Gene: Alyssamiracle_5 Start: 3782, Stop: 4150, Start Num: 1

Candidate Starts for Alyssamiracle_5:

(Start: 1 @3782 has 32 MA's), (2, 3806), (3, 3872), (8, 4088), (10, 4124),

Gene: Apeppi_5 Start: 5572, Stop: 5973, Start Num: 1

Candidate Starts for Apeppi_5:

(Start: 1 @5572 has 32 MA's), (4, 5671), (6, 5770), (7, 5839), (9, 5899),

Gene: Astralis_5 Start: 3782, Stop: 4150, Start Num: 1

Candidate Starts for Astralis_5:

(Start: 1 @3782 has 32 MA's), (2, 3806), (3, 3872), (8, 4088), (10, 4124),

Gene: Avian_5 Start: 3782, Stop: 4150, Start Num: 1

Candidate Starts for Avian_5:

(Start: 1 @3782 has 32 MA's), (2, 3806), (3, 3872), (8, 4088), (10, 4124),

Gene: BirthdayBoy_7 Start: 6222, Stop: 6590, Start Num: 1

Candidate Starts for BirthdayBoy_7:

(Start: 1 @6222 has 32 MA's), (5, 6351), (8, 6528),

Gene: Charminar_5 Start: 3782, Stop: 4150, Start Num: 1

Candidate Starts for Charminar_5:

(Start: 1 @3782 has 32 MA's), (2, 3806), (3, 3872), (8, 4088), (10, 4124),

Gene: DaviePasture_6 Start: 6063, Stop: 6431, Start Num: 1

Candidate Starts for DaviePasture_6:
(Start: 1 @6063 has 32 MA's), (3, 6153), (8, 6369), (10, 6405),

Gene: DoobyDoo_6 Start: 5747, Stop: 6112, Start Num: 1
Candidate Starts for DoobyDoo_6:
(Start: 1 @5747 has 32 MA's), (3, 5837), (8, 6050), (10, 6086),

Gene: Erutan_7 Start: 6322, Stop: 6690, Start Num: 1
Candidate Starts for Erutan_7:
(Start: 1 @6322 has 32 MA's), (8, 6628), (10, 6664),

Gene: Fulcrum_8 Start: 6945, Stop: 7310, Start Num: 1
Candidate Starts for Fulcrum_8:
(Start: 1 @6945 has 32 MA's), (3, 7035), (7, 7203), (8, 7248), (10, 7284),

Gene: GOATification_8 Start: 6945, Stop: 7310, Start Num: 1
Candidate Starts for GOATification_8:
(Start: 1 @6945 has 32 MA's), (3, 7035), (7, 7203), (8, 7248), (10, 7284),

Gene: Genamy16_5 Start: 3782, Stop: 4150, Start Num: 1
Candidate Starts for Genamy16_5:
(Start: 1 @3782 has 32 MA's), (2, 3806), (3, 3872), (8, 4088), (10, 4124),

Gene: Gibbin_7 Start: 6323, Stop: 6685, Start Num: 1
Candidate Starts for Gibbin_7:
(Start: 1 @6323 has 32 MA's), (3, 6413), (8, 6623), (10, 6659),

Gene: Jalebi_8 Start: 7452, Stop: 7820, Start Num: 1
Candidate Starts for Jalebi_8:
(Start: 1 @7452 has 32 MA's), (3, 7542), (8, 7758),

Gene: Jamemuya19_5 Start: 3782, Stop: 4150, Start Num: 1
Candidate Starts for Jamemuya19_5:
(Start: 1 @3782 has 32 MA's), (2, 3806), (3, 3872), (8, 4088), (10, 4124),

Gene: Lambo_7 Start: 6946, Stop: 7314, Start Num: 1
Candidate Starts for Lambo_7:
(Start: 1 @6946 has 32 MA's), (3, 7036), (8, 7252),

Gene: LavAbarElk_5 Start: 5388, Stop: 5756, Start Num: 1
Candidate Starts for LavAbarElk_5:
(Start: 1 @5388 has 32 MA's), (3, 5478), (8, 5694), (10, 5730),

Gene: Lila22_7 Start: 6163, Stop: 6525, Start Num: 1
Candidate Starts for Lila22_7:
(Start: 1 @6163 has 32 MA's), (3, 6253), (8, 6463), (10, 6499),

Gene: LuckyLeo_6 Start: 5572, Stop: 5973, Start Num: 1
Candidate Starts for LuckyLeo_6:
(Start: 1 @5572 has 32 MA's), (4, 5671), (6, 5770), (7, 5839), (9, 5899),

Gene: Mima20_6 Start: 5947, Stop: 6312, Start Num: 1
Candidate Starts for Mima20_6:

(Start: 1 @5947 has 32 MA's), (3, 6037), (7, 6205), (8, 6250),

Gene: MoiGyank_9 Start: 7322, Stop: 7690, Start Num: 1

Candidate Starts for MoiGyank_9:

(Start: 1 @7322 has 32 MA's), (3, 7412), (8, 7628), (10, 7664),

Gene: NovaSharks_5 Start: 3782, Stop: 4150, Start Num: 1

Candidate Starts for NovaSharks_5:

(Start: 1 @3782 has 32 MA's), (2, 3806), (3, 3872), (8, 4088), (10, 4124),

Gene: OtterstedtS21_6 Start: 5942, Stop: 6310, Start Num: 1

Candidate Starts for OtterstedtS21_6:

(Start: 1 @5942 has 32 MA's), (3, 6032), (7, 6203), (8, 6248),

Gene: ParvusTarda_6 Start: 5340, Stop: 5705, Start Num: 1

Candidate Starts for ParvusTarda_6:

(Start: 1 @5340 has 32 MA's), (3, 5430), (8, 5643), (10, 5679),

Gene: Pywacket_6 Start: 6784, Stop: 7149, Start Num: 1

Candidate Starts for Pywacket_6:

(Start: 1 @6784 has 32 MA's), (3, 6874), (7, 7042), (8, 7087), (10, 7123),

Gene: RazorC_5 Start: 3782, Stop: 4150, Start Num: 1

Candidate Starts for RazorC_5:

(Start: 1 @3782 has 32 MA's), (2, 3806), (3, 3872), (8, 4088), (10, 4124),

Gene: Riduram_5 Start: 3782, Stop: 4150, Start Num: 1

Candidate Starts for Riduram_5:

(Start: 1 @3782 has 32 MA's), (2, 3806), (3, 3872), (8, 4088), (10, 4124),

Gene: Rota_6 Start: 5754, Stop: 6116, Start Num: 1

Candidate Starts for Rota_6:

(Start: 1 @5754 has 32 MA's), (3, 5844), (8, 6054), (10, 6090),

Gene: Rukungu_6 Start: 6489, Stop: 6854, Start Num: 1

Candidate Starts for Rukungu_6:

(Start: 1 @6489 has 32 MA's), (3, 6579), (7, 6747), (8, 6792), (10, 6828),

Gene: Rumi_5 Start: 3782, Stop: 4150, Start Num: 1

Candidate Starts for Rumi_5:

(Start: 1 @3782 has 32 MA's), (2, 3806), (3, 3872), (8, 4088), (10, 4124),

Gene: Sampudon_8 Start: 7452, Stop: 7820, Start Num: 1

Candidate Starts for Sampudon_8:

(Start: 1 @7452 has 32 MA's), (3, 7542), (8, 7758),

Gene: Stormer_5 Start: 3782, Stop: 4150, Start Num: 1

Candidate Starts for Stormer_5:

(Start: 1 @3782 has 32 MA's), (2, 3806), (3, 3872), (8, 4088), (10, 4124),

Gene: Tillicus_7 Start: 5161, Stop: 5562, Start Num: 1

Candidate Starts for Tillicus_7:

(Start: 1 @5161 has 32 MA's), (4, 5260), (6, 5359), (7, 5428), (9, 5488),

Gene: Wojtek_6 Start: 6107, Stop: 6508, Start Num: 1
Candidate Starts for Wojtek_6:
(Start: 1 @6107 has 32 MA's), (4, 6206), (6, 6305), (9, 6434),

Gene: Yikes_7 Start: 6855, Stop: 7223, Start Num: 1
Candidate Starts for Yikes_7:
(Start: 1 @6855 has 32 MA's), (3, 6945), (8, 7161), (10, 7197),

Gene: Zany_7 Start: 6718, Stop: 7083, Start Num: 1
Candidate Starts for Zany_7:
(Start: 1 @6718 has 32 MA's), (3, 6808), (8, 7021), (10, 7057),