



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 163878 Report

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

Pham number 163878 has 25 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Jalebi_8, Lambo_7, Sampudon_8
- Track 2 : Rumi_5, Genamy16_5, Alyssamiracle_5, NovaSharks_5, Avian_5
- Track 3 : Zany_7, MoiGyank_8, Yikes_7, Lila22_7, DoobyDoo_6, Penjamin420_6, Gibbin_7, ParvusTarda_6
- Track 4 : BirthdayBoy_7
- Track 5 : Tillicus_7, Apeppi_5, LuckyLeo_6
- Track 6 : Wojtek_6
- Track 7 : Fulcrum_8, GOATification_8
- Track 8 : OtterstedtS21_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 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alyssamiracle_5, Apeppi_5, Avian_5, BirthdayBoy_7, DoobyDoo_6, Erutan_7, Fulcrum_8, GOATification_8, Genamy16_5, Gibbin_7, Jalebi_8, Lambo_7, Lila22_7, LuckyLeo_6, MoiGyank_8, NovaSharks_5, OtterstedtS21_6, ParvusTarda_6, Penjamin420_6, Rumi_5, Sampudon_8, 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 25 of 25 (100.0%) of genes in pham
- Manual Annotations of this start: 18 of 18
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Alyssamiracle_5 (DV), Apeppi_5 (DV), Avian_5 (DV), BirthdayBoy_7 (DV), DoobyDoo_6 (DV), Erutan_7 (DV), Fulcrum_8 (DV), GOATification_8 (DV), Genamy16_5 (DV), Gibbin_7 (DV), Jalebi_8 (DV), Lambo_7 (DV), Lila22_7 (DV), LuckyLeo_6 (DV), MoiGyank_8 (DV), NovaSharks_5 (DV), OtterstedtS21_6 (DV), ParvusTarda_6 (DV), Penjamin420_6 (DV), Rumi_5 (DV), Sampudon_8 (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 18 times for cluster DV.

Gene Information:

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

Candidate Starts for Alyssamiracle_5:

(Start: 1 @3782 has 18 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 18 MA's), (4, 5671), (6, 5770), (7, 5839), (9, 5899),

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

Candidate Starts for Avian_5:

(Start: 1 @3782 has 18 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 18 MA's), (5, 6351), (8, 6528),

Gene: DoobyDoo_6 Start: 5747, Stop: 6112, Start Num: 1

Candidate Starts for DoobyDoo_6:

(Start: 1 @5747 has 18 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 18 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 18 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 18 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 18 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 18 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 18 MA's), (3, 7542), (8, 7758),

Gene: Lambo_7 Start: 6946, Stop: 7314, Start Num: 1
Candidate Starts for Lambo_7:
(Start: 1 @6946 has 18 MA's), (3, 7036), (8, 7252),

Gene: Lila22_7 Start: 6163, Stop: 6525, Start Num: 1
Candidate Starts for Lila22_7:
(Start: 1 @6163 has 18 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 18 MA's), (4, 5671), (6, 5770), (7, 5839), (9, 5899),

Gene: MoiGyank_8 Start: 7322, Stop: 7690, Start Num: 1
Candidate Starts for MoiGyank_8:
(Start: 1 @7322 has 18 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 18 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 18 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 18 MA's), (3, 5430), (8, 5643), (10, 5679),

Gene: Penjamin420_6 Start: 6063, Stop: 6431, Start Num: 1
Candidate Starts for Penjamin420_6:
(Start: 1 @6063 has 18 MA's), (3, 6153), (8, 6369), (10, 6405),

Gene: Rumi_5 Start: 3782, Stop: 4150, Start Num: 1
Candidate Starts for Rumi_5:
(Start: 1 @3782 has 18 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 18 MA's), (3, 7542), (8, 7758),

Gene: Tillicus_7 Start: 5161, Stop: 5562, Start Num: 1
Candidate Starts for Tillicus_7:
(Start: 1 @5161 has 18 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 18 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 18 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 18 MA's), (3, 6808), (8, 7021), (10, 7057),