



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 331085 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331085 has 32 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Popy_9, TonyStarch_10, FrodoSwaggins_9, TieDye_9, Namu_10, OlympicHelado_10, DrGrey_9, Espio_9, Rima_10
- Track 2 : Meibysrarus_10, CherryBlossom_10, HazuAndZazu_9, Spectropatronm_10, Indigenous_10, FidgetOrca_10, Maya_10, Jaylociraptor_10, IceWarrior_10, Hoshi_10, Soshi_9, Esketit_10
- Track 3 : Madamato_10
- Track 4 : FromIndy_8, Miek_8, Regigigas_8, SendItCS_8
- Track 5 : Thiqqums_8, CricKo_8, Rainydai_8
- Track 6 : Bing_8, Wigberry_8, Hajile_9

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 24 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bing_8, CherryBlossom_10, DrGrey_9, Esketit_10, Espio_9, FidgetOrca_10, FrodoSwaggins_9, Hajile_9, HazuAndZazu_9, Hoshi_10, IceWarrior_10, Indigenous_10, Jaylociraptor_10, Madamato_10, Maya_10, Meibysrarus_10, Namu_10, OlympicHelado_10, Popy_9, Rima_10, Soshi_9, Spectropatronm_10, TieDye_9, TonyStarch_10, Wigberry_8,

Genes that have the "Most Annotated" start but do not call it:

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Genes that do not have the "Most Annotated" start:

- CricKo_8, FromIndy_8, Miek_8, Rainydai_8, Regigigas_8, SendItCS_8, Thiqqums_8,

Summary by start number:

Start 1:

- Found in 7 of 32 (21.9%) of genes in pham
- Manual Annotations of this start: 5 of 29

- Called 100.0% of time when present
- Phage (with cluster) where this start called: CricKo_8 (BI4), FromIndy_8 (BI4), Miek_8 (BI4), Rainydai_8 (BI4), Regigigas_8 (BI4), SendItCS_8 (BI4), Thiqqums_8 (BI4),

Start 2:

- Found in 25 of 32 (78.1%) of genes in pham
- Manual Annotations of this start: 24 of 29
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bing_8 (BI5), CherryBlossom_10 (BI1), DrGrey_9 (BI1), Esketit_10 (BI1), Espio_9 (BI1), FidgetOrca_10 (BI1), FrodoSwaggins_9 (BI1), Hajile_9 (BI1), HazuAndZazu_9 (BI1), Hoshi_10 (BI1), IceWarrior_10 (BI1), Indigenous_10 (BI1), Jaylociraptor_10 (BI1), Madamato_10 (BI1), Maya_10 (BI1), Meibysrarus_10 (BI1), Namu_10 (BI1), OlympicHelado_10 (BI1), Popy_9 (BI1), Rima_10 (BI1), Soshi_9 (BI1), Spectropatronm_10 (BI1), TieDye_9 (BI1), TonyStarch_10 (BI1), Wigberry_8 (BI5),

Summary by clusters:

There are 3 clusters represented in this pham: BI4, BI5, BI1,

Info for manual annotations of cluster BI1:

- Start number 2 was manually annotated 22 times for cluster BI1.

Info for manual annotations of cluster BI4:

- Start number 1 was manually annotated 5 times for cluster BI4.

Info for manual annotations of cluster BI5:

- Start number 2 was manually annotated 2 times for cluster BI5.

Gene Information:

Gene: Bing_8 Start: 4569, Stop: 4931, Start Num: 2

Candidate Starts for Bing_8:

(Start: 2 @4569 has 24 MA's), (3, 4605), (4, 4656), (9, 4707), (12, 4728),

Gene: CherryBlossom_10 Start: 5973, Stop: 6326, Start Num: 2

Candidate Starts for CherryBlossom_10:

(Start: 2 @5973 has 24 MA's), (3, 6009), (8, 6099), (13, 6147),

Gene: CricKo_8 Start: 5150, Stop: 5542, Start Num: 1

Candidate Starts for CricKo_8:

(Start: 1 @5150 has 5 MA's), (3, 5204), (5, 5264), (7, 5291), (10, 5315), (14, 5399), (15, 5489),

Gene: DrGrey_9 Start: 5660, Stop: 6013, Start Num: 2

Candidate Starts for DrGrey_9:

(Start: 2 @5660 has 24 MA's), (3, 5696), (6, 5762), (8, 5786), (11, 5807),

Gene: Esketit_10 Start: 5956, Stop: 6309, Start Num: 2

Candidate Starts for Esketit_10:

(Start: 2 @5956 has 24 MA's), (3, 5992), (8, 6082), (13, 6130),

Gene: Espio_9 Start: 5661, Stop: 6014, Start Num: 2
Candidate Starts for Espio_9:
(Start: 2 @5661 has 24 MA's), (3, 5697), (6, 5763), (8, 5787), (11, 5808),

Gene: FidgetOrca_10 Start: 5956, Stop: 6309, Start Num: 2
Candidate Starts for FidgetOrca_10:
(Start: 2 @5956 has 24 MA's), (3, 5992), (8, 6082), (13, 6130),

Gene: FrodoSwaggins_9 Start: 5660, Stop: 6013, Start Num: 2
Candidate Starts for FrodoSwaggins_9:
(Start: 2 @5660 has 24 MA's), (3, 5696), (6, 5762), (8, 5786), (11, 5807),

Gene: FromIndy_8 Start: 5150, Stop: 5542, Start Num: 1
Candidate Starts for FromIndy_8:
(Start: 1 @5150 has 5 MA's), (3, 5204),

Gene: Hajile_9 Start: 4565, Stop: 4927, Start Num: 2
Candidate Starts for Hajile_9:
(Start: 2 @4565 has 24 MA's), (3, 4601), (4, 4652), (9, 4703), (12, 4724),

Gene: HazuAndZazu_9 Start: 5660, Stop: 6013, Start Num: 2
Candidate Starts for HazuAndZazu_9:
(Start: 2 @5660 has 24 MA's), (3, 5696), (8, 5786), (13, 5834),

Gene: Hoshi_10 Start: 5956, Stop: 6309, Start Num: 2
Candidate Starts for Hoshi_10:
(Start: 2 @5956 has 24 MA's), (3, 5992), (8, 6082), (13, 6130),

Gene: IceWarrior_10 Start: 5956, Stop: 6309, Start Num: 2
Candidate Starts for IceWarrior_10:
(Start: 2 @5956 has 24 MA's), (3, 5992), (8, 6082), (13, 6130),

Gene: Indigenous_10 Start: 5956, Stop: 6309, Start Num: 2
Candidate Starts for Indigenous_10:
(Start: 2 @5956 has 24 MA's), (3, 5992), (8, 6082), (13, 6130),

Gene: Jaylociraptor_10 Start: 5956, Stop: 6309, Start Num: 2
Candidate Starts for Jaylociraptor_10:
(Start: 2 @5956 has 24 MA's), (3, 5992), (8, 6082), (13, 6130),

Gene: Madamato_10 Start: 5949, Stop: 6302, Start Num: 2
Candidate Starts for Madamato_10:
(Start: 2 @5949 has 24 MA's), (3, 5985), (6, 6051), (8, 6075), (11, 6096),

Gene: Maya_10 Start: 5964, Stop: 6317, Start Num: 2
Candidate Starts for Maya_10:
(Start: 2 @5964 has 24 MA's), (3, 6000), (8, 6090), (13, 6138),

Gene: Meibysrarus_10 Start: 5956, Stop: 6309, Start Num: 2
Candidate Starts for Meibysrarus_10:
(Start: 2 @5956 has 24 MA's), (3, 5992), (8, 6082), (13, 6130),

Gene: Miek_8 Start: 5150, Stop: 5542, Start Num: 1

Candidate Starts for Miek_8:

(Start: 1 @5150 has 5 MA's), (3, 5204),

Gene: Namo_10 Start: 5956, Stop: 6309, Start Num: 2

Candidate Starts for Namo_10:

(Start: 2 @5956 has 24 MA's), (3, 5992), (6, 6058), (8, 6082), (11, 6103),

Gene: OlympicHelado_10 Start: 5956, Stop: 6309, Start Num: 2

Candidate Starts for OlympicHelado_10:

(Start: 2 @5956 has 24 MA's), (3, 5992), (6, 6058), (8, 6082), (11, 6103),

Gene: Popy_9 Start: 5660, Stop: 6013, Start Num: 2

Candidate Starts for Popy_9:

(Start: 2 @5660 has 24 MA's), (3, 5696), (6, 5762), (8, 5786), (11, 5807),

Gene: Rainydai_8 Start: 5150, Stop: 5542, Start Num: 1

Candidate Starts for Rainydai_8:

(Start: 1 @5150 has 5 MA's), (3, 5204), (5, 5264), (7, 5291), (10, 5315), (14, 5399), (15, 5489),

Gene: Regigigas_8 Start: 5150, Stop: 5542, Start Num: 1

Candidate Starts for Regigigas_8:

(Start: 1 @5150 has 5 MA's), (3, 5204),

Gene: Rima_10 Start: 5956, Stop: 6309, Start Num: 2

Candidate Starts for Rima_10:

(Start: 2 @5956 has 24 MA's), (3, 5992), (6, 6058), (8, 6082), (11, 6103),

Gene: SendItCS_8 Start: 5150, Stop: 5542, Start Num: 1

Candidate Starts for SendItCS_8:

(Start: 1 @5150 has 5 MA's), (3, 5204),

Gene: Soshi_9 Start: 5660, Stop: 6013, Start Num: 2

Candidate Starts for Soshi_9:

(Start: 2 @5660 has 24 MA's), (3, 5696), (8, 5786), (13, 5834),

Gene: Spectropatronm_10 Start: 5956, Stop: 6309, Start Num: 2

Candidate Starts for Spectropatronm_10:

(Start: 2 @5956 has 24 MA's), (3, 5992), (8, 6082), (13, 6130),

Gene: Thiqqums_8 Start: 5150, Stop: 5542, Start Num: 1

Candidate Starts for Thiqqums_8:

(Start: 1 @5150 has 5 MA's), (3, 5204), (5, 5264), (7, 5291), (10, 5315), (14, 5399), (15, 5489),

Gene: TieDye_9 Start: 5666, Stop: 6019, Start Num: 2

Candidate Starts for TieDye_9:

(Start: 2 @5666 has 24 MA's), (3, 5702), (6, 5768), (8, 5792), (11, 5813),

Gene: TonyStarch_10 Start: 5956, Stop: 6309, Start Num: 2

Candidate Starts for TonyStarch_10:

(Start: 2 @5956 has 24 MA's), (3, 5992), (6, 6058), (8, 6082), (11, 6103),

Gene: Wigberry_8 Start: 4565, Stop: 4927, Start Num: 2

Candidate Starts for Wigberry_8:

(Start: 2 @4565 has 24 MA's), (3, 4601), (4, 4652), (9, 4703), (12, 4724),