



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 86602 Report

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

Pham number 86602 has 21 members, 0 are drafts.

Phages represented in each track:

- Track 1 : CherryBlossom_10, Meibysrarus_10, FidgetOrca_10, Maya_10, IceWarrior_10, Spectropatronm_10, Soshi_9, Indigenous_10, Hoshi_10, Esketit_10, Jaylociraptor_10
- Track 2 : FrodoSwaggins_9, Popy_9, TieDye_9, OlympicHelado_10, Namo_10, TonyStarch_10, DrGrey_9, Rima_10
- Track 3 : Madamato_10
- Track 4 : Bing_8

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 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bing_8, CherryBlossom_10, DrGrey_9, Esketit_10, FidgetOrca_10, FrodoSwaggins_9, Hoshi_10, IceWarrior_10, Indigenous_10, Jaylociraptor_10, Madamato_10, Maya_10, Meibysrarus_10, Namo_10, OlympicHelado_10, Popy_9, Rima_10, Soshi_9, Spectropatronm_10, TieDye_9, TonyStarch_10,

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 21 of 21 (100.0%) of genes in pham
- Manual Annotations of this start: 21 of 21
- 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), FidgetOrca_10 (BI1), FrodoSwaggins_9 (BI1), Hoshi_10 (BI1), IceWarrior_10 (BI1), Indigenous_10 (BI1), Jaylociraptor_10 (BI1),

Madamato_10 (BI1), Maya_10 (BI1), Meibysrarus_10 (BI1), Namo_10 (BI1), OlympicHelado_10 (BI1), Popy_9 (BI1), Rima_10 (BI1), Soshi_9 (BI1), Spectropatronm_10 (BI1), TieDye_9 (BI1), TonyStarch_10 (BI1),

Summary by clusters:

There are 2 clusters represented in this pham: BI5, BI1,

Info for manual annotations of cluster BI1:

- Start number 1 was manually annotated 20 times for cluster BI1.

Info for manual annotations of cluster BI5:

- Start number 1 was manually annotated 1 time for cluster BI5.

Gene Information:

Gene: Bing_8 Start: 4569, Stop: 4931, Start Num: 1

Candidate Starts for Bing_8:

(Start: 1 @4569 has 21 MA's), (2, 4605), (3, 4656), (6, 4707), (8, 4728),

Gene: CherryBlossom_10 Start: 5973, Stop: 6326, Start Num: 1

Candidate Starts for CherryBlossom_10:

(Start: 1 @5973 has 21 MA's), (2, 6009), (5, 6099), (9, 6147),

Gene: DrGrey_9 Start: 5660, Stop: 6013, Start Num: 1

Candidate Starts for DrGrey_9:

(Start: 1 @5660 has 21 MA's), (2, 5696), (4, 5762), (5, 5786), (7, 5807),

Gene: Esketit_10 Start: 5956, Stop: 6309, Start Num: 1

Candidate Starts for Esketit_10:

(Start: 1 @5956 has 21 MA's), (2, 5992), (5, 6082), (9, 6130),

Gene: FidgetOrca_10 Start: 5956, Stop: 6309, Start Num: 1

Candidate Starts for FidgetOrca_10:

(Start: 1 @5956 has 21 MA's), (2, 5992), (5, 6082), (9, 6130),

Gene: FrodoSwaggins_9 Start: 5660, Stop: 6013, Start Num: 1

Candidate Starts for FrodoSwaggins_9:

(Start: 1 @5660 has 21 MA's), (2, 5696), (4, 5762), (5, 5786), (7, 5807),

Gene: Hoshi_10 Start: 5956, Stop: 6309, Start Num: 1

Candidate Starts for Hoshi_10:

(Start: 1 @5956 has 21 MA's), (2, 5992), (5, 6082), (9, 6130),

Gene: IceWarrior_10 Start: 5956, Stop: 6309, Start Num: 1

Candidate Starts for IceWarrior_10:

(Start: 1 @5956 has 21 MA's), (2, 5992), (5, 6082), (9, 6130),

Gene: Indigenous_10 Start: 5956, Stop: 6309, Start Num: 1

Candidate Starts for Indigenous_10:

(Start: 1 @5956 has 21 MA's), (2, 5992), (5, 6082), (9, 6130),

Gene: Jaylociraptor_10 Start: 5956, Stop: 6309, Start Num: 1
Candidate Starts for Jaylociraptor_10:
(Start: 1 @5956 has 21 MA's), (2, 5992), (5, 6082), (9, 6130),

Gene: Madamato_10 Start: 5949, Stop: 6302, Start Num: 1
Candidate Starts for Madamato_10:
(Start: 1 @5949 has 21 MA's), (2, 5985), (4, 6051), (5, 6075), (7, 6096),

Gene: Maya_10 Start: 5964, Stop: 6317, Start Num: 1
Candidate Starts for Maya_10:
(Start: 1 @5964 has 21 MA's), (2, 6000), (5, 6090), (9, 6138),

Gene: Meibysrarus_10 Start: 5956, Stop: 6309, Start Num: 1
Candidate Starts for Meibysrarus_10:
(Start: 1 @5956 has 21 MA's), (2, 5992), (5, 6082), (9, 6130),

Gene: Namo_10 Start: 5956, Stop: 6309, Start Num: 1
Candidate Starts for Namo_10:
(Start: 1 @5956 has 21 MA's), (2, 5992), (4, 6058), (5, 6082), (7, 6103),

Gene: OlympicHelado_10 Start: 5956, Stop: 6309, Start Num: 1
Candidate Starts for OlympicHelado_10:
(Start: 1 @5956 has 21 MA's), (2, 5992), (4, 6058), (5, 6082), (7, 6103),

Gene: Popy_9 Start: 5660, Stop: 6013, Start Num: 1
Candidate Starts for Popy_9:
(Start: 1 @5660 has 21 MA's), (2, 5696), (4, 5762), (5, 5786), (7, 5807),

Gene: Rima_10 Start: 5956, Stop: 6309, Start Num: 1
Candidate Starts for Rima_10:
(Start: 1 @5956 has 21 MA's), (2, 5992), (4, 6058), (5, 6082), (7, 6103),

Gene: Soshi_9 Start: 5660, Stop: 6013, Start Num: 1
Candidate Starts for Soshi_9:
(Start: 1 @5660 has 21 MA's), (2, 5696), (5, 5786), (9, 5834),

Gene: Spectropatronm_10 Start: 5956, Stop: 6309, Start Num: 1
Candidate Starts for Spectropatronm_10:
(Start: 1 @5956 has 21 MA's), (2, 5992), (5, 6082), (9, 6130),

Gene: TieDye_9 Start: 5666, Stop: 6019, Start Num: 1
Candidate Starts for TieDye_9:
(Start: 1 @5666 has 21 MA's), (2, 5702), (4, 5768), (5, 5792), (7, 5813),

Gene: TonyStarch_10 Start: 5956, Stop: 6309, Start Num: 1
Candidate Starts for TonyStarch_10:
(Start: 1 @5956 has 21 MA's), (2, 5992), (4, 6058), (5, 6082), (7, 6103),