

Pham 284034



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 284034 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284034 has 33 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Madamoto_45
- Track 2 : Namu_45, Rima_45
- Track 3 : Espio_45, OlympicHelado_44, Indigenous_44, Spectropatronm_44, Jaylociraptor_44, Popy_44, IceWarrior_43, Esketit_44, FidgetOrca_44, FrodoSwaggins_44, Soshi_43
- Track 4 : TieDye_43
- Track 5 : Wigberry_47
- Track 6 : CherryBlossom_44, TaidaOne_44, TonyStarch_43
- Track 7 : GirlPower_39
- Track 8 : Meibysrarus_42
- Track 9 : HazuAndZazu_43
- Track 10 : Maya_44
- Track 11 : DrGrey_43
- Track 12 : Miek_39, SendItCS_38, CricKo_40, Thiqqums_40, Regigigas_41, Rainydai_39
- Track 13 : FromIndy_40
- Track 14 : Bing_48
- Track 15 : Kardashian_42

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 5, it was called in 20 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bing_48, CherryBlossom_44, Esketit_44, Espio_45, FidgetOrca_44, FrodoSwaggins_44, GirlPower_39, HazuAndZazu_43, IceWarrior_43, Indigenous_44, Jaylociraptor_44, Madamoto_45, Meibysrarus_42, Namu_45, OlympicHelado_44, Popy_44, Rima_45, Soshi_43, Spectropatronm_44, TaidaOne_44, TonyStarch_43, Wigberry_47,

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

- DrGrey_43, Maya_44, TieDye_43,

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

- CricKo_40, FromIndy_40, Kardashian_42, Miek_39, Rainydai_39, Regigigas_41, SendItCS_38, Thiqqums_40,

Summary by start number:

Start 2:

- Found in 17 of 33 (51.5%) of genes in pham
- Manual Annotations of this start: 2 of 29
- Called 11.8% of time when present
- Phage (with cluster) where this start called: Maya_44 (B11), TieDye_43 (B11),

Start 3:

- Found in 29 of 33 (87.9%) of genes in pham
- Manual Annotations of this start: 1 of 29
- Called 3.4% of time when present
- Phage (with cluster) where this start called: DrGrey_43 (B11),

Start 4:

- Found in 8 of 33 (24.2%) of genes in pham
- Manual Annotations of this start: 6 of 29
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CricKo_40 (B14), FromIndy_40 (B14), Kardashian_42 (B16), Miek_39 (B14), Rainydai_39 (B14), Regigigas_41 (B14), SendItCS_38 (B14), Thiqqums_40 (B14),

Start 5:

- Found in 25 of 33 (75.8%) of genes in pham
- Manual Annotations of this start: 20 of 29
- Called 88.0% of time when present
- Phage (with cluster) where this start called: Bing_48 (B15), CherryBlossom_44 (B11), Esketit_44 (B11), Espio_45 (B11), FidgetOrca_44 (B11), FrodoSwaggins_44 (B11), GirlPower_39 (B11), HazuAndZazu_43 (B11), IceWarrior_43 (B11), Indigenous_44 (B11), Jaylociraptor_44 (B11), Madamoto_45 (B11), Meibysrarus_42 (B11), Namu_45 (B11), OlympicHelado_44 (B11), Popy_44 (B11), Rima_45 (B11), Soshi_43 (B11), Spectropatronm_44 (B11), TaidaOne_44 (B11), TonyStarch_43 (B11), Wigberry_47 (B11),

Summary by clusters:

There are 4 clusters represented in this pham: B16, B14, B15, B11,

Info for manual annotations of cluster B11:

- Start number 2 was manually annotated 2 times for cluster B11.
- Start number 3 was manually annotated 1 time for cluster B11.
- Start number 5 was manually annotated 19 times for cluster B11.

Info for manual annotations of cluster B14:

- Start number 4 was manually annotated 5 times for cluster B14.

Info for manual annotations of cluster B15:

- Start number 5 was manually annotated 1 time for cluster B15.

Info for manual annotations of cluster BI6:

•Start number 4 was manually annotated 1 time for cluster BI6.

Gene Information:

Gene: Bing_48 Start: 31061, Stop: 31282, Start Num: 5

Candidate Starts for Bing_48:

(Start: 5 @31061 has 20 MA's), (7, 31097), (10, 31193), (12, 31223),

Gene: CherryBlossom_44 Start: 29980, Stop: 30258, Start Num: 5

Candidate Starts for CherryBlossom_44:

(1, 29896), (Start: 2 @29917 has 2 MA's), (Start: 3 @29950 has 1 MA's), (Start: 5 @29980 has 20 MA's), (7, 30028), (8, 30037), (9, 30058), (13, 30169),

Gene: CricKo_40 Start: 28217, Stop: 28486, Start Num: 4

Candidate Starts for CricKo_40:

(Start: 3 @28190 has 1 MA's), (Start: 4 @28217 has 6 MA's), (14, 28427),

Gene: DrGrey_43 Start: 30291, Stop: 30599, Start Num: 3

Candidate Starts for DrGrey_43:

(Start: 2 @30258 has 2 MA's), (Start: 3 @30291 has 1 MA's), (Start: 5 @30321 has 20 MA's), (7, 30369), (8, 30378), (9, 30399), (13, 30510),

Gene: Esketit_44 Start: 30058, Stop: 30336, Start Num: 5

Candidate Starts for Esketit_44:

(Start: 2 @29995 has 2 MA's), (Start: 3 @30028 has 1 MA's), (Start: 5 @30058 has 20 MA's), (7, 30106), (8, 30115), (9, 30136), (13, 30247),

Gene: Espio_45 Start: 30716, Stop: 30994, Start Num: 5

Candidate Starts for Espio_45:

(Start: 2 @30653 has 2 MA's), (Start: 3 @30686 has 1 MA's), (Start: 5 @30716 has 20 MA's), (7, 30764), (8, 30773), (9, 30794), (13, 30905),

Gene: FidgetOrca_44 Start: 30063, Stop: 30341, Start Num: 5

Candidate Starts for FidgetOrca_44:

(Start: 2 @30000 has 2 MA's), (Start: 3 @30033 has 1 MA's), (Start: 5 @30063 has 20 MA's), (7, 30111), (8, 30120), (9, 30141), (13, 30252),

Gene: FrodoSwaggins_44 Start: 30715, Stop: 30993, Start Num: 5

Candidate Starts for FrodoSwaggins_44:

(Start: 2 @30652 has 2 MA's), (Start: 3 @30685 has 1 MA's), (Start: 5 @30715 has 20 MA's), (7, 30763), (8, 30772), (9, 30793), (13, 30904),

Gene: FromIndy_40 Start: 27820, Stop: 28089, Start Num: 4

Candidate Starts for FromIndy_40:

(Start: 4 @27820 has 6 MA's), (14, 28030),

Gene: GirlPower_39 Start: 30530, Stop: 30808, Start Num: 5

Candidate Starts for GirlPower_39:

(Start: 3 @30500 has 1 MA's), (Start: 5 @30530 has 20 MA's), (7, 30578), (8, 30587), (9, 30608),

Gene: HazuAndZazu_43 Start: 30317, Stop: 30595, Start Num: 5
Candidate Starts for HazuAndZazu_43:
(Start: 3 @30287 has 1 MA's), (Start: 5 @30317 has 20 MA's), (7, 30365), (8, 30374), (9, 30395), (13, 30506),

Gene: IceWarrior_43 Start: 29758, Stop: 30036, Start Num: 5
Candidate Starts for IceWarrior_43:
(Start: 2 @29695 has 2 MA's), (Start: 3 @29728 has 1 MA's), (Start: 5 @29758 has 20 MA's), (7, 29806), (8, 29815), (9, 29836), (13, 29947),

Gene: Indigenous_44 Start: 30058, Stop: 30336, Start Num: 5
Candidate Starts for Indigenous_44:
(Start: 2 @29995 has 2 MA's), (Start: 3 @30028 has 1 MA's), (Start: 5 @30058 has 20 MA's), (7, 30106), (8, 30115), (9, 30136), (13, 30247),

Gene: Jaylociraptor_44 Start: 30058, Stop: 30336, Start Num: 5
Candidate Starts for Jaylociraptor_44:
(Start: 2 @29995 has 2 MA's), (Start: 3 @30028 has 1 MA's), (Start: 5 @30058 has 20 MA's), (7, 30106), (8, 30115), (9, 30136), (13, 30247),

Gene: Kardashian_42 Start: 29744, Stop: 30022, Start Num: 4
Candidate Starts for Kardashian_42:
(Start: 3 @29717 has 1 MA's), (Start: 4 @29744 has 6 MA's), (6, 29792), (7, 29804), (8, 29813),

Gene: Madamoto_45 Start: 30215, Stop: 30487, Start Num: 5
Candidate Starts for Madamoto_45:
(Start: 5 @30215 has 20 MA's), (7, 30260), (11, 30362),

Gene: Maya_44 Start: 30009, Stop: 30350, Start Num: 2
Candidate Starts for Maya_44:
(Start: 2 @30009 has 2 MA's), (Start: 3 @30042 has 1 MA's), (Start: 5 @30072 has 20 MA's), (7, 30120), (8, 30129), (9, 30150), (13, 30261),

Gene: Meibysrarus_42 Start: 29435, Stop: 29713, Start Num: 5
Candidate Starts for Meibysrarus_42:
(Start: 3 @29405 has 1 MA's), (Start: 5 @29435 has 20 MA's), (7, 29483), (8, 29492), (9, 29513), (13, 29624),

Gene: Miek_39 Start: 27833, Stop: 28102, Start Num: 4
Candidate Starts for Miek_39:
(Start: 3 @27806 has 1 MA's), (Start: 4 @27833 has 6 MA's), (14, 28043),

Gene: Namo_45 Start: 30403, Stop: 30681, Start Num: 5
Candidate Starts for Namo_45:
(Start: 3 @30373 has 1 MA's), (Start: 5 @30403 has 20 MA's), (7, 30451), (8, 30460), (9, 30481), (13, 30592),

Gene: OlympicHelado_44 Start: 30079, Stop: 30357, Start Num: 5
Candidate Starts for OlympicHelado_44:
(Start: 2 @30016 has 2 MA's), (Start: 3 @30049 has 1 MA's), (Start: 5 @30079 has 20 MA's), (7, 30127), (8, 30136), (9, 30157), (13, 30268),

Gene: Popy_44 Start: 30715, Stop: 30993, Start Num: 5

Candidate Starts for Popy_44:

(Start: 2 @30652 has 2 MA's), (Start: 3 @30685 has 1 MA's), (Start: 5 @30715 has 20 MA's), (7, 30763), (8, 30772), (9, 30793), (13, 30904),

Gene: Rainydai_39 Start: 28217, Stop: 28486, Start Num: 4

Candidate Starts for Rainydai_39:

(Start: 3 @28190 has 1 MA's), (Start: 4 @28217 has 6 MA's), (14, 28427),

Gene: Regigigas_41 Start: 28217, Stop: 28486, Start Num: 4

Candidate Starts for Regigigas_41:

(Start: 3 @28190 has 1 MA's), (Start: 4 @28217 has 6 MA's), (14, 28427),

Gene: Rima_45 Start: 30403, Stop: 30681, Start Num: 5

Candidate Starts for Rima_45:

(Start: 3 @30373 has 1 MA's), (Start: 5 @30403 has 20 MA's), (7, 30451), (8, 30460), (9, 30481), (13, 30592),

Gene: SendItCS_38 Start: 27833, Stop: 28090, Start Num: 4

Candidate Starts for SendItCS_38:

(Start: 3 @27806 has 1 MA's), (Start: 4 @27833 has 6 MA's), (14, 28031),

Gene: Soshi_43 Start: 30327, Stop: 30605, Start Num: 5

Candidate Starts for Soshi_43:

(Start: 2 @30264 has 2 MA's), (Start: 3 @30297 has 1 MA's), (Start: 5 @30327 has 20 MA's), (7, 30375), (8, 30384), (9, 30405), (13, 30516),

Gene: Spectropatronm_44 Start: 30058, Stop: 30336, Start Num: 5

Candidate Starts for Spectropatronm_44:

(Start: 2 @29995 has 2 MA's), (Start: 3 @30028 has 1 MA's), (Start: 5 @30058 has 20 MA's), (7, 30106), (8, 30115), (9, 30136), (13, 30247),

Gene: TaidaOne_44 Start: 30611, Stop: 30889, Start Num: 5

Candidate Starts for TaidaOne_44:

(1, 30527), (Start: 2 @30548 has 2 MA's), (Start: 3 @30581 has 1 MA's), (Start: 5 @30611 has 20 MA's), (7, 30659), (8, 30668), (9, 30689), (13, 30800),

Gene: Thiqqums_40 Start: 28217, Stop: 28486, Start Num: 4

Candidate Starts for Thiqqums_40:

(Start: 3 @28190 has 1 MA's), (Start: 4 @28217 has 6 MA's), (14, 28427),

Gene: TieDye_43 Start: 29592, Stop: 29933, Start Num: 2

Candidate Starts for TieDye_43:

(1, 29571), (Start: 2 @29592 has 2 MA's), (Start: 3 @29625 has 1 MA's), (Start: 5 @29655 has 20 MA's), (7, 29703), (8, 29712), (9, 29733), (13, 29844),

Gene: TonyStarch_43 Start: 29760, Stop: 30038, Start Num: 5

Candidate Starts for TonyStarch_43:

(1, 29676), (Start: 2 @29697 has 2 MA's), (Start: 3 @29730 has 1 MA's), (Start: 5 @29760 has 20 MA's), (7, 29808), (8, 29817), (9, 29838), (13, 29949),

Gene: Wigberry_47 Start: 30307, Stop: 30528, Start Num: 5

Candidate Starts for Wigberry_47:

(Start: 5 @30307 has 20 MA's), (7, 30343), (12, 30469), (15, 30496),

