Pham 346046


4
7
12
14
15
17
19
1: Namo_49 + 12
5
7
14
15
16
17
19
20
21
2: Madamato_49
7
9
10
14
15
17
19
3: Espio_48 + 3
5
7
9
14
15
17
19
4: CherryBlossom_48 + 1
4
7
9
10
14
15
17
19
5: TonyStarch_47
7
9
10
14
15
17
19
21
6: HazuAndZazu_47
7
9
10
12
14
15
17
19
7: GirlPower_43
7
9
14
15
17
19
8: Soshi_47
1
3
6
7
8
11
15
20
22
9: Hajile_49
1
3
6
7
8
11
15
20
22
10: Wigberry_48
1
3
6
7
15
20
22
11: Bing_51
2
6
7
13
18
12: ClubPenguin_47

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 346046 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346046 has 28 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Namo_49, Hoshi_47, OlympicHelado_48, TieDye_47, Spectropatronm_48, Indigenous_48, IceWarrior_47, Rima_49, Meibysrarus_46, Esketit_48, FidgetOrca_48, Jaylociraptor_48, Maya_48
• Track 2 : Madamato_49
• Track 3 : Espio_48, Popy_48, FrodoSwaggins_48, DrGrey_47
• Track 4 : CherryBlossom_48, TaidaOne_48
• Track 5 : TonyStarch_47
• Track 6 : HazuAndZazu_47
• Track 7 : GirlPower_43
• Track 8 : Soshi_47
• Track 9 : Hajile_49
• Track 10 : Wigberry_48
• Track 11 : Bing_51
• Track 12 : ClubPenguin_47

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

The start number called the most often in the published annotations is 7, it was called in 24 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CherryBlossom_48, DrGrey_47, Esketit_48, Espio_48, FidgetOrca_48, FrodoSwaggins_48, GirlPower_43, HazuAndZazu_47, Hoshi_47, IceWarrior_47, Indigenous_48, Jaylociraptor_48, Madamato_49, Maya_48, Meibysrarus_46, Namo_49, OlympicHelado_48, Popy_48, Rima_49, Soshi_47, Spectropatronm_48, TaidaOne_48, TieDye_47, TonyStarch_47,

Genes that have the "Most Annotated" start but do not call it:
• Bing_51, ClubPenguin_47, Hajile_49, Wigberry_48,

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

Summary by start number:

Start 1:
• Found in 3 of 28 (10.7%) of genes in pham
• Manual Annotations of this start: 2 of 27
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Bing_51 (BI5), Wigberry_48 (BI5),

Start 2:
• Found in 1 of 28 (3.6%) of genes in pham
• Manual Annotations of this start: 1 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ClubPenguin_47 (BI7),

Start 6:
• Found in 4 of 28 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Hajile_49 (BI5),

Start 7:
• Found in 28 of 28 (100.0%) of genes in pham
• Manual Annotations of this start: 24 of 27
• Called 85.7% of time when present
• Phage (with cluster) where this start called: CherryBlossom_48 (BI1), DrGrey_47 (BI1), Esketit_48 (BI1), Espio_48 (BI1), FidgetOrca_48 (BI1), FrodoSwaggins_48 (BI1), GirlPower_43 (BI1), HazuAndZazu_47 (BI1), Hoshi_47 (BI1), IceWarrior_47 (BI1), Indigenous_48 (BI1), Jaylociraptor_48 (BI1), Madamato_49 (BI1), Maya_48 (BI1), Meibysrarus_46 (BI1), Namo_49 (BI1), OlympicHelado_48 (BI1), Popy_48 (BI1), Rima_49 (BI1), Soshi_47 (BI1), Spectropatronm_48 (BI1), TaidaOne_48 (BI1), TieDye_47 (BI1), TonyStarch_47 (BI1),

Summary by clusters:

There are 3 clusters represented in this pham: BI7, BI5, BI1,

Info for manual annotations of cluster BI1:
•Start number 7 was manually annotated 24 times for cluster BI1.

Info for manual annotations of cluster BI5:
•Start number 1 was manually annotated 2 times for cluster BI5.

Info for manual annotations of cluster BI7:
•Start number 2 was manually annotated 1 time for cluster BI7.

Gene Information:

Gene: Bing_51 Start: 32869, Stop: 33402, Start Num: 1
Candidate Starts for Bing_51:
(Start: 1 @32869 has 2 MA's), (3, 32875), (6, 32941), (Start: 7 @33004 has 24 MA's), (15, 33244), (20, 33304), (22, 33388),

Gene: CherryBlossom_48 Start: 32222, Stop: 32635, Start Num: 7
Candidate Starts for CherryBlossom_48:
(5, 32150), (Start: 7 @32222 has 24 MA's), (9, 32291), (14, 32420), (15, 32462), (17, 32474), (19, 32489),

Gene: ClubPenguin_47 Start: 31522, Stop: 32004, Start Num: 2
Candidate Starts for ClubPenguin_47:
(Start: 2 @31522 has 1 MA's), (6, 31591), (Start: 7 @31642 has 24 MA's), (13, 31804), (18, 31885),

Gene: DrGrey_47 Start: 32588, Stop: 33001, Start Num: 7
Candidate Starts for DrGrey_47:
(Start: 7 @32588 has 24 MA's), (9, 32657), (10, 32660), (14, 32801), (15, 32843), (17, 32855), (19, 32870),

Gene: Esketit_48 Start: 32324, Stop: 32746, Start Num: 7
Candidate Starts for Esketit_48:
(4, 32228), (Start: 7 @32324 has 24 MA's), (12, 32465), (14, 32522), (15, 32564), (17, 32576), (19, 32591),

Gene: Espio_48 Start: 32983, Stop: 33396, Start Num: 7
Candidate Starts for Espio_48:
(Start: 7 @32983 has 24 MA's), (9, 33052), (10, 33055), (14, 33196), (15, 33238), (17, 33250), (19, 33265),

Gene: FidgetOrca_48 Start: 32317, Stop: 32739, Start Num: 7
Candidate Starts for FidgetOrca_48:
(4, 32221), (Start: 7 @32317 has 24 MA's), (12, 32458), (14, 32515), (15, 32557), (17, 32569), (19, 32584),

Gene: FrodoSwaggins_48 Start: 32982, Stop: 33395, Start Num: 7
Candidate Starts for FrodoSwaggins_48:
(Start: 7 @32982 has 24 MA's), (9, 33051), (10, 33054), (14, 33195), (15, 33237), (17, 33249), (19, 33264),

Gene: GirlPower_43 Start: 32770, Stop: 33195, Start Num: 7
Candidate Starts for GirlPower_43:
(Start: 7 @32770 has 24 MA's), (9, 32839), (10, 32842), (12, 32920), (14, 32977), (15, 33019), (17, 33031), (19, 33046),

Gene: Hajile_49 Start: 31626, Stop: 32090, Start Num: 6
Candidate Starts for Hajile_49:
(Start: 1 @31554 has 2 MA's), (3, 31560), (6, 31626), (Start: 7 @31689 has 24 MA's), (8, 31713), (11, 31782), (15, 31932), (20, 31992), (22, 32076),

Gene: HazuAndZazu_47 Start: 32584, Stop: 32997, Start Num: 7
Candidate Starts for HazuAndZazu_47:
(Start: 7 @32584 has 24 MA's), (9, 32653), (10, 32656), (14, 32797), (15, 32839), (17, 32851), (19, 32866), (21, 32968),

Gene: Hoshi_47 Start: 31921, Stop: 32343, Start Num: 7
Candidate Starts for Hoshi_47:
(4, 31825), (Start: 7 @31921 has 24 MA's), (12, 32062), (14, 32119), (15, 32161), (17, 32173), (19, 32188),

Gene: IceWarrior_47 Start: 32012, Stop: 32425, Start Num: 7
Candidate Starts for IceWarrior_47:
(4, 31916), (Start: 7 @32012 has 24 MA's), (12, 32153), (14, 32210), (15, 32252), (17, 32264), (19, 32279),

Gene: Indigenous_48 Start: 32318, Stop: 32740, Start Num: 7
Candidate Starts for Indigenous_48:
(4, 32222), (Start: 7 @32318 has 24 MA's), (12, 32459), (14, 32516), (15, 32558), (17, 32570), (19, 32585),

Gene: Jaylociraptor_48 Start: 32317, Stop: 32739, Start Num: 7
Candidate Starts for Jaylociraptor_48:
(4, 32221), (Start: 7 @32317 has 24 MA's), (12, 32458), (14, 32515), (15, 32557), (17, 32569), (19, 32584),

Gene: Madamato_49 Start: 32375, Stop: 32803, Start Num: 7
Candidate Starts for Madamato_49:
(5, 32303), (Start: 7 @32375 has 24 MA's), (14, 32591), (15, 32633), (16, 32639), (17, 32645), (19, 32660), (20, 32693), (21, 32771),

Gene: Maya_48 Start: 32331, Stop: 32753, Start Num: 7
Candidate Starts for Maya_48:
(4, 32235), (Start: 7 @32331 has 24 MA's), (12, 32472), (14, 32529), (15, 32571), (17, 32583), (19, 32598),

Gene: Meibysrarus_46 Start: 31694, Stop: 32116, Start Num: 7
Candidate Starts for Meibysrarus_46:
(4, 31598), (Start: 7 @31694 has 24 MA's), (12, 31835), (14, 31892), (15, 31934), (17, 31946), (19, 31961),

Gene: Namo_49 Start: 32662, Stop: 33084, Start Num: 7
Candidate Starts for Namo_49:
(4, 32566), (Start: 7 @32662 has 24 MA's), (12, 32803), (14, 32860), (15, 32902), (17, 32914), (19, 32929),

Gene: OlympicHelado_48 Start: 32345, Stop: 32767, Start Num: 7
Candidate Starts for OlympicHelado_48:
(4, 32249), (Start: 7 @32345 has 24 MA's), (12, 32486), (14, 32543), (15, 32585), (17, 32597), (19, 32612),

Gene: Popy_48 Start: 32982, Stop: 33395, Start Num: 7
Candidate Starts for Popy_48:
(Start: 7 @32982 has 24 MA's), (9, 33051), (10, 33054), (14, 33195), (15, 33237), (17, 33249), (19, 33264),

Gene: Rima_49 Start: 32662, Stop: 33084, Start Num: 7
Candidate Starts for Rima_49:
(4, 32566), (Start: 7 @32662 has 24 MA's), (12, 32803), (14, 32860), (15, 32902), (17, 32914), (19, 32929),

Gene: Soshi_47 Start: 32588, Stop: 33016, Start Num: 7
Candidate Starts for Soshi_47:

(Start: 7 @32588 has 24 MA's), (9, 32657), (14, 32801), (15, 32843), (17, 32855), (19, 32870),

Gene: Spectropatronm_48 Start: 32324, Stop: 32746, Start Num: 7
Candidate Starts for Spectropatronm_48:
(4, 32228), (Start: 7 @32324 has 24 MA's), (12, 32465), (14, 32522), (15, 32564), (17, 32576), (19, 32591),

Gene: TaidaOne_48 Start: 32838, Stop: 33251, Start Num: 7
Candidate Starts for TaidaOne_48:
(5, 32766), (Start: 7 @32838 has 24 MA's), (9, 32907), (14, 33036), (15, 33078), (17, 33090), (19, 33105),

Gene: TieDye_47 Start: 31917, Stop: 32339, Start Num: 7
Candidate Starts for TieDye_47:
(4, 31821), (Start: 7 @31917 has 24 MA's), (12, 32058), (14, 32115), (15, 32157), (17, 32169), (19, 32184),

Gene: TonyStarch_47 Start: 32038, Stop: 32460, Start Num: 7
Candidate Starts for TonyStarch_47:
(4, 31942), (Start: 7 @32038 has 24 MA's), (9, 32107), (10, 32110), (14, 32236), (15, 32278), (17, 32290), (19, 32305),

Gene: Wigberry_48 Start: 31557, Stop: 32093, Start Num: 1
Candidate Starts for Wigberry_48:
(Start: 1 @31557 has 2 MA's), (3, 31563), (6, 31629), (Start: 7 @31692 has 24 MA's), (8, 31716), (11, 31785), (15, 31935), (20, 31995), (22, 32079),