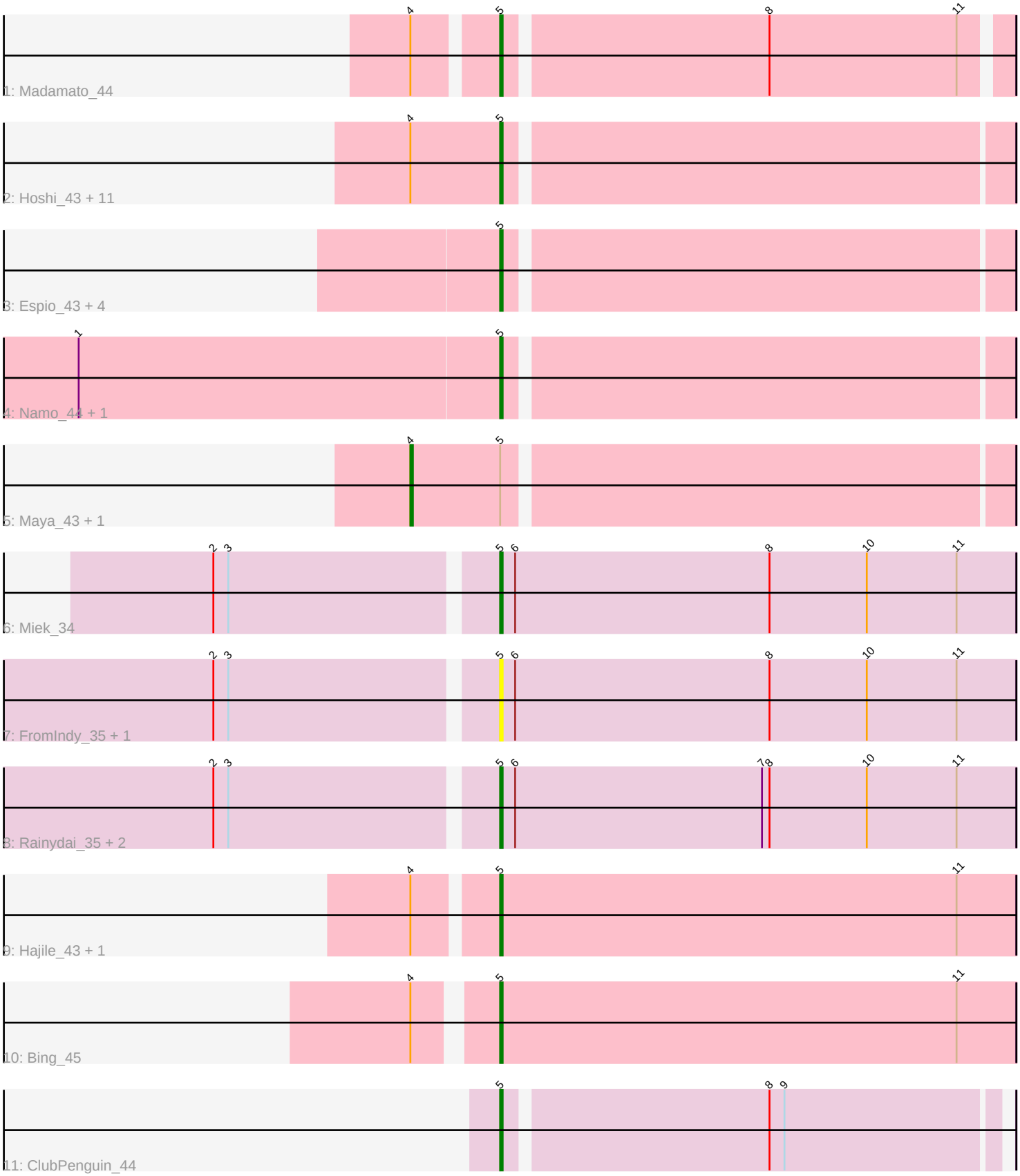
Pham 347880


4
5
8
11
1: Madamato_44
4
5
2: Hoshi_43 + 11
5
3: Espio_43 + 4
1
5
4: Namo_44 + 1
4
5
5: Maya_43 + 1
2
3
5
6
8
10
11
6: Miek_34
2
3
5
6
8
10
11
7: FromIndy_35 + 1
2
3
5
6
7
8
10
11
8: Rainydai_35 + 2
4
5
11
9: Hajile_43 + 1
4
5
11
10: Bing_45
5
8
9
11: ClubPenguin_44

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 347880 Report

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

Pham number 347880 has 32 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Madamato_44
• Track 2 : Hoshi_43, OlympicHelado_43, Spectropatronm_43, Indigenous_43, TieDye_42, CherryBlossom_43, IceWarrior_42, Esketit_43, TaidaOne_43, FidgetOrca_43, HazuAndZazu_42, TonyStarch_42
• Track 3 : Espio_43, Popy_43, FrodoSwaggins_43, Soshi_42, DrGrey_42
• Track 4 : Namo_44, Rima_44
• Track 5 : Maya_43, Jaylociraptor_43
• Track 6 : Miek_34
• Track 7 : FromIndy_35, Regigigas_36
• Track 8 : Rainydai_35, CricKo_35, Thiqqums_35
• Track 9 : Hajile_43, Wigberry_42
• Track 10 : Bing_45
• Track 11 : ClubPenguin_44

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

Genes that call this "Most Annotated" start:
• Bing_45, CherryBlossom_43, ClubPenguin_44, CricKo_35, DrGrey_42, Esketit_43, Espio_43, FidgetOrca_43, FrodoSwaggins_43, FromIndy_35, Hajile_43, HazuAndZazu_42, Hoshi_43, IceWarrior_42, Indigenous_43, Madamato_44, Miek_34, Namo_44, OlympicHelado_43, Popy_43, Rainydai_35, Regigigas_36, Rima_44, Soshi_42, Spectropatronm_43, TaidaOne_43, Thiqqums_35, TieDye_42, TonyStarch_42, Wigberry_42,

Genes that have the "Most Annotated" start but do not call it:
• Jaylociraptor_43, Maya_43,

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

Summary by start number:

Start 4:
• Found in 18 of 32 (56.2%) of genes in pham
• Manual Annotations of this start: 2 of 29
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Jaylociraptor_43 (BI1), Maya_43 (BI1),

Start 5:
• Found in 32 of 32 (100.0%) of genes in pham
• Manual Annotations of this start: 27 of 29
• Called 93.8% of time when present
• Phage (with cluster) where this start called: Bing_45 (BI5), CherryBlossom_43 (BI1), ClubPenguin_44 (BI7), CricKo_35 (BI4), DrGrey_42 (BI1), Esketit_43 (BI1), Espio_43 (BI1), FidgetOrca_43 (BI1), FrodoSwaggins_43 (BI1), FromIndy_35 (BI4), Hajile_43 (BI5), HazuAndZazu_42 (BI1), Hoshi_43 (BI1), IceWarrior_42 (BI1), Indigenous_43 (BI1), Madamato_44 (BI1), Miek_34 (BI4), Namo_44 (BI1), OlympicHelado_43 (BI1), Popy_43 (BI1), Rainydai_35 (BI4), Regigigas_36 (BI4), Rima_44 (BI1), Soshi_42 (BI1), Spectropatronm_43 (BI1), TaidaOne_43 (BI1), Thiqqums_35 (BI4), TieDye_42 (BI1), TonyStarch_42 (BI1), Wigberry_42 (BI5),

Summary by clusters:

There are 4 clusters represented in this pham: BI7, BI4, BI5, BI1,

Info for manual annotations of cluster BI1:
•Start number 4 was manually annotated 2 times for cluster BI1.
•Start number 5 was manually annotated 20 times for cluster BI1.

Info for manual annotations of cluster BI4:
•Start number 5 was manually annotated 4 times for cluster BI4.

Info for manual annotations of cluster BI5:
•Start number 5 was manually annotated 2 times for cluster BI5.

Info for manual annotations of cluster BI7:
•Start number 5 was manually annotated 1 time for cluster BI7.

Gene Information:

Gene: Bing_45 Start: 30261, Stop: 30467, Start Num: 5
Candidate Starts for Bing_45:
(Start: 4 @30234 has 2 MA's), (Start: 5 @30261 has 27 MA's), (11, 30444),

Gene: CherryBlossom_43 Start: 29659, Stop: 29856, Start Num: 5
Candidate Starts for CherryBlossom_43:
(Start: 4 @29623 has 2 MA's), (Start: 5 @29659 has 27 MA's),

Gene: ClubPenguin_44 Start: 29840, Stop: 30031, Start Num: 5
Candidate Starts for ClubPenguin_44:
(Start: 5 @29840 has 27 MA's), (8, 29942), (9, 29948),

Gene: CricKo_35 Start: 27119, Stop: 27325, Start Num: 5
Candidate Starts for CricKo_35:
(2, 27011), (3, 27017), (Start: 5 @27119 has 27 MA's), (6, 27125), (7, 27224), (8, 27227), (10, 27266), (11, 27302),

Gene: DrGrey_42 Start: 29999, Stop: 30196, Start Num: 5
Candidate Starts for DrGrey_42:
(Start: 5 @29999 has 27 MA's),

Gene: Esketit_43 Start: 29736, Stop: 29933, Start Num: 5
Candidate Starts for Esketit_43:
(Start: 4 @29700 has 2 MA's), (Start: 5 @29736 has 27 MA's),

Gene: Espio_43 Start: 30394, Stop: 30591, Start Num: 5
Candidate Starts for Espio_43:
(Start: 5 @30394 has 27 MA's),

Gene: FidgetOrca_43 Start: 29741, Stop: 29938, Start Num: 5
Candidate Starts for FidgetOrca_43:
(Start: 4 @29705 has 2 MA's), (Start: 5 @29741 has 27 MA's),

Gene: FrodoSwaggins_43 Start: 30393, Stop: 30590, Start Num: 5
Candidate Starts for FrodoSwaggins_43:
(Start: 5 @30393 has 27 MA's),

Gene: FromIndy_35 Start: 26723, Stop: 26929, Start Num: 5
Candidate Starts for FromIndy_35:
(2, 26615), (3, 26621), (Start: 5 @26723 has 27 MA's), (6, 26729), (8, 26831), (10, 26870), (11, 26906),

Gene: Hajile_43 Start: 28827, Stop: 29033, Start Num: 5
Candidate Starts for Hajile_43:
(Start: 4 @28797 has 2 MA's), (Start: 5 @28827 has 27 MA's), (11, 29010),

Gene: HazuAndZazu_42 Start: 29995, Stop: 30192, Start Num: 5
Candidate Starts for HazuAndZazu_42:
(Start: 4 @29959 has 2 MA's), (Start: 5 @29995 has 27 MA's),

Gene: Hoshi_43 Start: 29736, Stop: 29933, Start Num: 5
Candidate Starts for Hoshi_43:
(Start: 4 @29700 has 2 MA's), (Start: 5 @29736 has 27 MA's),

Gene: IceWarrior_42 Start: 29436, Stop: 29633, Start Num: 5
Candidate Starts for IceWarrior_42:
(Start: 4 @29400 has 2 MA's), (Start: 5 @29436 has 27 MA's),

Gene: Indigenous_43 Start: 29736, Stop: 29933, Start Num: 5
Candidate Starts for Indigenous_43:
(Start: 4 @29700 has 2 MA's), (Start: 5 @29736 has 27 MA's),

Gene: Jaylociraptor_43 Start: 29700, Stop: 29933, Start Num: 4
Candidate Starts for Jaylociraptor_43:
(Start: 4 @29700 has 2 MA's), (Start: 5 @29736 has 27 MA's),

Gene: Madamato_44 Start: 29907, Stop: 30101, Start Num: 5
Candidate Starts for Madamato_44:
(Start: 4 @29877 has 2 MA's), (Start: 5 @29907 has 27 MA's), (8, 30009), (11, 30084),

Gene: Maya_43 Start: 29714, Stop: 29947, Start Num: 4
Candidate Starts for Maya_43:
(Start: 4 @29714 has 2 MA's), (Start: 5 @29750 has 27 MA's),

Gene: Miek_34 Start: 26735, Stop: 26941, Start Num: 5
Candidate Starts for Miek_34:
(2, 26627), (3, 26633), (Start: 5 @26735 has 27 MA's), (6, 26741), (8, 26843), (10, 26882), (11, 26918),

Gene: Namo_44 Start: 30082, Stop: 30279, Start Num: 5
Candidate Starts for Namo_44:
(1, 29914), (Start: 5 @30082 has 27 MA's),

Gene: OlympicHelado_43 Start: 29757, Stop: 29954, Start Num: 5
Candidate Starts for OlympicHelado_43:
(Start: 4 @29721 has 2 MA's), (Start: 5 @29757 has 27 MA's),

Gene: Popy_43 Start: 30393, Stop: 30590, Start Num: 5
Candidate Starts for Popy_43:
(Start: 5 @30393 has 27 MA's),

Gene: Rainydai_35 Start: 27119, Stop: 27325, Start Num: 5
Candidate Starts for Rainydai_35:
(2, 27011), (3, 27017), (Start: 5 @27119 has 27 MA's), (6, 27125), (7, 27224), (8, 27227), (10, 27266), (11, 27302),

Gene: Regigigas_36 Start: 27119, Stop: 27325, Start Num: 5
Candidate Starts for Regigigas_36:
(2, 27011), (3, 27017), (Start: 5 @27119 has 27 MA's), (6, 27125), (8, 27227), (10, 27266), (11, 27302),

Gene: Rima_44 Start: 30082, Stop: 30279, Start Num: 5
Candidate Starts for Rima_44:
(1, 29914), (Start: 5 @30082 has 27 MA's),

Gene: Soshi_42 Start: 30005, Stop: 30202, Start Num: 5
Candidate Starts for Soshi_42:
(Start: 5 @30005 has 27 MA's),

Gene: Spectropatronm_43 Start: 29736, Stop: 29933, Start Num: 5
Candidate Starts for Spectropatronm_43:
(Start: 4 @29700 has 2 MA's), (Start: 5 @29736 has 27 MA's),

Gene: TaidaOne_43 Start: 30290, Stop: 30487, Start Num: 5
Candidate Starts for TaidaOne_43:
(Start: 4 @30254 has 2 MA's), (Start: 5 @30290 has 27 MA's),

Gene: Thiqqums_35 Start: 27119, Stop: 27325, Start Num: 5
Candidate Starts for Thiqqums_35:
(2, 27011), (3, 27017), (Start: 5 @27119 has 27 MA's), (6, 27125), (7, 27224), (8, 27227), (10, 27266), (11, 27302),

Gene: TieDye_42 Start: 29334, Stop: 29531, Start Num: 5
Candidate Starts for TieDye_42:
(Start: 4 @29298 has 2 MA's), (Start: 5 @29334 has 27 MA's),

Gene: TonyStarch_42 Start: 29439, Stop: 29636, Start Num: 5
Candidate Starts for TonyStarch_42:
(Start: 4 @29403 has 2 MA's), (Start: 5 @29439 has 27 MA's),

Gene: Wigberry_42 Start: 28830, Stop: 29036, Start Num: 5
Candidate Starts for Wigberry_42:
(Start: 4 @28800 has 2 MA's), (Start: 5 @28830 has 27 MA's), (11, 29013),