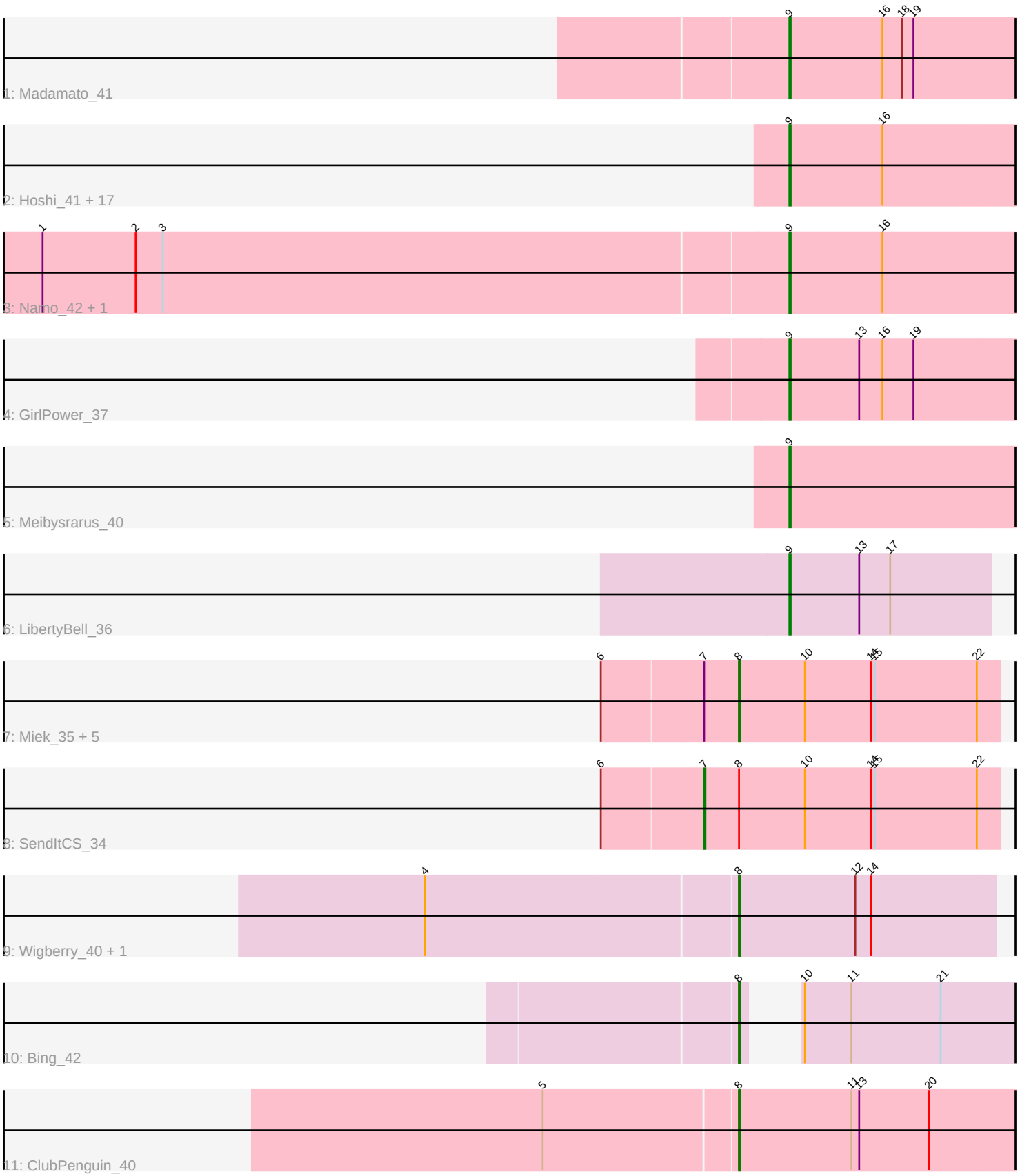
Pham 347842


1: Madamato_41
2: Hoshi_41 + 17
3: Namo_42 + 1
4: GirlPower_37
5: Meibysrarus_40
6: LibertyBell_36
7: Miek_35 + 5
8: SendItCS_34
9: Wigberry_40 + 1
10: Bing_42
11: ClubPenguin_40

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 347842 Report

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

Pham number 347842 has 35 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Madamato_41
• Track 2 : Hoshi_41, Espio_41, OlympicHelado_41, TieDye_40, Indigenous_41, Popy_41, CherryBlossom_41, Jaylociraptor_41, IceWarrior_40, FrodoSwaggins_41, Esketit_41, TaidaOne_41, FidgetOrca_41, HazuAndZazu_40, TonyStarch_40, Soshi_40, Maya_41, DrGrey_40
• Track 3 : Namo_42, Rima_42
• Track 4 : GirlPower_37
• Track 5 : Meibysrarus_40
• Track 6 : LibertyBell_36
• Track 7 : Miek_35, FromIndy_36, Regigigas_37, Rainydai_36, CricKo_36, Thiqqums_36
• Track 8 : SendItCS_34
• Track 9 : Wigberry_40, Hajile_41
• Track 10 : Bing_42
• Track 11 : ClubPenguin_40

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

The start number called the most often in the published annotations is 9, it was called in 24 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CherryBlossom_41, DrGrey_40, Esketit_41, Espio_41, FidgetOrca_41, FrodoSwaggins_41, GirlPower_37, HazuAndZazu_40, Hoshi_41, IceWarrior_40, Indigenous_41, Jaylociraptor_41, LibertyBell_36, Madamato_41, Maya_41, Meibysrarus_40, Namo_42, OlympicHelado_41, Popy_41, Rima_42, Soshi_40, TaidaOne_41, TieDye_40, TonyStarch_40,

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

Genes that do not have the "Most Annotated" start:
• Bing_42, ClubPenguin_40, CricKo_36, FromIndy_36, Hajile_41, Miek_35, Rainydai_36, Regigigas_37, SendItCS_34, Thiqqums_36, Wigberry_40,

Summary by start number:

Start 7:
• Found in 7 of 35 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 32
• Called 14.3% of time when present
• Phage (with cluster) where this start called: SendItCS_34 (BI4),

Start 8:
• Found in 11 of 35 (31.4%) of genes in pham
• Manual Annotations of this start: 7 of 32
• Called 90.9% of time when present
• Phage (with cluster) where this start called: Bing_42 (BI5), ClubPenguin_40 (BI7), CricKo_36 (BI4), FromIndy_36 (BI4), Hajile_41 (BI5), Miek_35 (BI4), Rainydai_36 (BI4), Regigigas_37 (BI4), Thiqqums_36 (BI4), Wigberry_40 (BI5),

Start 9:
• Found in 24 of 35 (68.6%) of genes in pham
• Manual Annotations of this start: 24 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CherryBlossom_41 (BI1), DrGrey_40 (BI1), Esketit_41 (BI1), Espio_41 (BI1), FidgetOrca_41 (BI1), FrodoSwaggins_41 (BI1), GirlPower_37 (BI1), HazuAndZazu_40 (BI1), Hoshi_41 (BI1), IceWarrior_40 (BI1), Indigenous_41 (BI1), Jaylociraptor_41 (BI1), LibertyBell_36 (BI3), Madamato_41 (BI1), Maya_41 (BI1), Meibysrarus_40 (BI1), Namo_42 (BI1), OlympicHelado_41 (BI1), Popy_41 (BI1), Rima_42 (BI1), Soshi_40 (BI1), TaidaOne_41 (BI1), TieDye_40 (BI1), TonyStarch_40 (BI1),

Summary by clusters:

There are 5 clusters represented in this pham: BI7, BI4, BI5, BI3, BI1,

Info for manual annotations of cluster BI1:
•Start number 9 was manually annotated 23 times for cluster BI1.

Info for manual annotations of cluster BI3:
•Start number 9 was manually annotated 1 time for cluster BI3.

Info for manual annotations of cluster BI4:
•Start number 7 was manually annotated 1 time for cluster BI4.
•Start number 8 was manually annotated 4 times for cluster BI4.

Info for manual annotations of cluster BI5:
•Start number 8 was manually annotated 2 times for cluster BI5.

Info for manual annotations of cluster BI7:
•Start number 8 was manually annotated 1 time for cluster BI7.

Gene Information:

Gene: Bing_42 Start: 29072, Stop: 29242, Start Num: 8
Candidate Starts for Bing_42:
(Start: 8 @29072 has 7 MA's), (10, 29081), (11, 29117), (21, 29186),

Gene: CherryBlossom_41 Start: 29181, Stop: 29375, Start Num: 9
Candidate Starts for CherryBlossom_41:
(Start: 9 @29181 has 24 MA's), (16, 29253),

Gene: ClubPenguin_40 Start: 28245, Stop: 28460, Start Num: 8
Candidate Starts for ClubPenguin_40:
(5, 28098), (Start: 8 @28245 has 7 MA's), (11, 28332), (13, 28338), (20, 28392),

Gene: CricKo_36 Start: 27387, Stop: 27587, Start Num: 8
Candidate Starts for CricKo_36:
(6, 27285), (Start: 7 @27360 has 1 MA's), (Start: 8 @27387 has 7 MA's), (10, 27438), (14, 27489), (15, 27492), (22, 27570),

Gene: DrGrey_40 Start: 29522, Stop: 29716, Start Num: 9
Candidate Starts for DrGrey_40:
(Start: 9 @29522 has 24 MA's), (16, 29594),

Gene: Esketit_41 Start: 29258, Stop: 29452, Start Num: 9
Candidate Starts for Esketit_41:
(Start: 9 @29258 has 24 MA's), (16, 29330),

Gene: Espio_41 Start: 29917, Stop: 30111, Start Num: 9
Candidate Starts for Espio_41:
(Start: 9 @29917 has 24 MA's), (16, 29989),

Gene: FidgetOrca_41 Start: 29263, Stop: 29457, Start Num: 9
Candidate Starts for FidgetOrca_41:
(Start: 9 @29263 has 24 MA's), (16, 29335),

Gene: FrodoSwaggins_41 Start: 29916, Stop: 30110, Start Num: 9
Candidate Starts for FrodoSwaggins_41:
(Start: 9 @29916 has 24 MA's), (16, 29988),

Gene: FromIndy_36 Start: 26991, Stop: 27191, Start Num: 8
Candidate Starts for FromIndy_36:
(6, 26889), (Start: 7 @26964 has 1 MA's), (Start: 8 @26991 has 7 MA's), (10, 27042), (14, 27093), (15, 27096), (22, 27174),

Gene: GirlPower_37 Start: 30052, Stop: 30246, Start Num: 9
Candidate Starts for GirlPower_37:
(Start: 9 @30052 has 24 MA's), (13, 30106), (16, 30124), (19, 30148),

Gene: Hajile_41 Start: 28336, Stop: 28533, Start Num: 8
Candidate Starts for Hajile_41:
(4, 28099), (Start: 8 @28336 has 7 MA's), (12, 28426), (14, 28438),

Gene: HazuAndZazu_40 Start: 29517, Stop: 29711, Start Num: 9
Candidate Starts for HazuAndZazu_40:
(Start: 9 @29517 has 24 MA's), (16, 29589),

Gene: Hoshi_41 Start: 29258, Stop: 29452, Start Num: 9
Candidate Starts for Hoshi_41:
(Start: 9 @29258 has 24 MA's), (16, 29330),

Gene: IceWarrior_40 Start: 28958, Stop: 29152, Start Num: 9
Candidate Starts for IceWarrior_40:
(Start: 9 @28958 has 24 MA's), (16, 29030),

Gene: Indigenous_41 Start: 29258, Stop: 29452, Start Num: 9
Candidate Starts for Indigenous_41:
(Start: 9 @29258 has 24 MA's), (16, 29330),

Gene: Jaylociraptor_41 Start: 29258, Stop: 29452, Start Num: 9
Candidate Starts for Jaylociraptor_41:
(Start: 9 @29258 has 24 MA's), (16, 29330),

Gene: LibertyBell_36 Start: 27043, Stop: 27198, Start Num: 9
Candidate Starts for LibertyBell_36:
(Start: 9 @27043 has 24 MA's), (13, 27097), (17, 27121),

Gene: Madamato_41 Start: 29143, Stop: 29337, Start Num: 9
Candidate Starts for Madamato_41:
(Start: 9 @29143 has 24 MA's), (16, 29215), (18, 29230), (19, 29239),

Gene: Maya_41 Start: 29272, Stop: 29466, Start Num: 9
Candidate Starts for Maya_41:
(Start: 9 @29272 has 24 MA's), (16, 29344),

Gene: Meibysrarus_40 Start: 28957, Stop: 29151, Start Num: 9
Candidate Starts for Meibysrarus_40:
(Start: 9 @28957 has 24 MA's),

Gene: Miek_35 Start: 27003, Stop: 27203, Start Num: 8
Candidate Starts for Miek_35:
(6, 26901), (Start: 7 @26976 has 1 MA's), (Start: 8 @27003 has 7 MA's), (10, 27054), (14, 27105), (15, 27108), (22, 27186),

Gene: Namo_42 Start: 29605, Stop: 29799, Start Num: 9
Candidate Starts for Namo_42:
(1, 29056), (2, 29128), (3, 29149), (Start: 9 @29605 has 24 MA's), (16, 29677),

Gene: OlympicHelado_41 Start: 29279, Stop: 29473, Start Num: 9
Candidate Starts for OlympicHelado_41:
(Start: 9 @29279 has 24 MA's), (16, 29351),

Gene: Popy_41 Start: 29916, Stop: 30110, Start Num: 9
Candidate Starts for Popy_41:
(Start: 9 @29916 has 24 MA's), (16, 29988),

Gene: Rainydai_36 Start: 27387, Stop: 27587, Start Num: 8
Candidate Starts for Rainydai_36:

(6, 27285), (Start: 7 @27360 has 1 MA's), (Start: 8 @27387 has 7 MA's), (10, 27438), (14, 27489), (15, 27492), (22, 27570),

Gene: Regigigas_37 Start: 27387, Stop: 27587, Start Num: 8
Candidate Starts for Regigigas_37:
(6, 27285), (Start: 7 @27360 has 1 MA's), (Start: 8 @27387 has 7 MA's), (10, 27438), (14, 27489), (15, 27492), (22, 27570),

Gene: Rima_42 Start: 29605, Stop: 29799, Start Num: 9
Candidate Starts for Rima_42:
(1, 29056), (2, 29128), (3, 29149), (Start: 9 @29605 has 24 MA's), (16, 29677),

Gene: SendItCS_34 Start: 26976, Stop: 27203, Start Num: 7
Candidate Starts for SendItCS_34:
(6, 26901), (Start: 7 @26976 has 1 MA's), (Start: 8 @27003 has 7 MA's), (10, 27054), (14, 27105), (15, 27108), (22, 27186),

Gene: Soshi_40 Start: 29528, Stop: 29722, Start Num: 9
Candidate Starts for Soshi_40:
(Start: 9 @29528 has 24 MA's), (16, 29600),

Gene: TaidaOne_41 Start: 29812, Stop: 30006, Start Num: 9
Candidate Starts for TaidaOne_41:
(Start: 9 @29812 has 24 MA's), (16, 29884),

Gene: Thiqqums_36 Start: 27387, Stop: 27587, Start Num: 8
Candidate Starts for Thiqqums_36:
(6, 27285), (Start: 7 @27360 has 1 MA's), (Start: 8 @27387 has 7 MA's), (10, 27438), (14, 27489), (15, 27492), (22, 27570),

Gene: TieDye_40 Start: 28856, Stop: 29050, Start Num: 9
Candidate Starts for TieDye_40:
(Start: 9 @28856 has 24 MA's), (16, 28928),

Gene: TonyStarch_40 Start: 28961, Stop: 29155, Start Num: 9
Candidate Starts for TonyStarch_40:
(Start: 9 @28961 has 24 MA's), (16, 29033),

Gene: Wigberry_40 Start: 28339, Stop: 28536, Start Num: 8
Candidate Starts for Wigberry_40:
(4, 28102), (Start: 8 @28339 has 7 MA's), (12, 28429), (14, 28441),