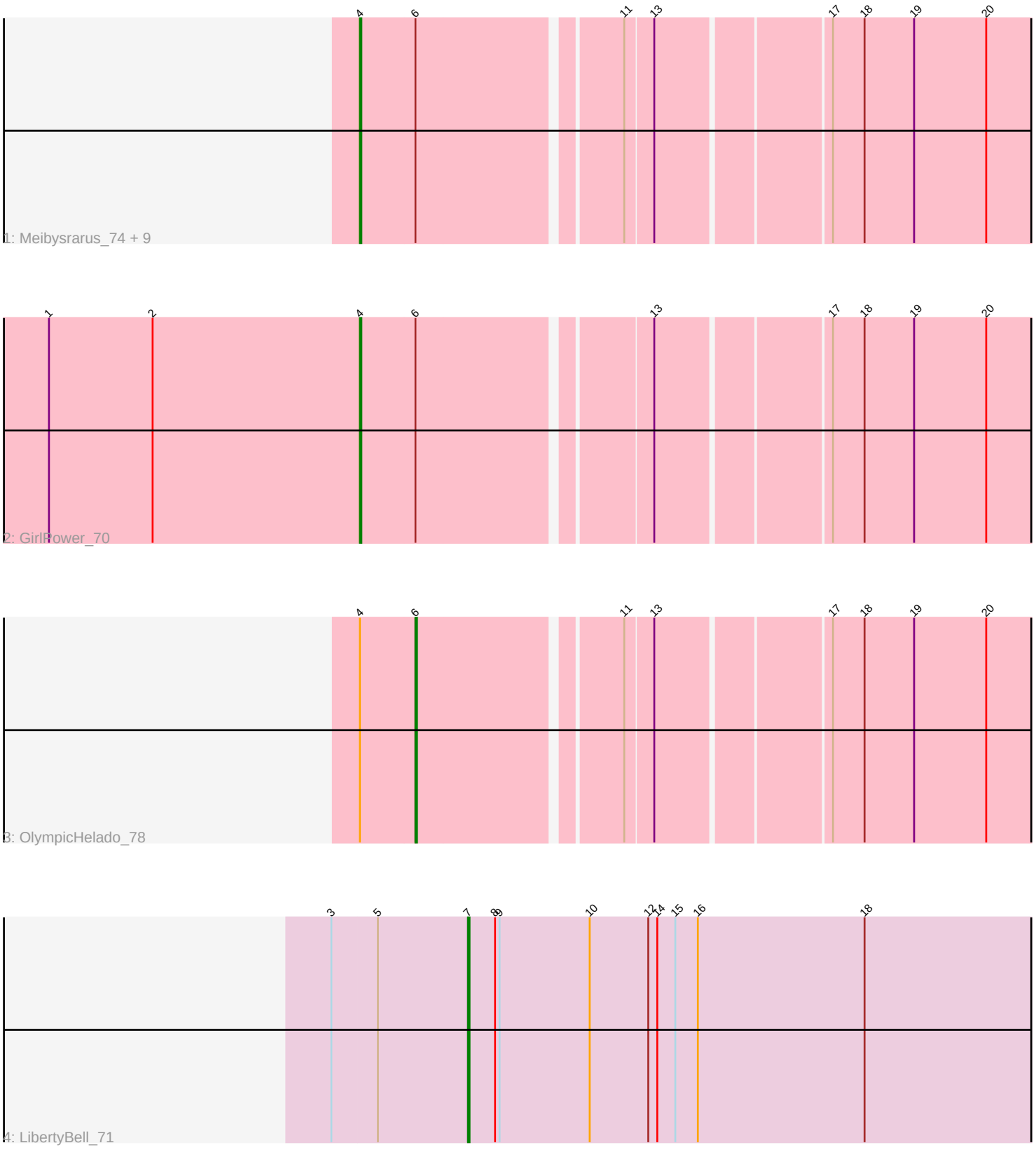
# Pham 346300


4
6
11
13
17
18
19
20
1: Meibysrarus_74 + 9
1
2
4
6
13
17
18
19
20
2: GirlPower_70
4
6
11
13
17
18
19
20
3: OlympicHelado_78
3
5
7
8
9
10
12
14
15
16
18
4: LibertyBell_71

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 346300 Report

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

Pham number 346300 has 13 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Meibysrarus_74, Indigenous_78, Esketit_72, Jaylociraptor_76, FidgetOrca_78, CherryBlossom_76, Hoshi_77, Maya_76, Spectropatronm_75, TonyStarch_75
• Track 2 : GirlPower_70
• Track 3 : OlympicHelado_78
• Track 4 : LibertyBell_71

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

The start number called the most often in the published annotations is 4, it was called in 11 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CherryBlossom_76, Esketit_72, FidgetOrca_78, GirlPower_70, Hoshi_77, Indigenous_78, Jaylociraptor_76, Maya_76, Meibysrarus_74, Spectropatronm_75, TonyStarch_75,

Genes that have the "Most Annotated" start but do not call it:
• OlympicHelado_78,

Genes that do not have the "Most Annotated" start:
• LibertyBell_71,

**Summary by start number:**

Start 4:
• Found in 12 of 13 ( 92.3% ) of genes in pham
• Manual Annotations of this start: 11 of 13
• Called 91.7% of time when present
• Phage (with cluster) where this start called: CherryBlossom_76 (BI1), Esketit_72 (BI1), FidgetOrca_78 (BI1), GirlPower_70 (BI1), Hoshi_77 (BI1), Indigenous_78 (BI1), Jaylociraptor_76 (BI1), Maya_76 (BI1), Meibysrarus_74 (BI1), Spectropatronm_75 (BI1), TonyStarch_75 (BI1),

Start 6:
• Found in 12 of 13 ( 92.3% ) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 8.3% of time when present
• Phage (with cluster) where this start called: OlympicHelado_78 (BI1),

Start 7:
• Found in 1 of 13 ( 7.7% ) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LibertyBell_71 (BI3),

**Summary by clusters:**

There are 2 clusters represented in this pham: BI3, BI1,

Info for manual annotations of cluster BI1:
•Start number 4 was manually annotated 11 times for cluster BI1.
•Start number 6 was manually annotated 1 time for cluster BI1.

Info for manual annotations of cluster BI3:
•Start number 7 was manually annotated 1 time for cluster BI3.

***Gene Information:***

Gene: CherryBlossom_76 Start: 46870, Stop: 47334, Start Num: 4
Candidate Starts for CherryBlossom_76:
(Start: 4 @46870 has 11 MA's), (Start: 6 @46906 has 1 MA's), (11, 47032), (13, 47050), (17, 47158), (18, 47179), (19, 47212), (20, 47260),

Gene: Esketit_72 Start: 45971, Stop: 46435, Start Num: 4
Candidate Starts for Esketit_72:
(Start: 4 @45971 has 11 MA's), (Start: 6 @46007 has 1 MA's), (11, 46133), (13, 46151), (17, 46259), (18, 46280), (19, 46313), (20, 46361),

Gene: FidgetOrca_78 Start: 47421, Stop: 47885, Start Num: 4
Candidate Starts for FidgetOrca_78:
(Start: 4 @47421 has 11 MA's), (Start: 6 @47457 has 1 MA's), (11, 47583), (13, 47601), (17, 47709), (18, 47730), (19, 47763), (20, 47811),

Gene: GirlPower_70 Start: 47160, Stop: 47624, Start Num: 4
Candidate Starts for GirlPower_70:
(1, 46953), (2, 47022), (Start: 4 @47160 has 11 MA's), (Start: 6 @47196 has 1 MA's), (13, 47340), (17, 47448), (18, 47469), (19, 47502), (20, 47550),

Gene: Hoshi_77 Start: 47034, Stop: 47498, Start Num: 4
Candidate Starts for Hoshi_77:
(Start: 4 @47034 has 11 MA's), (Start: 6 @47070 has 1 MA's), (11, 47196), (13, 47214), (17, 47322), (18, 47343), (19, 47376), (20, 47424),

Gene: Indigenous_78 Start: 47425, Stop: 47889, Start Num: 4

Candidate Starts for Indigenous_78:
(Start: 4 @47425 has 11 MA's), (Start: 6 @47461 has 1 MA's), (11, 47587), (13, 47605), (17, 47713), (18, 47734), (19, 47767), (20, 47815),

Gene: Jaylociraptor_76 Start: 47006, Stop: 47470, Start Num: 4
Candidate Starts for Jaylociraptor_76:
(Start: 4 @47006 has 11 MA's), (Start: 6 @47042 has 1 MA's), (11, 47168), (13, 47186), (17, 47294), (18, 47315), (19, 47348), (20, 47396),

Gene: LibertyBell_71 Start: 45192, Stop: 45587, Start Num: 7
Candidate Starts for LibertyBell_71:
(3, 45102), (5, 45132), (Start: 7 @45192 has 1 MA's), (8, 45210), (9, 45213), (10, 45273), (12, 45312), (14, 45318), (15, 45330), (16, 45345), (18, 45456),

Gene: Maya_76 Start: 47020, Stop: 47484, Start Num: 4
Candidate Starts for Maya_76:
(Start: 4 @47020 has 11 MA's), (Start: 6 @47056 has 1 MA's), (11, 47182), (13, 47200), (17, 47308), (18, 47329), (19, 47362), (20, 47410),

Gene: Meibysrarus_74 Start: 46404, Stop: 46868, Start Num: 4
Candidate Starts for Meibysrarus_74:
(Start: 4 @46404 has 11 MA's), (Start: 6 @46440 has 1 MA's), (11, 46566), (13, 46584), (17, 46692), (18, 46713), (19, 46746), (20, 46794),

Gene: OlympicHelado_78 Start: 47532, Stop: 47960, Start Num: 6
Candidate Starts for OlympicHelado_78:
(Start: 4 @47496 has 11 MA's), (Start: 6 @47532 has 1 MA's), (11, 47658), (13, 47676), (17, 47784), (18, 47805), (19, 47838), (20, 47886),

Gene: Spectropatronm_75 Start: 47013, Stop: 47477, Start Num: 4
Candidate Starts for Spectropatronm_75:
(Start: 4 @47013 has 11 MA's), (Start: 6 @47049 has 1 MA's), (11, 47175), (13, 47193), (17, 47301), (18, 47322), (19, 47355), (20, 47403),

Gene: TonyStarch_75 Start: 46776, Stop: 47240, Start Num: 4
Candidate Starts for TonyStarch_75:
(Start: 4 @46776 has 11 MA's), (Start: 6 @46812 has 1 MA's), (11, 46938), (13, 46956), (17, 47064), (18, 47085), (19, 47118), (20, 47166),