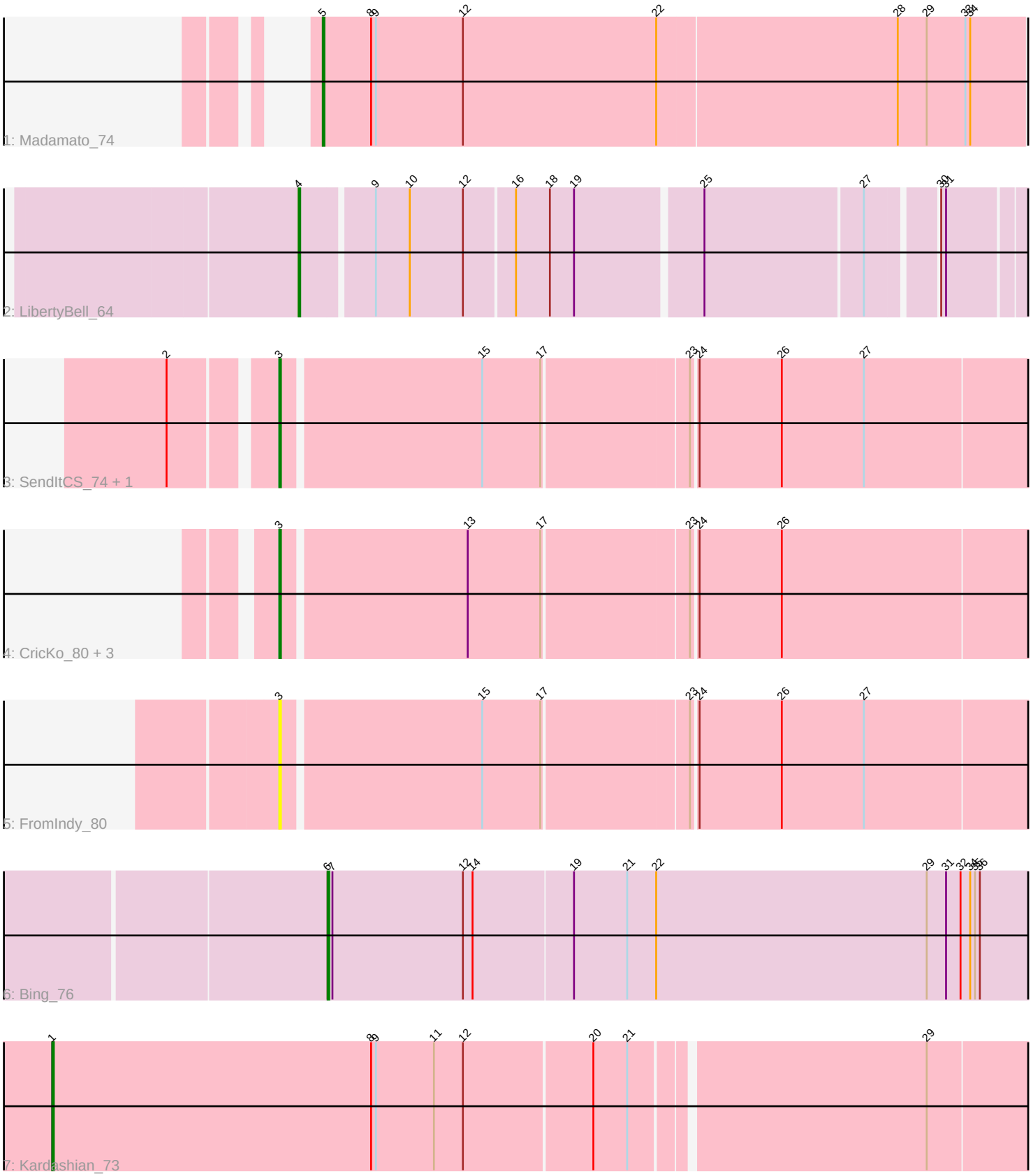
# Pham 346377


1: Madamato_74
2: LibertyBell_64
3: SendItCS_74 + 1
4: CricKo_80 + 3
5: FromIndy_80
6: Bing_76
7: Kardashian_73

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 346377 Report

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

Pham number 346377 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Madamato_74
• Track 2 : LibertyBell_64
• Track 3 : SendItCS_74, Miek_76
• Track 4 : CricKo_80, Regigigas_80, Thiqqums_80, Rainydai_77
• Track 5 : FromIndy_80
• Track 6 : Bing_76
• Track 7 : Kardashian_73

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CricKo_80, FromIndy_80, Miek_76, Rainydai_77, Regigigas_80, SendItCS_74, Thiqqums_80,

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

Genes that do not have the "Most Annotated" start:
• Bing_76, Kardashian_73, LibertyBell_64, Madamato_74,

**Summary by start number:**

Start 1:
• Found in 1 of 11 ( 9.1% ) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kardashian_73 (BI6),

Start 3:
• Found in 7 of 11 ( 63.6% ) of genes in pham
• Manual Annotations of this start: 5 of 9

• Called 100.0% of time when present
• Phage (with cluster) where this start called: CricKo_80 (BI4), FromIndy_80 (BI4), Miek_76 (BI4), Rainydai_77 (BI4), Regigigas_80 (BI4), SendItCS_74 (BI4), Thiqqums_80 (BI4),

Start 4:
• Found in 1 of 11 ( 9.1% ) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LibertyBell_64 (BI3),

Start 5:
• Found in 1 of 11 ( 9.1% ) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Madamato_74 (BI1),

Start 6:
• Found in 1 of 11 ( 9.1% ) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bing_76 (BI5),

**Summary by clusters:**

There are 5 clusters represented in this pham: BI6, BI4, BI5, BI3, BI1,

Info for manual annotations of cluster BI1:
•Start number 5 was manually annotated 1 time for cluster BI1.

Info for manual annotations of cluster BI3:
•Start number 4 was manually annotated 1 time for cluster BI3.

Info for manual annotations of cluster BI4:
•Start number 3 was manually annotated 5 times for cluster BI4.

Info for manual annotations of cluster BI5:
•Start number 6 was manually annotated 1 time for cluster BI5.

Info for manual annotations of cluster BI6:
•Start number 1 was manually annotated 1 time for cluster BI6.

***Gene Information:***

Gene: Bing_76 Start: 47011, Stop: 47502, Start Num: 6
Candidate Starts for Bing_76:
(Start: 6 @47011 has 1 MA's), (7, 47014), (12, 47095), (14, 47101), (19, 47161), (21, 47194), (22, 47212), (29, 47380), (31, 47392), (32, 47401), (34, 47407), (35, 47410), (36, 47413),

Gene: CricKo_80 Start: 47786, Stop: 48292, Start Num: 3
Candidate Starts for CricKo_80:

(Start: 3 @47786 has 5 MA's), (13, 47897), (17, 47942), (23, 48029), (24, 48032), (26, 48083),

Gene: FromIndy_80 Start: 47423, Stop: 47929, Start Num: 3
Candidate Starts for FromIndy_80:
(Start: 3 @47423 has 5 MA's), (15, 47543), (17, 47579), (23, 47666), (24, 47669), (26, 47720), (27, 47771),

Gene: Kardashian_73 Start: 47297, Stop: 47923, Start Num: 1
Candidate Starts for Kardashian_73:
(Start: 1 @47297 has 1 MA's), (8, 47495), (9, 47498), (11, 47534), (12, 47552), (20, 47630), (21, 47651), (29, 47825),

Gene: LibertyBell_64 Start: 42340, Stop: 42816, Start Num: 4
Candidate Starts for LibertyBell_64:
(Start: 4 @42340 has 1 MA's), (9, 42382), (10, 42403), (12, 42436), (16, 42466), (18, 42487), (19, 42502), (25, 42577), (27, 42673), (30, 42712), (31, 42715),

Gene: Madamato_74 Start: 46213, Stop: 46704, Start Num: 5
Candidate Starts for Madamato_74:
(Start: 5 @46213 has 1 MA's), (8, 46243), (9, 46246), (12, 46300), (22, 46420), (28, 46567), (29, 46585), (33, 46609), (34, 46612),

Gene: Miek_76 Start: 46604, Stop: 47110, Start Num: 3
Candidate Starts for Miek_76:
(2, 46547), (Start: 3 @46604 has 5 MA's), (15, 46724), (17, 46760), (23, 46847), (24, 46850), (26, 46901), (27, 46952),

Gene: Rainydai_77 Start: 47786, Stop: 48292, Start Num: 3
Candidate Starts for Rainydai_77:
(Start: 3 @47786 has 5 MA's), (13, 47897), (17, 47942), (23, 48029), (24, 48032), (26, 48083),

Gene: Regigigas_80 Start: 47398, Stop: 47904, Start Num: 3
Candidate Starts for Regigigas_80:
(Start: 3 @47398 has 5 MA's), (13, 47509), (17, 47554), (23, 47641), (24, 47644), (26, 47695),

Gene: SendItCS_74 Start: 46592, Stop: 47098, Start Num: 3
Candidate Starts for SendItCS_74:
(2, 46535), (Start: 3 @46592 has 5 MA's), (15, 46712), (17, 46748), (23, 46835), (24, 46838), (26, 46889), (27, 46940),

Gene: Thiqqums_80 Start: 47786, Stop: 48292, Start Num: 3
Candidate Starts for Thiqqums_80:
(Start: 3 @47786 has 5 MA's), (13, 47897), (17, 47942), (23, 48029), (24, 48032), (26, 48083),