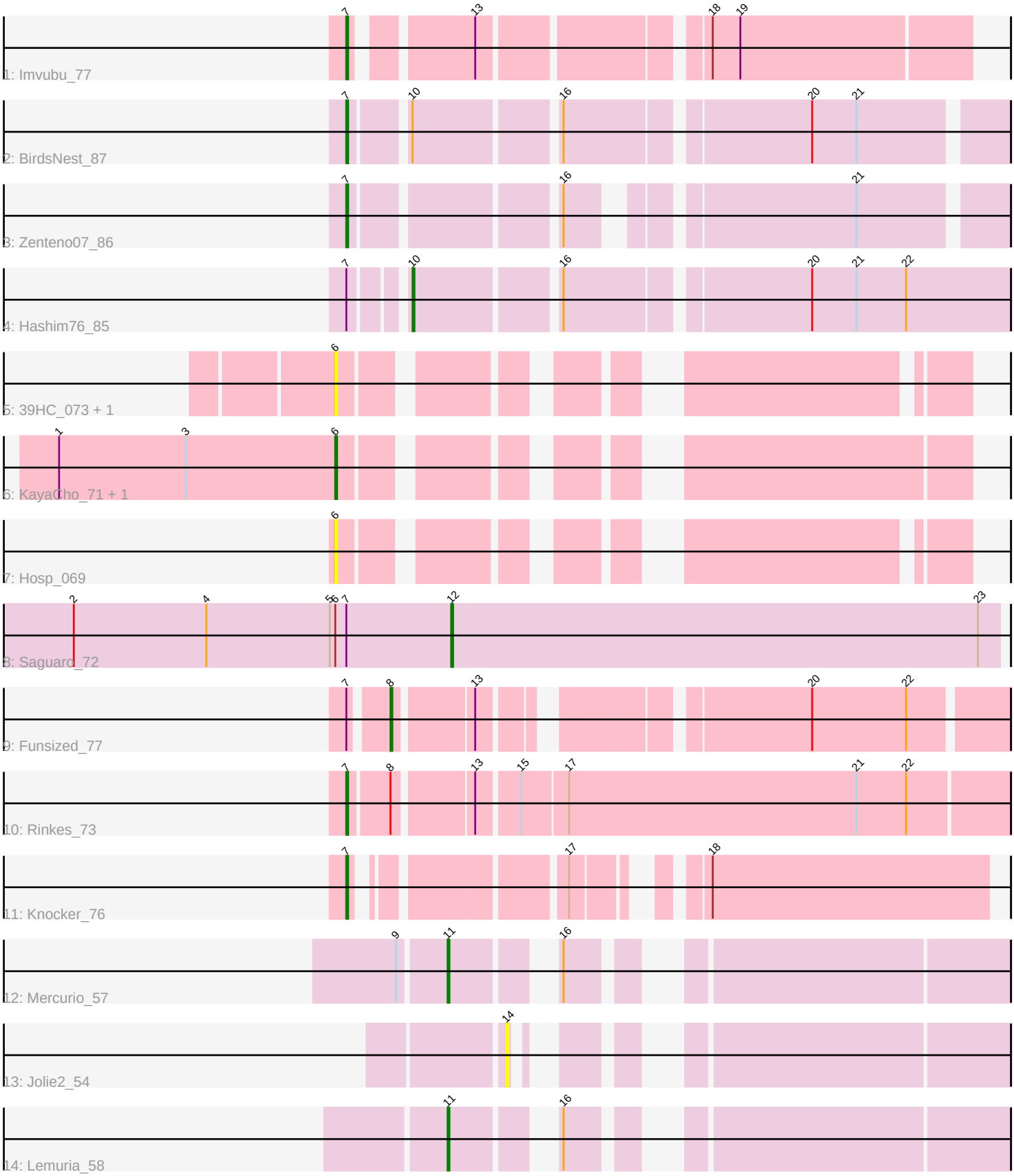
Pham 305380


1: Imvubu_77
2: BirdsNest_87
3: Zenteno07_86
4: Hashim76_85
5: 39HC_073 + 1
6: KayaCho_71 + 1
7: Hosp_069
8: Saguaro_72
9: Funsized_77
10: Rinkes_73
11: Knocker_76
12: Mercurio_57
13: Jolie2_54
14: Lemuria_58

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 305380 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305380 has 16 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Imvubu_77
• Track 2 : BirdsNest_87
• Track 3 : Zenteno07_86
• Track 4 : Hashim76_85
• Track 5 : 39HC_073, 40BC_073
• Track 6 : KayaCho_71, Jolie1_071
• Track 7 : Hosp_069
• Track 8 : Saguaro_72
• Track 9 : Funsized_77
• Track 10 : Rinkes_73
• Track 11 : Knocker_76
• Track 12 : Mercurio_57
• Track 13 : Jolie2_54
• Track 14 : Lemuria_58

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 5 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BirdsNest_87, Imvubu_77, Knocker_76, Rinkes_73, Zenteno07_86,

Genes that have the "Most Annotated" start but do not call it:
• Funsized_77, Hashim76_85, Saguaro_72,

Genes that do not have the "Most Annotated" start:
• 39HC_073, 40BC_073, Hosp_069, Jolie1_071, Jolie2_54, KayaCho_71, Lemuria_58, Mercurio_57,

Summary by start number:

Start 6:
• Found in 6 of 16 (37.5%) of genes in pham

• Manual Annotations of this start: 1 of 11
• Called 83.3% of time when present
• Phage (with cluster) where this start called: 39HC_073 (B6), 40BC_073 (B6), Hosp_069 (B6), Jolie1_071 (B6), KayaCho_71 (B6),

Start 7:
• Found in 8 of 16 (50.0%) of genes in pham
• Manual Annotations of this start: 5 of 11
• Called 62.5% of time when present
• Phage (with cluster) where this start called: BirdsNest_87 (B13), Imvubu_77 (B10), Knocker_76 (B9), Rinkes_73 (B9), Zenteno07_86 (B13),

Start 8:
• Found in 2 of 16 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Funsized_77 (B9),

Start 10:
• Found in 2 of 16 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Hashim76_85 (B13),

Start 11:
• Found in 2 of 16 (12.5%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lemuria_58 (G4), Mercurio_57 (G4),

Start 12:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Saguaro_72 (B7),

Start 14:
• Found in 1 of 16 (6.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jolie2_54 (G4),

Summary by clusters:

There are 6 clusters represented in this pham: G4, B6, B7, B13, B10, B9,

Info for manual annotations of cluster B10:
•Start number 7 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B13:
•Start number 7 was manually annotated 2 times for cluster B13.
•Start number 10 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B6:
•Start number 6 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:
•Start number 12 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B9:
•Start number 7 was manually annotated 2 times for cluster B9.
•Start number 8 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster G4:
•Start number 11 was manually annotated 2 times for cluster G4.

Gene Information:

Gene: 39HC_073 Start: 60781, Stop: 61050, Start Num: 6
Candidate Starts for 39HC_073:
(Start: 6 @60781 has 1 MA's),

Gene: 40BC_073 Start: 60781, Stop: 61050, Start Num: 6
Candidate Starts for 40BC_073:
(Start: 6 @60781 has 1 MA's),

Gene: BirdsNest_87 Start: 64270, Stop: 64590, Start Num: 7
Candidate Starts for BirdsNest_87:
(Start: 7 @64270 has 5 MA's), (Start: 10 @64297 has 1 MA's), (16, 64369), (20, 64492), (21, 64516),

Gene: Funsized_77 Start: 64431, Stop: 64721, Start Num: 8
Candidate Starts for Funsized_77:
(Start: 7 @64413 has 5 MA's), (Start: 8 @64431 has 1 MA's), (13, 64470), (20, 64620), (22, 64671),

Gene: Hashim76_85 Start: 64228, Stop: 64530, Start Num: 10
Candidate Starts for Hashim76_85:
(Start: 7 @64204 has 5 MA's), (Start: 10 @64228 has 1 MA's), (16, 64300), (20, 64423), (21, 64447), (22, 64474),

Gene: Hosp_069 Start: 58358, Stop: 58627, Start Num: 6
Candidate Starts for Hosp_069:
(Start: 6 @58358 has 1 MA's),

Gene: Imvubu_77 Start: 61268, Stop: 61567, Start Num: 7
Candidate Starts for Imvubu_77:
(Start: 7 @61268 has 5 MA's), (13, 61322), (18, 61430), (19, 61445),

Gene: Jolie1_071 Start: 60501, Stop: 60770, Start Num: 6
Candidate Starts for Jolie1_071:
(1, 60351), (3, 60420), (Start: 6 @60501 has 1 MA's),

Gene: Jolie2_54 Start: 39612, Stop: 39821, Start Num: 14
Candidate Starts for Jolie2_54:
(14, 39612),

Gene: KayaCho_71 Start: 60493, Stop: 60771, Start Num: 6
Candidate Starts for KayaCho_71:
(1, 60343), (3, 60412), (Start: 6 @60493 has 1 MA's),

Gene: Knocker_76 Start: 62900, Stop: 63190, Start Num: 7
Candidate Starts for Knocker_76:
(Start: 7 @62900 has 5 MA's), (17, 62993), (18, 63041),

Gene: Lemuria_58 Start: 41205, Stop: 41450, Start Num: 11
Candidate Starts for Lemuria_58:
(Start: 11 @41205 has 2 MA's), (16, 41247),

Gene: Mercurio_57 Start: 41698, Stop: 41943, Start Num: 11
Candidate Starts for Mercurio_57:
(9, 41674), (Start: 11 @41698 has 2 MA's), (16, 41740),

Gene: Rinkes_73 Start: 61989, Stop: 62330, Start Num: 7
Candidate Starts for Rinkes_73:
(Start: 7 @61989 has 5 MA's), (Start: 8 @62010 has 1 MA's), (13, 62049), (15, 62070), (17, 62094), (21, 62250), (22, 62277),

Gene: Saguaro_72 Start: 61010, Stop: 61306, Start Num: 12
Candidate Starts for Saguaro_72:
(2, 60806), (4, 60878), (5, 60944), (Start: 6 @60947 has 1 MA's), (Start: 7 @60953 has 5 MA's), (Start: 12 @61010 has 1 MA's), (23, 61295),

Gene: Zenteno07_86 Start: 63856, Stop: 64161, Start Num: 7
Candidate Starts for Zenteno07_86:
(Start: 7 @63856 has 5 MA's), (16, 63955), (21, 64087),