Pham 6244

1: LilMcDreamy_93

2: BirdsNest_6

3: 39HC_078 + 1

4: KayaCho_76

5: Hosp_074

6: Jolie1_076

7: Knocker_92
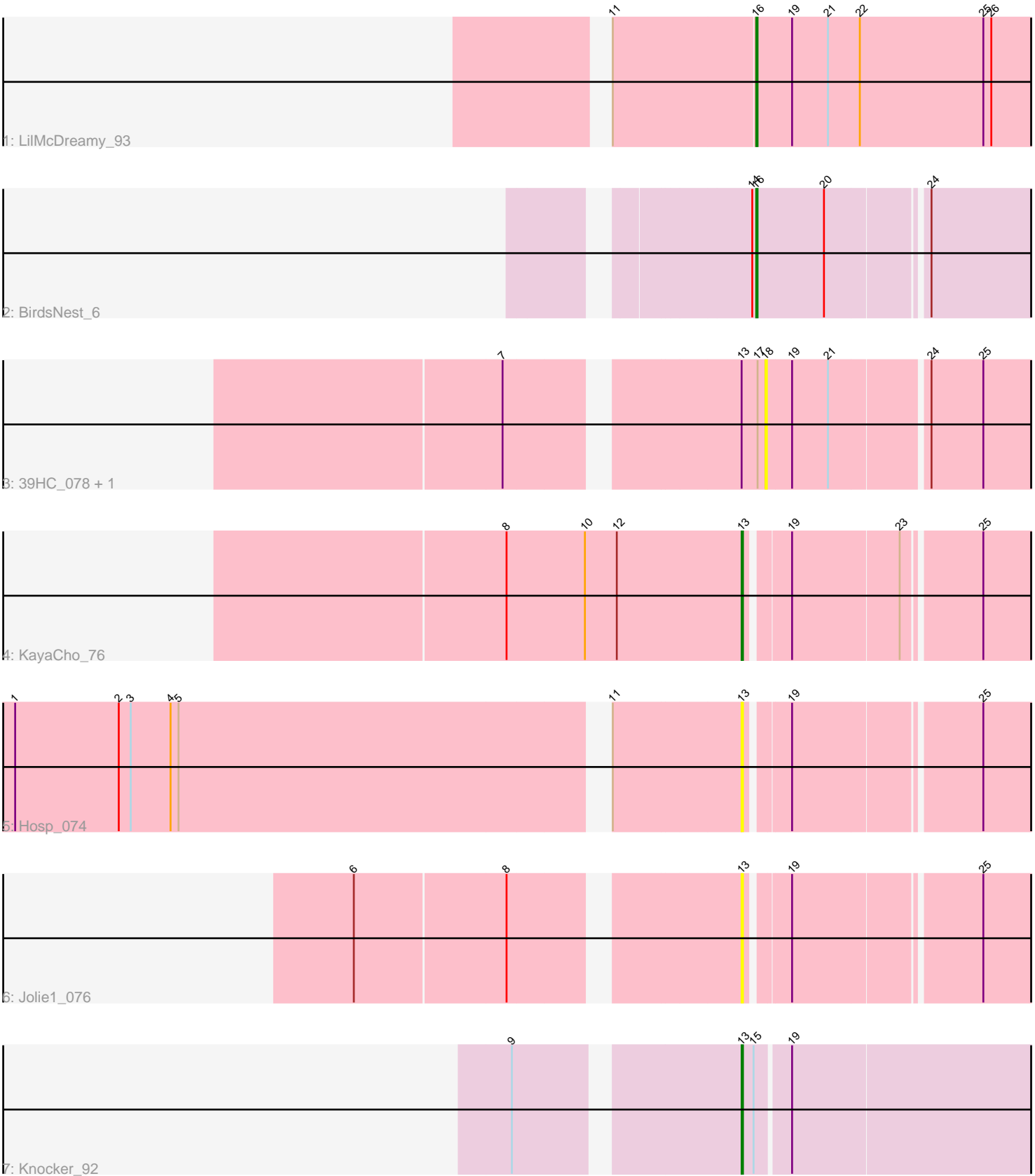
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 6244 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6244 has 8 members, 4 are drafts.

Phages represented in each track:
• Track 1 : LilMcDreamy_93
• Track 2 : BirdsNest_6
• Track 3 : 39HC_078, 40BC_078
• Track 4 : KayaCho_76
• Track 5 : Hosp_074
• Track 6 : Jolie1_076
• Track 7 : Knocker_92

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

The start number called the most often in the published annotations is 13, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Hosp_074, Jolie1_076, KayaCho_76, Knocker_92,

Genes that have the "Most Annotated" start but do not call it:
• 39HC_078, 40BC_078,

Genes that do not have the "Most Annotated" start:
• BirdsNest_6, LilMcDreamy_93,

Summary by start number:

Start 13:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Hosp_074 (B6), Jolie1_076 (B6), KayaCho_76 (B6), Knocker_92 (B9),

Start 16:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 4

• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdsNest_6 (B13), LilMcDreamy_93 (B12),

Start 18:
• Found in 2 of 8 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 39HC_078 (B6), 40BC_078 (B6),

Summary by clusters:

There are 4 clusters represented in this pham: B6, B12, B9, B13,

Info for manual annotations of cluster B12:
•Start number 16 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:
•Start number 16 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B6:
•Start number 13 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B9:
•Start number 13 was manually annotated 1 time for cluster B9.

Gene Information:
Gene: 39HC_078 Start: 62796, Stop: 62596, Start Num: 18
Candidate Starts for 39HC_078:
(7, 62967), (Start: 13 @62814 has 2 MA's), (17, 62802), (18, 62796), (19, 62778), (21, 62751), (24, 62682), (25, 62643),

Gene: 40BC_078 Start: 62796, Stop: 62596, Start Num: 18
Candidate Starts for 40BC_078:
(7, 62967), (Start: 13 @62814 has 2 MA's), (17, 62802), (18, 62796), (19, 62778), (21, 62751), (24, 62682), (25, 62643),

Gene: BirdsNest_6 Start: 1229, Stop: 1435, Start Num: 16
Candidate Starts for BirdsNest_6:
(14, 1226), (Start: 16 @1229 has 2 MA's), (20, 1280), (24, 1349),

Gene: Hosp_074 Start: 60263, Stop: 60057, Start Num: 13
Candidate Starts for Hosp_074:
(1, 60782), (2, 60704), (3, 60695), (4, 60665), (5, 60659), (11, 60356), (Start: 13 @60263 has 2 MA's), (19, 60236), (25, 60104),

Gene: Jolie1_076 Start: 62297, Stop: 62091, Start Num: 13
Candidate Starts for Jolie1_076:
(6, 62558), (8, 62447), (Start: 13 @62297 has 2 MA's), (19, 62270), (25, 62138),

Gene: KayaCho_76 Start: 62464, Stop: 62258, Start Num: 13
Candidate Starts for KayaCho_76:
(8, 62635), (10, 62578), (12, 62554), (Start: 13 @62464 has 2 MA's), (19, 62437), (23, 62359), (25, 62305),

Gene: Knocker_92 Start: 69288, Stop: 69067, Start Num: 13
Candidate Starts for Knocker_92:
(9, 69441), (Start: 13 @69288 has 2 MA's), (15, 69279), (19, 69255),

Gene: LilMcDreamy_93 Start: 69739, Stop: 69512, Start Num: 16
Candidate Starts for LilMcDreamy_93:
(11, 69844), (Start: 16 @69739 has 2 MA's), (19, 69712), (21, 69685), (22, 69661), (25, 69568), (26, 69562),