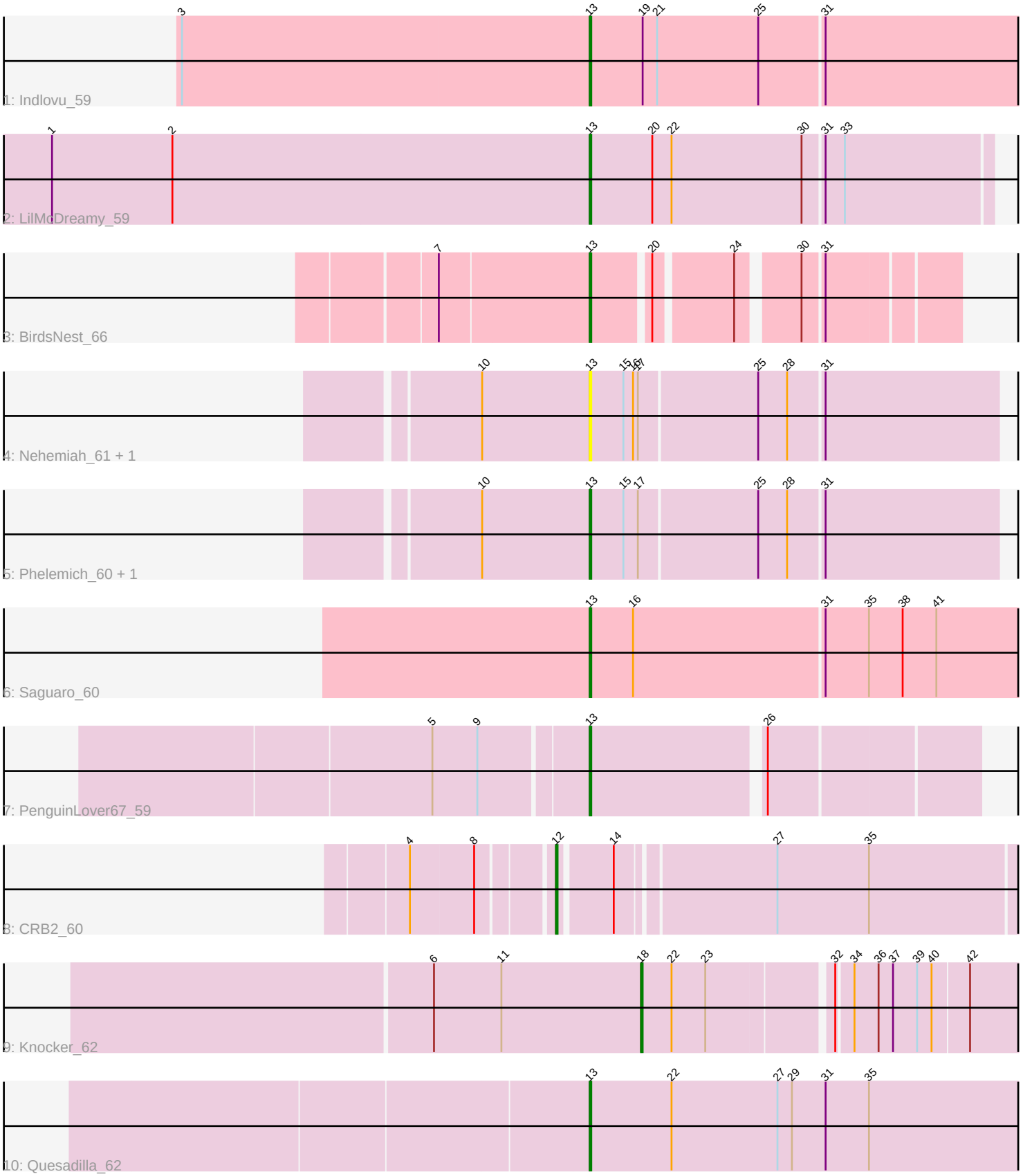
Pham 225052


1: Indlovu_59
2: LilMcDreamy_59
3: BirdsNest_66
4: Nehemiah_61 + 1
5: Phelemich_60 + 1
6: Saguaro_60
7: PenguinLover67_59
8: CRB2_60
9: Knocker_62
10: Quesadilla_62

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 225052 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225052 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Indlovu_59
• Track 2 : LilMcDreamy_59
• Track 3 : BirdsNest_66
• Track 4 : Nehemiah_61, Mysterious_62
• Track 5 : Phelemich_60, Reprobate_61
• Track 6 : Saguaro_60
• Track 7 : PenguinLover67_59
• Track 8 : CRB2_60
• Track 9 : Knocker_62
• Track 10 : Quesadilla_62

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 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BirdsNest_66, Indlovu_59, LilMcDreamy_59, Mysterious_62, Nehemiah_61, PenguinLover67_59, Phelemich_60, Quesadilla_62, Reprobate_61, Saguaro_60,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• CRB2_60, Knocker_62,

Summary by start number:

Start 12:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CRB2_60 (B9),

Start 13:
• Found in 10 of 12 (83.3%) of genes in pham
• Manual Annotations of this start: 8 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdsNest_66 (B13), Indlovu_59 (B11), LilMcDreamy_59 (B12), Mysterious_62 (B5), Nehemiah_61 (B5), PenguinLover67_59 (B9), Phelemich_60 (B5), Quesadilla_62 (B9), Reprobate_61 (B5), Saguaro_60 (B7),

Start 18:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Knocker_62 (B9),

Summary by clusters:

There are 6 clusters represented in this pham: B5, B7, B12, B13, B11, B9,

Info for manual annotations of cluster B11:
•Start number 13 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:
•Start number 13 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:
•Start number 13 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B5:
•Start number 13 was manually annotated 2 times for cluster B5.

Info for manual annotations of cluster B7:
•Start number 13 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B9:
•Start number 12 was manually annotated 1 time for cluster B9.
•Start number 13 was manually annotated 2 times for cluster B9.
•Start number 18 was manually annotated 1 time for cluster B9.

Gene Information:

Gene: BirdsNest_66 Start: 56050, Stop: 55850, Start Num: 13
Candidate Starts for BirdsNest_66:
(7, 56140), (Start: 13 @56050 has 8 MA's), (20, 56017), (24, 55972), (30, 55939), (31, 55927),

Gene: CRB2_60 Start: 56989, Stop: 56720, Start Num: 12
Candidate Starts for CRB2_60:
(4, 57070), (8, 57031), (Start: 12 @56989 has 1 MA's), (14, 56959), (27, 56866), (35, 56809),

Gene: Indlovu_59 Start: 55940, Stop: 55647, Start Num: 13
Candidate Starts for Indlovu_59:
(3, 56192), (Start: 13 @55940 has 8 MA's), (19, 55907), (21, 55898), (25, 55835), (31, 55796),

Gene: Knocker_62 Start: 57396, Stop: 57175, Start Num: 18
Candidate Starts for Knocker_62:
(6, 57525), (11, 57483), (Start: 18 @57396 has 1 MA's), (22, 57378), (23, 57357), (32, 57285), (34, 57276), (36, 57261), (37, 57252), (39, 57237), (40, 57228), (42, 57207),

Gene: LilMcDreamy_59 Start: 55604, Stop: 55359, Start Num: 13
Candidate Starts for LilMcDreamy_59:
(1, 55937), (2, 55862), (Start: 13 @55604 has 8 MA's), (20, 55565), (22, 55553), (30, 55472), (31, 55460), (33, 55448),

Gene: Mysterious_62 Start: 56228, Stop: 55983, Start Num: 13
Candidate Starts for Mysterious_62:
(10, 56294), (Start: 13 @56228 has 8 MA's), (15, 56207), (16, 56201), (17, 56198), (25, 56126), (28, 56108), (31, 56087),

Gene: Nehemiah_61 Start: 56231, Stop: 55983, Start Num: 13
Candidate Starts for Nehemiah_61:
(10, 56297), (Start: 13 @56231 has 8 MA's), (15, 56210), (16, 56204), (17, 56201), (25, 56129), (28, 56111), (31, 56090),

Gene: PenguinLover67_59 Start: 55991, Stop: 55764, Start Num: 13
Candidate Starts for PenguinLover67_59:
(5, 56081), (9, 56054), (Start: 13 @55991 has 8 MA's), (26, 55889),

Gene: Phelemich_60 Start: 56226, Stop: 55978, Start Num: 13
Candidate Starts for Phelemich_60:
(10, 56292), (Start: 13 @56226 has 8 MA's), (15, 56205), (17, 56196), (25, 56124), (28, 56106), (31, 56085),

Gene: Quesadilla_62 Start: 56441, Stop: 56175, Start Num: 13
Candidate Starts for Quesadilla_62:
(Start: 13 @56441 has 8 MA's), (22, 56390), (27, 56324), (29, 56315), (31, 56294), (35, 56267),

Gene: Reprobate_61 Start: 56231, Stop: 55983, Start Num: 13
Candidate Starts for Reprobate_61:
(10, 56297), (Start: 13 @56231 has 8 MA's), (15, 56210), (17, 56201), (25, 56129), (28, 56111), (31, 56090),

Gene: Saguaro_60 Start: 55761, Stop: 55492, Start Num: 13
Candidate Starts for Saguaro_60:
(Start: 13 @55761 has 8 MA's), (16, 55734), (31, 55617), (35, 55590), (38, 55569), (41, 55548),