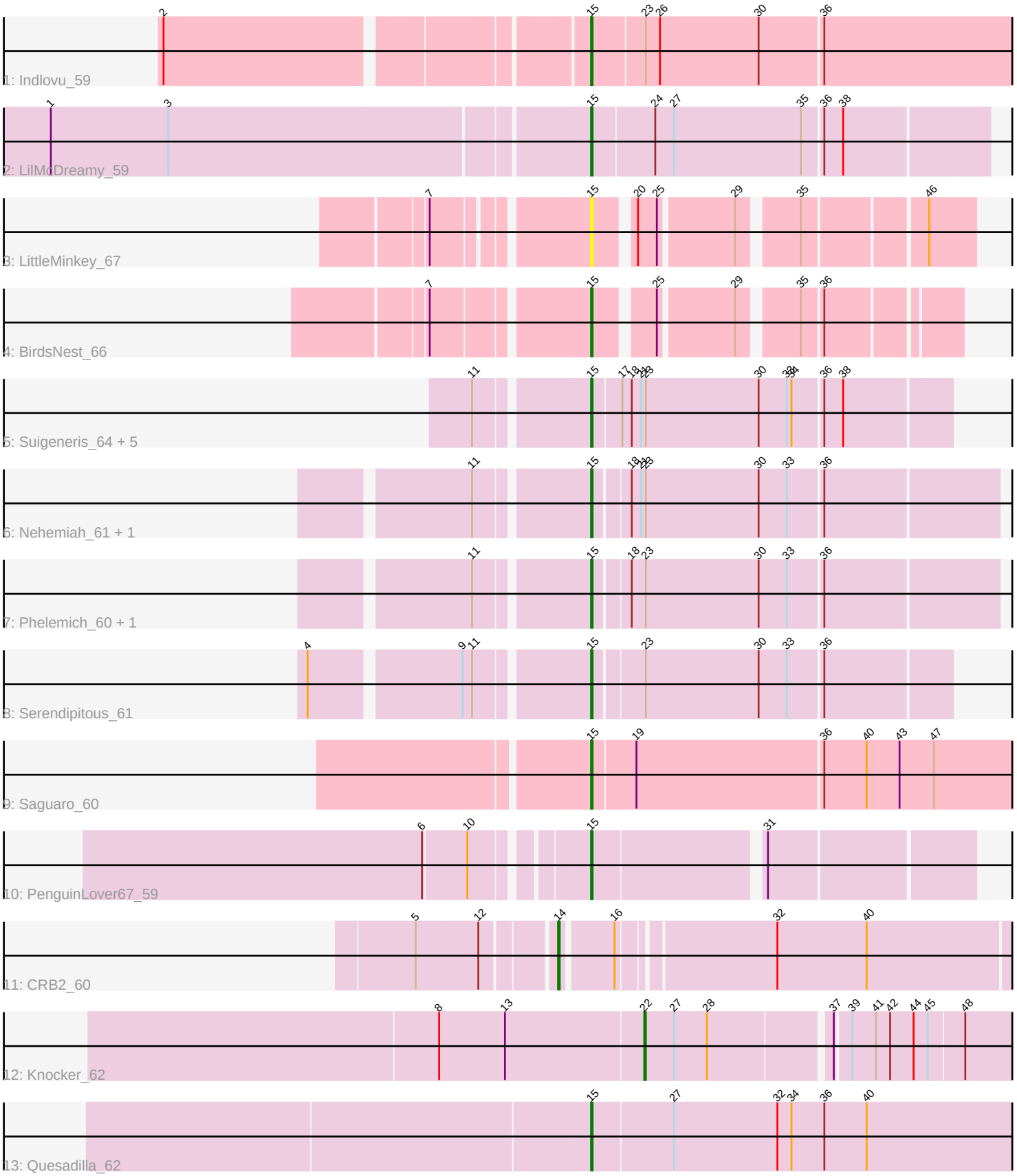
Pham 335305


1: Indlovu_59
2: LilMoDreamy_59
3: LittleMinkey_67
4: BirdsNest_66
5: Suigeneris_64 + 5
6: Nehemiah_61 + 1
7: Phelemich_60 + 1
8: Serendipitous_61
9: Saguaro_60
10: PenguinLover67_59
11: CRB2_60
12: Knocker_62
13: 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 335305 Report

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

Pham number 335305 has 20 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Indlovu_59
• Track 2 : LilMcDreamy_59
• Track 3 : LittleMinkey_67
• Track 4 : BirdsNest_66
• Track 5 : Suigeneris_64, Acadian_63, Reccee_63, SirJeffery_62, Rita130_62, Donny_64
• Track 6 : Nehemiah_61, Mysterious_60
• Track 7 : Phelemich_60, Reprobate_61
• Track 8 : Serendipitous_61
• Track 9 : Saguaro_60
• Track 10 : PenguinLover67_59
• Track 11 : CRB2_60
• Track 12 : Knocker_62
• Track 13 : 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 15, it was called in 14 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acadian_63, BirdsNest_66, Donny_64, Indlovu_59, LilMcDreamy_59, LittleMinkey_67, Mysterious_60, Nehemiah_61, PenguinLover67_59, Phelemich_60, Quesadilla_62, Reccee_63, Reprobate_61, Rita130_62, Saguaro_60, Serendipitous_61, SirJeffery_62, Suigeneris_64,

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

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

Summary by start number:

Start 14:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CRB2_60 (B9),

Start 15:
• Found in 18 of 20 (90.0%) of genes in pham
• Manual Annotations of this start: 14 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acadian_63 (B5), BirdsNest_66 (B13), Donny_64 (B5), Indlovu_59 (B11), LilMcDreamy_59 (B12), LittleMinkey_67 (B13), Mysterious_60 (B5), Nehemiah_61 (B5), PenguinLover67_59 (B9), Phelemich_60 (B5), Quesadilla_62 (B9), Reccee_63 (B5), Reprobate_61 (B5), Rita130_62 (B5), Saguaro_60 (B7), Serendipitous_61 (B5), SirJeffery_62 (B5), Suigeneris_64 (B5),

Start 22:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 16
• 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 15 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:
•Start number 15 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:
•Start number 15 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B5:
•Start number 15 was manually annotated 8 times for cluster B5.

Info for manual annotations of cluster B7:
•Start number 15 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B9:
•Start number 14 was manually annotated 1 time for cluster B9.
•Start number 15 was manually annotated 2 times for cluster B9.
•Start number 22 was manually annotated 1 time for cluster B9.

Gene Information:

Gene: Acadian_63 Start: 56338, Stop: 56117, Start Num: 15
Candidate Starts for Acadian_63:

(11, 56404), (Start: 15 @56338 has 14 MA's), (17, 56320), (18, 56314), (21, 56308), (23, 56305), (30, 56233), (33, 56215), (34, 56212), (36, 56194), (38, 56182),

Gene: BirdsNest_66 Start: 56050, Stop: 55850, Start Num: 15
Candidate Starts for BirdsNest_66:
(7, 56140), (Start: 15 @56050 has 14 MA's), (25, 56017), (29, 55972), (35, 55939), (36, 55927),

Gene: CRB2_60 Start: 56989, Stop: 56720, Start Num: 14
Candidate Starts for CRB2_60:
(5, 57070), (12, 57031), (Start: 14 @56989 has 1 MA's), (16, 56959), (32, 56866), (40, 56809),

Gene: Donny_64 Start: 56384, Stop: 56163, Start Num: 15
Candidate Starts for Donny_64:
(11, 56450), (Start: 15 @56384 has 14 MA's), (17, 56366), (18, 56360), (21, 56354), (23, 56351), (30, 56279), (33, 56261), (34, 56258), (36, 56240), (38, 56228),

Gene: Indlovu_59 Start: 55940, Stop: 55647, Start Num: 15
Candidate Starts for Indlovu_59:
(2, 56192), (Start: 15 @55940 has 14 MA's), (23, 55907), (26, 55898), (30, 55835), (36, 55796),

Gene: Knocker_62 Start: 57396, Stop: 57175, Start Num: 22
Candidate Starts for Knocker_62:
(8, 57525), (13, 57483), (Start: 22 @57396 has 1 MA's), (27, 57378), (28, 57357), (37, 57285), (39, 57276), (41, 57261), (42, 57252), (44, 57237), (45, 57228), (48, 57207),

Gene: LilMcDreamy_59 Start: 55604, Stop: 55359, Start Num: 15
Candidate Starts for LilMcDreamy_59:
(1, 55937), (3, 55862), (Start: 15 @55604 has 14 MA's), (24, 55565), (27, 55553), (35, 55472), (36, 55460), (38, 55448),

Gene: LittleMinkey_67 Start: 55800, Stop: 55588, Start Num: 15
Candidate Starts for LittleMinkey_67:
(7, 55887), (Start: 15 @55800 has 14 MA's), (20, 55779), (25, 55767), (29, 55722), (35, 55689), (46, 55617),

Gene: Mysterious_60 Start: 56228, Stop: 55983, Start Num: 15
Candidate Starts for Mysterious_60:
(11, 56294), (Start: 15 @56228 has 14 MA's), (18, 56207), (21, 56201), (23, 56198), (30, 56126), (33, 56108), (36, 56087),

Gene: Nehemiah_61 Start: 56231, Stop: 55983, Start Num: 15
Candidate Starts for Nehemiah_61:
(11, 56297), (Start: 15 @56231 has 14 MA's), (18, 56210), (21, 56204), (23, 56201), (30, 56129), (33, 56111), (36, 56090),

Gene: PenguinLover67_59 Start: 55991, Stop: 55764, Start Num: 15
Candidate Starts for PenguinLover67_59:
(6, 56081), (10, 56054), (Start: 15 @55991 has 14 MA's), (31, 55889),

Gene: Phelemich_60 Start: 56226, Stop: 55978, Start Num: 15
Candidate Starts for Phelemich_60:
(11, 56292), (Start: 15 @56226 has 14 MA's), (18, 56205), (23, 56196), (30, 56124), (33, 56106), (36, 56085),

Gene: Quesadilla_62 Start: 56441, Stop: 56175, Start Num: 15
Candidate Starts for Quesadilla_62:
(Start: 15 @56441 has 14 MA's), (27, 56390), (32, 56324), (34, 56315), (36, 56294), (40, 56267),

Gene: Reccee_63 Start: 56467, Stop: 56246, Start Num: 15
Candidate Starts for Reccee_63:
(11, 56533), (Start: 15 @56467 has 14 MA's), (17, 56449), (18, 56443), (21, 56437), (23, 56434), (30, 56362), (33, 56344), (34, 56341), (36, 56323), (38, 56311),

Gene: Reprobate_61 Start: 56231, Stop: 55983, Start Num: 15
Candidate Starts for Reprobate_61:
(11, 56297), (Start: 15 @56231 has 14 MA's), (18, 56210), (23, 56201), (30, 56129), (33, 56111), (36, 56090),

Gene: Rita130_62 Start: 56280, Stop: 56059, Start Num: 15
Candidate Starts for Rita130_62:
(11, 56346), (Start: 15 @56280 has 14 MA's), (17, 56262), (18, 56256), (21, 56250), (23, 56247), (30, 56175), (33, 56157), (34, 56154), (36, 56136), (38, 56124),

Gene: Saguaro_60 Start: 55761, Stop: 55492, Start Num: 15
Candidate Starts for Saguaro_60:
(Start: 15 @55761 has 14 MA's), (19, 55734), (36, 55617), (40, 55590), (43, 55569), (47, 55548),

Gene: Serendipitous_61 Start: 55769, Stop: 55551, Start Num: 15
Candidate Starts for Serendipitous_61:
(4, 55931), (9, 55841), (11, 55835), (Start: 15 @55769 has 14 MA's), (23, 55739), (30, 55667), (33, 55649), (36, 55628),

Gene: SirJeffery_62 Start: 56415, Stop: 56194, Start Num: 15
Candidate Starts for SirJeffery_62:
(11, 56481), (Start: 15 @56415 has 14 MA's), (17, 56397), (18, 56391), (21, 56385), (23, 56382), (30, 56310), (33, 56292), (34, 56289), (36, 56271), (38, 56259),

Gene: Suigeneris_64 Start: 56533, Stop: 56312, Start Num: 15
Candidate Starts for Suigeneris_64:
(11, 56599), (Start: 15 @56533 has 14 MA's), (17, 56515), (18, 56509), (21, 56503), (23, 56500), (30, 56428), (33, 56410), (34, 56407), (36, 56389), (38, 56377),