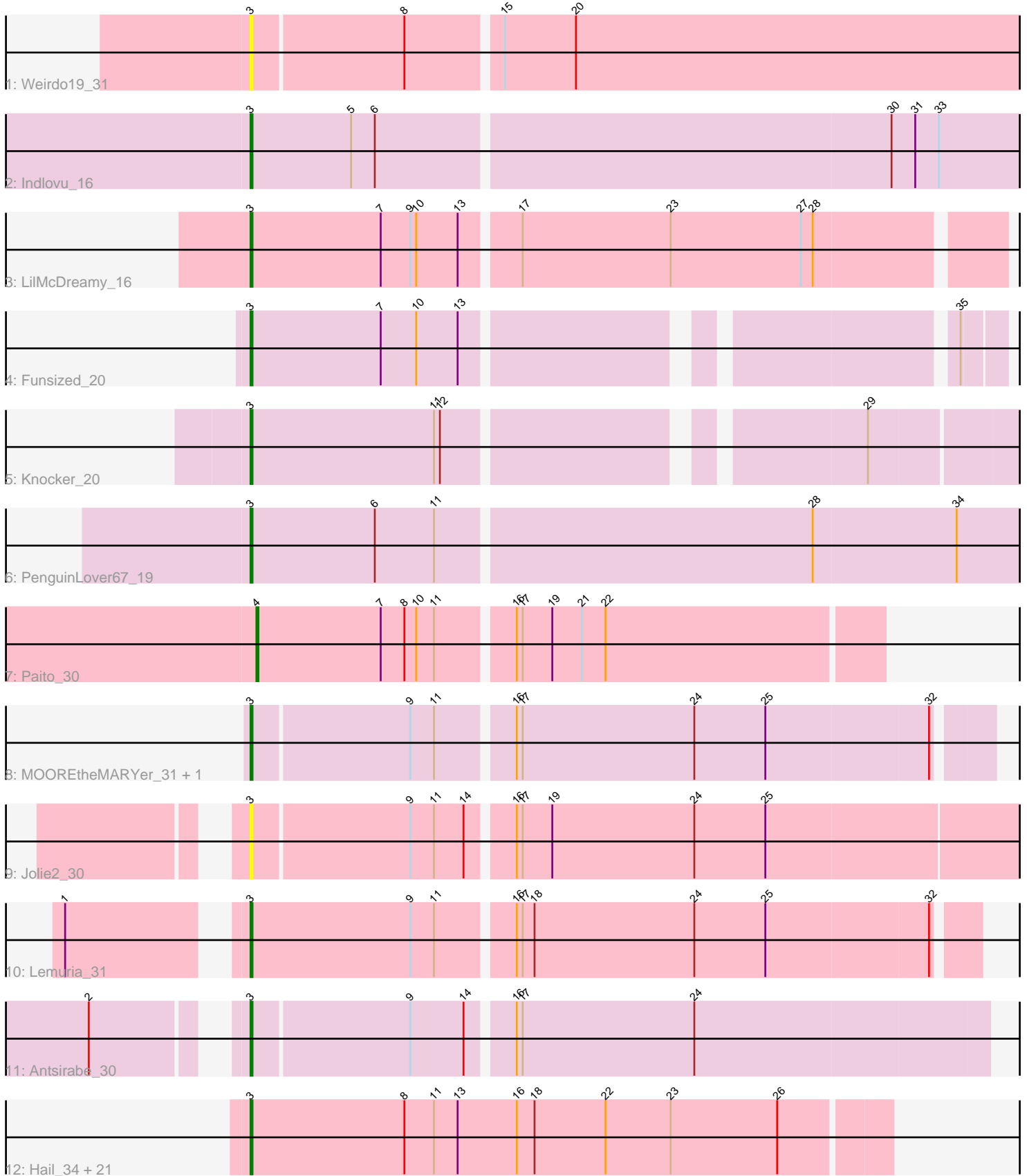


Pham 224766



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 224766 Report

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

Pham number 224766 has 34 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Weirdo19_31
- Track 2 : Indlovu_16
- Track 3 : LilMcDreamy_16
- Track 4 : Funsized_20
- Track 5 : Knocker_20
- Track 6 : PenguinLover67_19
- Track 7 : Paito_30
- Track 8 : MOOREtheMARYer_31, Pinnie_31
- Track 9 : Jolie2_30
- Track 10 : Lemuria_31
- Track 11 : Antsirabe_30
- Track 12 : Hail_34, Evanesce_34, Kinbote_35, Gravaillia_34, Hadrien_35, Gancho_34, DeepSoil15_35, Webster2_35, Amymech_35, Giles_34, Ein37_35, HH92_34, OBUpride_35, Wishmaker_34, Dewey_34, Forge_34, LilHazelNut_35, Daegal_36, Luke_35, Amochick_35, Ubuntu_35, Luna22_34

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 31 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amochick_35, Amymech_35, Antsirabe_30, Daegal_36, DeepSoil15_35, Dewey_34, Ein37_35, Evanesce_34, Forge_34, Funsized_20, Gancho_34, Giles_34, Gravaillia_34, HH92_34, Hadrien_35, Hail_34, Indlovu_16, Jolie2_30, Kinbote_35, Knocker_20, Lemuria_31, LilHazelNut_35, LilMcDreamy_16, Luke_35, Luna22_34, MOOREtheMARYer_31, OBUpride_35, PenguinLover67_19, Pinnie_31, Ubuntu_35, Webster2_35, Weirdo19_31, Wishmaker_34,

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

-

Genes that do not have the "Most Annotated" start:

- Paito_30,

Summary by start number:

Start 3:

- Found in 33 of 34 (97.1%) of genes in pham
- Manual Annotations of this start: 31 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amochick_35 (Q), Amymech_35 (Q), Antsirabe_30 (G5), Daegal_36 (Q), DeepSoil15_35 (Q), Dewey_34 (Q), Ein37_35 (Q), Evanesce_34 (Q), Forge_34 (Q), Funsized_20 (B9), Gancho_34 (Q), Giles_34 (Q), Gravallia_34 (Q), HH92_34 (Q), Hadrien_35 (Q), Hail_34 (Q), Indlovu_16 (B11), Jolie2_30 (G4), Kinbote_35 (Q), Knocker_20 (B9), Lemuria_31 (G4), LilHazelNut_35 (Q), LilMcDreamy_16 (B12), Luke_35 (Q), Luna22_34 (Q), MOOREtheMARYer_31 (G3), OBUpride_35 (Q), PenguinLover67_19 (B9), Pinnie_31 (G3), Ubuntu_35 (Q), Webster2_35 (Q), Weirido19_31 (AH), Wishmaker_34 (Q),

Start 4:

- Found in 1 of 34 (2.9%) of genes in pham
- Manual Annotations of this start: 1 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Paito_30 (G1),

Summary by clusters:

There are 9 clusters represented in this pham: G5, G4, G3, G1, AH, Q, B12, B11, B9,

Info for manual annotations of cluster B11:

- Start number 3 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 3 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B9:

- Start number 3 was manually annotated 3 times for cluster B9.

Info for manual annotations of cluster G1:

- Start number 4 was manually annotated 1 time for cluster G1.

Info for manual annotations of cluster G3:

- Start number 3 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 3 was manually annotated 1 time for cluster G4.

Info for manual annotations of cluster G5:

- Start number 3 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster Q:

- Start number 3 was manually annotated 22 times for cluster Q.

Gene Information:

Gene: Amochick_35 Start: 30022, Stop: 30342, Start Num: 3

Candidate Starts for Amochick_35:

(Start: 3 @30022 has 31 MA's), (8, 30100), (11, 30115), (13, 30127), (16, 30157), (18, 30166), (22, 30202), (23, 30235), (26, 30289),

Gene: Amymech_35 Start: 30016, Stop: 30336, Start Num: 3

Candidate Starts for Amymech_35:

(Start: 3 @30016 has 31 MA's), (8, 30094), (11, 30109), (13, 30121), (16, 30151), (18, 30160), (22, 30196), (23, 30229), (26, 30283),

Gene: Antsirabe_30 Start: 28475, Stop: 28837, Start Num: 3

Candidate Starts for Antsirabe_30:

(2, 28415), (Start: 3 @28475 has 31 MA's), (9, 28553), (14, 28580), (16, 28601), (17, 28604), (24, 28691),

Gene: Daegal_36 Start: 30310, Stop: 30630, Start Num: 3

Candidate Starts for Daegal_36:

(Start: 3 @30310 has 31 MA's), (8, 30388), (11, 30403), (13, 30415), (16, 30445), (18, 30454), (22, 30490), (23, 30523), (26, 30577),

Gene: DeepSoil15_35 Start: 30016, Stop: 30336, Start Num: 3

Candidate Starts for DeepSoil15_35:

(Start: 3 @30016 has 31 MA's), (8, 30094), (11, 30109), (13, 30121), (16, 30151), (18, 30160), (22, 30196), (23, 30229), (26, 30283),

Gene: Dewey_34 Start: 30016, Stop: 30336, Start Num: 3

Candidate Starts for Dewey_34:

(Start: 3 @30016 has 31 MA's), (8, 30094), (11, 30109), (13, 30121), (16, 30151), (18, 30160), (22, 30196), (23, 30229), (26, 30283),

Gene: Ein37_35 Start: 30016, Stop: 30336, Start Num: 3

Candidate Starts for Ein37_35:

(Start: 3 @30016 has 31 MA's), (8, 30094), (11, 30109), (13, 30121), (16, 30151), (18, 30160), (22, 30196), (23, 30229), (26, 30283),

Gene: Evanesce_34 Start: 30016, Stop: 30336, Start Num: 3

Candidate Starts for Evanesce_34:

(Start: 3 @30016 has 31 MA's), (8, 30094), (11, 30109), (13, 30121), (16, 30151), (18, 30160), (22, 30196), (23, 30229), (26, 30283),

Gene: Forge_34 Start: 30016, Stop: 30336, Start Num: 3

Candidate Starts for Forge_34:

(Start: 3 @30016 has 31 MA's), (8, 30094), (11, 30109), (13, 30121), (16, 30151), (18, 30160), (22, 30196), (23, 30229), (26, 30283),

Gene: Funsized_20 Start: 17389, Stop: 17733, Start Num: 3

Candidate Starts for Funsized_20:

(Start: 3 @17389 has 31 MA's), (7, 17455), (10, 17473), (13, 17494), (35, 17713),

Gene: Gancho_34 Start: 29739, Stop: 30059, Start Num: 3

Candidate Starts for Gancho_34:

(Start: 3 @29739 has 31 MA's), (8, 29817), (11, 29832), (13, 29844), (16, 29874), (18, 29883), (22, 29919), (23, 29952), (26, 30006),

Gene: Giles_34 Start: 30016, Stop: 30336, Start Num: 3

Candidate Starts for Giles_34:

(Start: 3 @30016 has 31 MA's), (8, 30094), (11, 30109), (13, 30121), (16, 30151), (18, 30160), (22, 30196), (23, 30229), (26, 30283),

Gene: Gravaillia_34 Start: 29745, Stop: 30065, Start Num: 3

Candidate Starts for Gravaillia_34:

(Start: 3 @29745 has 31 MA's), (8, 29823), (11, 29838), (13, 29850), (16, 29880), (18, 29889), (22, 29925), (23, 29958), (26, 30012),

Gene: HH92_34 Start: 30016, Stop: 30336, Start Num: 3

Candidate Starts for HH92_34:

(Start: 3 @30016 has 31 MA's), (8, 30094), (11, 30109), (13, 30121), (16, 30151), (18, 30160), (22, 30196), (23, 30229), (26, 30283),

Gene: Hadrien_35 Start: 30016, Stop: 30336, Start Num: 3

Candidate Starts for Hadrien_35:

(Start: 3 @30016 has 31 MA's), (8, 30094), (11, 30109), (13, 30121), (16, 30151), (18, 30160), (22, 30196), (23, 30229), (26, 30283),

Gene: Hail_34 Start: 30016, Stop: 30336, Start Num: 3

Candidate Starts for Hail_34:

(Start: 3 @30016 has 31 MA's), (8, 30094), (11, 30109), (13, 30121), (16, 30151), (18, 30160), (22, 30196), (23, 30229), (26, 30283),

Gene: Indlovu_16 Start: 15203, Stop: 15598, Start Num: 3

Candidate Starts for Indlovu_16:

(Start: 3 @15203 has 31 MA's), (5, 15254), (6, 15266), (30, 15521), (31, 15533), (33, 15545),

Gene: Jolie2_30 Start: 27308, Stop: 27706, Start Num: 3

Candidate Starts for Jolie2_30:

(Start: 3 @27308 has 31 MA's), (9, 27386), (11, 27398), (14, 27413), (16, 27434), (17, 27437), (19, 27452), (24, 27524), (25, 27560),

Gene: Kinbote_35 Start: 30016, Stop: 30336, Start Num: 3

Candidate Starts for Kinbote_35:

(Start: 3 @30016 has 31 MA's), (8, 30094), (11, 30109), (13, 30121), (16, 30151), (18, 30160), (22, 30196), (23, 30229), (26, 30283),

Gene: Knocker_20 Start: 17715, Stop: 18101, Start Num: 3

Candidate Starts for Knocker_20:

(Start: 3 @17715 has 31 MA's), (11, 17808), (12, 17811), (29, 18000),

Gene: Lemuria_31 Start: 28466, Stop: 28822, Start Num: 3

Candidate Starts for Lemuria_31:

(1, 28391), (Start: 3 @28466 has 31 MA's), (9, 28547), (11, 28559), (16, 28595), (17, 28598), (18, 28604), (24, 28685), (25, 28721), (32, 28802),

Gene: LilHazelNut_35 Start: 30016, Stop: 30336, Start Num: 3

Candidate Starts for LilHazelNut_35:

(Start: 3 @30016 has 31 MA's), (8, 30094), (11, 30109), (13, 30121), (16, 30151), (18, 30160), (22, 30196), (23, 30229), (26, 30283),

Gene: LilMcDreamy_16 Start: 15832, Stop: 16200, Start Num: 3

Candidate Starts for LilMcDreamy_16:

(Start: 3 @15832 has 31 MA's), (7, 15898), (9, 15913), (10, 15916), (13, 15937), (17, 15964), (23, 16039), (27, 16105), (28, 16111),

Gene: Luke_35 Start: 29971, Stop: 30291, Start Num: 3

Candidate Starts for Luke_35:

(Start: 3 @29971 has 31 MA's), (8, 30049), (11, 30064), (13, 30076), (16, 30106), (18, 30115), (22, 30151), (23, 30184), (26, 30238),

Gene: Luna22_34 Start: 30016, Stop: 30336, Start Num: 3

Candidate Starts for Luna22_34:

(Start: 3 @30016 has 31 MA's), (8, 30094), (11, 30109), (13, 30121), (16, 30151), (18, 30160), (22, 30196), (23, 30229), (26, 30283),

Gene: MOOREtheMARYer_31 Start: 28761, Stop: 29120, Start Num: 3

Candidate Starts for MOOREtheMARYer_31:

(Start: 3 @28761 has 31 MA's), (9, 28839), (11, 28851), (16, 28887), (17, 28890), (24, 28977), (25, 29013), (32, 29094),

Gene: OBUpride_35 Start: 30010, Stop: 30330, Start Num: 3

Candidate Starts for OBUpride_35:

(Start: 3 @30010 has 31 MA's), (8, 30088), (11, 30103), (13, 30115), (16, 30145), (18, 30154), (22, 30190), (23, 30223), (26, 30277),

Gene: Paito_30 Start: 27024, Stop: 27332, Start Num: 4

Candidate Starts for Paito_30:

(Start: 4 @27024 has 1 MA's), (7, 27087), (8, 27099), (10, 27105), (11, 27114), (16, 27150), (17, 27153), (19, 27168), (21, 27183), (22, 27195),

Gene: PenguinLover67_19 Start: 16545, Stop: 16991, Start Num: 3

Candidate Starts for PenguinLover67_19:

(Start: 3 @16545 has 31 MA's), (6, 16608), (11, 16638), (28, 16824), (34, 16896),

Gene: Pinnie_31 Start: 29132, Stop: 29491, Start Num: 3

Candidate Starts for Pinnie_31:

(Start: 3 @29132 has 31 MA's), (9, 29210), (11, 29222), (16, 29258), (17, 29261), (24, 29348), (25, 29384), (32, 29465),

Gene: Ubuntu_35 Start: 30016, Stop: 30336, Start Num: 3

Candidate Starts for Ubuntu_35:

(Start: 3 @30016 has 31 MA's), (8, 30094), (11, 30109), (13, 30121), (16, 30151), (18, 30160), (22, 30196), (23, 30229), (26, 30283),

Gene: Webster2_35 Start: 30016, Stop: 30336, Start Num: 3

Candidate Starts for Webster2_35:

(Start: 3 @30016 has 31 MA's), (8, 30094), (11, 30109), (13, 30121), (16, 30151), (18, 30160), (22, 30196), (23, 30229), (26, 30283),

Gene: Weirdo19_31 Start: 28110, Stop: 28523, Start Num: 3

Candidate Starts for Weirido19_31:

(Start: 3 @28110 has 31 MA's), (8, 28185), (15, 28230), (20, 28266),

Gene: Wishmaker_34 Start: 30016, Stop: 30336, Start Num: 3

Candidate Starts for Wishmaker_34:

(Start: 3 @30016 has 31 MA's), (8, 30094), (11, 30109), (13, 30121), (16, 30151), (18, 30160), (22, 30196), (23, 30229), (26, 30283),