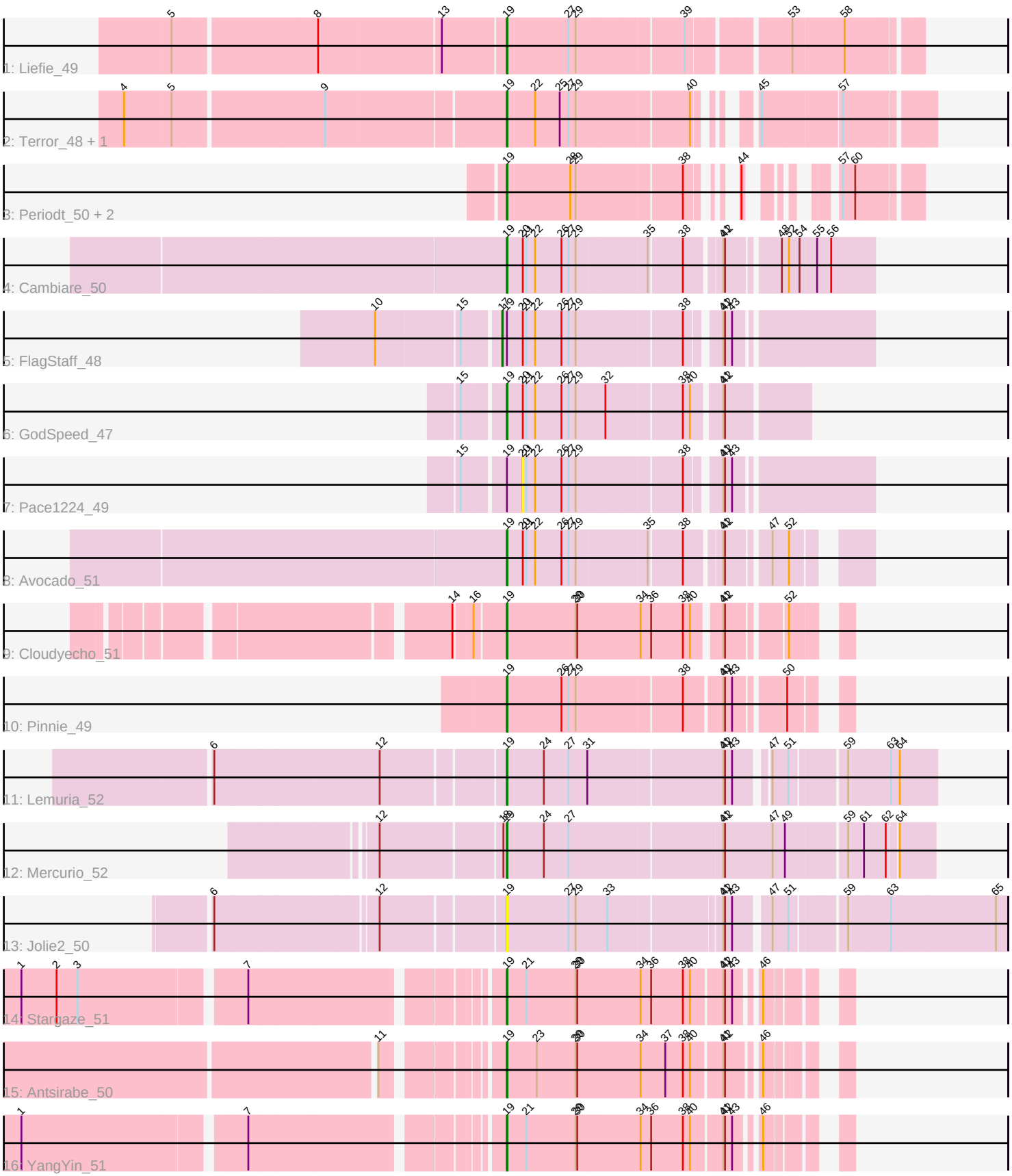
Pham 344447


1: Liefie_49
2: Terror_48 + 1
3: Periodt_50 + 2
4: Cambiare_50
5: FlagStaff_48
6: GodSpeed_47
7: Pace1224_49
8: Avocado_51
9: Cloudyecho_51
10: Pinnie_49
11: Lemuria_52
12: Mercurio_52
13: Jolie2_50
14: Stargaze_51
15: Antsirabe_50
16: YangYin_51

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 344447 Report

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

Pham number 344447 has 19 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Liefie_49
• Track 2 : Terror_48, Taheera_48
• Track 3 : Periodt_50, Jolene_50, Rattrick_50
• Track 4 : Cambiare_50
• Track 5 : FlagStaff_48
• Track 6 : GodSpeed_47
• Track 7 : Pace1224_49
• Track 8 : Avocado_51
• Track 9 : Cloudyecho_51
• Track 10 : Pinnie_49
• Track 11 : Lemuria_52
• Track 12 : Mercurio_52
• Track 13 : Jolie2_50
• Track 14 : Stargaze_51
• Track 15 : Antsirabe_50
• Track 16 : YangYin_51

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

The start number called the most often in the published annotations is 19, it was called in 16 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Antsirabe_50, Avocado_51, Cambiare_50, Cloudyecho_51, GodSpeed_47, Jolene_50, Jolie2_50, Lemuria_52, Liefie_49, Mercurio_52, Periodt_50, Pinnie_49, Rattrick_50, Stargaze_51, Taheera_48, Terror_48, YangYin_51,

Genes that have the "Most Annotated" start but do not call it:
• FlagStaff_48, Pace1224_49,

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

Summary by start number:

Start 17:
• Found in 1 of 19 (5.3%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FlagStaff_48 (G2),

Start 19:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 16 of 17
• Called 89.5% of time when present
• Phage (with cluster) where this start called: Antsirabe_50 (G5), Avocado_51 (G2), Cambiare_50 (G2), Cloudyecho_51 (G3), GodSpeed_47 (G2), Jolene_50 (G1), Jolie2_50 (G4), Lemuria_52 (G4), Liefie_49 (G1), Mercurio_52 (G4), Periodt_50 (G1), Pinnie_49 (G3), Rattrick_50 (G1), Stargaze_51 (G5), Taheera_48 (G1), Terror_48 (G1), YangYin_51 (G5),

Start 20:
• Found in 5 of 19 (26.3%) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Pace1224_49 (G2),

Summary by clusters:

There are 5 clusters represented in this pham: G5, G4, G3, G2, G1,

Info for manual annotations of cluster G1:
•Start number 19 was manually annotated 6 times for cluster G1.

Info for manual annotations of cluster G2:
•Start number 17 was manually annotated 1 time for cluster G2.
•Start number 19 was manually annotated 3 times for cluster G2.

Info for manual annotations of cluster G3:
•Start number 19 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:
•Start number 19 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:
•Start number 19 was manually annotated 3 times for cluster G5.

Gene Information:

Gene: Antsirabe_50 Start: 37691, Stop: 38182, Start Num: 19
Candidate Starts for Antsirabe_50:
(11, 37529), (Start: 19 @37691 has 16 MA's), (23, 37742), (29, 37808), (30, 37811), (34, 37913), (37, 37955), (38, 37985), (40, 37997), (41, 38042), (42, 38045), (46, 38090),

Gene: Avocado_51 Start: 38631, Stop: 39161, Start Num: 19

Candidate Starts for Avocado_51:
(Start: 19 @38631 has 16 MA's), (20, 38658), (21, 38664), (22, 38679), (26, 38724), (27, 38736), (29, 38748), (35, 38859), (38, 38913), (41, 38967), (42, 38970), (47, 39033), (52, 39060),

Gene: Cambiare_50 Start: 38392, Stop: 38961, Start Num: 19
Candidate Starts for Cambiare_50:
(Start: 19 @38392 has 16 MA's), (20, 38419), (21, 38425), (22, 38440), (26, 38485), (27, 38497), (29, 38509), (35, 38620), (38, 38674), (41, 38728), (42, 38731), (48, 38809), (52, 38821), (54, 38839), (55, 38866), (56, 38890),

Gene: Cloudyecho_51 Start: 38416, Stop: 38919, Start Num: 19
Candidate Starts for Cloudyecho_51:
(14, 38341), (16, 38365), (Start: 19 @38416 has 16 MA's), (29, 38533), (30, 38536), (34, 38638), (36, 38656), (38, 38710), (40, 38722), (41, 38761), (42, 38764), (52, 38848),

Gene: FlagStaff_48 Start: 36899, Stop: 37468, Start Num: 17
Candidate Starts for FlagStaff_48:
(10, 36713), (15, 36845), (Start: 17 @36899 has 1 MA's), (Start: 19 @36905 has 16 MA's), (20, 36932), (21, 36938), (22, 36953), (26, 36998), (27, 37010), (29, 37022), (38, 37187), (41, 37232), (42, 37235), (43, 37247),

Gene: GodSpeed_47 Start: 36810, Stop: 37286, Start Num: 19
Candidate Starts for GodSpeed_47:
(15, 36747), (Start: 19 @36810 has 16 MA's), (20, 36837), (21, 36843), (22, 36858), (26, 36903), (27, 36915), (29, 36927), (32, 36975), (38, 37095), (40, 37107), (41, 37149), (42, 37152),

Gene: Jolene_50 Start: 36570, Stop: 37079, Start Num: 19
Candidate Starts for Jolene_50:
(Start: 19 @36570 has 16 MA's), (28, 36672), (29, 36681), (38, 36849), (44, 36885), (57, 36957), (60, 36978),

Gene: Jolie2_50 Start: 37238, Stop: 38023, Start Num: 19
Candidate Starts for Jolie2_50:
(6, 36785), (12, 37046), (Start: 19 @37238 has 16 MA's), (27, 37340), (29, 37352), (33, 37406), (41, 37583), (42, 37586), (43, 37598), (47, 37646), (51, 37673), (59, 37754), (63, 37826), (65, 38003),

Gene: Lemuria_52 Start: 38552, Stop: 39214, Start Num: 19
Candidate Starts for Lemuria_52:
(6, 38090), (12, 38363), (Start: 19 @38552 has 16 MA's), (24, 38609), (27, 38651), (31, 38681), (41, 38900), (42, 38903), (43, 38915), (47, 38957), (51, 38984), (59, 39065), (63, 39137), (64, 39152),

Gene: Liefie_49 Start: 36385, Stop: 37023, Start Num: 19
Candidate Starts for Liefie_49:
(5, 35842), (8, 36079), (13, 36280), (Start: 19 @36385 has 16 MA's), (27, 36484), (29, 36496), (39, 36667), (53, 36820), (58, 36904),

Gene: Mercurio_52 Start: 38945, Stop: 39625, Start Num: 19
Candidate Starts for Mercurio_52:
(12, 38750), (18, 38942), (Start: 19 @38945 has 16 MA's), (24, 39002), (27, 39044), (41, 39290), (42, 39293), (47, 39374), (49, 39395), (59, 39488), (61, 39515), (62, 39551), (64, 39566),

Gene: Pace1224_49 Start: 36961, Stop: 37497, Start Num: 20
Candidate Starts for Pace1224_49:

(15, 36871), (Start: 19 @36934 has 16 MA's), (20, 36961), (21, 36967), (22, 36982), (26, 37027), (27, 37039), (29, 37051), (38, 37216), (41, 37261), (42, 37264), (43, 37276),

Gene: Periodt_50 Start: 36561, Stop: 37070, Start Num: 19
Candidate Starts for Periodt_50:
(Start: 19 @36561 has 16 MA's), (28, 36663), (29, 36672), (38, 36840), (44, 36876), (57, 36948), (60, 36969),

Gene: Pinnie_49 Start: 37751, Stop: 38257, Start Num: 19
Candidate Starts for Pinnie_49:
(Start: 19 @37751 has 16 MA's), (26, 37844), (27, 37856), (29, 37868), (38, 38039), (41, 38099), (42, 38102), (43, 38114), (50, 38186),

Gene: Rattrick_50 Start: 36561, Stop: 37070, Start Num: 19
Candidate Starts for Rattrick_50:
(Start: 19 @36561 has 16 MA's), (28, 36663), (29, 36672), (38, 36840), (44, 36876), (57, 36948), (60, 36969),

Gene: Stargaze_51 Start: 37954, Stop: 38448, Start Num: 19
Candidate Starts for Stargaze_51:
(1, 37216), (2, 37276), (3, 37312), (7, 37573), (Start: 19 @37954 has 16 MA's), (21, 37987), (29, 38071), (30, 38074), (34, 38176), (36, 38194), (38, 38248), (40, 38260), (41, 38308), (42, 38311), (43, 38323), (46, 38353),

Gene: Taheera_48 Start: 36090, Stop: 36704, Start Num: 19
Candidate Starts for Taheera_48:
(4, 35469), (5, 35547), (9, 35796), (Start: 19 @36090 has 16 MA's), (22, 36132), (25, 36174), (27, 36189), (29, 36201), (40, 36381), (45, 36432), (57, 36561),

Gene: Terror_48 Start: 36090, Stop: 36704, Start Num: 19
Candidate Starts for Terror_48:
(4, 35469), (5, 35547), (9, 35796), (Start: 19 @36090 has 16 MA's), (22, 36132), (25, 36174), (27, 36189), (29, 36201), (40, 36381), (45, 36432), (57, 36561),

Gene: YangYin_51 Start: 37975, Stop: 38469, Start Num: 19
Candidate Starts for YangYin_51:
(1, 37237), (7, 37594), (Start: 19 @37975 has 16 MA's), (21, 38008), (29, 38092), (30, 38095), (34, 38197), (36, 38215), (38, 38269), (40, 38281), (41, 38329), (42, 38332), (43, 38344), (46, 38374),