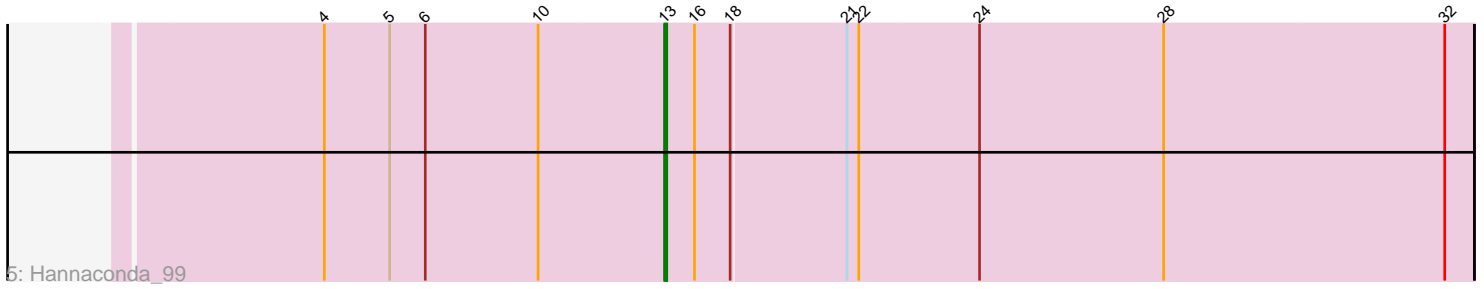
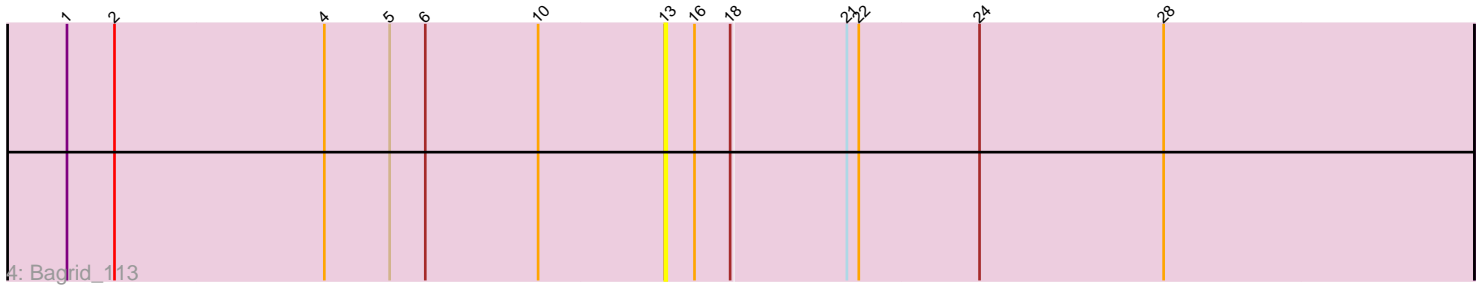
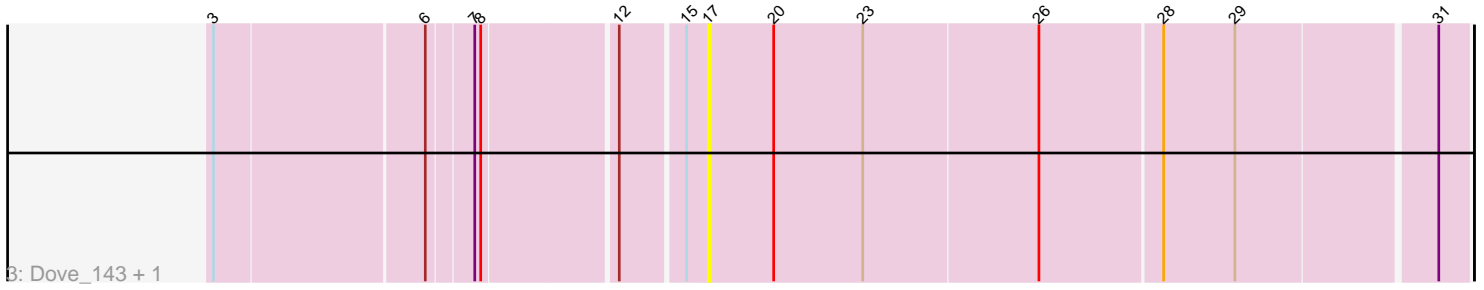
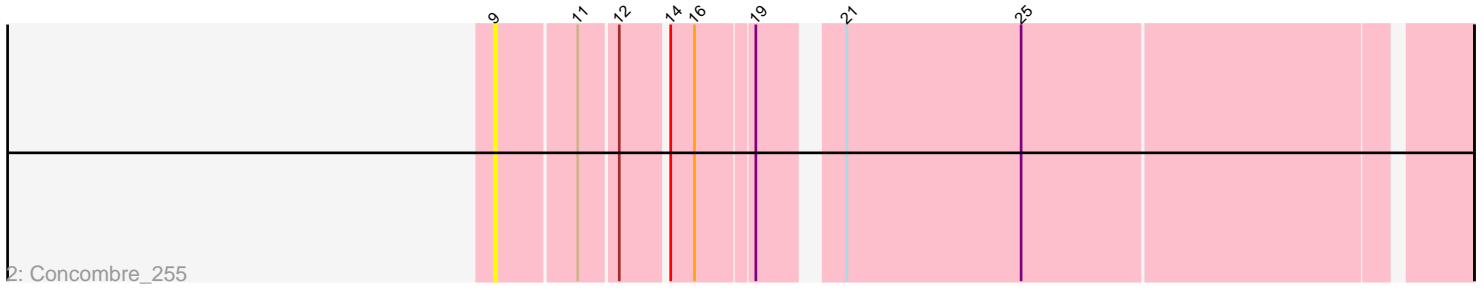
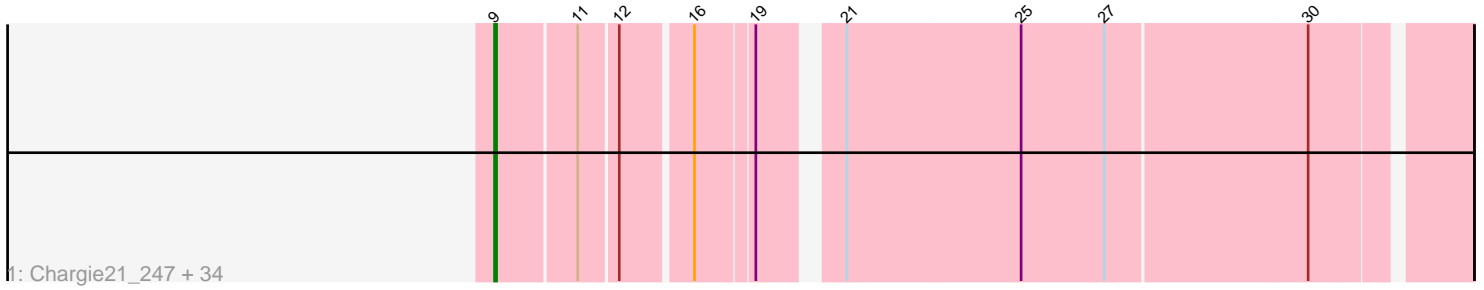


Pham 171607



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 171607 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171607 has 40 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Chargie21_247, Trinitium_246, JPickles_247, ZygoTaiga_246, Basquiat_247, Lee7_249, Erdmann_251, StubbySaigey_256, PurduePete_250, FudgeTart_245, Morizzled23_247, Gizmo_255, Specks_254, Bread_246, Astraea_245, Asterius_245, McGee_251, Janiyra_253, Darko_249, Bonray_252, Cactojaque_244, Blackbrain_248, Maby2021_250, SrishMeg2525_247, ErnieJ_243, Ading_252, Shrimp_252, Yucca_250, EmToTheThree_250, Teardrop_248, Issimir_245, TinyTim_248, BananaFence_247, Salacia_251, FoxtrotP1_248
- Track 2 : Concombre_255
- Track 3 : Dove_143, Odette_154
- Track 4 : Bagrid_113
- Track 5 : Hannaconda_99

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

The start number called the most often in the published annotations is 9, it was called in 32 of the 33 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ading_252, Asterius_245, Astraea_245, BananaFence_247, Basquiat_247, Blackbrain_248, Bonray_252, Bread_246, Cactojaque_244, Chargie21_247, Concombre_255, Darko_249, EmToTheThree_250, Erdmann_251, ErnieJ_243, FoxtrotP1_248, FudgeTart_245, Gizmo_255, Issimir_245, JPickles_247, Janiyra_253, Lee7_249, Maby2021_250, McGee_251, Morizzled23_247, PurduePete_250, Salacia_251, Shrimp_252, Specks_254, SrishMeg2525_247, StubbySaigey_256, Teardrop_248, TinyTim_248, Trinitium_246, Yucca_250, ZygoTaiga_246,

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

-

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

- Bagrid_113, Dove_143, Hannaconda_99, Odette_154,

Summary by start number:

Start 9:

- Found in 36 of 40 (90.0%) of genes in pham
- Manual Annotations of this start: 32 of 33
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ading_252 (C1), Asterius_245 (C1), Astraea_245 (C1), BananaFence_247 (C1), Basquiat_247 (C1), Blackbrain_248 (C1), Bonray_252 (C1), Bread_246 (C1), Cactojaque_244 (C1), Chargie21_247 (C1), Concombre_255 (C1), Darko_249 (C1), EmToTheThree_250 (C1), Erdmann_251 (C1), ErnieJ_243 (C1), FoxtrotP1_248 (C1), FudgeTart_245 (C1), Gizmo_255 (C1), Issimir_245 (C1), JPickles_247 (C1), Janiyra_253 (C1), Lee7_249 (C1), Maby2021_250 (C1), McGee_251 (C1), Morizzled23_247 (C1), PurduePete_250 (C1), Salacia_251 (C1), Shrimp_252 (C1), Specks_254 (C1), SrishMeg2525_247 (C1), StubbySaigey_256 (C1), Teardrop_248 (C1), TinyTim_248 (C1), Trinitium_246 (C1), Yucca_250 (C1), ZygoTaiga_246 (C1),

Start 13:

- Found in 2 of 40 (5.0%) of genes in pham
- Manual Annotations of this start: 1 of 33
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bagrid_113 (J), Hannaconda_99 (J),

Start 17:

- Found in 2 of 40 (5.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dove_143 (J), Odette_154 (J),

Summary by clusters:

There are 2 clusters represented in this pham: C1, J,

Info for manual annotations of cluster C1:

- Start number 9 was manually annotated 32 times for cluster C1.

Info for manual annotations of cluster J:

- Start number 13 was manually annotated 1 time for cluster J.

Gene Information:

Gene: Ading_252 Start: 144356, Stop: 144805, Start Num: 9

Candidate Starts for Ading_252:

(Start: 9 @144356 has 32 MA's), (11, 144395), (12, 144413), (16, 144446), (19, 144473), (21, 144506), (25, 144593), (27, 144635), (30, 144734),

Gene: Asterius_245 Start: 142368, Stop: 142817, Start Num: 9

Candidate Starts for Asterius_245:

(Start: 9 @142368 has 32 MA's), (11, 142407), (12, 142425), (16, 142458), (19, 142485), (21, 142518), (25, 142605), (27, 142647), (30, 142746),

Gene: Astraea_245 Start: 141563, Stop: 142012, Start Num: 9

Candidate Starts for Astraea_245:

(Start: 9 @141563 has 32 MA's), (11, 141602), (12, 141620), (16, 141653), (19, 141680), (21, 141713), (25, 141800), (27, 141842), (30, 141941),

Gene: Bagrid_113 Start: 63671, Stop: 64075, Start Num: 13

Candidate Starts for Bagrid_113:

(1, 63371), (2, 63395), (4, 63500), (5, 63533), (6, 63551), (10, 63608), (Start: 13 @63671 has 1 MA's), (16, 63686), (18, 63704), (21, 63761), (22, 63767), (24, 63827), (28, 63920),

Gene: BananaFence_247 Start: 142192, Stop: 142641, Start Num: 9

Candidate Starts for BananaFence_247:

(Start: 9 @142192 has 32 MA's), (11, 142231), (12, 142249), (16, 142282), (19, 142309), (21, 142342), (25, 142429), (27, 142471), (30, 142570),

Gene: Basquiat_247 Start: 140478, Stop: 140927, Start Num: 9

Candidate Starts for Basquiat_247:

(Start: 9 @140478 has 32 MA's), (11, 140517), (12, 140535), (16, 140568), (19, 140595), (21, 140628), (25, 140715), (27, 140757), (30, 140856),

Gene: Blackbrain_248 Start: 142255, Stop: 142704, Start Num: 9

Candidate Starts for Blackbrain_248:

(Start: 9 @142255 has 32 MA's), (11, 142294), (12, 142312), (16, 142345), (19, 142372), (21, 142405), (25, 142492), (27, 142534), (30, 142633),

Gene: Bonray_252 Start: 144055, Stop: 144504, Start Num: 9

Candidate Starts for Bonray_252:

(Start: 9 @144055 has 32 MA's), (11, 144094), (12, 144112), (16, 144145), (19, 144172), (21, 144205), (25, 144292), (27, 144334), (30, 144433),

Gene: Bread_246 Start: 142022, Stop: 142471, Start Num: 9

Candidate Starts for Bread_246:

(Start: 9 @142022 has 32 MA's), (11, 142061), (12, 142079), (16, 142112), (19, 142139), (21, 142172), (25, 142259), (27, 142301), (30, 142400),

Gene: Cactojaque_244 Start: 141201, Stop: 141650, Start Num: 9

Candidate Starts for Cactojaque_244:

(Start: 9 @141201 has 32 MA's), (11, 141240), (12, 141258), (16, 141291), (19, 141318), (21, 141351), (25, 141438), (27, 141480), (30, 141579),

Gene: Chargie21_247 Start: 140478, Stop: 140927, Start Num: 9

Candidate Starts for Chargie21_247:

(Start: 9 @140478 has 32 MA's), (11, 140517), (12, 140535), (16, 140568), (19, 140595), (21, 140628), (25, 140715), (27, 140757), (30, 140856),

Gene: Concombres_255 Start: 144217, Stop: 144666, Start Num: 9

Candidate Starts for Concombres_255:

(Start: 9 @144217 has 32 MA's), (11, 144256), (12, 144274), (14, 144295), (16, 144307), (19, 144334), (21, 144367), (25, 144454),

Gene: Darko_249 Start: 142196, Stop: 142645, Start Num: 9

Candidate Starts for Darko_249:

(Start: 9 @142196 has 32 MA's), (11, 142235), (12, 142253), (16, 142286), (19, 142313), (21, 142346), (25, 142433), (27, 142475), (30, 142574),

Gene: Dove_143 Start: 75459, Stop: 75830, Start Num: 17

Candidate Starts for Dove_143:

(3, 75231), (6, 75333), (7, 75354), (8, 75357), (12, 75420), (15, 75450), (17, 75459), (20, 75492), (23, 75537), (26, 75624), (28, 75684), (29, 75720), (31, 75816),

Gene: EmToTheThree_250 Start: 143104, Stop: 143553, Start Num: 9

Candidate Starts for EmToTheThree_250:

(Start: 9 @143104 has 32 MA's), (11, 143143), (12, 143161), (16, 143194), (19, 143221), (21, 143254), (25, 143341), (27, 143383), (30, 143482),

Gene: Erdmann_251 Start: 143072, Stop: 143521, Start Num: 9

Candidate Starts for Erdmann_251:

(Start: 9 @143072 has 32 MA's), (11, 143111), (12, 143129), (16, 143162), (19, 143189), (21, 143222), (25, 143309), (27, 143351), (30, 143450),

Gene: ErnieJ_243 Start: 139900, Stop: 140349, Start Num: 9

Candidate Starts for ErnieJ_243:

(Start: 9 @139900 has 32 MA's), (11, 139939), (12, 139957), (16, 139990), (19, 140017), (21, 140050), (25, 140137), (27, 140179), (30, 140278),

Gene: FoxtrotP1_248 Start: 143658, Stop: 144107, Start Num: 9

Candidate Starts for FoxtrotP1_248:

(Start: 9 @143658 has 32 MA's), (11, 143697), (12, 143715), (16, 143748), (19, 143775), (21, 143808), (25, 143895), (27, 143937), (30, 144036),

Gene: FudgeTart_245 Start: 142162, Stop: 142611, Start Num: 9

Candidate Starts for FudgeTart_245:

(Start: 9 @142162 has 32 MA's), (11, 142201), (12, 142219), (16, 142252), (19, 142279), (21, 142312), (25, 142399), (27, 142441), (30, 142540),

Gene: Gizmo_255 Start: 144989, Stop: 145438, Start Num: 9

Candidate Starts for Gizmo_255:

(Start: 9 @144989 has 32 MA's), (11, 145028), (12, 145046), (16, 145079), (19, 145106), (21, 145139), (25, 145226), (27, 145268), (30, 145367),

Gene: Hannaconda_99 Start: 57411, Stop: 57815, Start Num: 13

Candidate Starts for Hannaconda_99:

(4, 57240), (5, 57273), (6, 57291), (10, 57348), (Start: 13 @57411 has 1 MA's), (16, 57426), (18, 57444), (21, 57501), (22, 57507), (24, 57567), (28, 57660), (32, 57801),

Gene: Issimir_245 Start: 142261, Stop: 142710, Start Num: 9

Candidate Starts for Issimir_245:

(Start: 9 @142261 has 32 MA's), (11, 142300), (12, 142318), (16, 142351), (19, 142378), (21, 142411), (25, 142498), (27, 142540), (30, 142639),

Gene: JPickles_247 Start: 141311, Stop: 141760, Start Num: 9

Candidate Starts for JPickles_247:

(Start: 9 @141311 has 32 MA's), (11, 141350), (12, 141368), (16, 141401), (19, 141428), (21, 141461), (25, 141548), (27, 141590), (30, 141689),

Gene: Janiyra_253 Start: 142848, Stop: 143297, Start Num: 9

Candidate Starts for Janiyra_253:

(Start: 9 @142848 has 32 MA's), (11, 142887), (12, 142905), (16, 142938), (19, 142965), (21, 142998), (25, 143085), (27, 143127), (30, 143226),

Gene: Lee7_249 Start: 144611, Stop: 145060, Start Num: 9

Candidate Starts for Lee7_249:

(Start: 9 @144611 has 32 MA's), (11, 144650), (12, 144668), (16, 144701), (19, 144728), (21, 144761), (25, 144848), (27, 144890), (30, 144989),

Gene: Maby2021_250 Start: 143650, Stop: 144099, Start Num: 9

Candidate Starts for Maby2021_250:

(Start: 9 @143650 has 32 MA's), (11, 143689), (12, 143707), (16, 143740), (19, 143767), (21, 143800), (25, 143887), (27, 143929), (30, 144028),

Gene: McGee_251 Start: 142298, Stop: 142747, Start Num: 9

Candidate Starts for McGee_251:

(Start: 9 @142298 has 32 MA's), (11, 142337), (12, 142355), (16, 142388), (19, 142415), (21, 142448), (25, 142535), (27, 142577), (30, 142676),

Gene: Morizzled23_247 Start: 141326, Stop: 141775, Start Num: 9

Candidate Starts for Morizzled23_247:

(Start: 9 @141326 has 32 MA's), (11, 141365), (12, 141383), (16, 141416), (19, 141443), (21, 141476), (25, 141563), (27, 141605), (30, 141704),

Gene: Odette_154 Start: 81698, Stop: 82069, Start Num: 17

Candidate Starts for Odette_154:

(3, 81470), (6, 81572), (7, 81593), (8, 81596), (12, 81659), (15, 81689), (17, 81698), (20, 81731), (23, 81776), (26, 81863), (28, 81923), (29, 81959), (31, 82055),

Gene: PurduePete_250 Start: 143690, Stop: 144139, Start Num: 9

Candidate Starts for PurduePete_250:

(Start: 9 @143690 has 32 MA's), (11, 143729), (12, 143747), (16, 143780), (19, 143807), (21, 143840), (25, 143927), (27, 143969), (30, 144068),

Gene: Salacia_251 Start: 144116, Stop: 144565, Start Num: 9

Candidate Starts for Salacia_251:

(Start: 9 @144116 has 32 MA's), (11, 144155), (12, 144173), (16, 144206), (19, 144233), (21, 144266), (25, 144353), (27, 144395), (30, 144494),

Gene: Shrimp_252 Start: 143727, Stop: 144176, Start Num: 9

Candidate Starts for Shrimp_252:

(Start: 9 @143727 has 32 MA's), (11, 143766), (12, 143784), (16, 143817), (19, 143844), (21, 143877), (25, 143964), (27, 144006), (30, 144105),

Gene: Specks_254 Start: 143067, Stop: 143516, Start Num: 9

Candidate Starts for Specks_254:

(Start: 9 @143067 has 32 MA's), (11, 143106), (12, 143124), (16, 143157), (19, 143184), (21, 143217), (25, 143304), (27, 143346), (30, 143445),

Gene: SrishMeg2525_247 Start: 143222, Stop: 143671, Start Num: 9

Candidate Starts for SrishMeg2525_247:

(Start: 9 @143222 has 32 MA's), (11, 143261), (12, 143279), (16, 143312), (19, 143339), (21, 143372), (25, 143459), (27, 143501), (30, 143600),

Gene: StubbySaigey_256 Start: 142752, Stop: 143201, Start Num: 9

Candidate Starts for StubbySaigey_256:

(Start: 9 @142752 has 32 MA's), (11, 142791), (12, 142809), (16, 142842), (19, 142869), (21, 142902), (25, 142989), (27, 143031), (30, 143130),

Gene: Teardrop_248 Start: 142079, Stop: 142528, Start Num: 9

Candidate Starts for Teardrop_248:

(Start: 9 @142079 has 32 MA's), (11, 142118), (12, 142136), (16, 142169), (19, 142196), (21, 142229), (25, 142316), (27, 142358), (30, 142457),

Gene: TinyTim_248 Start: 142046, Stop: 142495, Start Num: 9

Candidate Starts for TinyTim_248:

(Start: 9 @142046 has 32 MA's), (11, 142085), (12, 142103), (16, 142136), (19, 142163), (21, 142196), (25, 142283), (27, 142325), (30, 142424),

Gene: Trinitium_246 Start: 140800, Stop: 141249, Start Num: 9

Candidate Starts for Trinitium_246:

(Start: 9 @140800 has 32 MA's), (11, 140839), (12, 140857), (16, 140890), (19, 140917), (21, 140950), (25, 141037), (27, 141079), (30, 141178),

Gene: Yucca_250 Start: 143605, Stop: 144054, Start Num: 9

Candidate Starts for Yucca_250:

(Start: 9 @143605 has 32 MA's), (11, 143644), (12, 143662), (16, 143695), (19, 143722), (21, 143755), (25, 143842), (27, 143884), (30, 143983),

Gene: ZygoTaiga_246 Start: 143902, Stop: 144351, Start Num: 9

Candidate Starts for ZygoTaiga_246:

(Start: 9 @143902 has 32 MA's), (11, 143941), (12, 143959), (16, 143992), (19, 144019), (21, 144052), (25, 144139), (27, 144181), (30, 144280),