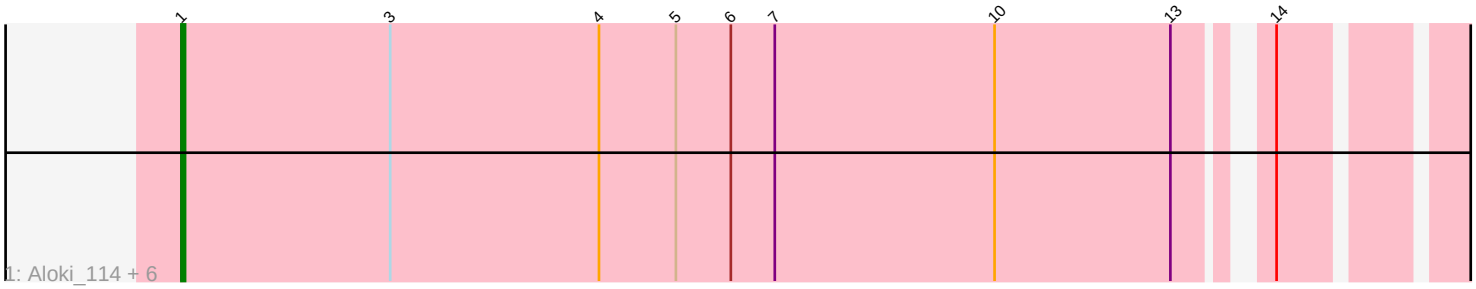
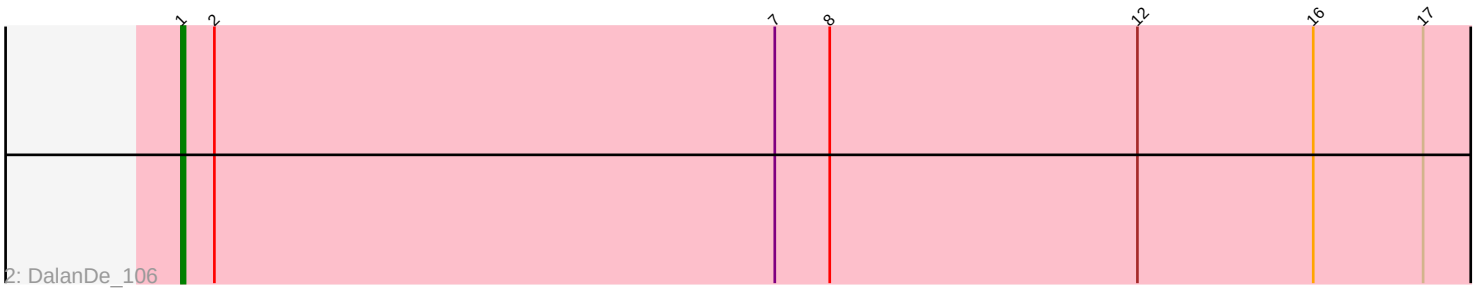
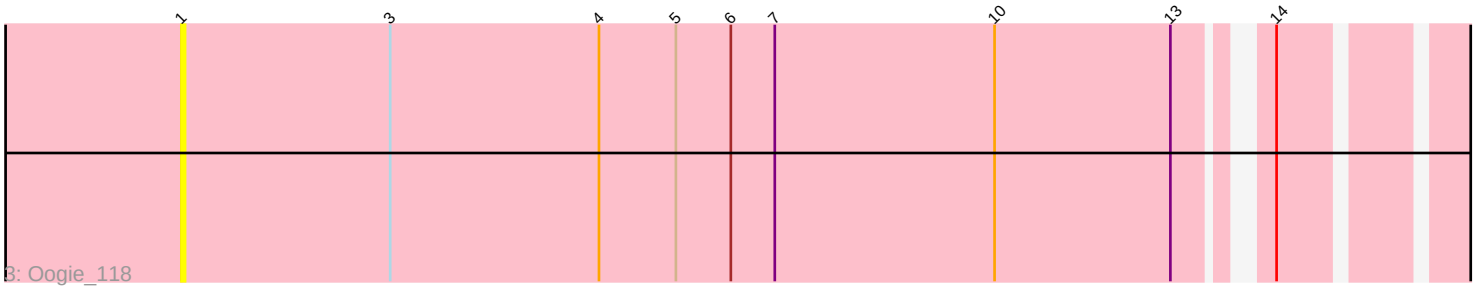
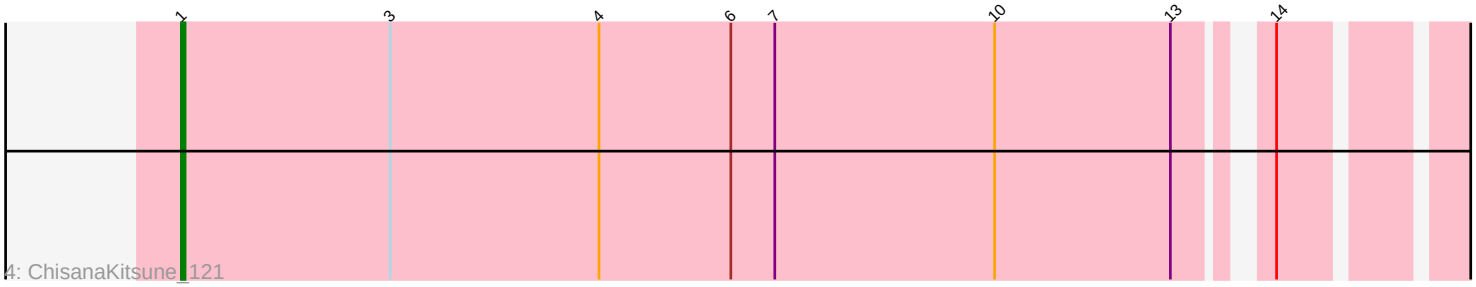
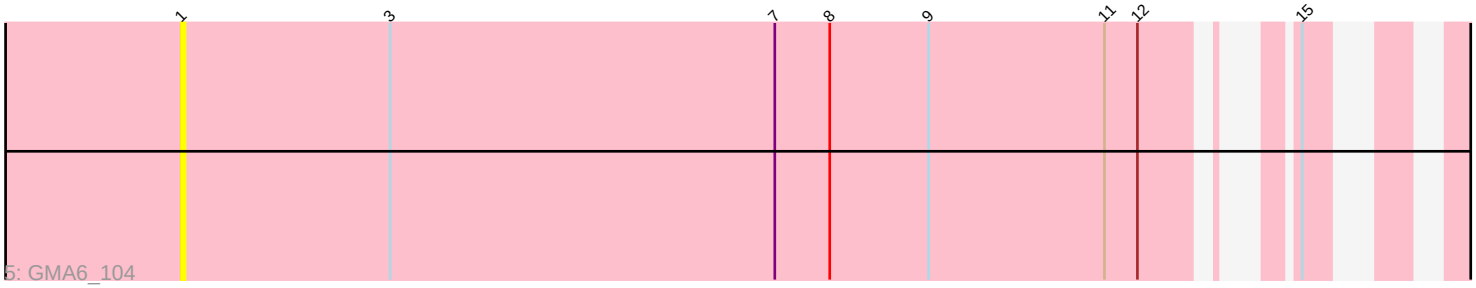
Zoomed Pham 171928











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 171928 Report

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

Pham number 171928 has 11 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Aloki_114, Kabocha_124, Chidiebere_123, Gray_119, Schomber_121, Pakusa_116, Hanem_121
• Track 2 : DalanDe_106
• Track 3 : Oogie_118
• Track 4 : ChisanaKitsune_121
• Track 5 : GMA6_104

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

The start number called the most often in the published annotations is 1, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloki_114, Chidiebere_123, ChisanaKitsune_121, DalanDe_106, GMA6_104, Gray_119, Hanem_121, Kabocha_124, Oogie_118, Pakusa_116, Schomber_121,

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

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

Summary by start number:

Start 1:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloki_114 (DQ), Chidiebere_123 (DQ), ChisanaKitsune_121 (DQ), DalanDe_106 (DQ), GMA6_104 (DQ), Gray_119 (DQ), Hanem_121 (DQ), Kabocha_124 (DQ), Oogie_118 (DQ), Pakusa_116 (DQ), Schomber_121 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:
•Start number 1 was manually annotated 7 times for cluster DQ.

Gene Information:

Gene: Aloki_114 Start: 84783, Stop: 86426, Start Num: 1
Candidate Starts for Aloki_114:
(Start: 1 @84783 has 7 MA's), (3, 84840), (4, 84897), (5, 84918), (6, 84933), (7, 84945), (10, 85005), (13, 85053), (14, 85071), (18, 85128), (19, 85143), (22, 85224), (25, 85335), (33, 85479), (34, 85506), (35, 85527), (36, 85533), (39, 85605), (42, 85707), (45, 85767), (51, 85875), (53, 85881), (55, 85917), (56, 85935), (58, 85959), (59, 85965), (60, 85986), (61, 86010), (63, 86040), (66, 86106), (67, 86112), (69, 86172), (70, 86202), (72, 86238), (75, 86304), (80, 86382), (84, 86412),

Gene: Chidiebere_123 Start: 86686, Stop: 88329, Start Num: 1
Candidate Starts for Chidiebere_123:
(Start: 1 @86686 has 7 MA's), (3, 86743), (4, 86800), (5, 86821), (6, 86836), (7, 86848), (10, 86908), (13, 86956), (14, 86974), (18, 87031), (19, 87046), (22, 87127), (25, 87238), (33, 87382), (34, 87409), (35, 87430), (36, 87436), (39, 87508), (42, 87610), (45, 87670), (51, 87778), (53, 87784), (55, 87820), (56, 87838), (58, 87862), (59, 87868), (60, 87889), (61, 87913), (63, 87943), (66, 88009), (67, 88015), (69, 88075), (70, 88105), (72, 88141), (75, 88207), (80, 88285), (84, 88315),

Gene: ChisanaKitsune_121 Start: 84929, Stop: 86572, Start Num: 1
Candidate Starts for ChisanaKitsune_121:
(Start: 1 @84929 has 7 MA's), (3, 84986), (4, 85043), (6, 85079), (7, 85091), (10, 85151), (13, 85199), (14, 85217), (18, 85274), (19, 85289), (22, 85370), (25, 85481), (32, 85619), (33, 85625), (34, 85652), (35, 85673), (37, 85733), (42, 85853), (45, 85913), (51, 86021), (53, 86027), (55, 86063), (56, 86081), (58, 86105), (59, 86111), (60, 86132), (61, 86156), (63, 86186), (66, 86252), (67, 86258), (69, 86318), (70, 86348), (72, 86384), (75, 86450), (80, 86528), (84, 86558),

Gene: DalanDe_106 Start: 82821, Stop: 84455, Start Num: 1
Candidate Starts for DalanDe_106:
(Start: 1 @82821 has 7 MA's), (2, 82830), (7, 82983), (8, 82998), (12, 83082), (16, 83130), (17, 83160), (23, 83301), (24, 83367), (28, 83454), (29, 83460), (30, 83487), (32, 83523), (34, 83556), (37, 83637), (39, 83655), (40, 83676), (42, 83739), (44, 83769), (47, 83853), (48, 83856), (49, 83883), (51, 83904), (57, 83979), (61, 84039), (62, 84063), (63, 84069), (64, 84084), (65, 84102), (67, 84141), (74, 84330), (77, 84360), (81, 84417), (83, 84432),

Gene: GMA6_104 Start: 76794, Stop: 78356, Start Num: 1
Candidate Starts for GMA6_104:
(Start: 1 @76794 has 7 MA's), (3, 76851), (7, 76956), (8, 76971), (9, 76998), (11, 77046), (12, 77055), (15, 77079), (20, 77148), (21, 77208), (22, 77214), (26, 77358), (27, 77382), (31, 77439), (33, 77466), (36, 77520), (38, 77577), (41, 77646), (43, 77691), (46, 77760), (50, 77823), (52, 77829), (54, 77859), (68, 78084), (71, 78162), (72, 78183), (73, 78243), (76, 78267), (78, 78303), (79, 78312), (82, 78336),

Gene: Gray_119 Start: 85242, Stop: 86885, Start Num: 1
Candidate Starts for Gray_119:
(Start: 1 @85242 has 7 MA's), (3, 85299), (4, 85356), (5, 85377), (6, 85392), (7, 85404), (10, 85464), (13, 85512), (14, 85530), (18, 85587), (19, 85602), (22, 85683), (25, 85794), (33, 85938), (34, 85965),

(35, 85986), (36, 85992), (39, 86064), (42, 86166), (45, 86226), (51, 86334), (53, 86340), (55, 86376), (56, 86394), (58, 86418), (59, 86424), (60, 86445), (61, 86469), (63, 86499), (66, 86565), (67, 86571), (69, 86631), (70, 86661), (72, 86697), (75, 86763), (80, 86841), (84, 86871),

Gene: Hanem_121 Start: 84783, Stop: 86426, Start Num: 1
Candidate Starts for Hanem_121:
(Start: 1 @84783 has 7 MA's), (3, 84840), (4, 84897), (5, 84918), (6, 84933), (7, 84945), (10, 85005), (13, 85053), (14, 85071), (18, 85128), (19, 85143), (22, 85224), (25, 85335), (33, 85479), (34, 85506), (35, 85527), (36, 85533), (39, 85605), (42, 85707), (45, 85767), (51, 85875), (53, 85881), (55, 85917), (56, 85935), (58, 85959), (59, 85965), (60, 85986), (61, 86010), (63, 86040), (66, 86106), (67, 86112), (69, 86172), (70, 86202), (72, 86238), (75, 86304), (80, 86382), (84, 86412),

Gene: Kabocha_124 Start: 87499, Stop: 89142, Start Num: 1
Candidate Starts for Kabocha_124:
(Start: 1 @87499 has 7 MA's), (3, 87556), (4, 87613), (5, 87634), (6, 87649), (7, 87661), (10, 87721), (13, 87769), (14, 87787), (18, 87844), (19, 87859), (22, 87940), (25, 88051), (33, 88195), (34, 88222), (35, 88243), (36, 88249), (39, 88321), (42, 88423), (45, 88483), (51, 88591), (53, 88597), (55, 88633), (56, 88651), (58, 88675), (59, 88681), (60, 88702), (61, 88726), (63, 88756), (66, 88822), (67, 88828), (69, 88888), (70, 88918), (72, 88954), (75, 89020), (80, 89098), (84, 89128),

Gene: Oogie_118 Start: 87207, Stop: 88850, Start Num: 1
Candidate Starts for Oogie_118:
(Start: 1 @87207 has 7 MA's), (3, 87264), (4, 87321), (5, 87342), (6, 87357), (7, 87369), (10, 87429), (13, 87477), (14, 87495), (18, 87552), (19, 87567), (22, 87648), (25, 87759), (33, 87903), (34, 87930), (35, 87951), (36, 87957), (39, 88029), (42, 88131), (45, 88191), (51, 88299), (53, 88305), (55, 88341), (56, 88359), (58, 88383), (59, 88389), (60, 88410), (61, 88434), (63, 88464), (66, 88530), (67, 88536), (69, 88596), (70, 88626), (72, 88662), (75, 88728), (80, 88806), (84, 88836),

Gene: Pakusa_116 Start: 84711, Stop: 86354, Start Num: 1
Candidate Starts for Pakusa_116:
(Start: 1 @84711 has 7 MA's), (3, 84768), (4, 84825), (5, 84846), (6, 84861), (7, 84873), (10, 84933), (13, 84981), (14, 84999), (18, 85056), (19, 85071), (22, 85152), (25, 85263), (33, 85407), (34, 85434), (35, 85455), (36, 85461), (39, 85533), (42, 85635), (45, 85695), (51, 85803), (53, 85809), (55, 85845), (56, 85863), (58, 85887), (59, 85893), (60, 85914), (61, 85938), (63, 85968), (66, 86034), (67, 86040), (69, 86100), (70, 86130), (72, 86166), (75, 86232), (80, 86310), (84, 86340),

Gene: Schomber_121 Start: 85887, Stop: 87530, Start Num: 1
Candidate Starts for Schomber_121:
(Start: 1 @85887 has 7 MA's), (3, 85944), (4, 86001), (5, 86022), (6, 86037), (7, 86049), (10, 86109), (13, 86157), (14, 86175), (18, 86232), (19, 86247), (22, 86328), (25, 86439), (33, 86583), (34, 86610), (35, 86631), (36, 86637), (39, 86709), (42, 86811), (45, 86871), (51, 86979), (53, 86985), (55, 87021), (56, 87039), (58, 87063), (59, 87069), (60, 87090), (61, 87114), (63, 87144), (66, 87210), (67, 87216), (69, 87276), (70, 87306), (72, 87342), (75, 87408), (80, 87486), (84, 87516),