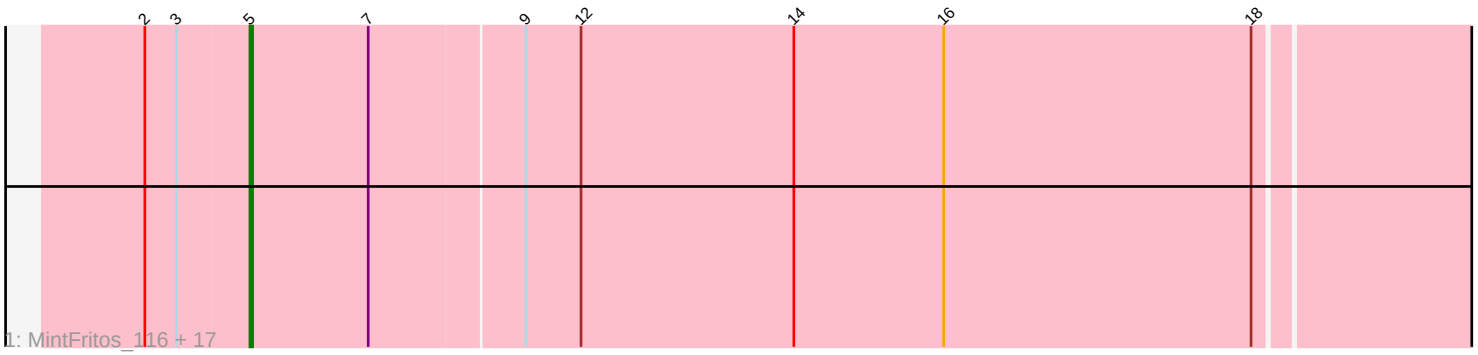
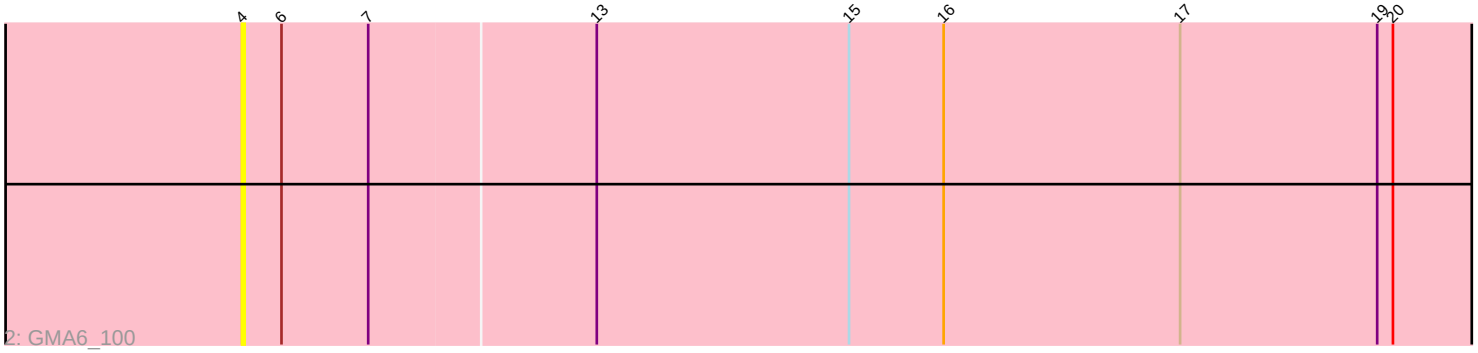
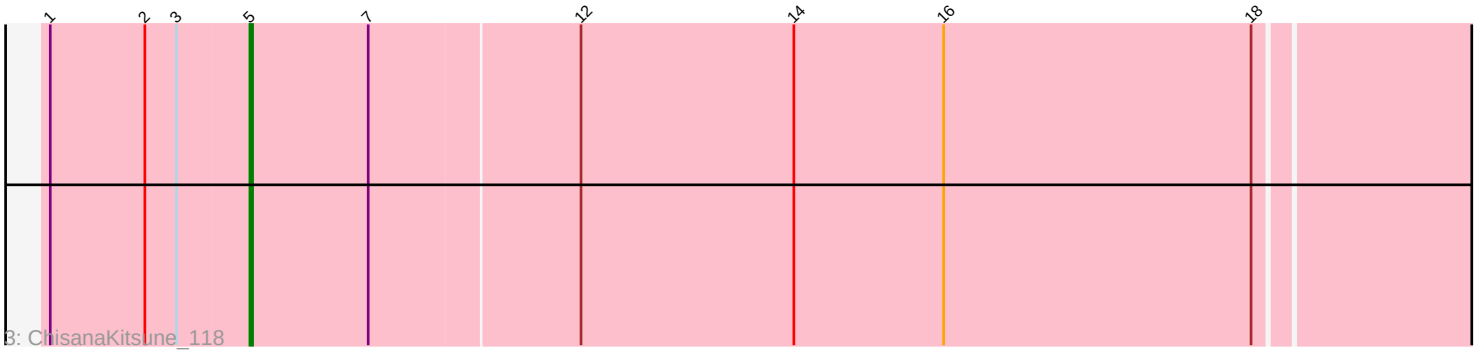
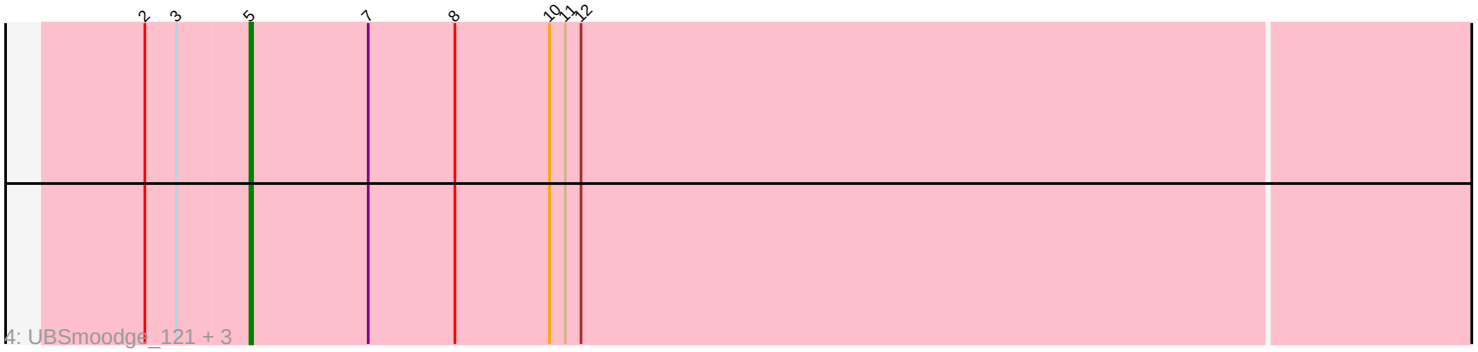
Pham 346120


2
3
5
7
9
12
14
16
18
1: MintFritos_116 + 17


4
6
7
13
15
16
17
19
20
2: GMA6_100


1
2
3
5
7
12
14
16
18
3: ChisanaKitsune_118


2
3
5
7
8
10
11
12
4: UBSmoodge_121 + 3

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 346120 Report

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

Pham number 346120 has 24 members, 10 are drafts.

Phages represented in each track:
• Track 1 : MintFritos_116, Mikronejon_120, Argena_118, EmoNemo_112, Pakusa_113, Chidiebere_119, Schomber_117, Amoonguss_117, Gray_116, Oogie_119, Kabocha_120, Toneprano_116, Twin_114, Lenoshki_115, Hanem_118, Aloki_118, Farrylious_119, Beted_115
• Track 2 : GMA6_100
• Track 3 : ChisanaKitsune_118
• Track 4 : UBSmoodge_121, FruityLoops_119, FlyingTortilla_116, ScarletRaider_117

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

The start number called the most often in the published annotations is 5, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloki_118, Amoonguss_117, Argena_118, Beted_115, Chidiebere_119, ChisanaKitsune_118, EmoNemo_112, Farrylious_119, FlyingTortilla_116, FruityLoops_119, Gray_116, Hanem_118, Kabocha_120, Lenoshki_115, Mikronejon_120, MintFritos_116, Oogie_119, Pakusa_113, ScarletRaider_117, Schomber_117, Toneprano_116, Twin_114, UBSmoodge_121,

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

Genes that do not have the "Most Annotated" start:
• GMA6_100,

Summary by start number:

Start 4:
• Found in 1 of 24 (4.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA6_100 (DQ),

Start 5:
• Found in 23 of 24 (95.8%) of genes in pham
• Manual Annotations of this start: 14 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloki_118 (DQ), Amoonguss_117 (DQ), Argena_118 (DQ), Beted_115 (DQ), Chidiebere_119 (DQ), ChisanaKitsune_118 (DQ), EmoNemo_112 (DQ), Farrylious_119 (DQ), FlyingTortilla_116 (DQ), FruityLoops_119 (DQ), Gray_116 (DQ), Hanem_118 (DQ), Kabocha_120 (DQ), Lenoshki_115 (DQ), Mikronejon_120 (DQ), MintFritos_116 (DQ), Oogie_119 (DQ), Pakusa_113 (DQ), ScarletRaider_117 (DQ), Schomber_117 (DQ), Toneprano_116 (DQ), Twin_114 (DQ), UBSmoodge_121 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:
•Start number 5 was manually annotated 14 times for cluster DQ.

Gene Information:

Gene: Aloki_118 Start: 82312, Stop: 82782, Start Num: 5
Candidate Starts for Aloki_118:
(2, 82273), (3, 82285), (Start: 5 @82312 has 14 MA's), (7, 82357), (9, 82414), (12, 82435), (14, 82516), (16, 82573), (18, 82690),

Gene: Amoonguss_117 Start: 82945, Stop: 83415, Start Num: 5
Candidate Starts for Amoonguss_117:
(2, 82906), (3, 82918), (Start: 5 @82945 has 14 MA's), (7, 82990), (9, 83047), (12, 83068), (14, 83149), (16, 83206), (18, 83323),

Gene: Argena_118 Start: 83361, Stop: 83831, Start Num: 5
Candidate Starts for Argena_118:
(2, 83322), (3, 83334), (Start: 5 @83361 has 14 MA's), (7, 83406), (9, 83463), (12, 83484), (14, 83565), (16, 83622), (18, 83739),

Gene: Beted_115 Start: 84225, Stop: 84695, Start Num: 5
Candidate Starts for Beted_115:
(2, 84186), (3, 84198), (Start: 5 @84225 has 14 MA's), (7, 84270), (9, 84327), (12, 84348), (14, 84429), (16, 84486), (18, 84603),

Gene: Chidiebere_119 Start: 83442, Stop: 83912, Start Num: 5
Candidate Starts for Chidiebere_119:
(2, 83403), (3, 83415), (Start: 5 @83442 has 14 MA's), (7, 83487), (9, 83544), (12, 83565), (14, 83646), (16, 83703), (18, 83820),

Gene: ChisanaKitsune_118 Start: 82458, Stop: 82928, Start Num: 5
Candidate Starts for ChisanaKitsune_118:
(1, 82383), (2, 82419), (3, 82431), (Start: 5 @82458 has 14 MA's), (7, 82503), (12, 82581), (14, 82662), (16, 82719), (18, 82836),

Gene: EmoNemo_112 Start: 82514, Stop: 82984, Start Num: 5
Candidate Starts for EmoNemo_112:
(2, 82475), (3, 82487), (Start: 5 @82514 has 14 MA's), (7, 82559), (9, 82616), (12, 82637), (14, 82718), (16, 82775), (18, 82892),

Gene: Farrylious_119 Start: 83113, Stop: 83583, Start Num: 5
Candidate Starts for Farrylious_119:
(2, 83074), (3, 83086), (Start: 5 @83113 has 14 MA's), (7, 83158), (9, 83215), (12, 83236), (14, 83317), (16, 83374), (18, 83491),

Gene: FlyingTortilla_116 Start: 86256, Stop: 86732, Start Num: 5
Candidate Starts for FlyingTortilla_116:
(2, 86217), (3, 86229), (Start: 5 @86256 has 14 MA's), (7, 86301), (8, 86334), (10, 86370), (11, 86376), (12, 86382),

Gene: FruityLoops_119 Start: 85762, Stop: 86238, Start Num: 5
Candidate Starts for FruityLoops_119:
(2, 85723), (3, 85735), (Start: 5 @85762 has 14 MA's), (7, 85807), (8, 85840), (10, 85876), (11, 85882), (12, 85888),

Gene: GMA6_100 Start: 73320, Stop: 73802, Start Num: 4
Candidate Starts for GMA6_100:
(4, 73320), (6, 73335), (7, 73368), (13, 73452), (15, 73548), (16, 73584), (17, 73674), (19, 73749), (20, 73755),

Gene: Gray_116 Start: 82771, Stop: 83241, Start Num: 5
Candidate Starts for Gray_116:
(2, 82732), (3, 82744), (Start: 5 @82771 has 14 MA's), (7, 82816), (9, 82873), (12, 82894), (14, 82975), (16, 83032), (18, 83149),

Gene: Hanem_118 Start: 82312, Stop: 82782, Start Num: 5
Candidate Starts for Hanem_118:
(2, 82273), (3, 82285), (Start: 5 @82312 has 14 MA's), (7, 82357), (9, 82414), (12, 82435), (14, 82516), (16, 82573), (18, 82690),

Gene: Kabocha_120 Start: 84255, Stop: 84725, Start Num: 5
Candidate Starts for Kabocha_120:
(2, 84216), (3, 84228), (Start: 5 @84255 has 14 MA's), (7, 84300), (9, 84357), (12, 84378), (14, 84459), (16, 84516), (18, 84633),

Gene: Lenoshki_115 Start: 84225, Stop: 84695, Start Num: 5
Candidate Starts for Lenoshki_115:
(2, 84186), (3, 84198), (Start: 5 @84225 has 14 MA's), (7, 84270), (9, 84327), (12, 84348), (14, 84429), (16, 84486), (18, 84603),

Gene: Mikronejon_120 Start: 82792, Stop: 83262, Start Num: 5
Candidate Starts for Mikronejon_120:
(2, 82753), (3, 82765), (Start: 5 @82792 has 14 MA's), (7, 82837), (9, 82894), (12, 82915), (14, 82996), (16, 83053), (18, 83170),

Gene: MintFritos_116 Start: 83266, Stop: 83736, Start Num: 5
Candidate Starts for MintFritos_116:

(2, 83227), (3, 83239), (Start: 5 @83266 has 14 MA's), (7, 83311), (9, 83368), (12, 83389), (14, 83470), (16, 83527), (18, 83644),

Gene: Oogie_119 Start: 84275, Stop: 84745, Start Num: 5
Candidate Starts for Oogie_119:
(2, 84236), (3, 84248), (Start: 5 @84275 has 14 MA's), (7, 84320), (9, 84377), (12, 84398), (14, 84479), (16, 84536), (18, 84653),

Gene: Pakusa_113 Start: 82240, Stop: 82710, Start Num: 5
Candidate Starts for Pakusa_113:
(2, 82201), (3, 82213), (Start: 5 @82240 has 14 MA's), (7, 82285), (9, 82342), (12, 82363), (14, 82444), (16, 82501), (18, 82618),

Gene: ScarletRaider_117 Start: 85473, Stop: 85949, Start Num: 5
Candidate Starts for ScarletRaider_117:
(2, 85434), (3, 85446), (Start: 5 @85473 has 14 MA's), (7, 85518), (8, 85551), (10, 85587), (11, 85593), (12, 85599),

Gene: Schomber_117 Start: 82643, Stop: 83113, Start Num: 5
Candidate Starts for Schomber_117:
(2, 82604), (3, 82616), (Start: 5 @82643 has 14 MA's), (7, 82688), (9, 82745), (12, 82766), (14, 82847), (16, 82904), (18, 83021),

Gene: Toneprano_116 Start: 82959, Stop: 83429, Start Num: 5
Candidate Starts for Toneprano_116:
(2, 82920), (3, 82932), (Start: 5 @82959 has 14 MA's), (7, 83004), (9, 83061), (12, 83082), (14, 83163), (16, 83220), (18, 83337),

Gene: Twin_114 Start: 82989, Stop: 83459, Start Num: 5
Candidate Starts for Twin_114:
(2, 82950), (3, 82962), (Start: 5 @82989 has 14 MA's), (7, 83034), (9, 83091), (12, 83112), (14, 83193), (16, 83250), (18, 83367),

Gene: UBSmoodge_121 Start: 86043, Stop: 86519, Start Num: 5
Candidate Starts for UBSmoodge_121:
(2, 86004), (3, 86016), (Start: 5 @86043 has 14 MA's), (7, 86088), (8, 86121), (10, 86157), (11, 86163), (12, 86169),