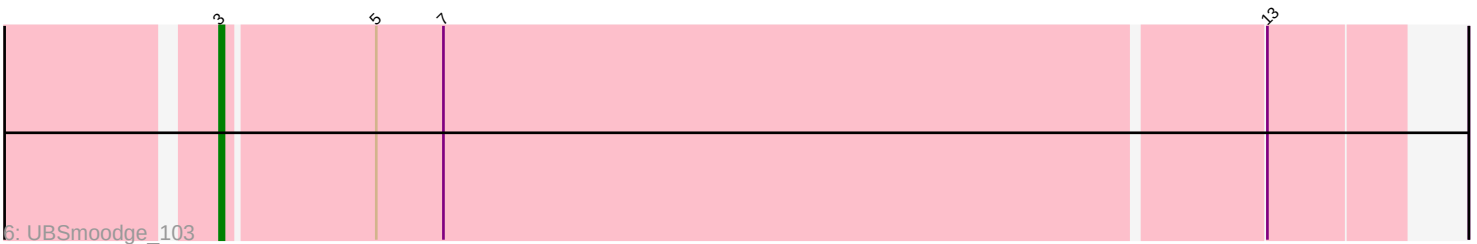
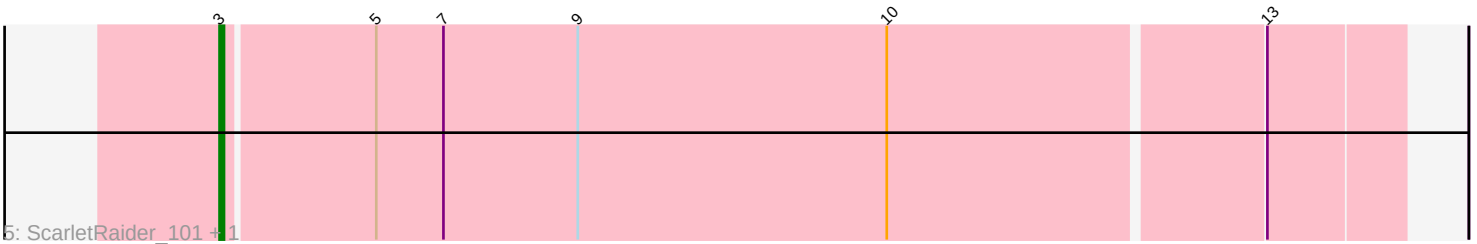
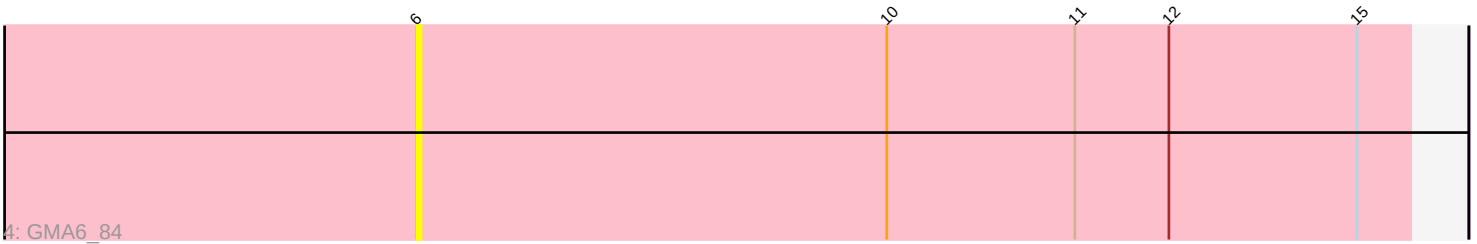
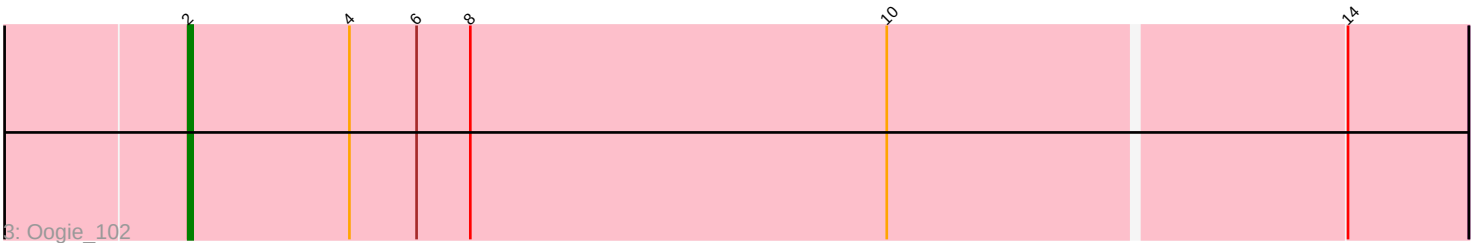
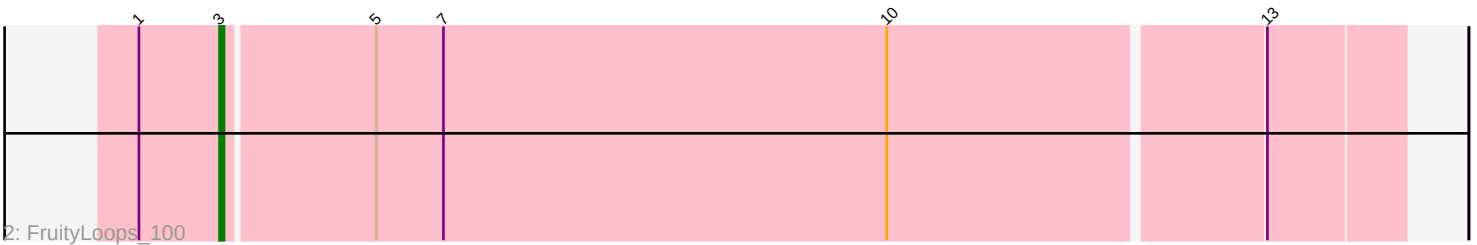
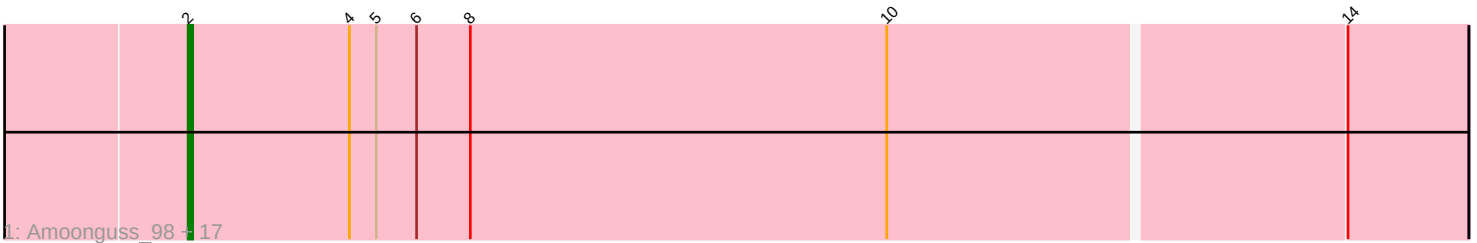


Pham 317935



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 317935 Report

This analysis was run 09/05/26 on database version 662.

Pham number 317935 has 24 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Amoonguss_98, Gray_101, MintFritos_97, EmoNemo_95, Pakusa_96, Farrylious_100, Schomber_99, Lenoshki_100, Aloki_100, Chidiebere_101, Beted_100, Hanem_100, Argena_99, Twin_95, Toneprano_98, Kabocha_102, ChisanaKitsune_99, Mikronejon_101
- Track 2 : FruityLoops_100
- Track 3 : Oogie_102
- Track 4 : GMA6_84
- Track 5 : ScarletRaider_101, FlyingTortilla_100
- Track 6 : UBSmoodge_103

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

The start number called the most often in the published annotations is 2, it was called in 10 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aloki_100, Amoonguss_98, Argena_99, Beted_100, Chidiebere_101, ChisanaKitsune_99, EmoNemo_95, Farrylious_100, Gray_101, Hanem_100, Kabocha_102, Lenoshki_100, Mikronejon_101, MintFritos_97, Oogie_102, Pakusa_96, Schomber_99, Toneprano_98, Twin_95,

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

-

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

- FlyingTortilla_100, FruityLoops_100, GMA6_84, ScarletRaider_101, UBSmoodge_103,

Summary by start number:

Start 2:

- Found in 19 of 24 (79.2%) of genes in pham
- Manual Annotations of this start: 10 of 14
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Alok_i_100 (DQ), Amoonguss_98 (DQ), Argena_99 (DQ), Beted_100 (DQ), Chidiebere_101 (DQ), ChisanaKitsune_99 (DQ), EmoNemo_95 (DQ), Farrylous_100 (DQ), Gray_101 (DQ), Hanem_100 (DQ), Kabocha_102 (DQ), Lenoshki_100 (DQ), Mikronejon_101 (DQ), MintFritos_97 (DQ), Oogie_102 (DQ), Pakusa_96 (DQ), Schomber_99 (DQ), Toneprano_98 (DQ), Twin_95 (DQ),

Start 3:

- Found in 4 of 24 (16.7%) of genes in pham
- Manual Annotations of this start: 4 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: FlyingTortilla_100 (DQ), FruityLoops_100 (DQ), ScarletRaider_101 (DQ), UBSmoodge_103 (DQ),

Start 6:

- Found in 20 of 24 (83.3%) of genes in pham
- No Manual Annotations of this start.
- Called 5.0% of time when present
- Phage (with cluster) where this start called: GMA6_84 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:

- Start number 2 was manually annotated 10 times for cluster DQ.
- Start number 3 was manually annotated 4 times for cluster DQ.

Gene Information:

Gene: Alok_i_100 Start: 73261, Stop: 73542, Start Num: 2

Candidate Starts for Alok_i_100:

(Start: 2 @73261 has 10 MA's), (4, 73297), (5, 73303), (6, 73312), (8, 73324), (10, 73417), (14, 73516),

Gene: Amoonguss_98 Start: 73216, Stop: 73497, Start Num: 2

Candidate Starts for Amoonguss_98:

(Start: 2 @73216 has 10 MA's), (4, 73252), (5, 73258), (6, 73267), (8, 73279), (10, 73372), (14, 73471),

Gene: Argena_99 Start: 73632, Stop: 73913, Start Num: 2

Candidate Starts for Argena_99:

(Start: 2 @73632 has 10 MA's), (4, 73668), (5, 73674), (6, 73683), (8, 73695), (10, 73788), (14, 73887),

Gene: Beted_100 Start: 75149, Stop: 75430, Start Num: 2

Candidate Starts for Beted_100:

(Start: 2 @75149 has 10 MA's), (4, 75185), (5, 75191), (6, 75200), (8, 75212), (10, 75305), (14, 75404),

Gene: Chidiebere_101 Start: 73911, Stop: 74192, Start Num: 2

Candidate Starts for Chidiebere_101:

(Start: 2 @73911 has 10 MA's), (4, 73947), (5, 73953), (6, 73962), (8, 73974), (10, 74067), (14, 74166),

Gene: ChisanaKitsune_99 Start: 73259, Stop: 73540, Start Num: 2

Candidate Starts for ChisanaKitsune_99:

(Start: 2 @73259 has 10 MA's), (4, 73295), (5, 73301), (6, 73310), (8, 73322), (10, 73415), (14, 73514),

Gene: EmoNemo_95 Start: 73261, Stop: 73542, Start Num: 2

Candidate Starts for EmoNemo_95:

(Start: 2 @73261 has 10 MA's), (4, 73297), (5, 73303), (6, 73312), (8, 73324), (10, 73417), (14, 73516),

Gene: Farrylous_100 Start: 73399, Stop: 73680, Start Num: 2

Candidate Starts for Farrylous_100:

(Start: 2 @73399 has 10 MA's), (4, 73435), (5, 73441), (6, 73450), (8, 73462), (10, 73555), (14, 73654),

Gene: FlyingTortilla_100 Start: 77220, Stop: 77477, Start Num: 3

Candidate Starts for FlyingTortilla_100:

(Start: 3 @77220 has 4 MA's), (5, 77253), (7, 77268), (9, 77298), (10, 77367), (13, 77448),

Gene: FruityLoops_100 Start: 76541, Stop: 76798, Start Num: 3

Candidate Starts for FruityLoops_100:

(1, 76523), (Start: 3 @76541 has 4 MA's), (5, 76574), (7, 76589), (10, 76688), (13, 76769),

Gene: GMA6_84 Start: 64909, Stop: 65130, Start Num: 6

Candidate Starts for GMA6_84:

(6, 64909), (10, 65014), (11, 65056), (12, 65077), (15, 65119),

Gene: Gray_101 Start: 73522, Stop: 73803, Start Num: 2

Candidate Starts for Gray_101:

(Start: 2 @73522 has 10 MA's), (4, 73558), (5, 73564), (6, 73573), (8, 73585), (10, 73678), (14, 73777),

Gene: Hanem_100 Start: 73261, Stop: 73542, Start Num: 2

Candidate Starts for Hanem_100:

(Start: 2 @73261 has 10 MA's), (4, 73297), (5, 73303), (6, 73312), (8, 73324), (10, 73417), (14, 73516),

Gene: Kabocha_102 Start: 74724, Stop: 75005, Start Num: 2

Candidate Starts for Kabocha_102:

(Start: 2 @74724 has 10 MA's), (4, 74760), (5, 74766), (6, 74775), (8, 74787), (10, 74880), (14, 74979),

Gene: Lenoshki_100 Start: 75149, Stop: 75430, Start Num: 2

Candidate Starts for Lenoshki_100:

(Start: 2 @75149 has 10 MA's), (4, 75185), (5, 75191), (6, 75200), (8, 75212), (10, 75305), (14, 75404),

Gene: Mikronejon_101 Start: 73261, Stop: 73542, Start Num: 2

Candidate Starts for Mikronejon_101:

(Start: 2 @73261 has 10 MA's), (4, 73297), (5, 73303), (6, 73312), (8, 73324), (10, 73417), (14, 73516),

Gene: MintFritos_97 Start: 73549, Stop: 73830, Start Num: 2

Candidate Starts for MintFritos_97:

(Start: 2 @73549 has 10 MA's), (4, 73585), (5, 73591), (6, 73600), (8, 73612), (10, 73705), (14, 73804),

Gene: Oogie_102 Start: 75199, Stop: 75480, Start Num: 2

Candidate Starts for Oogie_102:

(Start: 2 @75199 has 10 MA's), (4, 75235), (6, 75250), (8, 75262), (10, 75355), (14, 75454),

Gene: Pakusa_96 Start: 72987, Stop: 73268, Start Num: 2

Candidate Starts for Pakusa_96:

(Start: 2 @72987 has 10 MA's), (4, 73023), (5, 73029), (6, 73038), (8, 73050), (10, 73143), (14, 73242),

Gene: ScarletRaider_101 Start: 76562, Stop: 76819, Start Num: 3

Candidate Starts for ScarletRaider_101:

(Start: 3 @76562 has 4 MA's), (5, 76595), (7, 76610), (9, 76640), (10, 76709), (13, 76790),

Gene: Schomber_99 Start: 73112, Stop: 73393, Start Num: 2

Candidate Starts for Schomber_99:

(Start: 2 @73112 has 10 MA's), (4, 73148), (5, 73154), (6, 73163), (8, 73175), (10, 73268), (14, 73367),

Gene: Toneprano_98 Start: 73230, Stop: 73511, Start Num: 2

Candidate Starts for Toneprano_98:

(Start: 2 @73230 has 10 MA's), (4, 73266), (5, 73272), (6, 73281), (8, 73293), (10, 73386), (14, 73485),

Gene: Twin_95 Start: 73260, Stop: 73541, Start Num: 2

Candidate Starts for Twin_95:

(Start: 2 @73260 has 10 MA's), (4, 73296), (5, 73302), (6, 73311), (8, 73323), (10, 73416), (14, 73515),

Gene: UBSmoodge_103 Start: 77007, Stop: 77264, Start Num: 3

Candidate Starts for UBSmoodge_103:

(Start: 3 @77007 has 4 MA's), (5, 77040), (7, 77055), (13, 77235),