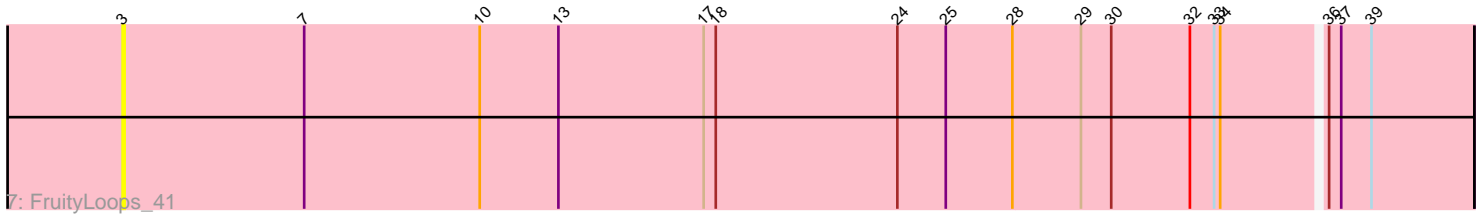
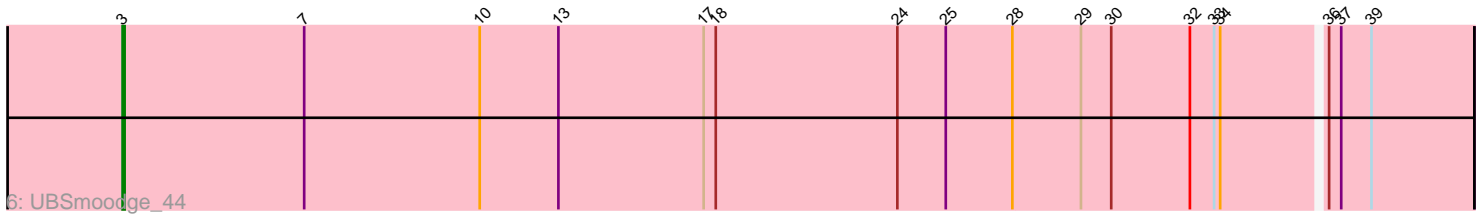
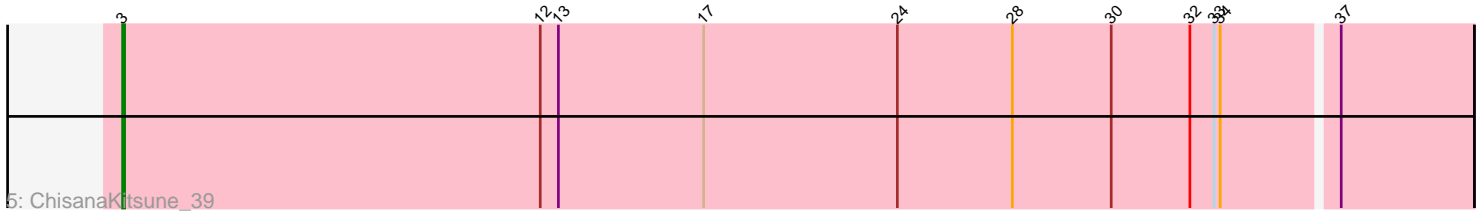
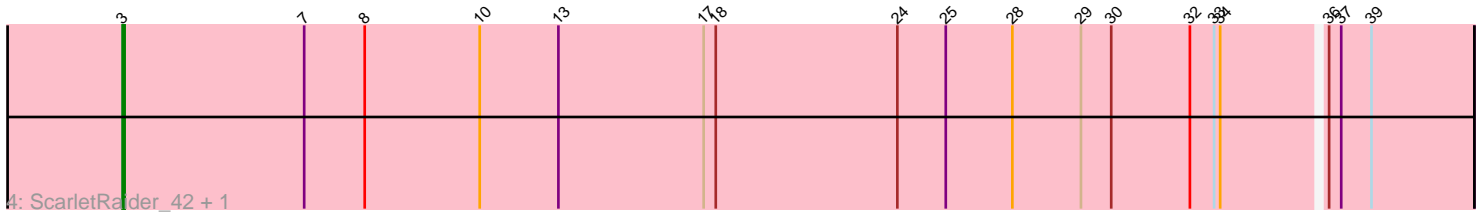
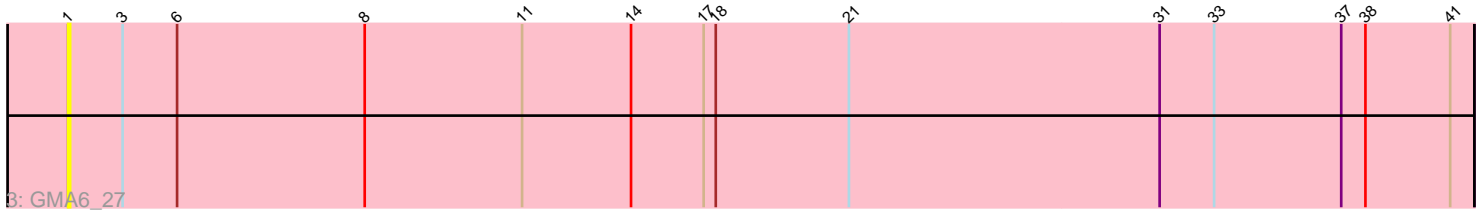
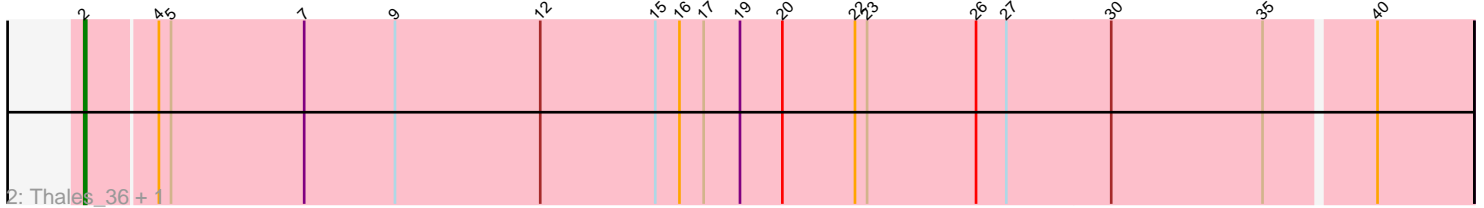
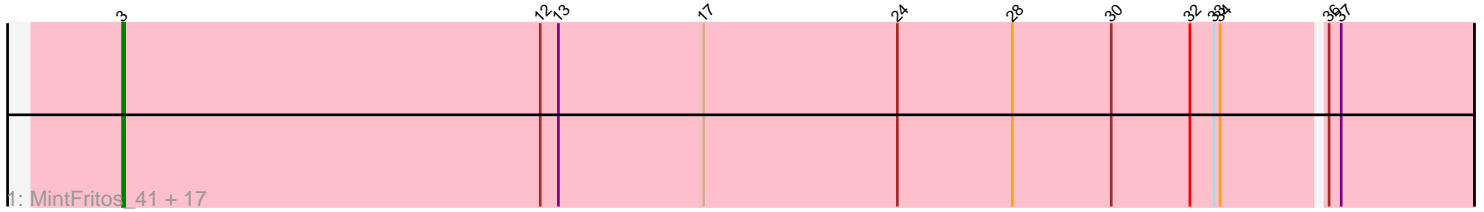


Pham 303614



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 303614 Report

This analysis was run 06/08/26 on database version 649.

Pham number 303614 has 26 members, 16 are drafts.

Phages represented in each track:

- Track 1 : MintFritos_41, Argena_41, Gray_43, Beted_43, Toneprano_41, Mikronejon_41, EmoNemo_41, Chidiebere_43, Schomber_42, Hanem_43, Twin_41, Pakusa_41, Farrylious_41, Lenoshki_43, Kabocha_44, Amoonguss_41, Oogie_43, Aloki_41
- Track 2 : Thales_36, DalanDe_37
- Track 3 : GMA6_27
- Track 4 : ScarletRaider_42, FlyingTortilla_42
- Track 5 : ChisanaKitsune_39
- Track 6 : UBSmoodge_44
- Track 7 : FruityLoops_41

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

The start number called the most often in the published annotations is 3, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aloki_41, Amoonguss_41, Argena_41, Beted_43, Chidiebere_43, ChisanaKitsune_39, EmoNemo_41, Farrylious_41, FlyingTortilla_42, FruityLoops_41, Gray_43, Hanem_43, Kabocha_44, Lenoshki_43, Mikronejon_41, MintFritos_41, Oogie_43, Pakusa_41, ScarletRaider_42, Schomber_42, Toneprano_41, Twin_41, UBSmoodge_44,

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

- GMA6_27,

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

- DalanDe_37, Thales_36,

Summary by start number:

Start 1:

- Found in 1 of 26 (3.8%) 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_27 (DQ),

Start 2:

- Found in 2 of 26 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DalanDe_37 (DQ), Thales_36 (DQ),

Start 3:

- Found in 24 of 26 (92.3%) of genes in pham
- Manual Annotations of this start: 9 of 10
- Called 95.8% of time when present
- Phage (with cluster) where this start called: Alok_i_41 (DQ), Amoonguss_41 (DQ), Argena_41 (DQ), Beted_43 (DQ), Chidiebere_43 (DQ), ChisanaKitsune_39 (DQ), EmoNemo_41 (DQ), Farrylious_41 (DQ), FlyingTortilla_42 (DQ), FruityLoops_41 (DQ), Gray_43 (DQ), Hanem_43 (DQ), Kabocha_44 (DQ), Lenoshki_43 (DQ), Mikronejon_41 (DQ), MintFritos_41 (DQ), Oogie_43 (DQ), Pakusa_41 (DQ), ScarletRaider_42 (DQ), Schomber_42 (DQ), Toneprano_41 (DQ), Twin_41 (DQ), UBSmoodge_44 (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 1 time for cluster DQ.
- Start number 3 was manually annotated 9 times for cluster DQ.

Gene Information:

Gene: Alok_i_41 Start: 30279, Stop: 30941, Start Num: 3

Candidate Starts for Alok_i_41:

(Start: 3 @30279 has 9 MA's), (12, 30486), (13, 30495), (17, 30567), (24, 30663), (28, 30720), (30, 30768), (32, 30807), (33, 30819), (34, 30822), (36, 30870), (37, 30876),

Gene: Amoonguss_41 Start: 30282, Stop: 30944, Start Num: 3

Candidate Starts for Amoonguss_41:

(Start: 3 @30282 has 9 MA's), (12, 30489), (13, 30498), (17, 30570), (24, 30666), (28, 30723), (30, 30771), (32, 30810), (33, 30822), (34, 30825), (36, 30873), (37, 30879),

Gene: Argena_41 Start: 30279, Stop: 30941, Start Num: 3

Candidate Starts for Argena_41:

(Start: 3 @30279 has 9 MA's), (12, 30486), (13, 30495), (17, 30567), (24, 30663), (28, 30720), (30, 30768), (32, 30807), (33, 30819), (34, 30822), (36, 30870), (37, 30876),

Gene: Beted_43 Start: 31959, Stop: 32621, Start Num: 3

Candidate Starts for Beted_43:

(Start: 3 @31959 has 9 MA's), (12, 32166), (13, 32175), (17, 32247), (24, 32343), (28, 32400), (30, 32448), (32, 32487), (33, 32499), (34, 32502), (36, 32550), (37, 32556),

Gene: Chidiebere_43 Start: 30279, Stop: 30941, Start Num: 3

Candidate Starts for Chidiebere_43:

(Start: 3 @30279 has 9 MA's), (12, 30486), (13, 30495), (17, 30567), (24, 30663), (28, 30720), (30, 30768), (32, 30807), (33, 30819), (34, 30822), (36, 30870), (37, 30876),

Gene: ChisanaKitsune_39 Start: 29070, Stop: 29732, Start Num: 3

Candidate Starts for ChisanaKitsune_39:

(Start: 3 @29070 has 9 MA's), (12, 29277), (13, 29286), (17, 29358), (24, 29454), (28, 29511), (30, 29559), (32, 29598), (33, 29610), (34, 29613), (37, 29667),

Gene: DalanDe_37 Start: 32951, Stop: 33628, Start Num: 2

Candidate Starts for DalanDe_37:

(Start: 2 @32951 has 1 MA's), (4, 32984), (5, 32990), (7, 33056), (9, 33101), (12, 33173), (15, 33230), (16, 33242), (17, 33254), (19, 33272), (20, 33293), (22, 33329), (23, 33335), (26, 33389), (27, 33404), (30, 33455), (35, 33530), (40, 33581),

Gene: EmoNemo_41 Start: 30279, Stop: 30941, Start Num: 3

Candidate Starts for EmoNemo_41:

(Start: 3 @30279 has 9 MA's), (12, 30486), (13, 30495), (17, 30567), (24, 30663), (28, 30720), (30, 30768), (32, 30807), (33, 30819), (34, 30822), (36, 30870), (37, 30876),

Gene: Farrylious_41 Start: 30055, Stop: 30717, Start Num: 3

Candidate Starts for Farrylious_41:

(Start: 3 @30055 has 9 MA's), (12, 30262), (13, 30271), (17, 30343), (24, 30439), (28, 30496), (30, 30544), (32, 30583), (33, 30595), (34, 30598), (36, 30646), (37, 30652),

Gene: FlyingTortilla_42 Start: 33144, Stop: 33806, Start Num: 3

Candidate Starts for FlyingTortilla_42:

(Start: 3 @33144 has 9 MA's), (7, 33234), (8, 33264), (10, 33321), (13, 33360), (17, 33432), (18, 33438), (24, 33528), (25, 33552), (28, 33585), (29, 33618), (30, 33633), (32, 33672), (33, 33684), (34, 33687), (36, 33735), (37, 33741), (39, 33756),

Gene: FruityLoops_41 Start: 33158, Stop: 33820, Start Num: 3

Candidate Starts for FruityLoops_41:

(Start: 3 @33158 has 9 MA's), (7, 33248), (10, 33335), (13, 33374), (17, 33446), (18, 33452), (24, 33542), (25, 33566), (28, 33599), (29, 33632), (30, 33647), (32, 33686), (33, 33698), (34, 33701), (36, 33749), (37, 33755), (39, 33770),

Gene: GMA6_27 Start: 20993, Stop: 21688, Start Num: 1

Candidate Starts for GMA6_27:

(1, 20993), (Start: 3 @21020 has 9 MA's), (6, 21047), (8, 21140), (11, 21218), (14, 21272), (17, 21308), (18, 21314), (21, 21380), (31, 21533), (33, 21560), (37, 21623), (38, 21635), (41, 21677),

Gene: Gray_43 Start: 30280, Stop: 30942, Start Num: 3

Candidate Starts for Gray_43:

(Start: 3 @30280 has 9 MA's), (12, 30487), (13, 30496), (17, 30568), (24, 30664), (28, 30721), (30, 30769), (32, 30808), (33, 30820), (34, 30823), (36, 30871), (37, 30877),

Gene: Hanem_43 Start: 30279, Stop: 30941, Start Num: 3

Candidate Starts for Hanem_43:

(Start: 3 @30279 has 9 MA's), (12, 30486), (13, 30495), (17, 30567), (24, 30663), (28, 30720), (30, 30768), (32, 30807), (33, 30819), (34, 30822), (36, 30870), (37, 30876),

Gene: Kabocha_44 Start: 31092, Stop: 31754, Start Num: 3

Candidate Starts for Kabocha_44:

(Start: 3 @31092 has 9 MA's), (12, 31299), (13, 31308), (17, 31380), (24, 31476), (28, 31533), (30, 31581), (32, 31620), (33, 31632), (34, 31635), (36, 31683), (37, 31689),

Gene: Lenoshki_43 Start: 31959, Stop: 32621, Start Num: 3

Candidate Starts for Lenoshki_43:

(Start: 3 @31959 has 9 MA's), (12, 32166), (13, 32175), (17, 32247), (24, 32343), (28, 32400), (30, 32448), (32, 32487), (33, 32499), (34, 32502), (36, 32550), (37, 32556),

Gene: Mikronejon_41 Start: 30279, Stop: 30941, Start Num: 3

Candidate Starts for Mikronejon_41:

(Start: 3 @30279 has 9 MA's), (12, 30486), (13, 30495), (17, 30567), (24, 30663), (28, 30720), (30, 30768), (32, 30807), (33, 30819), (34, 30822), (36, 30870), (37, 30876),

Gene: MintFritos_41 Start: 30280, Stop: 30942, Start Num: 3

Candidate Starts for MintFritos_41:

(Start: 3 @30280 has 9 MA's), (12, 30487), (13, 30496), (17, 30568), (24, 30664), (28, 30721), (30, 30769), (32, 30808), (33, 30820), (34, 30823), (36, 30871), (37, 30877),

Gene: Oogie_43 Start: 31985, Stop: 32647, Start Num: 3

Candidate Starts for Oogie_43:

(Start: 3 @31985 has 9 MA's), (12, 32192), (13, 32201), (17, 32273), (24, 32369), (28, 32426), (30, 32474), (32, 32513), (33, 32525), (34, 32528), (36, 32576), (37, 32582),

Gene: Pakusa_41 Start: 30021, Stop: 30683, Start Num: 3

Candidate Starts for Pakusa_41:

(Start: 3 @30021 has 9 MA's), (12, 30228), (13, 30237), (17, 30309), (24, 30405), (28, 30462), (30, 30510), (32, 30549), (33, 30561), (34, 30564), (36, 30612), (37, 30618),

Gene: ScarletRaider_42 Start: 33171, Stop: 33833, Start Num: 3

Candidate Starts for ScarletRaider_42:

(Start: 3 @33171 has 9 MA's), (7, 33261), (8, 33291), (10, 33348), (13, 33387), (17, 33459), (18, 33465), (24, 33555), (25, 33579), (28, 33612), (29, 33645), (30, 33660), (32, 33699), (33, 33711), (34, 33714), (36, 33762), (37, 33768), (39, 33783),

Gene: Schomber_42 Start: 30029, Stop: 30691, Start Num: 3

Candidate Starts for Schomber_42:

(Start: 3 @30029 has 9 MA's), (12, 30236), (13, 30245), (17, 30317), (24, 30413), (28, 30470), (30, 30518), (32, 30557), (33, 30569), (34, 30572), (36, 30620), (37, 30626),

Gene: Thales_36 Start: 31867, Stop: 32544, Start Num: 2

Candidate Starts for Thales_36:

(Start: 2 @31867 has 1 MA's), (4, 31900), (5, 31906), (7, 31972), (9, 32017), (12, 32089), (15, 32146), (16, 32158), (17, 32170), (19, 32188), (20, 32209), (22, 32245), (23, 32251), (26, 32305), (27, 32320), (30, 32371), (35, 32446), (40, 32497),

Gene: Toneprano_41 Start: 30279, Stop: 30941, Start Num: 3

Candidate Starts for Toneprano_41:

(Start: 3 @30279 has 9 MA's), (12, 30486), (13, 30495), (17, 30567), (24, 30663), (28, 30720), (30, 30768), (32, 30807), (33, 30819), (34, 30822), (36, 30870), (37, 30876),

Gene: Twin_41 Start: 30279, Stop: 30941, Start Num: 3

Candidate Starts for Twin_41:

(Start: 3 @30279 has 9 MA's), (12, 30486), (13, 30495), (17, 30567), (24, 30663), (28, 30720), (30, 30768), (32, 30807), (33, 30819), (34, 30822), (36, 30870), (37, 30876),

Gene: UBSmoodge_44 Start: 32905, Stop: 33567, Start Num: 3

Candidate Starts for UBSmoodge_44:

(Start: 3 @32905 has 9 MA's), (7, 32995), (10, 33082), (13, 33121), (17, 33193), (18, 33199), (24, 33289), (25, 33313), (28, 33346), (29, 33379), (30, 33394), (32, 33433), (33, 33445), (34, 33448), (36, 33496), (37, 33502), (39, 33517),