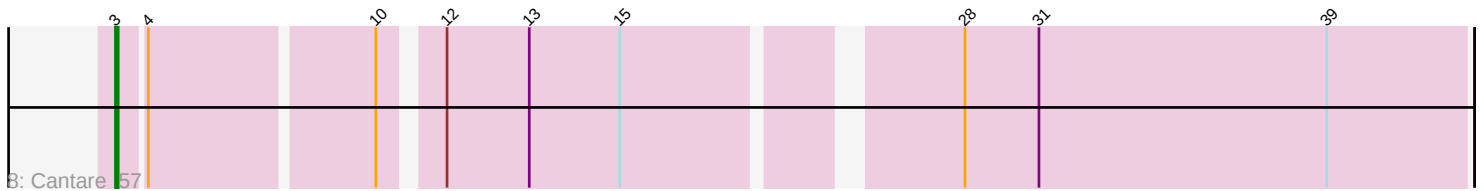
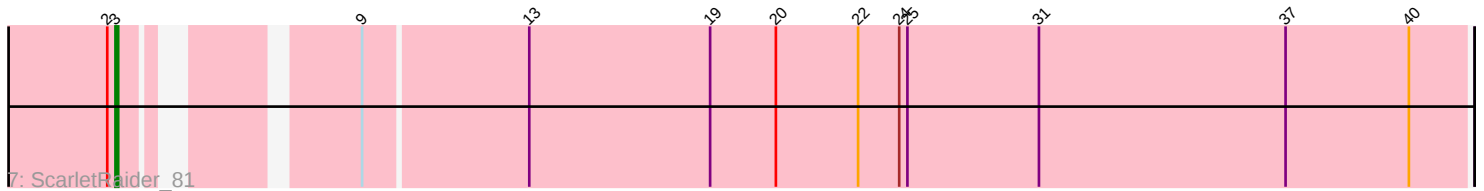
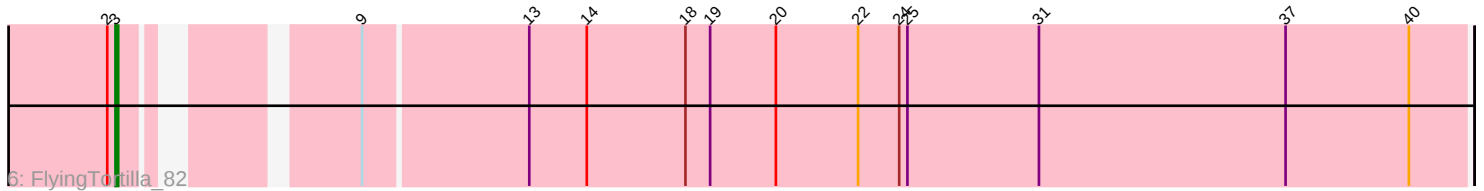
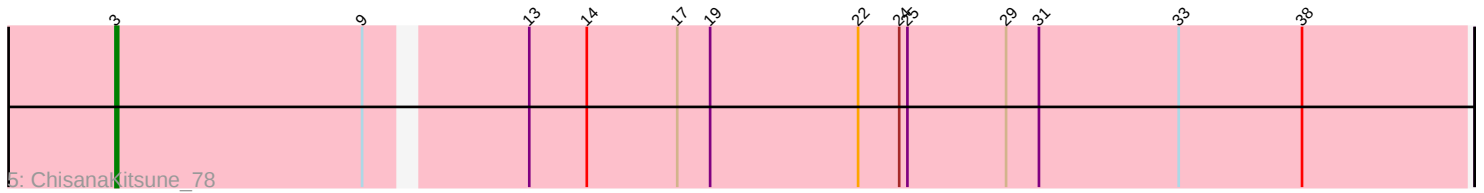
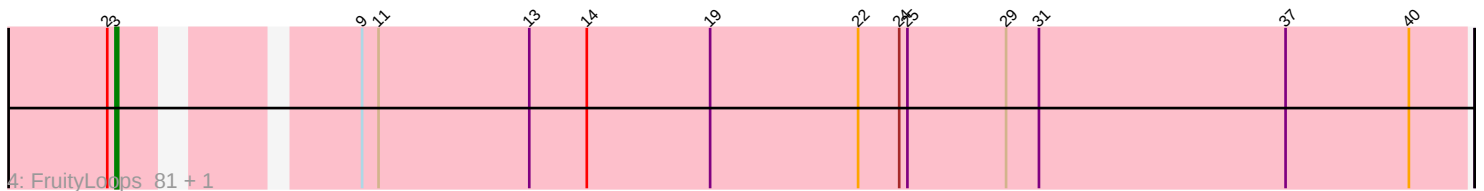
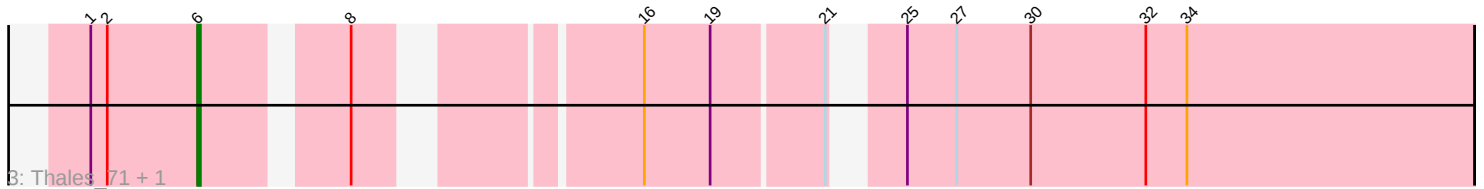
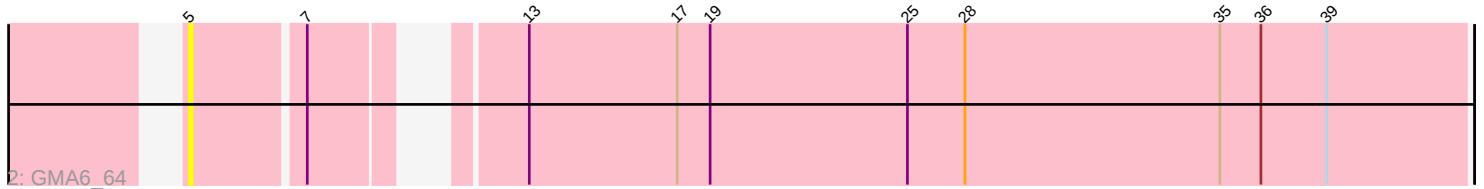
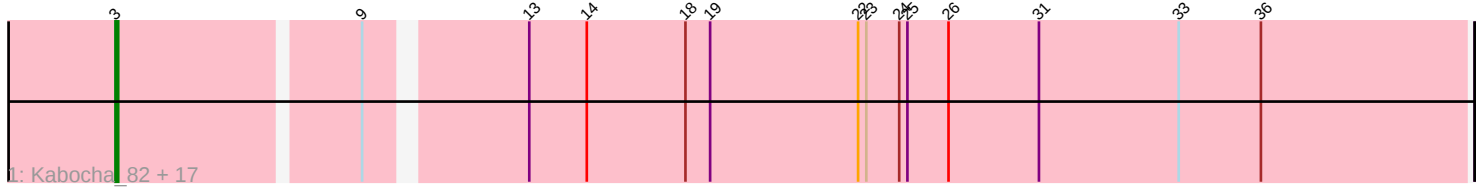


Pham 252577



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 252577 Report

This analysis was run 02/07/26 on database version 634.

Pham number 252577 has 27 members, 16 are drafts.

Phages represented in each track:

- Track 1 : Kabocha_82, MintFritos_77, Schomber_79, Oogie_80, Amoonguss_78, EmoNemo_76, Pakusa_77, Farrylious_78, Twin_76, Hanem_80, Lenoshki_81, Gray_81, Beted_81, Aloki_76, Chidiebere_81, Toneprano_78, Argena_78, Mikronejon_77
- Track 2 : GMA6_64
- Track 3 : Thales_71, DalanDe_73
- Track 4 : FruityLoops_81, UBSmoodge_84
- Track 5 : ChisanaKitsune_78
- Track 6 : FlyingTortilla_82
- Track 7 : ScarletRaider_81
- Track 8 : Cantare_57

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 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aloki_76, Amoonguss_78, Argena_78, Beted_81, Cantare_57, Chidiebere_81, ChisanaKitsune_78, EmoNemo_76, Farrylious_78, FlyingTortilla_82, FruityLoops_81, Gray_81, Hanem_80, Kabocha_82, Lenoshki_81, Mikronejon_77, MintFritos_77, Oogie_80, Pakusa_77, ScarletRaider_81, Schomber_79, Toneprano_78, Twin_76, UBSmoodge_84,

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

-

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

- DalanDe_73, GMA6_64, Thales_71,

Summary by start number:

Start 3:

- Found in 24 of 27 (88.9%) of genes in pham

- Manual Annotations of this start: 10 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alok_i_76 (DQ), Amoonguss_78 (DQ), Argena_78 (DQ), Beted_81 (DQ), Cantare_57 (singleton), Chidiebere_81 (DQ), ChisanaKitsune_78 (DQ), EmoNemo_76 (DQ), Farrylous_78 (DQ), FlyingTortilla_82 (DQ), FruityLoops_81 (DQ), Gray_81 (DQ), Hanem_80 (DQ), Kabocha_82 (DQ), Lenoshki_81 (DQ), Mikronejon_77 (DQ), MintFritos_77 (DQ), Oogie_80 (DQ), Pakusa_77 (DQ), ScarletRaider_81 (DQ), Schomber_79 (DQ), Toneprano_78 (DQ), Twin_76 (DQ), UBSmoodge_84 (DQ),

Start 5:

- Found in 1 of 27 (3.7%) 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_64 (DQ),

Start 6:

- Found in 2 of 27 (7.4%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DalanDe_73 (DQ), Thales_71 (DQ),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, DQ,

Info for manual annotations of cluster DQ:

- Start number 3 was manually annotated 9 times for cluster DQ.
- Start number 6 was manually annotated 1 time for cluster DQ.

Gene Information:

Gene: Alok_i_76 Start: 62948, Stop: 63424, Start Num: 3

Candidate Starts for Alok_i_76:

(Start: 3 @62948 has 10 MA's), (9, 63032), (13, 63083), (14, 63104), (18, 63140), (19, 63149), (22, 63203), (23, 63206), (24, 63218), (25, 63221), (26, 63236), (31, 63269), (33, 63320), (36, 63350),

Gene: Amoonguss_78 Start: 62903, Stop: 63379, Start Num: 3

Candidate Starts for Amoonguss_78:

(Start: 3 @62903 has 10 MA's), (9, 62987), (13, 63038), (14, 63059), (18, 63095), (19, 63104), (22, 63158), (23, 63161), (24, 63173), (25, 63176), (26, 63191), (31, 63224), (33, 63275), (36, 63305),

Gene: Argena_78 Start: 62915, Stop: 63391, Start Num: 3

Candidate Starts for Argena_78:

(Start: 3 @62915 has 10 MA's), (9, 62999), (13, 63050), (14, 63071), (18, 63107), (19, 63116), (22, 63170), (23, 63173), (24, 63185), (25, 63188), (26, 63203), (31, 63236), (33, 63287), (36, 63317),

Gene: Beted_81 Start: 65054, Stop: 65530, Start Num: 3

Candidate Starts for Beted_81:

(Start: 3 @65054 has 10 MA's), (9, 65138), (13, 65189), (14, 65210), (18, 65246), (19, 65255), (22, 65309), (23, 65312), (24, 65324), (25, 65327), (26, 65342), (31, 65375), (33, 65426), (36, 65456),

Gene: Cantare_57 Start: 50392, Stop: 50850, Start Num: 3

Candidate Starts for Cantare_57:

(Start: 3 @50392 has 10 MA's), (4, 50401), (10, 50479), (12, 50497), (13, 50527), (15, 50560), (28, 50668), (31, 50695), (39, 50800),

Gene: Chidiebere_81 Start: 63481, Stop: 63957, Start Num: 3

Candidate Starts for Chidiebere_81:

(Start: 3 @63481 has 10 MA's), (9, 63565), (13, 63616), (14, 63637), (18, 63673), (19, 63682), (22, 63736), (23, 63739), (24, 63751), (25, 63754), (26, 63769), (31, 63802), (33, 63853), (36, 63883),

Gene: ChisanaKitsune_78 Start: 62652, Stop: 63134, Start Num: 3

Candidate Starts for ChisanaKitsune_78:

(Start: 3 @62652 has 10 MA's), (9, 62742), (13, 62793), (14, 62814), (17, 62847), (19, 62859), (22, 62913), (24, 62928), (25, 62931), (29, 62967), (31, 62979), (33, 63030), (38, 63075),

Gene: DalanDe_73 Start: 64330, Stop: 64743, Start Num: 6

Candidate Starts for DalanDe_73:

(1, 64291), (2, 64297), (Start: 6 @64330 has 1 MA's), (8, 64375), (16, 64459), (19, 64483), (21, 64522), (25, 64537), (27, 64555), (30, 64582), (32, 64624), (34, 64639),

Gene: EmoNemo_76 Start: 62948, Stop: 63424, Start Num: 3

Candidate Starts for EmoNemo_76:

(Start: 3 @62948 has 10 MA's), (9, 63032), (13, 63083), (14, 63104), (18, 63140), (19, 63149), (22, 63203), (23, 63206), (24, 63218), (25, 63221), (26, 63236), (31, 63269), (33, 63320), (36, 63350),

Gene: Farrylious_78 Start: 62679, Stop: 63155, Start Num: 3

Candidate Starts for Farrylious_78:

(Start: 3 @62679 has 10 MA's), (9, 62763), (13, 62814), (14, 62835), (18, 62871), (19, 62880), (22, 62934), (23, 62937), (24, 62949), (25, 62952), (26, 62967), (31, 63000), (33, 63051), (36, 63081),

Gene: FlyingTortilla_82 Start: 67136, Stop: 67600, Start Num: 3

Candidate Starts for FlyingTortilla_82:

(2, 67133), (Start: 3 @67136 has 10 MA's), (9, 67202), (13, 67259), (14, 67280), (18, 67316), (19, 67325), (20, 67349), (22, 67379), (24, 67394), (25, 67397), (31, 67445), (37, 67535), (40, 67580),

Gene: FruityLoops_81 Start: 66431, Stop: 66901, Start Num: 3

Candidate Starts for FruityLoops_81:

(2, 66428), (Start: 3 @66431 has 10 MA's), (9, 66500), (11, 66506), (13, 66560), (14, 66581), (19, 66626), (22, 66680), (24, 66695), (25, 66698), (29, 66734), (31, 66746), (37, 66836), (40, 66881),

Gene: GMA6_64 Start: 53816, Stop: 54250, Start Num: 5

Candidate Starts for GMA6_64:

(5, 53816), (7, 53855), (13, 53909), (17, 53963), (19, 53975), (25, 54047), (28, 54068), (35, 54161), (36, 54176), (39, 54200),

Gene: Gray_81 Start: 63412, Stop: 63888, Start Num: 3

Candidate Starts for Gray_81:

(Start: 3 @63412 has 10 MA's), (9, 63496), (13, 63547), (14, 63568), (18, 63604), (19, 63613), (22, 63667), (23, 63670), (24, 63682), (25, 63685), (26, 63700), (31, 63733), (33, 63784), (36, 63814),

Gene: Hanem_80 Start: 62948, Stop: 63424, Start Num: 3

Candidate Starts for Hanem_80:

(Start: 3 @62948 has 10 MA's), (9, 63032), (13, 63083), (14, 63104), (18, 63140), (19, 63149), (22, 63203), (23, 63206), (24, 63218), (25, 63221), (26, 63236), (31, 63269), (33, 63320), (36, 63350),

Gene: Kabocha_82 Start: 64294, Stop: 64770, Start Num: 3

Candidate Starts for Kabocha_82:

(Start: 3 @64294 has 10 MA's), (9, 64378), (13, 64429), (14, 64450), (18, 64486), (19, 64495), (22, 64549), (23, 64552), (24, 64564), (25, 64567), (26, 64582), (31, 64615), (33, 64666), (36, 64696),

Gene: Lenoshki_81 Start: 65054, Stop: 65530, Start Num: 3

Candidate Starts for Lenoshki_81:

(Start: 3 @65054 has 10 MA's), (9, 65138), (13, 65189), (14, 65210), (18, 65246), (19, 65255), (22, 65309), (23, 65312), (24, 65324), (25, 65327), (26, 65342), (31, 65375), (33, 65426), (36, 65456),

Gene: Mikronejon_77 Start: 62948, Stop: 63424, Start Num: 3

Candidate Starts for Mikronejon_77:

(Start: 3 @62948 has 10 MA's), (9, 63032), (13, 63083), (14, 63104), (18, 63140), (19, 63149), (22, 63203), (23, 63206), (24, 63218), (25, 63221), (26, 63236), (31, 63269), (33, 63320), (36, 63350),

Gene: MintFritos_77 Start: 62919, Stop: 63395, Start Num: 3

Candidate Starts for MintFritos_77:

(Start: 3 @62919 has 10 MA's), (9, 63003), (13, 63054), (14, 63075), (18, 63111), (19, 63120), (22, 63174), (23, 63177), (24, 63189), (25, 63192), (26, 63207), (31, 63240), (33, 63291), (36, 63321),

Gene: Oogie_80 Start: 65107, Stop: 65583, Start Num: 3

Candidate Starts for Oogie_80:

(Start: 3 @65107 has 10 MA's), (9, 65191), (13, 65242), (14, 65263), (18, 65299), (19, 65308), (22, 65362), (23, 65365), (24, 65377), (25, 65380), (26, 65395), (31, 65428), (33, 65479), (36, 65509),

Gene: Pakusa_77 Start: 62674, Stop: 63150, Start Num: 3

Candidate Starts for Pakusa_77:

(Start: 3 @62674 has 10 MA's), (9, 62758), (13, 62809), (14, 62830), (18, 62866), (19, 62875), (22, 62929), (23, 62932), (24, 62944), (25, 62947), (26, 62962), (31, 62995), (33, 63046), (36, 63076),

Gene: ScarletRaider_81 Start: 66401, Stop: 66865, Start Num: 3

Candidate Starts for ScarletRaider_81:

(2, 66398), (Start: 3 @66401 has 10 MA's), (9, 66467), (13, 66524), (19, 66590), (20, 66614), (22, 66644), (24, 66659), (25, 66662), (31, 66710), (37, 66800), (40, 66845),

Gene: Schomber_79 Start: 62682, Stop: 63158, Start Num: 3

Candidate Starts for Schomber_79:

(Start: 3 @62682 has 10 MA's), (9, 62766), (13, 62817), (14, 62838), (18, 62874), (19, 62883), (22, 62937), (23, 62940), (24, 62952), (25, 62955), (26, 62970), (31, 63003), (33, 63054), (36, 63084),

Gene: Thales_71 Start: 62857, Stop: 63270, Start Num: 6

Candidate Starts for Thales_71:

(1, 62818), (2, 62824), (Start: 6 @62857 has 1 MA's), (8, 62902), (16, 62986), (19, 63010), (21, 63049), (25, 63064), (27, 63082), (30, 63109), (32, 63151), (34, 63166),

Gene: Toneprano_78 Start: 62917, Stop: 63393, Start Num: 3

Candidate Starts for Toneprano_78:

(Start: 3 @62917 has 10 MA's), (9, 63001), (13, 63052), (14, 63073), (18, 63109), (19, 63118), (22, 63172), (23, 63175), (24, 63187), (25, 63190), (26, 63205), (31, 63238), (33, 63289), (36, 63319),

Gene: Twin_76 Start: 62947, Stop: 63423, Start Num: 3

Candidate Starts for Twin_76:

(Start: 3 @62947 has 10 MA's), (9, 63031), (13, 63082), (14, 63103), (18, 63139), (19, 63148), (22, 63202), (23, 63205), (24, 63217), (25, 63220), (26, 63235), (31, 63268), (33, 63319), (36, 63349),

Gene: UBSmoodge_84 Start: 66838, Stop: 67305, Start Num: 3

Candidate Starts for UBSmoodge_84:

(2, 66835), (Start: 3 @66838 has 10 MA's), (9, 66904), (11, 66910), (13, 66964), (14, 66985), (19, 67030), (22, 67084), (24, 67099), (25, 67102), (29, 67138), (31, 67150), (37, 67240), (40, 67285),