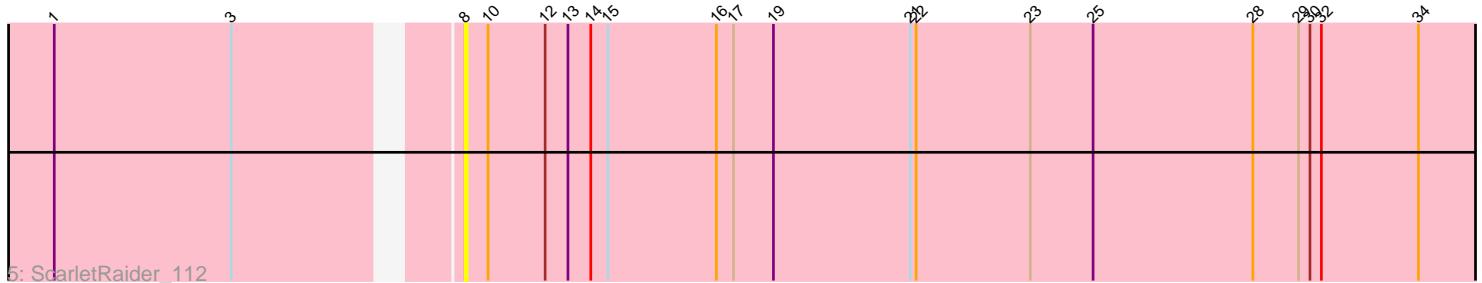
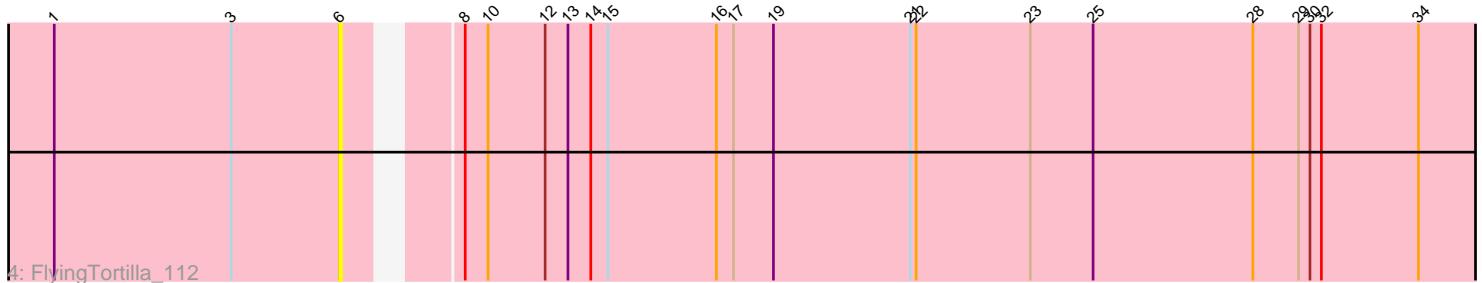
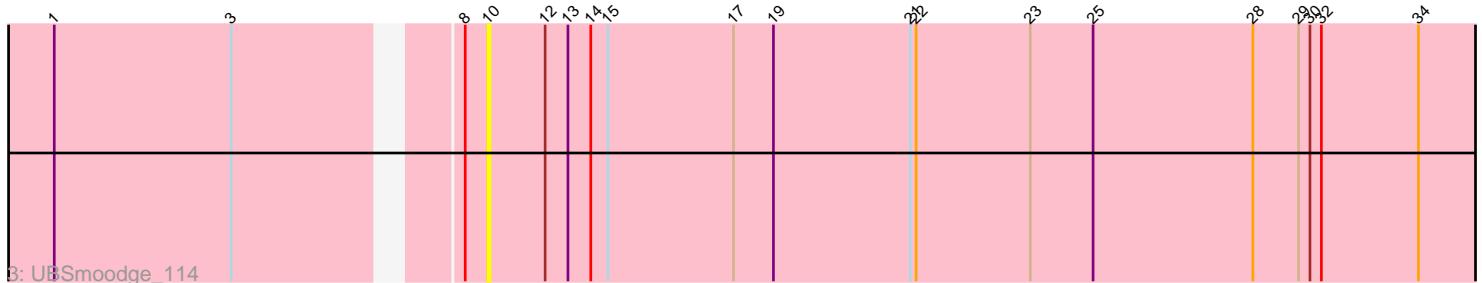
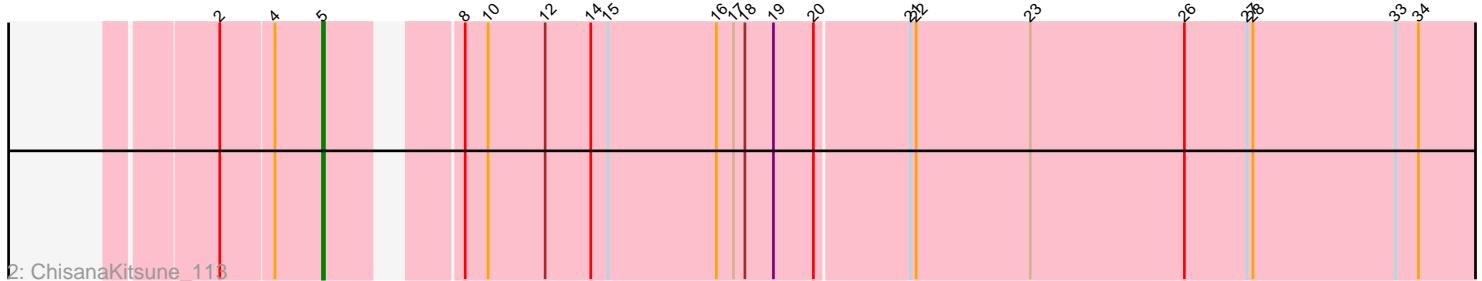
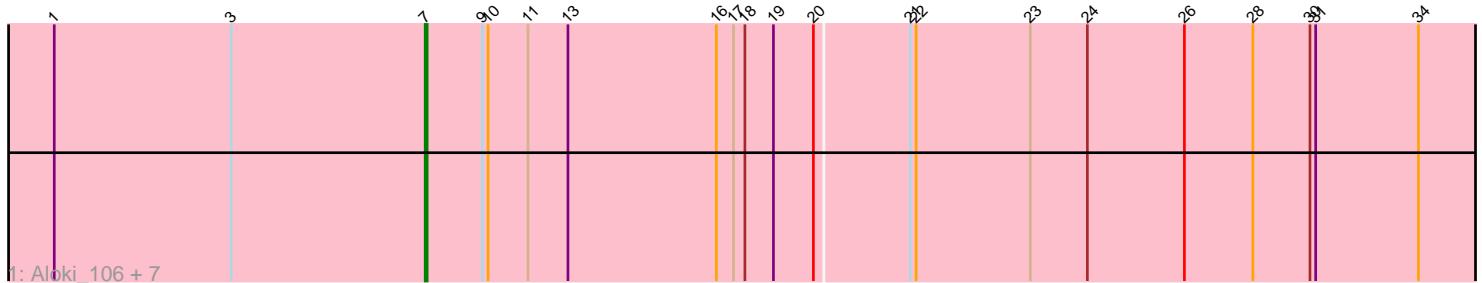


Pham 87627



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 87627 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87627 has 12 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Aloki_106, Pakusa_108, Gray_111, Chidiebere_114, Kabocha_115, Hanem_113, Oogie_109, Schomber_112
- Track 2 : ChisanaKitsune_113
- Track 3 : UBSmoodge_114
- Track 4 : FlyingTortilla_112
- Track 5 : ScarletRaider_112

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

The start number called the most often in the published annotations is 7, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aloki_106, Chidiebere_114, Gray_111, Hanem_113, Kabocha_115, Oogie_109, Pakusa_108, Schomber_112,

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

-

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

- ChisanaKitsune_113, FlyingTortilla_112, ScarletRaider_112, UBSmoodge_114,

Summary by start number:

Start 5:

- Found in 1 of 12 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ChisanaKitsune_113 (DQ),

Start 6:

- Found in 1 of 12 (8.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present

- Phage (with cluster) where this start called: FlyingTortilla_112 (DQ),

Start 7:

- Found in 8 of 12 (66.7%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aloki_106 (DQ), Chidiebere_114 (DQ), Gray_111 (DQ), Hanem_113 (DQ), Kabocha_115 (DQ), Oogie_109 (DQ), Pakusa_108 (DQ), Schomber_112 (DQ),

Start 8:

- Found in 4 of 12 (33.3%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: ScarletRaider_112 (DQ),

Start 10:

- Found in 12 of 12 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 8.3% of time when present
- Phage (with cluster) where this start called: UBSmoodge_114 (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 1 time for cluster DQ.
- Start number 7 was manually annotated 5 times for cluster DQ.

Gene Information:

Gene: Aloki_106 Start: 78149, Stop: 78721, Start Num: 7

Candidate Starts for Aloki_106:

(1, 77954), (3, 78047), (Start: 7 @78149 has 5 MA's), (9, 78179), (10, 78182), (11, 78203), (13, 78224), (16, 78302), (17, 78311), (18, 78317), (19, 78332), (20, 78353), (21, 78401), (22, 78404), (23, 78464), (24, 78494), (26, 78545), (28, 78581), (30, 78611), (31, 78614), (34, 78668),

Gene: Chidiebere_114 Start: 79279, Stop: 79851, Start Num: 7

Candidate Starts for Chidiebere_114:

(1, 79084), (3, 79177), (Start: 7 @79279 has 5 MA's), (9, 79309), (10, 79312), (11, 79333), (13, 79354), (16, 79432), (17, 79441), (18, 79447), (19, 79462), (20, 79483), (21, 79531), (22, 79534), (23, 79594), (24, 79624), (26, 79675), (28, 79711), (30, 79741), (31, 79744), (34, 79798),

Gene: ChisanaKitsune_113 Start: 78246, Stop: 78851, Start Num: 5

Candidate Starts for ChisanaKitsune_113:

(2, 78195), (4, 78222), (Start: 5 @78246 has 1 MA's), (8, 78300), (10, 78312), (12, 78342), (14, 78366), (15, 78375), (16, 78432), (17, 78441), (18, 78447), (19, 78462), (20, 78483), (21, 78531), (22, 78534), (23, 78594), (26, 78675), (27, 78708), (28, 78711), (33, 78786), (34, 78798),

Gene: FlyingTortilla_112 Start: 82104, Stop: 82703, Start Num: 6

Candidate Starts for FlyingTortilla_112:

(1, 81954), (3, 82047), (6, 82104), (8, 82149), (10, 82161), (12, 82191), (13, 82203), (14, 82215), (15, 82224), (16, 82281), (17, 82290), (19, 82311), (21, 82383), (22, 82386), (23, 82446), (25, 82479), (28, 82563), (29, 82587), (30, 82593), (32, 82599), (34, 82650),

Gene: Gray_111 Start: 78612, Stop: 79184, Start Num: 7

Candidate Starts for Gray_111:

(1, 78417), (3, 78510), (Start: 7 @78612 has 5 MA's), (9, 78642), (10, 78645), (11, 78666), (13, 78687), (16, 78765), (17, 78774), (18, 78780), (19, 78795), (20, 78816), (21, 78864), (22, 78867), (23, 78927), (24, 78957), (26, 79008), (28, 79044), (30, 79074), (31, 79077), (34, 79131),

Gene: Hanem_113 Start: 78149, Stop: 78721, Start Num: 7

Candidate Starts for Hanem_113:

(1, 77954), (3, 78047), (Start: 7 @78149 has 5 MA's), (9, 78179), (10, 78182), (11, 78203), (13, 78224), (16, 78302), (17, 78311), (18, 78317), (19, 78332), (20, 78353), (21, 78401), (22, 78404), (23, 78464), (24, 78494), (26, 78545), (28, 78581), (30, 78611), (31, 78614), (34, 78668),

Gene: Kabocha_115 Start: 80092, Stop: 80664, Start Num: 7

Candidate Starts for Kabocha_115:

(1, 79897), (3, 79990), (Start: 7 @80092 has 5 MA's), (9, 80122), (10, 80125), (11, 80146), (13, 80167), (16, 80245), (17, 80254), (18, 80260), (19, 80275), (20, 80296), (21, 80344), (22, 80347), (23, 80407), (24, 80437), (26, 80488), (28, 80524), (30, 80554), (31, 80557), (34, 80611),

Gene: Oogie_109 Start: 80112, Stop: 80684, Start Num: 7

Candidate Starts for Oogie_109:

(1, 79917), (3, 80010), (Start: 7 @80112 has 5 MA's), (9, 80142), (10, 80145), (11, 80166), (13, 80187), (16, 80265), (17, 80274), (18, 80280), (19, 80295), (20, 80316), (21, 80364), (22, 80367), (23, 80427), (24, 80457), (26, 80508), (28, 80544), (30, 80574), (31, 80577), (34, 80631),

Gene: Pakusa_108 Start: 78077, Stop: 78649, Start Num: 7

Candidate Starts for Pakusa_108:

(1, 77882), (3, 77975), (Start: 7 @78077 has 5 MA's), (9, 78107), (10, 78110), (11, 78131), (13, 78152), (16, 78230), (17, 78239), (18, 78245), (19, 78260), (20, 78281), (21, 78329), (22, 78332), (23, 78392), (24, 78422), (26, 78473), (28, 78509), (30, 78539), (31, 78542), (34, 78596),

Gene: ScarletRaider_112 Start: 81366, Stop: 81920, Start Num: 8

Candidate Starts for ScarletRaider_112:

(1, 81171), (3, 81264), (8, 81366), (10, 81378), (12, 81408), (13, 81420), (14, 81432), (15, 81441), (16, 81498), (17, 81507), (19, 81528), (21, 81600), (22, 81603), (23, 81663), (25, 81696), (28, 81780), (29, 81804), (30, 81810), (32, 81816), (34, 81867),

Gene: Schomber_112 Start: 78480, Stop: 79052, Start Num: 7

Candidate Starts for Schomber_112:

(1, 78285), (3, 78378), (Start: 7 @78480 has 5 MA's), (9, 78510), (10, 78513), (11, 78534), (13, 78555), (16, 78633), (17, 78642), (18, 78648), (19, 78663), (20, 78684), (21, 78732), (22, 78735), (23, 78795), (24, 78825), (26, 78876), (28, 78912), (30, 78942), (31, 78945), (34, 78999),

Gene: UBSmoodge_114 Start: 81948, Stop: 82490, Start Num: 10

Candidate Starts for UBSmoodge_114:

(1, 81741), (3, 81834), (8, 81936), (10, 81948), (12, 81978), (13, 81990), (14, 82002), (15, 82011), (17, 82077), (19, 82098), (21, 82170), (22, 82173), (23, 82233), (25, 82266), (28, 82350), (29, 82374), (30, 82380), (32, 82386), (34, 82437),