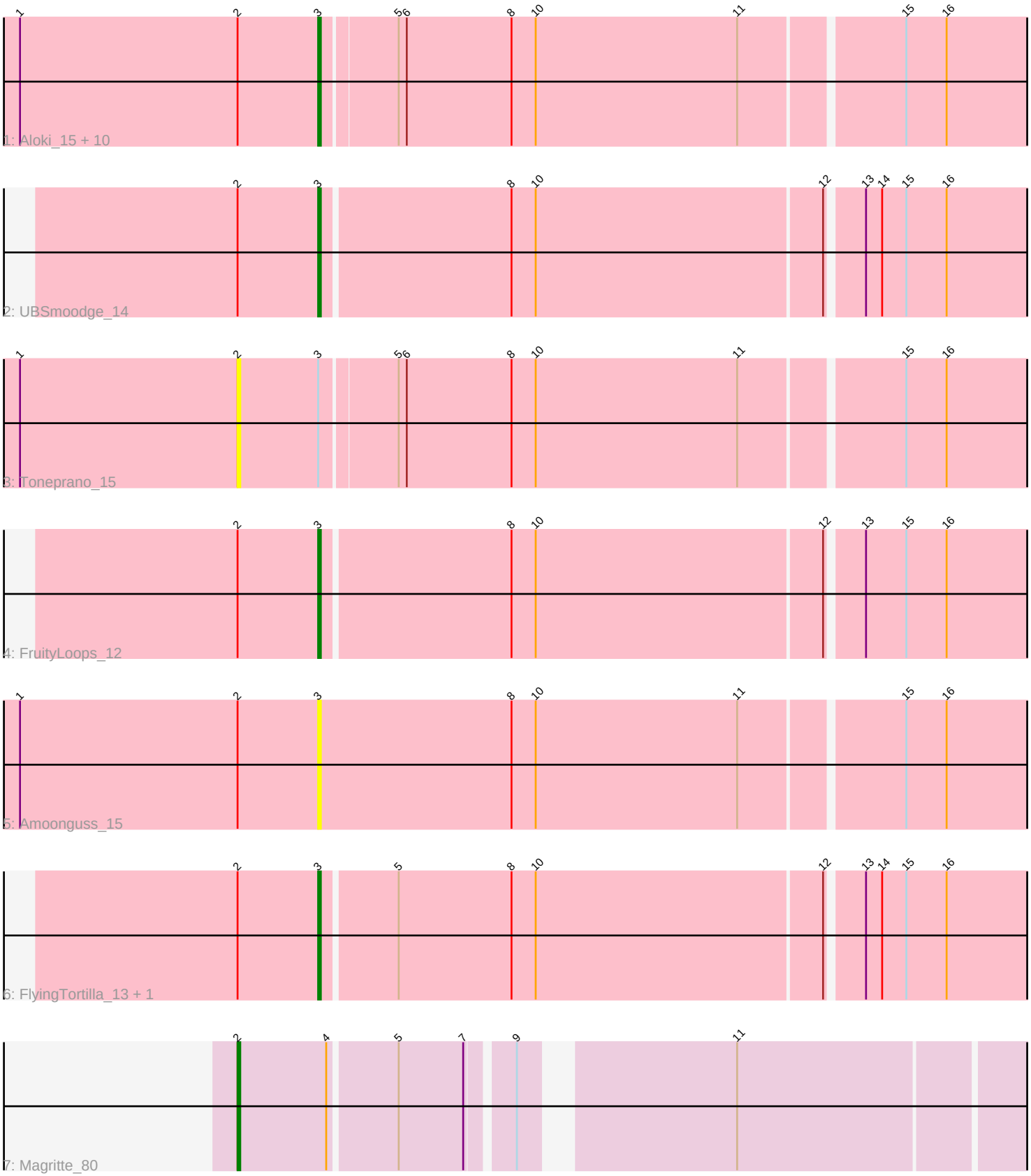
Pham 309386


1
2
3
5
6
8
10
11
15
16
1: Aloki_15 + 10
2
3
8
10
12
13
14
15
16
2: UBSmoodge_14
1
2
3
5
6
8
10
11
15
16
3: Toneprano_15
2
3
8
10
12
13
15
16
4: FruityLoops_12
1
2
3
8
10
11
15
16
5: Amoonguss_15
2
3
5
8
10
12
13
14
15
16
6: FlyingTortilla_13 + 1
2
4
5
7
9
11
7: Magritte_80

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 309386 Report

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

Pham number 309386 has 18 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Aloki_15, Argena_15, Gray_15, Pakusa_15, Hanem_15, Kabocha_15, Twin_15, MintFritos_15, Mikronejon_15, EmoNemo_15, Chidiebere_15
• Track 2 : UBSmoodge_14
• Track 3 : Toneprano_15
• Track 4 : FruityLoops_12
• Track 5 : Amoonguss_15
• Track 6 : FlyingTortilla_13, ScarletRaider_13
• Track 7 : Magritte_80

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_15, Amoonguss_15, Argena_15, Chidiebere_15, EmoNemo_15, FlyingTortilla_13, FruityLoops_12, Gray_15, Hanem_15, Kabocha_15, Mikronejon_15, MintFritos_15, Pakusa_15, ScarletRaider_13, Twin_15, UBSmoodge_14,

Genes that have the "Most Annotated" start but do not call it:
• Toneprano_15,

Genes that do not have the "Most Annotated" start:
• Magritte_80,

Summary by start number:

Start 2:
• Found in 18 of 18 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Magritte_80 (singleton), Toneprano_15 (DQ),

Start 3:
• Found in 17 of 18 (94.4%) of genes in pham
• Manual Annotations of this start: 10 of 11
• Called 94.1% of time when present
• Phage (with cluster) where this start called: Aloki_15 (DQ), Amoonguss_15 (DQ), Argena_15 (DQ), Chidiebere_15 (DQ), EmoNemo_15 (DQ), FlyingTortilla_13 (DQ), FruityLoops_12 (DQ), Gray_15 (DQ), Hanem_15 (DQ), Kabocha_15 (DQ), Mikronejon_15 (DQ), MintFritos_15 (DQ), Pakusa_15 (DQ), ScarletRaider_13 (DQ), Twin_15 (DQ), UBSmoodge_14 (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 10 times for cluster DQ.

Gene Information:

Gene: Aloki_15 Start: 5894, Stop: 6172, Start Num: 3
Candidate Starts for Aloki_15:
(1, 5783), (Start: 2 @5864 has 1 MA's), (Start: 3 @5894 has 10 MA's), (5, 5921), (6, 5924), (8, 5963), (10, 5972), (11, 6047), (15, 6104), (16, 6119),

Gene: Amoonguss_15 Start: 5894, Stop: 6175, Start Num: 3
Candidate Starts for Amoonguss_15:
(1, 5783), (Start: 2 @5864 has 1 MA's), (Start: 3 @5894 has 10 MA's), (8, 5966), (10, 5975), (11, 6050), (15, 6107), (16, 6122),

Gene: Argena_15 Start: 5894, Stop: 6172, Start Num: 3
Candidate Starts for Argena_15:
(1, 5783), (Start: 2 @5864 has 1 MA's), (Start: 3 @5894 has 10 MA's), (5, 5921), (6, 5924), (8, 5963), (10, 5972), (11, 6047), (15, 6104), (16, 6119),

Gene: Chidiebere_15 Start: 5894, Stop: 6172, Start Num: 3
Candidate Starts for Chidiebere_15:
(1, 5783), (Start: 2 @5864 has 1 MA's), (Start: 3 @5894 has 10 MA's), (5, 5921), (6, 5924), (8, 5963), (10, 5972), (11, 6047), (15, 6104), (16, 6119),

Gene: EmoNemo_15 Start: 5894, Stop: 6172, Start Num: 3
Candidate Starts for EmoNemo_15:
(1, 5783), (Start: 2 @5864 has 1 MA's), (Start: 3 @5894 has 10 MA's), (5, 5921), (6, 5924), (8, 5963), (10, 5972), (11, 6047), (15, 6104), (16, 6119),

Gene: FlyingTortilla_13 Start: 6674, Stop: 6952, Start Num: 3
Candidate Starts for FlyingTortilla_13:
(Start: 2 @6644 has 1 MA's), (Start: 3 @6674 has 10 MA's), (5, 6701), (8, 6743), (10, 6752), (12, 6857), (13, 6869), (14, 6875), (15, 6884), (16, 6899),

Gene: FruityLoops_12 Start: 6583, Stop: 6861, Start Num: 3

Candidate Starts for FruityLoops_12:
(Start: 2 @6553 has 1 MA's), (Start: 3 @6583 has 10 MA's), (8, 6652), (10, 6661), (12, 6766), (13, 6778), (15, 6793), (16, 6808),

Gene: Gray_15 Start: 5894, Stop: 6172, Start Num: 3
Candidate Starts for Gray_15:
(1, 5783), (Start: 2 @5864 has 1 MA's), (Start: 3 @5894 has 10 MA's), (5, 5921), (6, 5924), (8, 5963), (10, 5972), (11, 6047), (15, 6104), (16, 6119),

Gene: Hanem_15 Start: 5894, Stop: 6172, Start Num: 3
Candidate Starts for Hanem_15:
(1, 5783), (Start: 2 @5864 has 1 MA's), (Start: 3 @5894 has 10 MA's), (5, 5921), (6, 5924), (8, 5963), (10, 5972), (11, 6047), (15, 6104), (16, 6119),

Gene: Kabocha_15 Start: 5894, Stop: 6172, Start Num: 3
Candidate Starts for Kabocha_15:
(1, 5783), (Start: 2 @5864 has 1 MA's), (Start: 3 @5894 has 10 MA's), (5, 5921), (6, 5924), (8, 5963), (10, 5972), (11, 6047), (15, 6104), (16, 6119),

Gene: Magritte_80 Start: 66805, Stop: 67095, Start Num: 2
Candidate Starts for Magritte_80:
(Start: 2 @66805 has 1 MA's), (4, 66838), (5, 66862), (7, 66886), (9, 66901), (11, 66970),

Gene: Mikronejon_15 Start: 5894, Stop: 6172, Start Num: 3
Candidate Starts for Mikronejon_15:
(1, 5783), (Start: 2 @5864 has 1 MA's), (Start: 3 @5894 has 10 MA's), (5, 5921), (6, 5924), (8, 5963), (10, 5972), (11, 6047), (15, 6104), (16, 6119),

Gene: MintFritos_15 Start: 5894, Stop: 6172, Start Num: 3
Candidate Starts for MintFritos_15:
(1, 5783), (Start: 2 @5864 has 1 MA's), (Start: 3 @5894 has 10 MA's), (5, 5921), (6, 5924), (8, 5963), (10, 5972), (11, 6047), (15, 6104), (16, 6119),

Gene: Pakusa_15 Start: 5636, Stop: 5914, Start Num: 3
Candidate Starts for Pakusa_15:
(1, 5525), (Start: 2 @5606 has 1 MA's), (Start: 3 @5636 has 10 MA's), (5, 5663), (6, 5666), (8, 5705), (10, 5714), (11, 5789), (15, 5846), (16, 5861),

Gene: ScarletRaider_13 Start: 6701, Stop: 6979, Start Num: 3
Candidate Starts for ScarletRaider_13:
(Start: 2 @6671 has 1 MA's), (Start: 3 @6701 has 10 MA's), (5, 6728), (8, 6770), (10, 6779), (12, 6884), (13, 6896), (14, 6902), (15, 6911), (16, 6926),

Gene: Toneprano_15 Start: 5864, Stop: 6172, Start Num: 2
Candidate Starts for Toneprano_15:
(1, 5783), (Start: 2 @5864 has 1 MA's), (Start: 3 @5894 has 10 MA's), (5, 5921), (6, 5924), (8, 5963), (10, 5972), (11, 6047), (15, 6104), (16, 6119),

Gene: Twin_15 Start: 5894, Stop: 6172, Start Num: 3
Candidate Starts for Twin_15:
(1, 5783), (Start: 2 @5864 has 1 MA's), (Start: 3 @5894 has 10 MA's), (5, 5921), (6, 5924), (8, 5963), (10, 5972), (11, 6047), (15, 6104), (16, 6119),

Gene: UBSmoodge_14 Start: 7074, Stop: 7349, Start Num: 3
Candidate Starts for UBSmoodge_14:
(Start: 2 @7044 has 1 MA's), (Start: 3 @7074 has 10 MA's), (8, 7143), (10, 7152), (12, 7257), (13, 7269), (14, 7275), (15, 7284), (16, 7299),