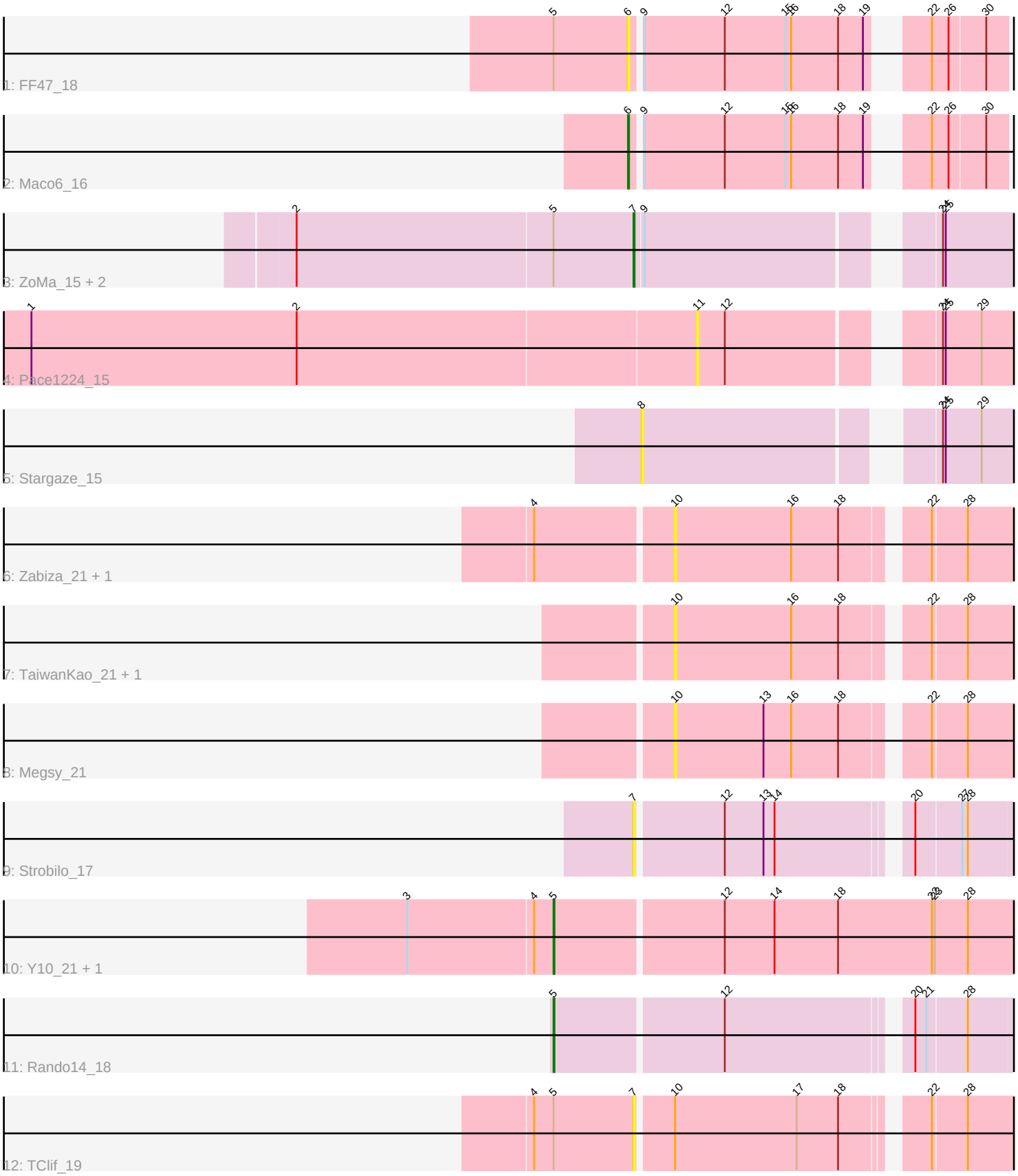
Pham 156734


1: FF47_18
2: Maco6_16
3: ZoMa_15 + 2
4: Pace1224_15
5: Stargaze_15
6: Zabiza_21 + 1
7: TaiwanKao_21 + 1
8: Megsy_21
9: Strobilo_17
10: Y10_21 + 1
11: Rando14_18
12: TClif_19

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 156734 Report

This analysis was run 04/12/24 on database version 558.

Pham number 156734 has 17 members, 12 are drafts.

Phages represented in each track:
• Track 1 : FF47_18
• Track 2 : Maco6_16
• Track 3 : ZoMa_15, DNAIII_0015, ECartman_15
• Track 4 : Pace1224_15
• Track 5 : Stargaze_15
• Track 6 : Zabiza_21, Jayhawk_21
• Track 7 : TaiwanKao_21, Llorens_20
• Track 8 : Megsy_21
• Track 9 : Strobilo_17
• Track 10 : Y10_21, Y2_21
• Track 11 : Rando14_18
• Track 12 : TClif_19

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

The start number called the most often in the published annotations is 5, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Rando14_18, Y10_21, Y2_21,

Genes that have the "Most Annotated" start but do not call it:
• DNAIII_0015, ECartman_15, FF47_18, TClif_19, ZoMa_15,

Genes that do not have the "Most Annotated" start:
• Jayhawk_21, Llorens_20, Maco6_16, Megsy_21, Pace1224_15, Stargaze_15, Strobilo_17, TaiwanKao_21, Zabiza_21,

Summary by start number:

Start 5:
• Found in 8 of 17 (47.1%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 37.5% of time when present

• Phage (with cluster) where this start called: Rando14_18 (K5), Y10_21 (K4), Y2_21 (K4),

Start 6:
• Found in 2 of 17 (11.8%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FF47_18 (AB), Maco6_16 (AB),

Start 7:
• Found in 5 of 17 (29.4%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DNAIII_0015 (G1), ECartman_15 (G1), Strobilo_17 (K2), TClif_19 (K6), ZoMa_15 (G1),

Start 8:
• Found in 1 of 17 (5.9%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stargaze_15 (G5),

Start 10:
• Found in 6 of 17 (35.3%) of genes in pham
• No Manual Annotations of this start.
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Jayhawk_21 (K1), Llorens_20 (K1), Megsy_21 (K1), TaiwanKao_21 (K1), Zabiza_21 (K1),

Start 11:
• Found in 1 of 17 (5.9%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pace1224_15 (G2),

Summary by clusters:

There are 9 clusters represented in this pham: G5, AB, G2, G1, K2, K1, K6, K5, K4,

Info for manual annotations of cluster AB:
•Start number 6 was manually annotated 1 time for cluster AB.

Info for manual annotations of cluster G1:
•Start number 7 was manually annotated 1 time for cluster G1.

Info for manual annotations of cluster K4:
•Start number 5 was manually annotated 2 times for cluster K4.

Info for manual annotations of cluster K5:

•Start number 5 was manually annotated 1 time for cluster K5.

Gene Information:

Gene: DNAIII_0015 Start: 11096, Stop: 11473, Start Num: 7
Candidate Starts for DNAIII_0015:
(2, 10733), (Start: 5 @11009 has 3 MA's), (Start: 7 @11096 has 1 MA's), (9, 11105), (24, 11384), (25, 11387),

Gene: ECartman_15 Start: 11087, Stop: 11464, Start Num: 7
Candidate Starts for ECartman_15:
(2, 10724), (Start: 5 @11000 has 3 MA's), (Start: 7 @11087 has 1 MA's), (9, 11096), (24, 11375), (25, 11378),

Gene: FF47_18 Start: 11043, Stop: 11405, Start Num: 6
Candidate Starts for FF47_18:
(Start: 5 @10962 has 3 MA's), (Start: 6 @11043 has 1 MA's), (9, 11052), (12, 11139), (15, 11205), (16, 11211), (18, 11262), (19, 11289), (22, 11328), (26, 11346), (30, 11382),

Gene: Jayhawk_21 Start: 11727, Stop: 12080, Start Num: 10
Candidate Starts for Jayhawk_21:
(4, 11583), (10, 11727), (16, 11853), (18, 11904), (22, 11982), (28, 12018),

Gene: Llorens_20 Start: 11763, Stop: 12116, Start Num: 10
Candidate Starts for Llorens_20:
(10, 11763), (16, 11889), (18, 11940), (22, 12018), (28, 12054),

Gene: Maco6_16 Start: 10335, Stop: 10697, Start Num: 6
Candidate Starts for Maco6_16:
(Start: 6 @10335 has 1 MA's), (9, 10344), (12, 10431), (15, 10497), (16, 10503), (18, 10554), (19, 10581), (22, 10620), (26, 10638), (30, 10674),

Gene: Megsy_21 Start: 11696, Stop: 12049, Start Num: 10
Candidate Starts for Megsy_21:
(10, 11696), (13, 11792), (16, 11822), (18, 11873), (22, 11951), (28, 11987),

Gene: Pace1224_15 Start: 11290, Stop: 11628, Start Num: 11
Candidate Starts for Pace1224_15:
(1, 10573), (2, 10861), (11, 11290), (12, 11320), (24, 11512), (25, 11515), (29, 11554),

Gene: Rando14_18 Start: 10595, Stop: 11053, Start Num: 5
Candidate Starts for Rando14_18:
(Start: 5 @10595 has 3 MA's), (12, 10772), (20, 10952), (21, 10964), (28, 11006),

Gene: Stargaze_15 Start: 11389, Stop: 11766, Start Num: 8
Candidate Starts for Stargaze_15:
(8, 11389), (24, 11668), (25, 11671), (29, 11710),

Gene: Strobilo_17 Start: 9732, Stop: 10115, Start Num: 7
Candidate Starts for Strobilo_17:

(Start: 7 @9732 has 1 MA's), (12, 9822), (13, 9864), (14, 9876), (20, 10002), (27, 10050), (28, 10056),

Gene: TClif_19 Start: 10668, Stop: 11063, Start Num: 7
Candidate Starts for TClif_19:
(4, 10560), (Start: 5 @10581 has 3 MA's), (Start: 7 @10668 has 1 MA's), (10, 10704), (17, 10836), (18, 10881), (22, 10956), (28, 10992),

Gene: TaiwanKao_21 Start: 11699, Stop: 12052, Start Num: 10
Candidate Starts for TaiwanKao_21:
(10, 11699), (16, 11825), (18, 11876), (22, 11954), (28, 11990),

Gene: Y10_21 Start: 12813, Stop: 13310, Start Num: 5
Candidate Starts for Y10_21:
(3, 12657), (4, 12792), (Start: 5 @12813 has 3 MA's), (12, 12990), (14, 13044), (18, 13113), (22, 13215), (23, 13218), (28, 13254),

Gene: Y2_21 Start: 12813, Stop: 13310, Start Num: 5
Candidate Starts for Y2_21:
(3, 12657), (4, 12792), (Start: 5 @12813 has 3 MA's), (12, 12990), (14, 13044), (18, 13113), (22, 13215), (23, 13218), (28, 13254),

Gene: Zabiza_21 Start: 11724, Stop: 12077, Start Num: 10
Candidate Starts for Zabiza_21:
(4, 11580), (10, 11724), (16, 11850), (18, 11901), (22, 11979), (28, 12015),

Gene: ZoMa_15 Start: 11087, Stop: 11464, Start Num: 7
Candidate Starts for ZoMa_15:
(2, 10724), (Start: 5 @11000 has 3 MA's), (Start: 7 @11087 has 1 MA's), (9, 11096), (24, 11375), (25, 11378),