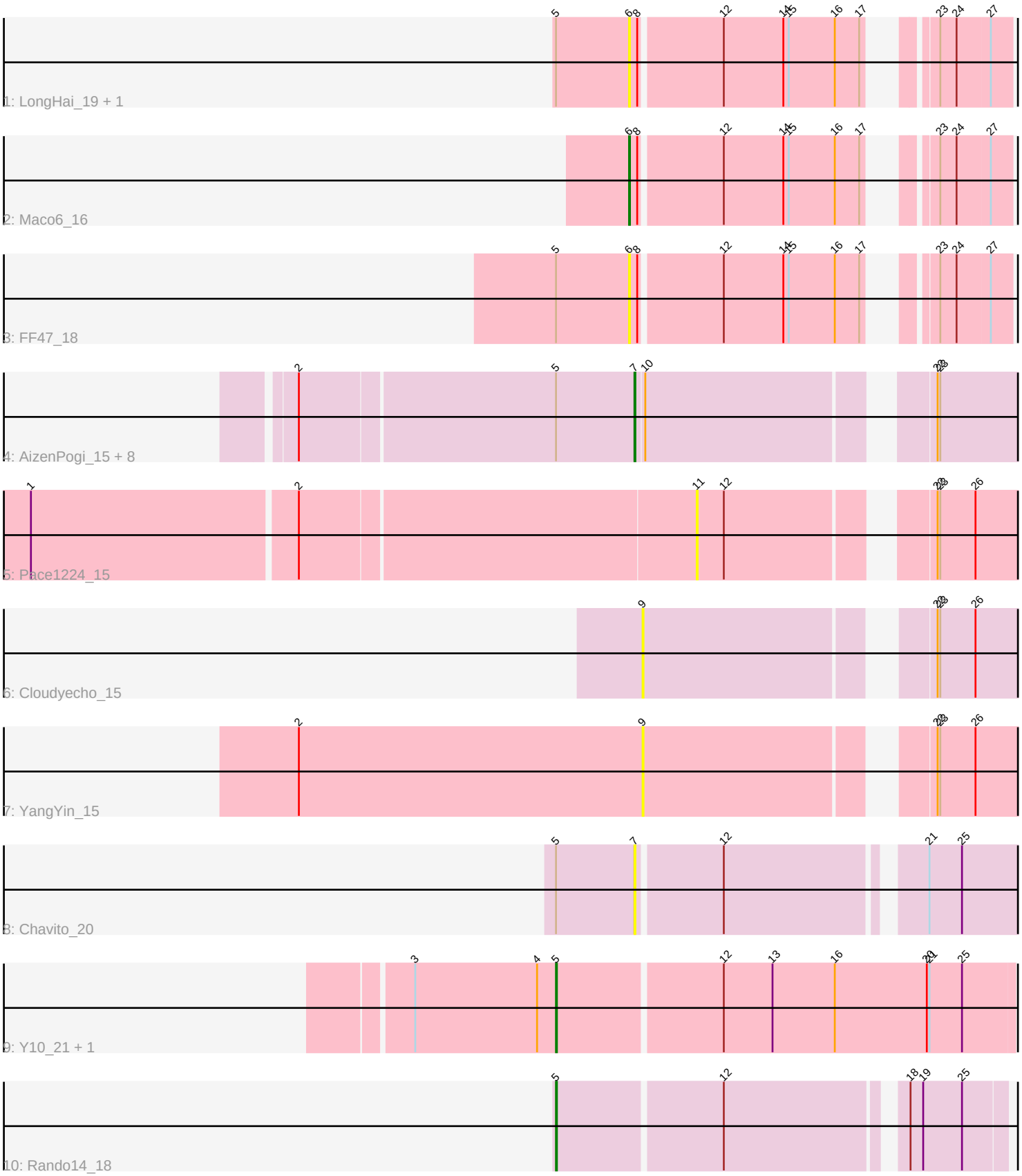
Pham 301779


1: LongHai_19 + 1
2: Maco6_16
3: FF47_18
4: AizenPogi_15 + 8
5: Pace1224_15
6: Cloudyecho_15
7: YangYin_15
8: Chavito_20
9: Y10_21 + 1
10: Rando14_18

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 301779 Report

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

Pham number 301779 has 20 members, 15 are drafts.

Phages represented in each track:
• Track 1 : LongHai_19, Salvus_19
• Track 2 : Maco6_16
• Track 3 : FF47_18
• Track 4 : AizenPogi_15, Rattrick_15, Jeilious_15, Neoh_15, DingDing_15, DNAIII_0015, MZKinsey_15, Phloodle_15, Richarlison_15
• Track 5 : Pace1224_15
• Track 6 : Cloudyecho_15
• Track 7 : YangYin_15
• Track 8 : Chavito_20
• Track 9 : Y10_21, Y2_21
• Track 10 : Rando14_18

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:
• AizenPogi_15, Chavito_20, DNAIII_0015, DingDing_15, FF47_18, Jeilious_15, LongHai_19, MZKinsey_15, Neoh_15, Phloodle_15, Rattrick_15, Richarlison_15, Salvus_19,

Genes that do not have the "Most Annotated" start:
• Cloudyecho_15, Maco6_16, Pace1224_15, YangYin_15,

Summary by start number:

Start 5:
• Found in 16 of 20 (80.0%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 18.8% of time when present

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

Start 6:
• Found in 4 of 20 (20.0%) 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), LongHai_19 (AB), Maco6_16 (AB), Salvus_19 (AB),

Start 7:
• Found in 10 of 20 (50.0%) 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: AizenPogi_15 (G1), Chavito_20 (K1), DNAIII_0015 (G1), DingDing_15 (G1), Jeilious_15 (G), MZKinsey_15 (G1), Neoh_15 (G), Phloodle_15 (G1), Rattrick_15 (G1), Richarlison_15 (G1),

Start 9:
• Found in 2 of 20 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cloudyecho_15 (G3), YangYin_15 (G5),

Start 11:
• Found in 1 of 20 (5.0%) 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, G3, G1, G, K1, K5, K4, G2,

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: AizenPogi_15 Start: 11087, Stop: 11464, Start Num: 7
Candidate Starts for AizenPogi_15:
(2, 10724), (Start: 5 @11000 has 3 MA's), (Start: 7 @11087 has 1 MA's), (10, 11096), (22, 11375), (23, 11378),

Gene: Chavito_20 Start: 10746, Stop: 11138, Start Num: 7
Candidate Starts for Chavito_20:
(Start: 5 @10659 has 3 MA's), (Start: 7 @10746 has 1 MA's), (12, 10836), (21, 11031), (25, 11067),

Gene: Cloudyecho_15 Start: 11347, Stop: 11718, Start Num: 9
Candidate Starts for Cloudyecho_15:
(9, 11347), (22, 11626), (23, 11629), (26, 11668),

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), (10, 11105), (22, 11384), (23, 11387),

Gene: DingDing_15 Start: 11087, Stop: 11464, Start Num: 7
Candidate Starts for DingDing_15:
(2, 10724), (Start: 5 @11000 has 3 MA's), (Start: 7 @11087 has 1 MA's), (10, 11096), (22, 11375), (23, 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), (8, 11052), (12, 11139), (14, 11205), (15, 11211), (16, 11262), (17, 11289), (23, 11328), (24, 11346), (27, 11382),

Gene: Jeilious_15 Start: 11086, Stop: 11463, Start Num: 7
Candidate Starts for Jeilious_15:
(2, 10723), (Start: 5 @10999 has 3 MA's), (Start: 7 @11086 has 1 MA's), (10, 11095), (22, 11374), (23, 11377),

Gene: LongHai_19 Start: 11378, Stop: 11740, Start Num: 6
Candidate Starts for LongHai_19:
(Start: 5 @11297 has 3 MA's), (Start: 6 @11378 has 1 MA's), (8, 11387), (12, 11474), (14, 11540), (15, 11546), (16, 11597), (17, 11624), (23, 11663), (24, 11681), (27, 11717),

Gene: MZKinsey_15 Start: 11087, Stop: 11464, Start Num: 7
Candidate Starts for MZKinsey_15:
(2, 10724), (Start: 5 @11000 has 3 MA's), (Start: 7 @11087 has 1 MA's), (10, 11096), (22, 11375), (23, 11378),

Gene: Maco6_16 Start: 10335, Stop: 10697, Start Num: 6
Candidate Starts for Maco6_16:
(Start: 6 @10335 has 1 MA's), (8, 10344), (12, 10431), (14, 10497), (15, 10503), (16, 10554), (17, 10581), (23, 10620), (24, 10638), (27, 10674),

Gene: Neoh_15 Start: 11079, Stop: 11456, Start Num: 7
Candidate Starts for Neoh_15:

(2, 10716), (Start: 5 @10992 has 3 MA's), (Start: 7 @11079 has 1 MA's), (10, 11088), (22, 11367), (23, 11370),

Gene: Pace1224_15 Start: 11290, Stop: 11628, Start Num: 11
Candidate Starts for Pace1224_15:
(1, 10573), (2, 10861), (11, 11290), (12, 11320), (22, 11512), (23, 11515), (26, 11554),

Gene: Phloodle_15 Start: 11087, Stop: 11464, Start Num: 7
Candidate Starts for Phloodle_15:
(2, 10724), (Start: 5 @11000 has 3 MA's), (Start: 7 @11087 has 1 MA's), (10, 11096), (22, 11375), (23, 11378),

Gene: Rando14_18 Start: 10595, Stop: 11053, Start Num: 5
Candidate Starts for Rando14_18:
(Start: 5 @10595 has 3 MA's), (12, 10772), (18, 10952), (19, 10964), (25, 11006),

Gene: Rattrick_15 Start: 11087, Stop: 11464, Start Num: 7
Candidate Starts for Rattrick_15:
(2, 10724), (Start: 5 @11000 has 3 MA's), (Start: 7 @11087 has 1 MA's), (10, 11096), (22, 11375), (23, 11378),

Gene: Richarlison_15 Start: 11087, Stop: 11464, Start Num: 7
Candidate Starts for Richarlison_15:
(2, 10724), (Start: 5 @11000 has 3 MA's), (Start: 7 @11087 has 1 MA's), (10, 11096), (22, 11375), (23, 11378),

Gene: Salvus_19 Start: 11378, Stop: 11740, Start Num: 6
Candidate Starts for Salvus_19:
(Start: 5 @11297 has 3 MA's), (Start: 6 @11378 has 1 MA's), (8, 11387), (12, 11474), (14, 11540), (15, 11546), (16, 11597), (17, 11624), (23, 11663), (24, 11681), (27, 11717),

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), (13, 13044), (16, 13113), (20, 13215), (21, 13218), (25, 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), (13, 13044), (16, 13113), (20, 13215), (21, 13218), (25, 13254),

Gene: YangYin_15 Start: 11410, Stop: 11787, Start Num: 9
Candidate Starts for YangYin_15:
(2, 11029), (9, 11410), (22, 11689), (23, 11692), (26, 11731),