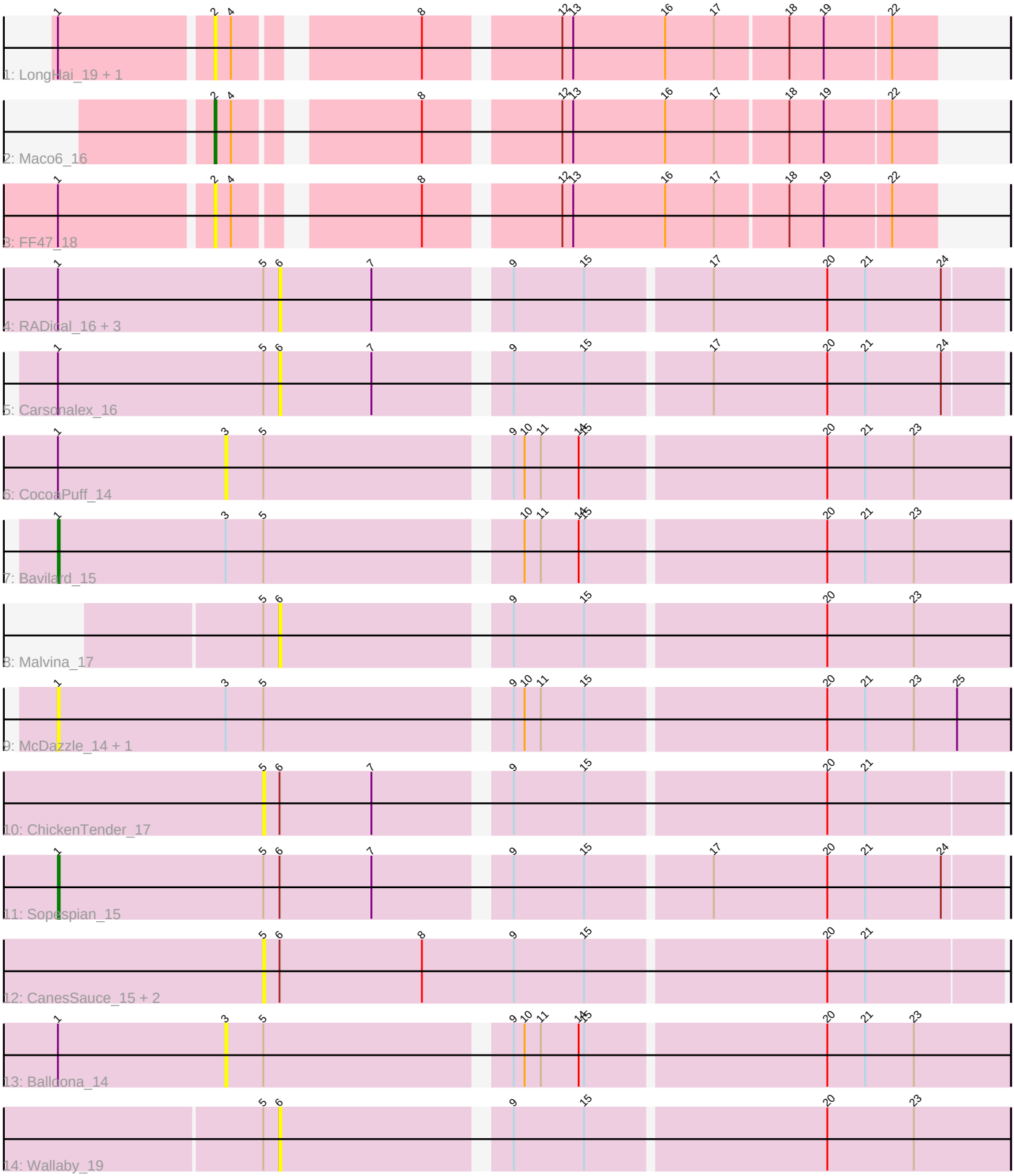
Pham 346172


1: LongHai_19 + 1
2: Maco6_16
3: FF47_18
4: RADical_16 + 3
5: Carsonalex_16
6: CocoaPuff_14
7: Bavilard_15
8: Malvina_17
9: McDazzle_14 + 1
10: ChickenTender_17
11: Sopespian_15
12: CanesSauce_15 + 2
13: Balldona_14
14: Wallaby_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 346172 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346172 has 21 members, 18 are drafts.

Phages represented in each track:
• Track 1 : LongHai_19, Salvus_19
• Track 2 : Maco6_16
• Track 3 : FF47_18
• Track 4 : RADical_16, Eliott_15, Starburst_16, PsychoKiller_15
• Track 5 : Carsonalex_16
• Track 6 : CocoaPuff_14
• Track 7 : Bavilard_15
• Track 8 : Malvina_17
• Track 9 : McDazzle_14, ElJefes_14
• Track 10 : ChickenTender_17
• Track 11 : Sopespian_15
• Track 12 : CanesSauce_15, CaramelLatte_15, ChocoMunchkin_15
• Track 13 : Balloona_14
• Track 14 : Wallaby_19

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

The start number called the most often in the published annotations is 1, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bavilard_15, ElJefes_14, McDazzle_14, Sopespian_15,

Genes that have the "Most Annotated" start but do not call it:
• Balloona_14, Carsonalex_16, CocoaPuff_14, Eliott_15, FF47_18, LongHai_19, PsychoKiller_15, RADical_16, Salvus_19, Starburst_16,

Genes that do not have the "Most Annotated" start:
• CanesSauce_15, CaramelLatte_15, ChickenTender_17, ChocoMunchkin_15, Maco6_16, Malvina_17, Wallaby_19,

Summary by start number:

Start 1:

• Found in 14 of 21 (66.7%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 28.6% of time when present
• Phage (with cluster) where this start called: Bavilard_15 (CT), ElJefes_14 (CT), McDazzle_14 (CT), Sopespian_15 (CT),

Start 2:
• Found in 4 of 21 (19.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• 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 3:
• Found in 5 of 21 (23.8%) of genes in pham
• No Manual Annotations of this start.
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Balloona_14 (CT), CocoaPuff_14 (CT),

Start 5:
• Found in 17 of 21 (81.0%) of genes in pham
• No Manual Annotations of this start.
• Called 23.5% of time when present
• Phage (with cluster) where this start called: CanesSauce_15 (CT), CaramelLatte_15 (CT), ChickenTender_17 (CT), ChocoMunchkin_15 (CT),

Start 6:
• Found in 12 of 21 (57.1%) of genes in pham
• No Manual Annotations of this start.
• Called 58.3% of time when present
• Phage (with cluster) where this start called: Carsonalex_16 (CT), Eliott_15 (CT), Malvina_17 (CT), PsychoKiller_15 (CT), RADical_16 (CT), Starburst_16 (CT), Wallaby_19 (CT),

Summary by clusters:

There are 2 clusters represented in this pham: AB, CT,

Info for manual annotations of cluster AB:
•Start number 2 was manually annotated 1 time for cluster AB.

Info for manual annotations of cluster CT:
•Start number 1 was manually annotated 2 times for cluster CT.

Gene Information:

Gene: Balloona_14 Start: 8969, Stop: 9385, Start Num: 3
Candidate Starts for Balloona_14:
(Start: 1 @8876 has 2 MA's), (3, 8969), (5, 8990), (9, 9116), (10, 9122), (11, 9131), (14, 9152), (15, 9155), (20, 9284), (21, 9305), (23, 9332),

Gene: Bavilard_15 Start: 9656, Stop: 10165, Start Num: 1
Candidate Starts for Bavilard_15:
(Start: 1 @9656 has 2 MA's), (3, 9749), (5, 9770), (10, 9902), (11, 9911), (14, 9932), (15, 9935), (20, 10064), (21, 10085), (23, 10112),

Gene: CanesSauce_15 Start: 9255, Stop: 9656, Start Num: 5
Candidate Starts for CanesSauce_15:
(5, 9255), (6, 9264), (8, 9342), (9, 9393), (15, 9432), (20, 9561), (21, 9582),

Gene: CaramelLatte_15 Start: 9255, Stop: 9656, Start Num: 5
Candidate Starts for CaramelLatte_15:
(5, 9255), (6, 9264), (8, 9342), (9, 9393), (15, 9432), (20, 9561), (21, 9582),

Gene: Carsonalex_16 Start: 9317, Stop: 9697, Start Num: 6
Candidate Starts for Carsonalex_16:
(Start: 1 @9194 has 2 MA's), (5, 9308), (6, 9317), (7, 9368), (9, 9434), (15, 9473), (17, 9539), (20, 9602), (21, 9623), (24, 9665),

Gene: ChickenTender_17 Start: 9300, Stop: 9689, Start Num: 5
Candidate Starts for ChickenTender_17:
(5, 9300), (6, 9309), (7, 9360), (9, 9426), (15, 9465), (20, 9594), (21, 9615),

Gene: ChocoMunchkin_15 Start: 9255, Stop: 9656, Start Num: 5
Candidate Starts for ChocoMunchkin_15:
(5, 9255), (6, 9264), (8, 9342), (9, 9393), (15, 9432), (20, 9561), (21, 9582),

Gene: CocoaPuff_14 Start: 8969, Stop: 9385, Start Num: 3
Candidate Starts for CocoaPuff_14:
(Start: 1 @8876 has 2 MA's), (3, 8969), (5, 8990), (9, 9116), (10, 9122), (11, 9131), (14, 9152), (15, 9155), (20, 9284), (21, 9305), (23, 9332),

Gene: ElJefes_14 Start: 9351, Stop: 9860, Start Num: 1
Candidate Starts for ElJefes_14:
(Start: 1 @9351 has 2 MA's), (3, 9444), (5, 9465), (9, 9591), (10, 9597), (11, 9606), (15, 9630), (20, 9759), (21, 9780), (23, 9807), (25, 9831),

Gene: Eliott_15 Start: 9259, Stop: 9639, Start Num: 6
Candidate Starts for Eliott_15:
(Start: 1 @9136 has 2 MA's), (5, 9250), (6, 9259), (7, 9310), (9, 9376), (15, 9415), (17, 9481), (20, 9544), (21, 9565), (24, 9607),

Gene: FF47_18 Start: 11043, Stop: 11405, Start Num: 2
Candidate Starts for FF47_18:
(Start: 1 @10962 has 2 MA's), (Start: 2 @11043 has 1 MA's), (4, 11052), (8, 11139), (12, 11205), (13, 11211), (16, 11262), (17, 11289), (18, 11328), (19, 11346), (22, 11382),

Gene: LongHai_19 Start: 11378, Stop: 11740, Start Num: 2
Candidate Starts for LongHai_19:
(Start: 1 @11297 has 2 MA's), (Start: 2 @11378 has 1 MA's), (4, 11387), (8, 11474), (12, 11540), (13, 11546), (16, 11597), (17, 11624), (18, 11663), (19, 11681), (22, 11717),

Gene: Maco6_16 Start: 10335, Stop: 10697, Start Num: 2
Candidate Starts for Maco6_16:

(Start: 2 @10335 has 1 MA's), (4, 10344), (8, 10431), (12, 10497), (13, 10503), (16, 10554), (17, 10581), (18, 10620), (19, 10638), (22, 10674),

Gene: Malvina_17 Start: 10140, Stop: 10526, Start Num: 6
Candidate Starts for Malvina_17:
(5, 10131), (6, 10140), (9, 10257), (15, 10296), (20, 10425), (23, 10473),

Gene: McDazzle_14 Start: 9345, Stop: 9854, Start Num: 1
Candidate Starts for McDazzle_14:
(Start: 1 @9345 has 2 MA's), (3, 9438), (5, 9459), (9, 9585), (10, 9591), (11, 9600), (15, 9624), (20, 9753), (21, 9774), (23, 9801), (25, 9825),

Gene: PsychoKiller_15 Start: 9259, Stop: 9639, Start Num: 6
Candidate Starts for PsychoKiller_15:
(Start: 1 @9136 has 2 MA's), (5, 9250), (6, 9259), (7, 9310), (9, 9376), (15, 9415), (17, 9481), (20, 9544), (21, 9565), (24, 9607),

Gene: RADical_16 Start: 9260, Stop: 9640, Start Num: 6
Candidate Starts for RADical_16:
(Start: 1 @9137 has 2 MA's), (5, 9251), (6, 9260), (7, 9311), (9, 9377), (15, 9416), (17, 9482), (20, 9545), (21, 9566), (24, 9608),

Gene: Salvus_19 Start: 11378, Stop: 11740, Start Num: 2
Candidate Starts for Salvus_19:
(Start: 1 @11297 has 2 MA's), (Start: 2 @11378 has 1 MA's), (4, 11387), (8, 11474), (12, 11540), (13, 11546), (16, 11597), (17, 11624), (18, 11663), (19, 11681), (22, 11717),

Gene: Sopespian_15 Start: 9137, Stop: 9640, Start Num: 1
Candidate Starts for Sopespian_15:
(Start: 1 @9137 has 2 MA's), (5, 9251), (6, 9260), (7, 9311), (9, 9377), (15, 9416), (17, 9482), (20, 9545), (21, 9566), (24, 9608),

Gene: Starburst_16 Start: 9259, Stop: 9639, Start Num: 6
Candidate Starts for Starburst_16:
(Start: 1 @9136 has 2 MA's), (5, 9250), (6, 9259), (7, 9310), (9, 9376), (15, 9415), (17, 9481), (20, 9544), (21, 9565), (24, 9607),

Gene: Wallaby_19 Start: 10242, Stop: 10628, Start Num: 6
Candidate Starts for Wallaby_19:
(5, 10233), (6, 10242), (9, 10359), (15, 10398), (20, 10527), (23, 10575),