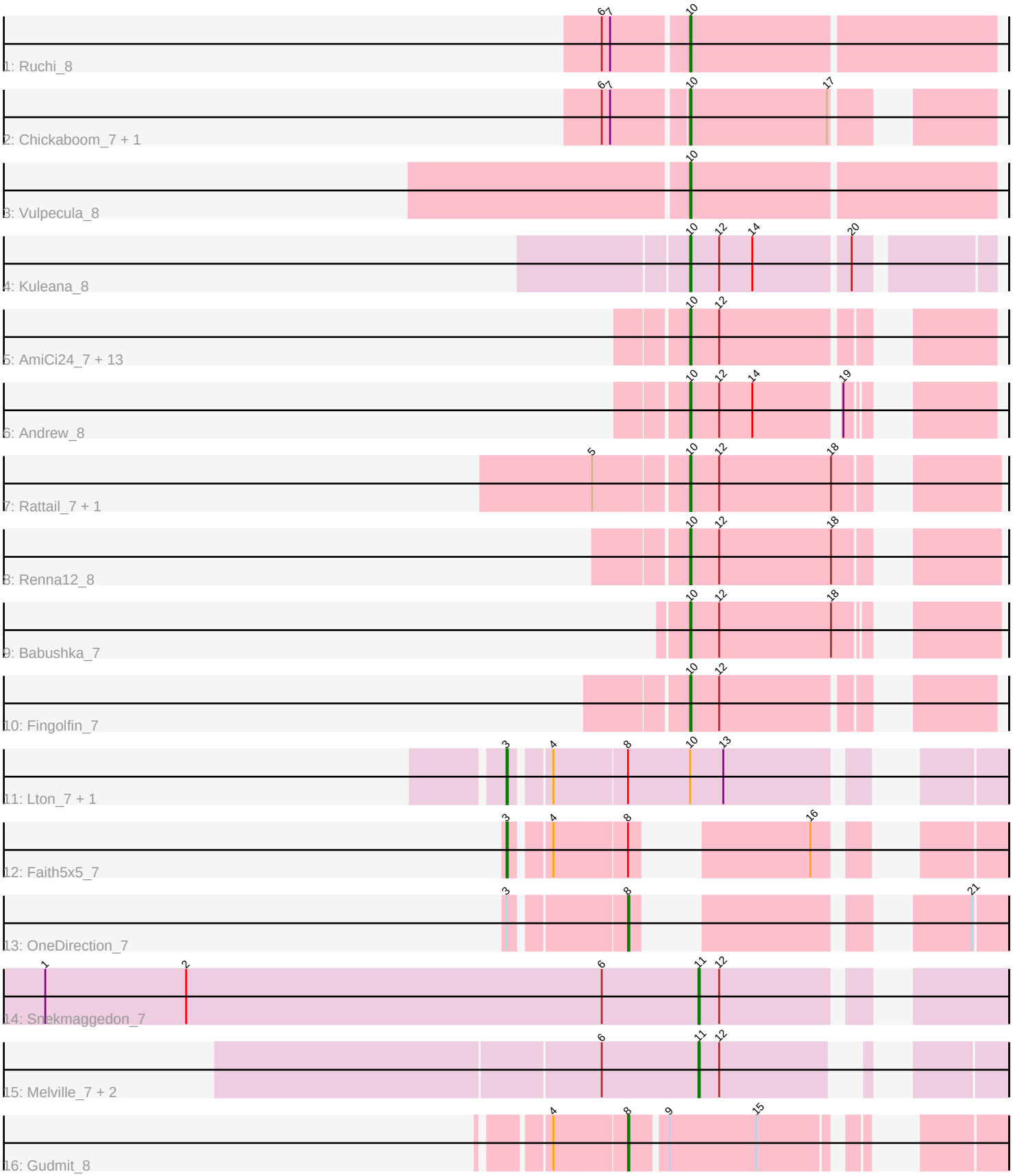
Pham 347859


1: Ruchi_8
2: Chickaboom_7 + 1
3: Vulpecula_8
4: Kuleana_8
5: AmiCi24_7 + 13
6: Andrew_8
7: Rattail_7 + 1
8: Renna12_8
9: Babushka_7
10: Fingolfin_7
11: Lton_7 + 1
12: Faith5x5_7
13: OneDirection_7
14: Snekmaggedon_7
15: Melville_7 + 2
16: Gudmit_8

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 347859 Report

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

Pham number 347859 has 34 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Ruchi_8
• Track 2 : Chickaboom_7, WileyE_7
• Track 3 : Vulpecula_8
• Track 4 : Kuleana_8
• Track 5 : AmiCi24_7, Oppalora_7, KHumphrey_7, Laphuphu24k_7, Amphitrite_7, PhluffyCoco_7, HamCheese_7, AdoptaAdorbs_7, RedFox_7, DanHam62_7, Atlantica_7, Glotell_7, Camara_7, Juno112_7
• Track 6 : Andrew_8
• Track 7 : Rattail_7, Azaz_7
• Track 8 : Renna12_8
• Track 9 : Babushka_7
• Track 10 : Fingolfin_7
• Track 11 : Lton_7, Pepperoni_7
• Track 12 : Faith5x5_7
• Track 13 : OneDirection_7
• Track 14 : Snekmaggedon_7
• Track 15 : Melville_7, Scitech_7, Tessdabest_6
• Track 16 : Gudmit_8

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

The start number called the most often in the published annotations is 10, it was called in 21 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AdoptaAdorbs_7, AmiCi24_7, Amphitrite_7, Andrew_8, Atlantica_7, Azaz_7, Babushka_7, Camara_7, Chickaboom_7, DanHam62_7, Fingolfin_7, Glotell_7, HamCheese_7, Juno112_7, KHumphrey_7, Kuleana_8, Laphuphu24k_7, Oppalora_7, PhluffyCoco_7, Rattail_7, RedFox_7, Renna12_8, Ruchi_8, Vulpecula_8, WileyE_7,

Genes that have the "Most Annotated" start but do not call it:
• Lton_7, Pepperoni_7,

Genes that do not have the "Most Annotated" start:
• Faith5x5_7, Gudmit_8, Melville_7, OneDirection_7, Scitech_7, Snekmaggedon_7, Tessdabest_6,

Summary by start number:

Start 3:
• Found in 4 of 34 (11.8%) of genes in pham
• Manual Annotations of this start: 3 of 28
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Faith5x5_7 (CZ6), Lton_7 (CZ), Pepperoni_7 (CZ),

Start 8:
• Found in 5 of 34 (14.7%) of genes in pham
• Manual Annotations of this start: 2 of 28
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Gudmit_8 (singleton), OneDirection_7 (CZ6),

Start 10:
• Found in 27 of 34 (79.4%) of genes in pham
• Manual Annotations of this start: 21 of 28
• Called 92.6% of time when present
• Phage (with cluster) where this start called: AdoptaAdorbs_7 (AS3), AmiCi24_7 (AS3), Amphitrite_7 (AS3), Andrew_8 (AS3), Atlantica_7 (AS3), Azaz_7 (AS3), Babushka_7 (AS3), Camara_7 (AS3), Chickaboom_7 (AS1), DanHam62_7 (AS3), Fingolfin_7 (AS3), Glotell_7 (AS3), HamCheese_7 (AS3), Juno112_7 (AS3), KHumphrey_7 (AS3), Kuleana_8 (AS2), Laphuphu24k_7 (AS3), Oppalora_7 (AS3), PhluffyCoco_7 (AS3), Rattail_7 (AS3), RedFox_7 (AS3), Renna12_8 (AS3), Ruchi_8 (AS1), Vulpecula_8 (AS1), WileyE_7 (AS1),

Start 11:
• Found in 4 of 34 (11.8%) of genes in pham
• Manual Annotations of this start: 2 of 28
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Melville_7 (N), Scitech_7 (N), Snekmaggedon_7 (N), Tessdabest_6 (N),

Summary by clusters:

There are 7 clusters represented in this pham: AS3, AS2, singleton, CZ6, AS1, N, CZ,

Info for manual annotations of cluster AS1:
•Start number 10 was manually annotated 4 times for cluster AS1.

Info for manual annotations of cluster AS2:
•Start number 10 was manually annotated 1 time for cluster AS2.

Info for manual annotations of cluster AS3:
•Start number 10 was manually annotated 16 times for cluster AS3.

Info for manual annotations of cluster CZ:

•Start number 3 was manually annotated 2 times for cluster CZ.

Info for manual annotations of cluster CZ6:
•Start number 3 was manually annotated 1 time for cluster CZ6.
•Start number 8 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster N:
•Start number 11 was manually annotated 2 times for cluster N.

Gene Information:

Gene: AdoptaAdorbs_7 Start: 6510, Stop: 6692, Start Num: 10
Candidate Starts for AdoptaAdorbs_7:
(Start: 10 @6510 has 21 MA's), (12, 6531),

Gene: AmiCi24_7 Start: 6510, Stop: 6692, Start Num: 10
Candidate Starts for AmiCi24_7:
(Start: 10 @6510 has 21 MA's), (12, 6531),

Gene: Amphitrite_7 Start: 6508, Stop: 6690, Start Num: 10
Candidate Starts for Amphitrite_7:
(Start: 10 @6508 has 21 MA's), (12, 6529),

Gene: Andrew_8 Start: 6895, Stop: 7071, Start Num: 10
Candidate Starts for Andrew_8:
(Start: 10 @6895 has 21 MA's), (12, 6916), (14, 6940), (19, 6997),

Gene: Atlantica_7 Start: 6510, Stop: 6692, Start Num: 10
Candidate Starts for Atlantica_7:
(Start: 10 @6510 has 21 MA's), (12, 6531),

Gene: Azaz_7 Start: 6552, Stop: 6743, Start Num: 10
Candidate Starts for Azaz_7:
(5, 6489), (Start: 10 @6552 has 21 MA's), (12, 6573), (18, 6654),

Gene: Babushka_7 Start: 6552, Stop: 6740, Start Num: 10
Candidate Starts for Babushka_7:
(Start: 10 @6552 has 21 MA's), (12, 6573), (18, 6654),

Gene: Camara_7 Start: 6511, Stop: 6693, Start Num: 10
Candidate Starts for Camara_7:
(Start: 10 @6511 has 21 MA's), (12, 6532),

Gene: Chickaboom_7 Start: 6580, Stop: 6765, Start Num: 10
Candidate Starts for Chickaboom_7:
(6, 6526), (7, 6532), (Start: 10 @6580 has 21 MA's), (17, 6679),

Gene: DanHam62_7 Start: 6510, Stop: 6692, Start Num: 10
Candidate Starts for DanHam62_7:
(Start: 10 @6510 has 21 MA's), (12, 6531),

Gene: Faith5x5_7 Start: 5658, Stop: 5912, Start Num: 3
Candidate Starts for Faith5x5_7:
(Start: 3 @5658 has 3 MA's), (4, 5682), (Start: 8 @5733 has 2 MA's), (16, 5820),

Gene: Fingolfin_7 Start: 6511, Stop: 6693, Start Num: 10
Candidate Starts for Fingolfin_7:
(Start: 10 @6511 has 21 MA's), (12, 6532),

Gene: Glotell_7 Start: 6510, Stop: 6692, Start Num: 10
Candidate Starts for Glotell_7:
(Start: 10 @6510 has 21 MA's), (12, 6531),

Gene: Gudmit_8 Start: 6514, Stop: 6726, Start Num: 8
Candidate Starts for Gudmit_8:
(4, 6463), (Start: 8 @6514 has 2 MA's), (9, 6538), (15, 6601),

Gene: HamCheese_7 Start: 6510, Stop: 6692, Start Num: 10
Candidate Starts for HamCheese_7:
(Start: 10 @6510 has 21 MA's), (12, 6531),

Gene: Juno112_7 Start: 6511, Stop: 6693, Start Num: 10
Candidate Starts for Juno112_7:
(Start: 10 @6511 has 21 MA's), (12, 6532),

Gene: KHumphrey_7 Start: 6510, Stop: 6692, Start Num: 10
Candidate Starts for KHumphrey_7:
(Start: 10 @6510 has 21 MA's), (12, 6531),

Gene: Kuleana_8 Start: 6883, Stop: 7083, Start Num: 10
Candidate Starts for Kuleana_8:
(Start: 10 @6883 has 21 MA's), (12, 6904), (14, 6928), (20, 6994),

Gene: Laphuphu24k_7 Start: 6510, Stop: 6692, Start Num: 10
Candidate Starts for Laphuphu24k_7:
(Start: 10 @6510 has 21 MA's), (12, 6531),

Gene: Lton_7 Start: 5667, Stop: 5966, Start Num: 3
Candidate Starts for Lton_7:
(Start: 3 @5667 has 3 MA's), (4, 5691), (Start: 8 @5742 has 2 MA's), (Start: 10 @5787 has 21 MA's), (13, 5811),

Gene: Melville_7 Start: 5799, Stop: 5963, Start Num: 11
Candidate Starts for Melville_7:
(6, 5730), (Start: 11 @5799 has 2 MA's), (12, 5814),

Gene: OneDirection_7 Start: 5719, Stop: 5904, Start Num: 8
Candidate Starts for OneDirection_7:
(Start: 3 @5644 has 3 MA's), (Start: 8 @5719 has 2 MA's), (21, 5881),

Gene: Oppalora_7 Start: 6510, Stop: 6692, Start Num: 10
Candidate Starts for Oppalora_7:
(Start: 10 @6510 has 21 MA's), (12, 6531),

Gene: Pepperoni_7 Start: 5961, Stop: 6260, Start Num: 3
Candidate Starts for Pepperoni_7:
(Start: 3 @5961 has 3 MA's), (4, 5985), (Start: 8 @6036 has 2 MA's), (Start: 10 @6081 has 21 MA's), (13, 6105),

Gene: PhluffyCoco_7 Start: 6510, Stop: 6692, Start Num: 10
Candidate Starts for PhluffyCoco_7:
(Start: 10 @6510 has 21 MA's), (12, 6531),

Gene: Rattail_7 Start: 6552, Stop: 6743, Start Num: 10
Candidate Starts for Rattail_7:
(5, 6489), (Start: 10 @6552 has 21 MA's), (12, 6573), (18, 6654),

Gene: RedFox_7 Start: 6510, Stop: 6692, Start Num: 10
Candidate Starts for RedFox_7:
(Start: 10 @6510 has 21 MA's), (12, 6531),

Gene: Renna12_8 Start: 6698, Stop: 6889, Start Num: 10
Candidate Starts for Renna12_8:
(Start: 10 @6698 has 21 MA's), (12, 6719), (18, 6800),

Gene: Ruchi_8 Start: 7139, Stop: 7354, Start Num: 10
Candidate Starts for Ruchi_8:
(6, 7082), (7, 7088), (Start: 10 @7139 has 21 MA's),

Gene: Scitech_7 Start: 5799, Stop: 5963, Start Num: 11
Candidate Starts for Scitech_7:
(6, 5730), (Start: 11 @5799 has 2 MA's), (12, 5814),

Gene: Snekmaggedon_7 Start: 5822, Stop: 6004, Start Num: 11
Candidate Starts for Snekmaggedon_7:
(1, 5351), (2, 5453), (6, 5753), (Start: 11 @5822 has 2 MA's), (12, 5837),

Gene: Tessdabest_6 Start: 5799, Stop: 5963, Start Num: 11
Candidate Starts for Tessdabest_6:
(6, 5730), (Start: 11 @5799 has 2 MA's), (12, 5814),

Gene: Vulpecula_8 Start: 7215, Stop: 7430, Start Num: 10
Candidate Starts for Vulpecula_8:
(Start: 10 @7215 has 21 MA's),

Gene: WileyE_7 Start: 6580, Stop: 6765, Start Num: 10
Candidate Starts for WileyE_7:
(6, 6526), (7, 6532), (Start: 10 @6580 has 21 MA's), (17, 6679),