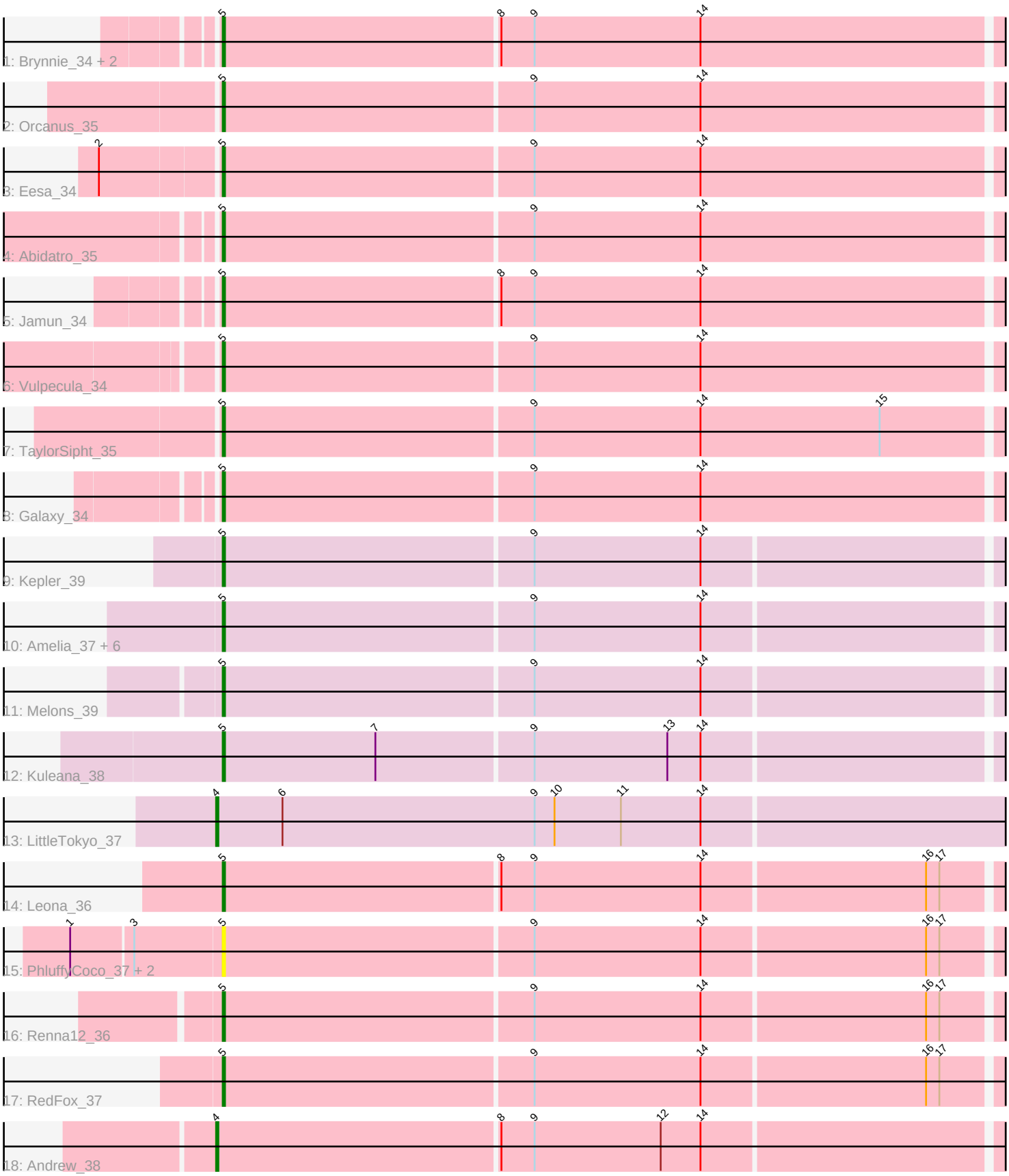
Pham 3796


1: Brynnie_34 + 2
2: Orcanus_35
3: Eesa_34
4: Abidatro_35
5: Jamun_34
6: Vulpecula_34
7: TaylorSipht_35
8: Galaxy_34
9: Kepler_39
10: Amelia_37 + 6
11: Melons_39
12: Kuleana_38
13: LittleTokyo_37
14: Leona_36
15: PhluffyCoco_37 + 2
16: Renna12_36
17: RedFox_37
18: Andrew_38

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 3796 Report

This analysis was run 04/28/24 on database version 559.

Pham number 3796 has 28 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Brynnie_34, Basilisk_35, Ruchi_34
• Track 2 : Orcanus_35
• Track 3 : Eesa_34
• Track 4 : Abidatro_35
• Track 5 : Jamun_34
• Track 6 : Vulpecula_34
• Track 7 : TaylorSipht_35
• Track 8 : Galaxy_34
• Track 9 : Kepler_39
• Track 10 : Amelia_37, Polka_37, Cote_39, Lunar_39, HannahPhantana_44, Coral_37, Daob_39
• Track 11 : Melons_39
• Track 12 : Kuleana_38
• Track 13 : LittleTokyo_37
• Track 14 : Leona_36
• Track 15 : PhluffyCoco_37, Juno112_37, KHumphrey_36
• Track 16 : Renna12_36
• Track 17 : RedFox_37
• Track 18 : Andrew_38

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 22 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abidatro_35, Amelia_37, Basilisk_35, Brynnie_34, Coral_37, Cote_39, Daob_39, Eesa_34, Galaxy_34, HannahPhantana_44, Jamun_34, Juno112_37, KHumphrey_36, Kepler_39, Kuleana_38, Leona_36, Lunar_39, Melons_39, Orcanus_35, PhluffyCoco_37, Polka_37, RedFox_37, Renna12_36, Ruchi_34, TaylorSipht_35, Vulpecula_34,

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

Genes that do not have the "Most Annotated" start:
• Andrew_38, LittleTokyo_37,

Summary by start number:

Start 4:
• Found in 2 of 28 (7.1%) of genes in pham
• Manual Annotations of this start: 2 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Andrew_38 (AS3), LittleTokyo_37 (AS2),

Start 5:
• Found in 26 of 28 (92.9%) of genes in pham
• Manual Annotations of this start: 22 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abidatro_35 (AS1), Amelia_37 (AS2), Basilisk_35 (AS1), Brynnie_34 (AS1), Coral_37 (AS2), Cote_39 (AS2), Daob_39 (AS2), Eesa_34 (AS1), Galaxy_34 (AS1), HannahPhantana_44 (AS2), Jamun_34 (AS1), Juno112_37 (AS3), KHumphrey_36 (AS3), Kepler_39 (AS2), Kuleana_38 (AS2), Leona_36 (AS3), Lunar_39 (AS2), Melons_39 (AS2), Orcanus_35 (AS1), PhluffyCoco_37 (AS3), Polka_37 (AS2), RedFox_37 (AS3), Renna12_36 (AS3), Ruchi_34 (AS1), TaylorSipht_35 (AS1), Vulpecula_34 (AS1),

Summary by clusters:

There are 3 clusters represented in this pham: AS3, AS2, AS1,

Info for manual annotations of cluster AS1:
•Start number 5 was manually annotated 10 times for cluster AS1.

Info for manual annotations of cluster AS2:
•Start number 4 was manually annotated 1 time for cluster AS2.
•Start number 5 was manually annotated 9 times for cluster AS2.

Info for manual annotations of cluster AS3:
•Start number 4 was manually annotated 1 time for cluster AS3.
•Start number 5 was manually annotated 3 times for cluster AS3.

Gene Information:

Gene: Abidatro_35 Start: 24633, Stop: 24271, Start Num: 5
Candidate Starts for Abidatro_35:
(Start: 5 @24633 has 22 MA's), (9, 24495), (14, 24420),

Gene: Amelia_37 Start: 24380, Stop: 24012, Start Num: 5
Candidate Starts for Amelia_37:
(Start: 5 @24380 has 22 MA's), (9, 24242), (14, 24167),

Gene: Andrew_38 Start: 24197, Stop: 23832, Start Num: 4

Candidate Starts for Andrew_38:
(Start: 4 @24197 has 2 MA's), (8, 24071), (9, 24056), (12, 23999), (14, 23981),

Gene: Basilisk_35 Start: 25113, Stop: 24751, Start Num: 5
Candidate Starts for Basilisk_35:
(Start: 5 @25113 has 22 MA's), (8, 24990), (9, 24975), (14, 24900),

Gene: Brynnie_34 Start: 24991, Stop: 24629, Start Num: 5
Candidate Starts for Brynnie_34:
(Start: 5 @24991 has 22 MA's), (8, 24868), (9, 24853), (14, 24778),

Gene: Coral_37 Start: 24229, Stop: 23861, Start Num: 5
Candidate Starts for Coral_37:
(Start: 5 @24229 has 22 MA's), (9, 24091), (14, 24016),

Gene: Cote_39 Start: 24706, Stop: 24338, Start Num: 5
Candidate Starts for Cote_39:
(Start: 5 @24706 has 22 MA's), (9, 24568), (14, 24493),

Gene: Daob_39 Start: 24714, Stop: 24346, Start Num: 5
Candidate Starts for Daob_39:
(Start: 5 @24714 has 22 MA's), (9, 24576), (14, 24501),

Gene: Eesa_34 Start: 25466, Stop: 25104, Start Num: 5
Candidate Starts for Eesa_34:
(2, 25517), (Start: 5 @25466 has 22 MA's), (9, 25328), (14, 25253),

Gene: Galaxy_34 Start: 24401, Stop: 24039, Start Num: 5
Candidate Starts for Galaxy_34:
(Start: 5 @24401 has 22 MA's), (9, 24263), (14, 24188),

Gene: HannahPhantana_44 Start: 24376, Stop: 24008, Start Num: 5
Candidate Starts for HannahPhantana_44:
(Start: 5 @24376 has 22 MA's), (9, 24238), (14, 24163),

Gene: Jamun_34 Start: 24654, Stop: 24292, Start Num: 5
Candidate Starts for Jamun_34:
(Start: 5 @24654 has 22 MA's), (8, 24531), (9, 24516), (14, 24441),

Gene: Juno112_37 Start: 24286, Stop: 23909, Start Num: 5
Candidate Starts for Juno112_37:
(1, 24352), (3, 24325), (Start: 5 @24286 has 22 MA's), (9, 24148), (14, 24073), (16, 23974), (17, 23968),

Gene: KHumphrey_36 Start: 24285, Stop: 23908, Start Num: 5
Candidate Starts for KHumphrey_36:
(1, 24351), (3, 24324), (Start: 5 @24285 has 22 MA's), (9, 24147), (14, 24072), (16, 23973), (17, 23967),

Gene: Kepler_39 Start: 25122, Stop: 24754, Start Num: 5
Candidate Starts for Kepler_39:
(Start: 5 @25122 has 22 MA's), (9, 24984), (14, 24909),

Gene: Kuleana_38 Start: 24550, Stop: 24182, Start Num: 5
Candidate Starts for Kuleana_38:
(Start: 5 @24550 has 22 MA's), (7, 24481), (9, 24412), (13, 24352), (14, 24337),

Gene: Leona_36 Start: 24354, Stop: 23977, Start Num: 5
Candidate Starts for Leona_36:
(Start: 5 @24354 has 22 MA's), (8, 24231), (9, 24216), (14, 24141), (16, 24042), (17, 24036),

Gene: LittleTokyo_37 Start: 24235, Stop: 23852, Start Num: 4
Candidate Starts for LittleTokyo_37:
(Start: 4 @24235 has 2 MA's), (6, 24205), (9, 24091), (10, 24082), (11, 24052), (14, 24016),

Gene: Lunar_39 Start: 25040, Stop: 24672, Start Num: 5
Candidate Starts for Lunar_39:
(Start: 5 @25040 has 22 MA's), (9, 24902), (14, 24827),

Gene: Melons_39 Start: 24856, Stop: 24488, Start Num: 5
Candidate Starts for Melons_39:
(Start: 5 @24856 has 22 MA's), (9, 24718), (14, 24643),

Gene: Orcanus_35 Start: 24994, Stop: 24632, Start Num: 5
Candidate Starts for Orcanus_35:
(Start: 5 @24994 has 22 MA's), (9, 24856), (14, 24781),

Gene: PhluffyCoco_37 Start: 24282, Stop: 23905, Start Num: 5
Candidate Starts for PhluffyCoco_37:
(1, 24348), (3, 24321), (Start: 5 @24282 has 22 MA's), (9, 24144), (14, 24069), (16, 23970), (17, 23964),

Gene: Polka_37 Start: 24230, Stop: 23862, Start Num: 5
Candidate Starts for Polka_37:
(Start: 5 @24230 has 22 MA's), (9, 24092), (14, 24017),

Gene: RedFox_37 Start: 24281, Stop: 23904, Start Num: 5
Candidate Starts for RedFox_37:
(Start: 5 @24281 has 22 MA's), (9, 24143), (14, 24068), (16, 23969), (17, 23963),

Gene: Renna12_36 Start: 24323, Stop: 23946, Start Num: 5
Candidate Starts for Renna12_36:
(Start: 5 @24323 has 22 MA's), (9, 24185), (14, 24110), (16, 24011), (17, 24005),

Gene: Ruchi_34 Start: 25059, Stop: 24697, Start Num: 5
Candidate Starts for Ruchi_34:
(Start: 5 @25059 has 22 MA's), (8, 24936), (9, 24921), (14, 24846),

Gene: TaylorSipht_35 Start: 24416, Stop: 24054, Start Num: 5
Candidate Starts for TaylorSipht_35:
(Start: 5 @24416 has 22 MA's), (9, 24278), (14, 24203), (15, 24122),

Gene: Vulpecula_34 Start: 24734, Stop: 24372, Start Num: 5
Candidate Starts for Vulpecula_34:
(Start: 5 @24734 has 22 MA's), (9, 24596), (14, 24521),