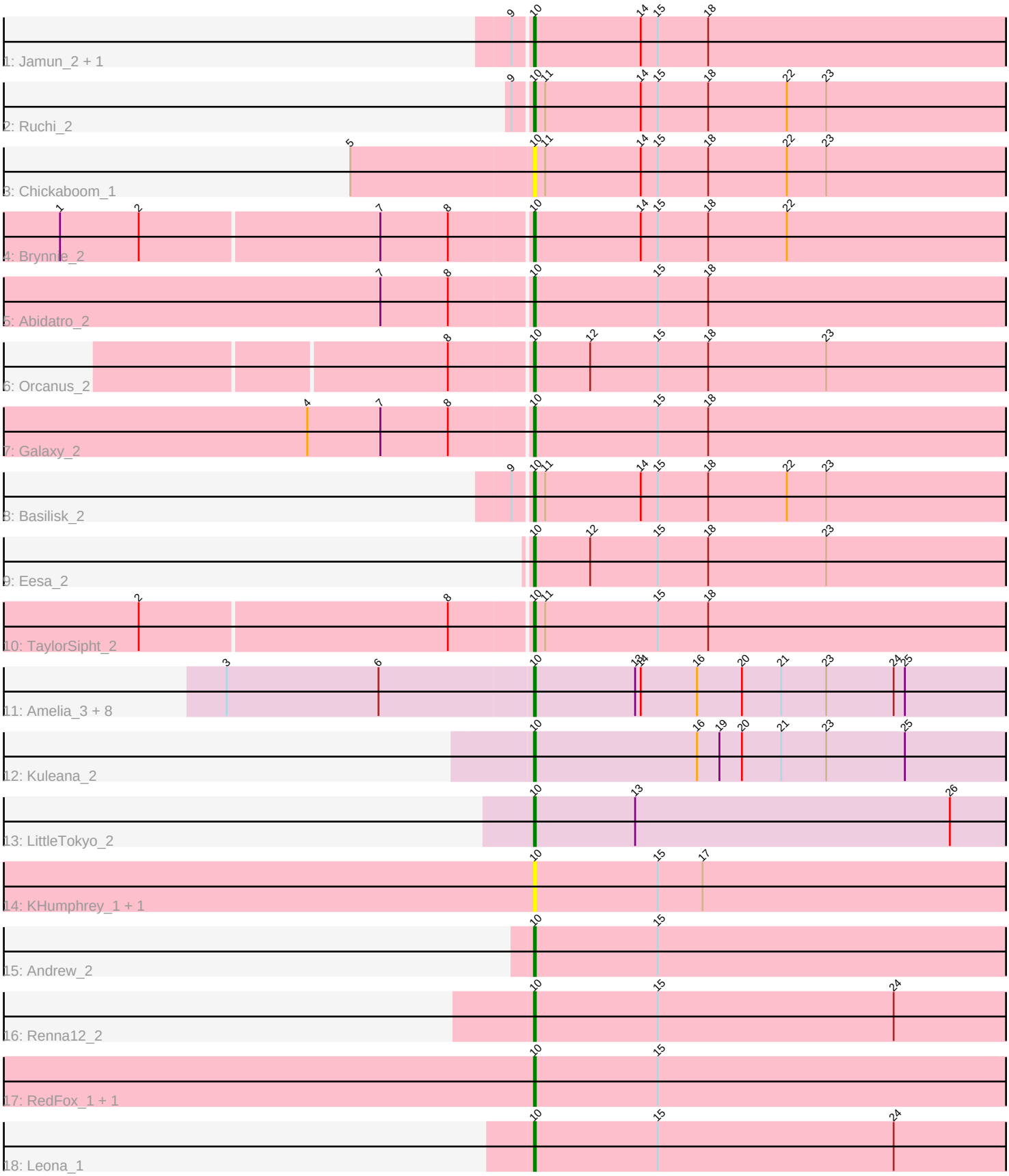
Pham 86388


1: Jamun_2 + 1
2: Ruchi_2
3: Chickaboom_1
4: Brynnie_2
5: Abidatro_2
6: Orcanus_2
7: Galaxy_2
8: Basilisk_2
9: Eesa_2
10: TaylorSipht_2
11: Amelia_3 + 8
12: Kuleana_2
13: LittleTokyo_2
14: KHumphrey_1 + 1
15: Andrew_2
16: Renna12_2
17: RedFox_1 + 1
18: Leona_1

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 86388 Report

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

Pham number 86388 has 29 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Jamun_2, Vulpecula_2
• Track 2 : Ruchi_2
• Track 3 : Chickaboom_1
• Track 4 : Brynnie_2
• Track 5 : Abidatro_2
• Track 6 : Orcanus_2
• Track 7 : Galaxy_2
• Track 8 : Basilisk_2
• Track 9 : Eesa_2
• Track 10 : TaylorSipht_2
• Track 11 : Amelia_3, Cote_3, Polka_2, Daob_3, HannahPhantana_3, Melons_3, Lunar_3, Kepler_2, Coral_2
• Track 12 : Kuleana_2
• Track 13 : LittleTokyo_2
• Track 14 : KHumphrey_1, PhluffyCoco_1
• Track 15 : Andrew_2
• Track 16 : Renna12_2
• Track 17 : RedFox_1, Juno112_1
• Track 18 : Leona_1

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

Genes that call this "Most Annotated" start:
• Abidatro_2, Amelia_3, Andrew_2, Basilisk_2, Brynnie_2, Chickaboom_1, Coral_2, Cote_3, Daob_3, Eesa_2, Galaxy_2, HannahPhantana_3, Jamun_2, Juno112_1, KHumphrey_1, Kepler_2, Kuleana_2, Leona_1, LittleTokyo_2, Lunar_3, Melons_3, Orcanus_2, PhluffyCoco_1, Polka_2, RedFox_1, Renna12_2, Ruchi_2, TaylorSipht_2, Vulpecula_2,

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

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

Summary by start number:

Start 10:
• Found in 29 of 29 (100.0%) of genes in pham
• Manual Annotations of this start: 24 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abidatro_2 (AS1), Amelia_3 (AS2), Andrew_2 (AS3), Basilisk_2 (AS1), Brynnie_2 (AS1), Chickaboom_1 (AS1), Coral_2 (AS2), Cote_3 (AS2), Daob_3 (AS2), Eesa_2 (AS1), Galaxy_2 (AS1), HannahPhantana_3 (AS2), Jamun_2 (AS1), Juno112_1 (AS3), KHumphrey_1 (AS3), Kepler_2 (AS2), Kuleana_2 (AS2), Leona_1 (AS3), LittleTokyo_2 (AS2), Lunar_3 (AS2), Melons_3 (AS2), Orcanus_2 (AS1), PhluffyCoco_1 (AS3), Polka_2 (AS2), RedFox_1 (AS3), Renna12_2 (AS3), Ruchi_2 (AS1), TaylorSipht_2 (AS1), Vulpecula_2 (AS1),

Summary by clusters:

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

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

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

Info for manual annotations of cluster AS3:
•Start number 10 was manually annotated 4 times for cluster AS3.

Gene Information:

Gene: Abidatro_2 Start: 445, Stop: 753, Start Num: 10
Candidate Starts for Abidatro_2:
(7, 367), (8, 403), (Start: 10 @445 has 24 MA's), (15, 511), (18, 538),

Gene: Amelia_3 Start: 601, Stop: 912, Start Num: 10
Candidate Starts for Amelia_3:
(3, 439), (6, 520), (Start: 10 @601 has 24 MA's), (13, 655), (14, 658), (16, 688), (20, 712), (21, 733), (23, 757), (24, 793), (25, 799),

Gene: Andrew_2 Start: 473, Stop: 781, Start Num: 10
Candidate Starts for Andrew_2:
(Start: 10 @473 has 24 MA's), (15, 539),

Gene: Basilisk_2 Start: 714, Stop: 1022, Start Num: 10
Candidate Starts for Basilisk_2:
(9, 705), (Start: 10 @714 has 24 MA's), (11, 720), (14, 771), (15, 780), (18, 807), (22, 849), (23, 870),

Gene: Brynnie_2 Start: 442, Stop: 750, Start Num: 10
Candidate Starts for Brynnie_2:
(1, 196), (2, 238), (7, 364), (8, 400), (Start: 10 @442 has 24 MA's), (14, 499), (15, 508), (18, 535), (22, 577),

Gene: Chickaboom_1 Start: 97, Stop: 405, Start Num: 10
Candidate Starts for Chickaboom_1:
(5, 1), (Start: 10 @97 has 24 MA's), (11, 103), (14, 154), (15, 163), (18, 190), (22, 232), (23, 253),

Gene: Coral_2 Start: 437, Stop: 748, Start Num: 10
Candidate Starts for Coral_2:
(3, 275), (6, 356), (Start: 10 @437 has 24 MA's), (13, 491), (14, 494), (16, 524), (20, 548), (21, 569), (23, 593), (24, 629), (25, 635),

Gene: Cote_3 Start: 601, Stop: 912, Start Num: 10
Candidate Starts for Cote_3:
(3, 439), (6, 520), (Start: 10 @601 has 24 MA's), (13, 655), (14, 658), (16, 688), (20, 712), (21, 733), (23, 757), (24, 793), (25, 799),

Gene: Daob_3 Start: 601, Stop: 912, Start Num: 10
Candidate Starts for Daob_3:
(3, 439), (6, 520), (Start: 10 @601 has 24 MA's), (13, 655), (14, 658), (16, 688), (20, 712), (21, 733), (23, 757), (24, 793), (25, 799),

Gene: Eesa_2 Start: 645, Stop: 953, Start Num: 10
Candidate Starts for Eesa_2:
(Start: 10 @645 has 24 MA's), (12, 675), (15, 711), (18, 738), (23, 801),

Gene: Galaxy_2 Start: 445, Stop: 753, Start Num: 10
Candidate Starts for Galaxy_2:
(4, 328), (7, 367), (8, 403), (Start: 10 @445 has 24 MA's), (15, 511), (18, 538),

Gene: HannahPhantana_3 Start: 601, Stop: 912, Start Num: 10
Candidate Starts for HannahPhantana_3:
(3, 439), (6, 520), (Start: 10 @601 has 24 MA's), (13, 655), (14, 658), (16, 688), (20, 712), (21, 733), (23, 757), (24, 793), (25, 799),

Gene: Jamun_2 Start: 714, Stop: 1022, Start Num: 10
Candidate Starts for Jamun_2:
(9, 705), (Start: 10 @714 has 24 MA's), (14, 771), (15, 780), (18, 807),

Gene: Juno112_1 Start: 102, Stop: 410, Start Num: 10
Candidate Starts for Juno112_1:
(Start: 10 @102 has 24 MA's), (15, 168),

Gene: KHumphrey_1 Start: 102, Stop: 410, Start Num: 10
Candidate Starts for KHumphrey_1:
(Start: 10 @102 has 24 MA's), (15, 168), (17, 192),

Gene: Kepler_2 Start: 436, Stop: 747, Start Num: 10
Candidate Starts for Kepler_2:
(3, 274), (6, 355), (Start: 10 @436 has 24 MA's), (13, 490), (14, 493), (16, 523), (20, 547), (21, 568), (23, 592), (24, 628), (25, 634),

Gene: Kuleana_2 Start: 449, Stop: 760, Start Num: 10
Candidate Starts for Kuleana_2:
(Start: 10 @449 has 24 MA's), (16, 536), (19, 548), (20, 560), (21, 581), (23, 605), (25, 647),

Gene: Leona_1 Start: 105, Stop: 413, Start Num: 10
Candidate Starts for Leona_1:
(Start: 10 @105 has 24 MA's), (15, 171), (24, 297),

Gene: LittleTokyo_2 Start: 444, Stop: 749, Start Num: 10
Candidate Starts for LittleTokyo_2:
(Start: 10 @444 has 24 MA's), (13, 498), (26, 666),

Gene: Lunar_3 Start: 601, Stop: 912, Start Num: 10
Candidate Starts for Lunar_3:
(3, 439), (6, 520), (Start: 10 @601 has 24 MA's), (13, 655), (14, 658), (16, 688), (20, 712), (21, 733), (23, 757), (24, 793), (25, 799),

Gene: Melons_3 Start: 601, Stop: 912, Start Num: 10
Candidate Starts for Melons_3:
(3, 439), (6, 520), (Start: 10 @601 has 24 MA's), (13, 655), (14, 658), (16, 688), (20, 712), (21, 733), (23, 757), (24, 793), (25, 799),

Gene: Orcanus_2 Start: 438, Stop: 746, Start Num: 10
Candidate Starts for Orcanus_2:
(8, 396), (Start: 10 @438 has 24 MA's), (12, 468), (15, 504), (18, 531), (23, 594),

Gene: PhluffyCoco_1 Start: 102, Stop: 410, Start Num: 10
Candidate Starts for PhluffyCoco_1:
(Start: 10 @102 has 24 MA's), (15, 168), (17, 192),

Gene: Polka_2 Start: 437, Stop: 748, Start Num: 10
Candidate Starts for Polka_2:
(3, 275), (6, 356), (Start: 10 @437 has 24 MA's), (13, 491), (14, 494), (16, 524), (20, 548), (21, 569), (23, 593), (24, 629), (25, 635),

Gene: RedFox_1 Start: 102, Stop: 410, Start Num: 10
Candidate Starts for RedFox_1:
(Start: 10 @102 has 24 MA's), (15, 168),

Gene: Renna12_2 Start: 270, Stop: 578, Start Num: 10
Candidate Starts for Renna12_2:
(Start: 10 @270 has 24 MA's), (15, 336), (24, 462),

Gene: Ruchi_2 Start: 714, Stop: 1022, Start Num: 10
Candidate Starts for Ruchi_2:
(9, 705), (Start: 10 @714 has 24 MA's), (11, 720), (14, 771), (15, 780), (18, 807), (22, 849), (23, 870),

Gene: TaylorSipht_2 Start: 462, Stop: 770, Start Num: 10
Candidate Starts for TaylorSipht_2:
(2, 258), (8, 420), (Start: 10 @462 has 24 MA's), (11, 468), (15, 528), (18, 555),

Gene: Vulpecula_2 Start: 714, Stop: 1022, Start Num: 10

Candidate Starts for Vulpecula_2:
(9, 705), (Start: 10 @714 has 24 MA's), (14, 771), (15, 780), (18, 807),