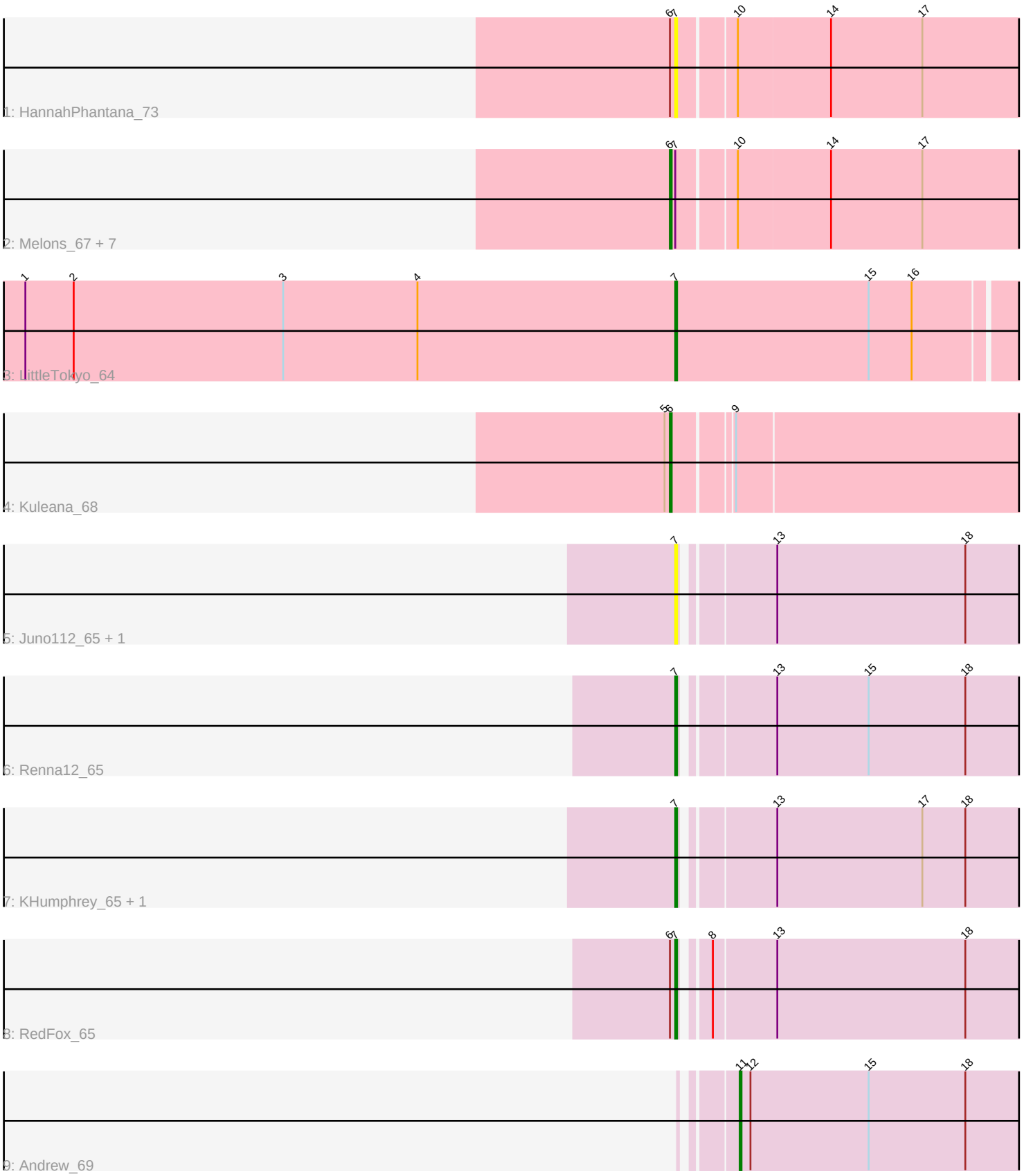
Pham 95552


6
7
10
14
17
1: HannahPhantana_73
6
7
10
14
17
2: Melons_67 + 7
1
2
3
4
7
15
16
3: LittleTokyo_64
5
6
9
4: Kuleana_68
7
13
18
5: Juno112_65 + 1
7
13
15
18
6: Renna12_65
7
13
17
18
7: KHumphrey_65 + 1
6
7
8
13
18
8: RedFox_65
11
12
15
18
9: Andrew_69

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 95552 Report

This analysis was run 04/05/24 on database version 557.

Pham number 95552 has 18 members, 4 are drafts.

Phages represented in each track:
• Track 1 : HannahPhantana_73
• Track 2 : Melons_67, Lunar_67, Kepler_66, Coral_65, Daob_66, Polka_64, Cote_68, Amelia_64
• Track 3 : LittleTokyo_64
• Track 4 : Kuleana_68
• Track 5 : Juno112_65, PhluffyCoco_65
• Track 6 : Renna12_65
• Track 7 : KHumphrey_65, Leona_63
• Track 8 : RedFox_65
• Track 9 : Andrew_69

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

The start number called the most often in the published annotations is 6, it was called in 9 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amelia_64, Coral_65, Cote_68, Daob_66, Kepler_66, Kuleana_68, Lunar_67, Melons_67, Polka_64,

Genes that have the "Most Annotated" start but do not call it:
• HannahPhantana_73, RedFox_65,

Genes that do not have the "Most Annotated" start:
• Andrew_69, Juno112_65, KHumphrey_65, Leona_63, LittleTokyo_64, PhluffyCoco_65, Renna12_65,

Summary by start number:

Start 6:
• Found in 11 of 18 (61.1%) of genes in pham
• Manual Annotations of this start: 9 of 14
• Called 81.8% of time when present

• Phage (with cluster) where this start called: Amelia_64 (AS2), Coral_65 (AS2), Cote_68 (AS2), Daob_66 (AS2), Kepler_66 (AS2), Kuleana_68 (AS2), Lunar_67 (AS2), Melons_67 (AS2), Polka_64 (AS2),

Start 7:
• Found in 16 of 18 (88.9%) of genes in pham
• Manual Annotations of this start: 4 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: HannahPhantana_73 (AS2), Juno112_65 (AS3), KHumphrey_65 (AS3), Leona_63 (AS3), LittleTokyo_64 (AS2), PhluffyCoco_65 (AS3), RedFox_65 (AS3), Renna12_65 (AS3),

Start 11:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Andrew_69 (AS3),

Summary by clusters:

There are 2 clusters represented in this pham: AS3, AS2,

Info for manual annotations of cluster AS2:
•Start number 6 was manually annotated 9 times for cluster AS2.
•Start number 7 was manually annotated 1 time for cluster AS2.

Info for manual annotations of cluster AS3:
•Start number 7 was manually annotated 3 times for cluster AS3.
•Start number 11 was manually annotated 1 time for cluster AS3.

Gene Information:

Gene: Amelia_64 Start: 36351, Stop: 36548, Start Num: 6
Candidate Starts for Amelia_64:
(Start: 6 @36351 has 9 MA's), (Start: 7 @36354 has 4 MA's), (10, 36384), (14, 36435), (17, 36486),

Gene: Andrew_69 Start: 37385, Stop: 37558, Start Num: 11
Candidate Starts for Andrew_69:
(Start: 11 @37385 has 1 MA's), (12, 37391), (15, 37457), (18, 37511),

Gene: Coral_65 Start: 36549, Stop: 36746, Start Num: 6
Candidate Starts for Coral_65:
(Start: 6 @36549 has 9 MA's), (Start: 7 @36552 has 4 MA's), (10, 36582), (14, 36633), (17, 36684),

Gene: Cote_68 Start: 36989, Stop: 37186, Start Num: 6
Candidate Starts for Cote_68:
(Start: 6 @36989 has 9 MA's), (Start: 7 @36992 has 4 MA's), (10, 37022), (14, 37073), (17, 37124),

Gene: Daob_66 Start: 36332, Stop: 36529, Start Num: 6
Candidate Starts for Daob_66:
(Start: 6 @36332 has 9 MA's), (Start: 7 @36335 has 4 MA's), (10, 36365), (14, 36416), (17, 36467),

Gene: HannahPhantana_73 Start: 36349, Stop: 36543, Start Num: 7
Candidate Starts for HannahPhantana_73:
(Start: 6 @36346 has 9 MA's), (Start: 7 @36349 has 4 MA's), (10, 36379), (14, 36430), (17, 36481),

Gene: Juno112_65 Start: 37021, Stop: 37212, Start Num: 7
Candidate Starts for Juno112_65:
(Start: 7 @37021 has 4 MA's), (13, 37066), (18, 37171),

Gene: KHumphrey_65 Start: 36909, Stop: 37097, Start Num: 7
Candidate Starts for KHumphrey_65:
(Start: 7 @36909 has 4 MA's), (13, 36954), (17, 37035), (18, 37059),

Gene: Kepler_66 Start: 36335, Stop: 36532, Start Num: 6
Candidate Starts for Kepler_66:
(Start: 6 @36335 has 9 MA's), (Start: 7 @36338 has 4 MA's), (10, 36368), (14, 36419), (17, 36470),

Gene: Kuleana_68 Start: 37045, Stop: 37245, Start Num: 6
Candidate Starts for Kuleana_68:
(5, 37042), (Start: 6 @37045 has 9 MA's), (9, 37075),

Gene: Leona_63 Start: 37113, Stop: 37301, Start Num: 7
Candidate Starts for Leona_63:
(Start: 7 @37113 has 4 MA's), (13, 37158), (17, 37239), (18, 37263),

Gene: LittleTokyo_64 Start: 35635, Stop: 35829, Start Num: 7
Candidate Starts for LittleTokyo_64:
(1, 35272), (2, 35299), (3, 35416), (4, 35491), (Start: 7 @35635 has 4 MA's), (15, 35743), (16, 35767),

Gene: Lunar_67 Start: 36672, Stop: 36869, Start Num: 6
Candidate Starts for Lunar_67:
(Start: 6 @36672 has 9 MA's), (Start: 7 @36675 has 4 MA's), (10, 36705), (14, 36756), (17, 36807),

Gene: Melons_67 Start: 36588, Stop: 36785, Start Num: 6
Candidate Starts for Melons_67:
(Start: 6 @36588 has 9 MA's), (Start: 7 @36591 has 4 MA's), (10, 36621), (14, 36672), (17, 36723),

Gene: PhluffyCoco_65 Start: 37120, Stop: 37311, Start Num: 7
Candidate Starts for PhluffyCoco_65:
(Start: 7 @37120 has 4 MA's), (13, 37165), (18, 37270),

Gene: Polka_64 Start: 36201, Stop: 36398, Start Num: 6
Candidate Starts for Polka_64:
(Start: 6 @36201 has 9 MA's), (Start: 7 @36204 has 4 MA's), (10, 36234), (14, 36285), (17, 36336),

Gene: RedFox_65 Start: 37118, Stop: 37309, Start Num: 7
Candidate Starts for RedFox_65:
(Start: 6 @37115 has 9 MA's), (Start: 7 @37118 has 4 MA's), (8, 37130), (13, 37163), (18, 37268),

Gene: Renna12_65 Start: 37237, Stop: 37428, Start Num: 7
Candidate Starts for Renna12_65:
(Start: 7 @37237 has 4 MA's), (13, 37282), (15, 37333), (18, 37387),