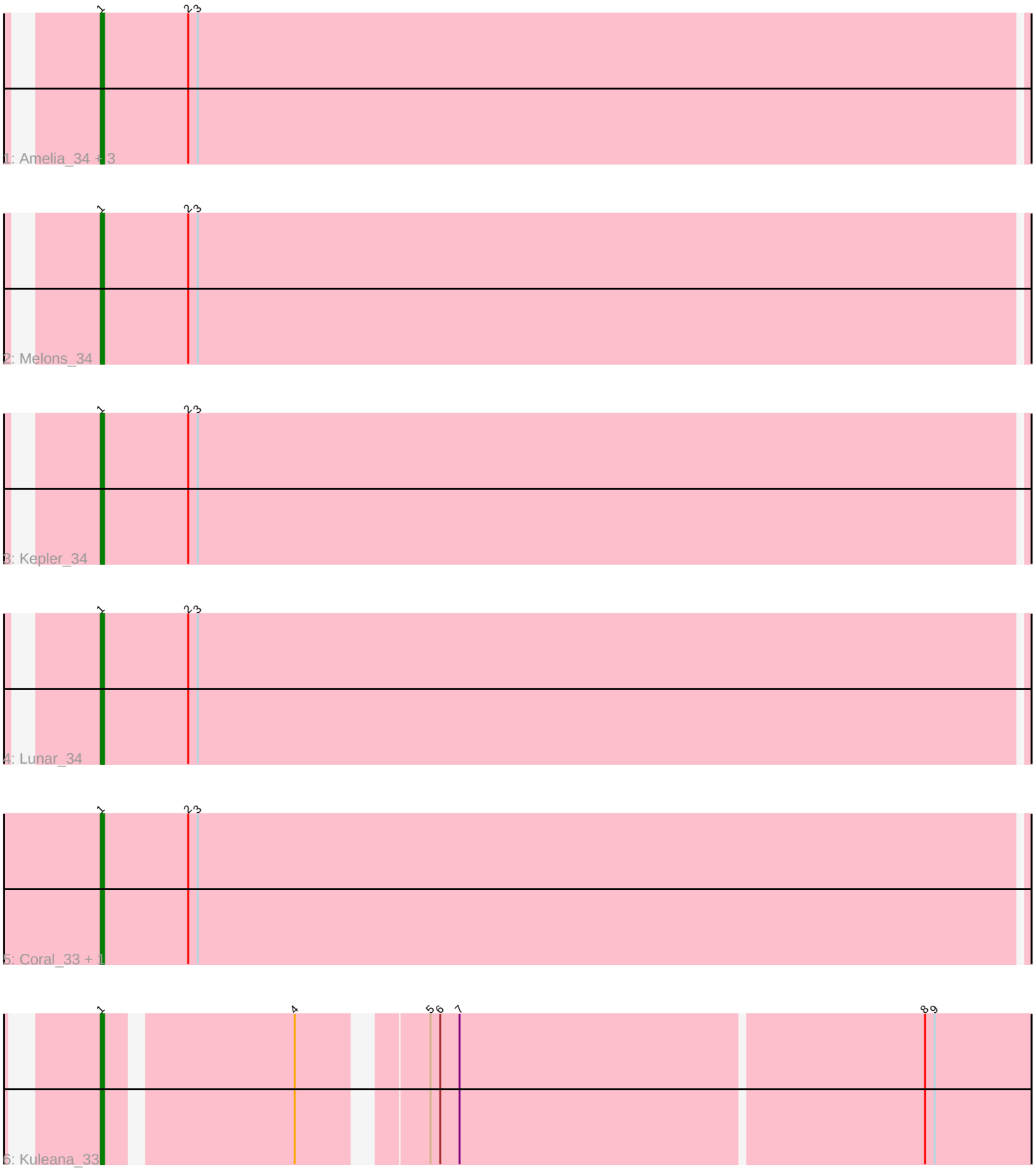
Pham 106847


1
2 3
1: Amelia_34 + 3
1
2 3
2: Melons_34
1
2 3
3: Kepler_34
1
2 3
4: Lunar_34
1
2 3
5: Coral_33 + 1
1
4
5 6
7
8 9
6: Kuleana_33

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 106847 Report

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

Pham number 106847 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Amelia_34, Polka_33, HannahPhantana_37, Daob_35
• Track 2 : Melons_34
• Track 3 : Kepler_34
• Track 4 : Lunar_34
• Track 5 : Coral_33, Cote_35
• Track 6 : Kuleana_33

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amelia_34, Coral_33, Cote_35, Daob_35, HannahPhantana_37, Kepler_34, Kuleana_33, Lunar_34, Melons_34, Polka_33,

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 1:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amelia_34 (AS2), Coral_33 (AS2), Cote_35 (AS2), Daob_35 (AS2), HannahPhantana_37 (AS2), Kepler_34 (AS2), Kuleana_33 (AS2), Lunar_34 (AS2), Melons_34 (AS2), Polka_33 (AS2),

Summary by clusters:

There is one cluster represented in this pham: AS2

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

Gene Information:

Gene: Amelia_34 Start: 22260, Stop: 21952, Start Num: 1
Candidate Starts for Amelia_34:
(Start: 1 @22260 has 9 MA's), (2, 22233), (3, 22230),

Gene: Coral_33 Start: 22099, Stop: 21791, Start Num: 1
Candidate Starts for Coral_33:
(Start: 1 @22099 has 9 MA's), (2, 22072), (3, 22069),

Gene: Cote_35 Start: 22576, Stop: 22268, Start Num: 1
Candidate Starts for Cote_35:
(Start: 1 @22576 has 9 MA's), (2, 22549), (3, 22546),

Gene: Daob_35 Start: 22594, Stop: 22286, Start Num: 1
Candidate Starts for Daob_35:
(Start: 1 @22594 has 9 MA's), (2, 22567), (3, 22564),

Gene: HannahPhantana_37 Start: 22256, Stop: 21948, Start Num: 1
Candidate Starts for HannahPhantana_37:
(Start: 1 @22256 has 9 MA's), (2, 22229), (3, 22226),

Gene: Kepler_34 Start: 22543, Stop: 22235, Start Num: 1
Candidate Starts for Kepler_34:
(Start: 1 @22543 has 9 MA's), (2, 22516), (3, 22513),

Gene: Kuleana_33 Start: 21946, Stop: 21644, Start Num: 1
Candidate Starts for Kuleana_33:
(Start: 1 @21946 has 9 MA's), (4, 21892), (5, 21859), (6, 21856), (7, 21850), (8, 21709), (9, 21706),

Gene: Lunar_34 Start: 22427, Stop: 22119, Start Num: 1
Candidate Starts for Lunar_34:
(Start: 1 @22427 has 9 MA's), (2, 22400), (3, 22397),

Gene: Melons_34 Start: 22244, Stop: 21936, Start Num: 1
Candidate Starts for Melons_34:
(Start: 1 @22244 has 9 MA's), (2, 22217), (3, 22214),

Gene: Polka_33 Start: 22110, Stop: 21802, Start Num: 1
Candidate Starts for Polka_33:
(Start: 1 @22110 has 9 MA's), (2, 22083), (3, 22080),