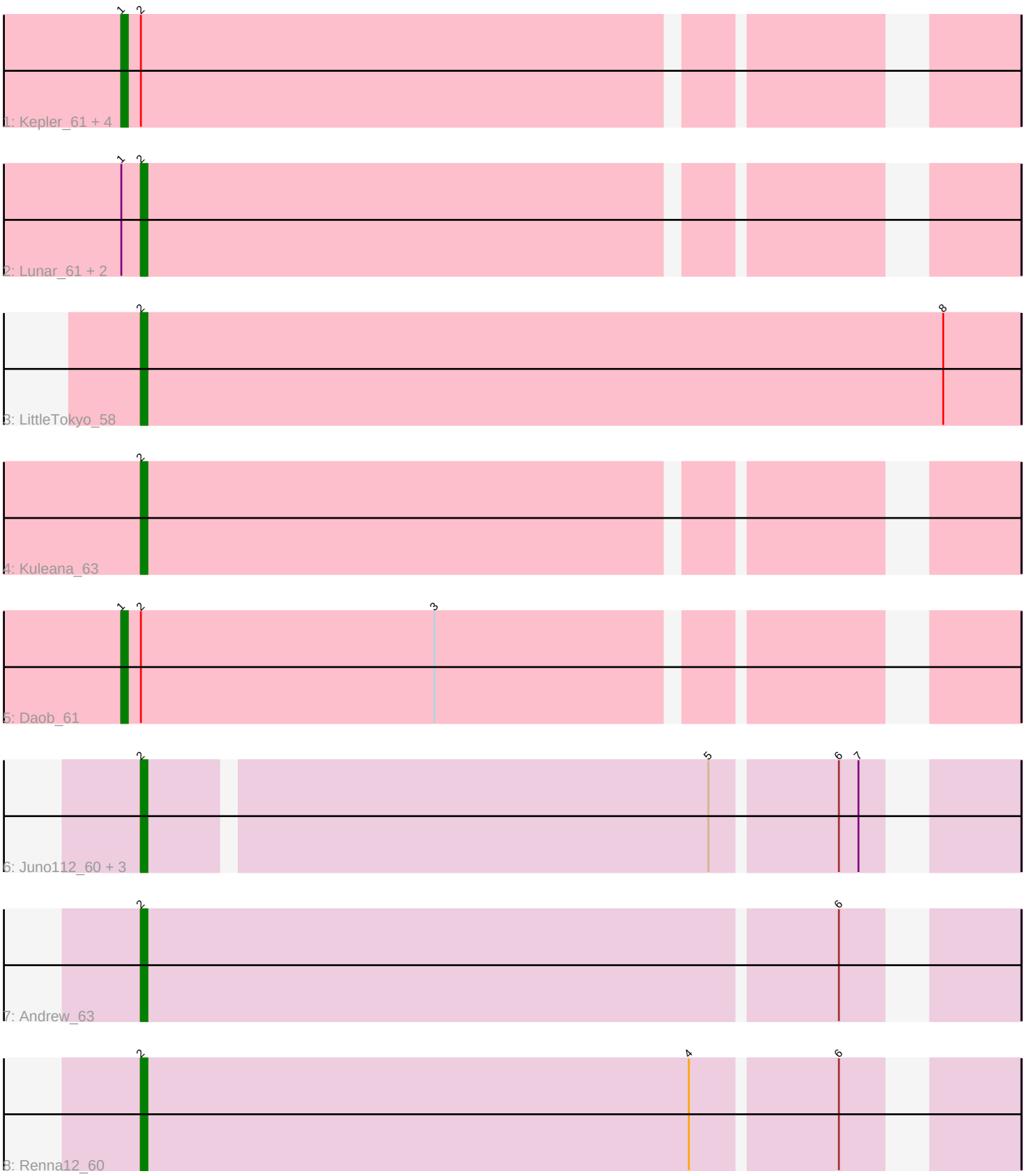
Pham 158224


1
2
1: Kepler_61 + 4
1
2
2: Lunar_61 + 2
2
8
3: LittleTokyo_58
2
4: Kuleana_63
1
2
3
5: Daob_61
2
5
6
7
6: Juno112_60 + 3
2
6
7: Andrew_63
2
4
6
8: Renna12_60

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 158224 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158224 has 17 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Kepler_61, Melons_62, Polka_59, Coral_59, Cote_62
• Track 2 : Lunar_61, HannahPhantana_68, Amelia_59
• Track 3 : LittleTokyo_58
• Track 4 : Kuleana_63
• Track 5 : Daob_61
• Track 6 : Juno112_60, KHumphrey_59, PhluffyCoco_60, RedFox_60
• Track 7 : Andrew_63
• Track 8 : Renna12_60

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amelia_59, Andrew_63, HannahPhantana_68, Juno112_60, KHumphrey_59, Kuleana_63, LittleTokyo_58, Lunar_61, PhluffyCoco_60, RedFox_60, Renna12_60,

Genes that have the "Most Annotated" start but do not call it:
• Coral_59, Cote_62, Daob_61, Kepler_61, Melons_62, Polka_59,

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

Summary by start number:

Start 1:
• Found in 9 of 17 (52.9%) of genes in pham
• Manual Annotations of this start: 6 of 13
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Coral_59 (AS2), Cote_62 (AS2), Daob_61 (AS2), Kepler_61 (AS2), Melons_62 (AS2), Polka_59 (AS2),

Start 2:

• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 13
• Called 64.7% of time when present
• Phage (with cluster) where this start called: Amelia_59 (AS2), Andrew_63 (AS3), HannahPhantana_68 (AS2), Juno112_60 (AS3), KHumphrey_59 (AS3), Kuleana_63 (AS2), LittleTokyo_58 (AS2), Lunar_61 (AS2), PhluffyCoco_60 (AS3), RedFox_60 (AS3), Renna12_60 (AS3),

Summary by clusters:

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

Info for manual annotations of cluster AS2:
•Start number 1 was manually annotated 6 times for cluster AS2.
•Start number 2 was manually annotated 4 times for cluster AS2.

Info for manual annotations of cluster AS3:
•Start number 2 was manually annotated 3 times for cluster AS3.

Gene Information:

Gene: Amelia_59 Start: 34866, Stop: 34988, Start Num: 2
Candidate Starts for Amelia_59:
(Start: 1 @34863 has 6 MA's), (Start: 2 @34866 has 7 MA's),

Gene: Andrew_63 Start: 36290, Stop: 36415, Start Num: 2
Candidate Starts for Andrew_63:
(Start: 2 @36290 has 7 MA's), (6, 36395),

Gene: Coral_59 Start: 34768, Stop: 34893, Start Num: 1
Candidate Starts for Coral_59:
(Start: 1 @34768 has 6 MA's), (Start: 2 @34771 has 7 MA's),

Gene: Cote_62 Start: 35201, Stop: 35326, Start Num: 1
Candidate Starts for Cote_62:
(Start: 1 @35201 has 6 MA's), (Start: 2 @35204 has 7 MA's),

Gene: Daob_61 Start: 35212, Stop: 35337, Start Num: 1
Candidate Starts for Daob_61:
(Start: 1 @35212 has 6 MA's), (Start: 2 @35215 has 7 MA's), (3, 35260),

Gene: HannahPhantana_68 Start: 34861, Stop: 34983, Start Num: 2
Candidate Starts for HannahPhantana_68:
(Start: 1 @34858 has 6 MA's), (Start: 2 @34861 has 7 MA's),

Gene: Juno112_60 Start: 35767, Stop: 35889, Start Num: 2
Candidate Starts for Juno112_60:
(Start: 2 @35767 has 7 MA's), (5, 35851), (6, 35869), (7, 35872),

Gene: KHumphrey_59 Start: 35655, Stop: 35777, Start Num: 2
Candidate Starts for KHumphrey_59:

(Start: 2 @35655 has 7 MA's), (5, 35739), (6, 35757), (7, 35760),

Gene: Kepler_61 Start: 34979, Stop: 35104, Start Num: 1
Candidate Starts for Kepler_61:
(Start: 1 @34979 has 6 MA's), (Start: 2 @34982 has 7 MA's),

Gene: Kuleana_63 Start: 35781, Stop: 35903, Start Num: 2
Candidate Starts for Kuleana_63:
(Start: 2 @35781 has 7 MA's),

Gene: LittleTokyo_58 Start: 34373, Stop: 34507, Start Num: 2
Candidate Starts for LittleTokyo_58:
(Start: 2 @34373 has 7 MA's), (8, 34496),

Gene: Lunar_61 Start: 34894, Stop: 35016, Start Num: 2
Candidate Starts for Lunar_61:
(Start: 1 @34891 has 6 MA's), (Start: 2 @34894 has 7 MA's),

Gene: Melons_62 Start: 35046, Stop: 35171, Start Num: 1
Candidate Starts for Melons_62:
(Start: 1 @35046 has 6 MA's), (Start: 2 @35049 has 7 MA's),

Gene: PhluffyCoco_60 Start: 35866, Stop: 35988, Start Num: 2
Candidate Starts for PhluffyCoco_60:
(Start: 2 @35866 has 7 MA's), (5, 35950), (6, 35968), (7, 35971),

Gene: Polka_59 Start: 34713, Stop: 34838, Start Num: 1
Candidate Starts for Polka_59:
(Start: 1 @34713 has 6 MA's), (Start: 2 @34716 has 7 MA's),

Gene: RedFox_60 Start: 35864, Stop: 35986, Start Num: 2
Candidate Starts for RedFox_60:
(Start: 2 @35864 has 7 MA's), (5, 35948), (6, 35966), (7, 35969),

Gene: Renna12_60 Start: 35974, Stop: 36099, Start Num: 2
Candidate Starts for Renna12_60:
(Start: 2 @35974 has 7 MA's), (4, 36058), (6, 36079),