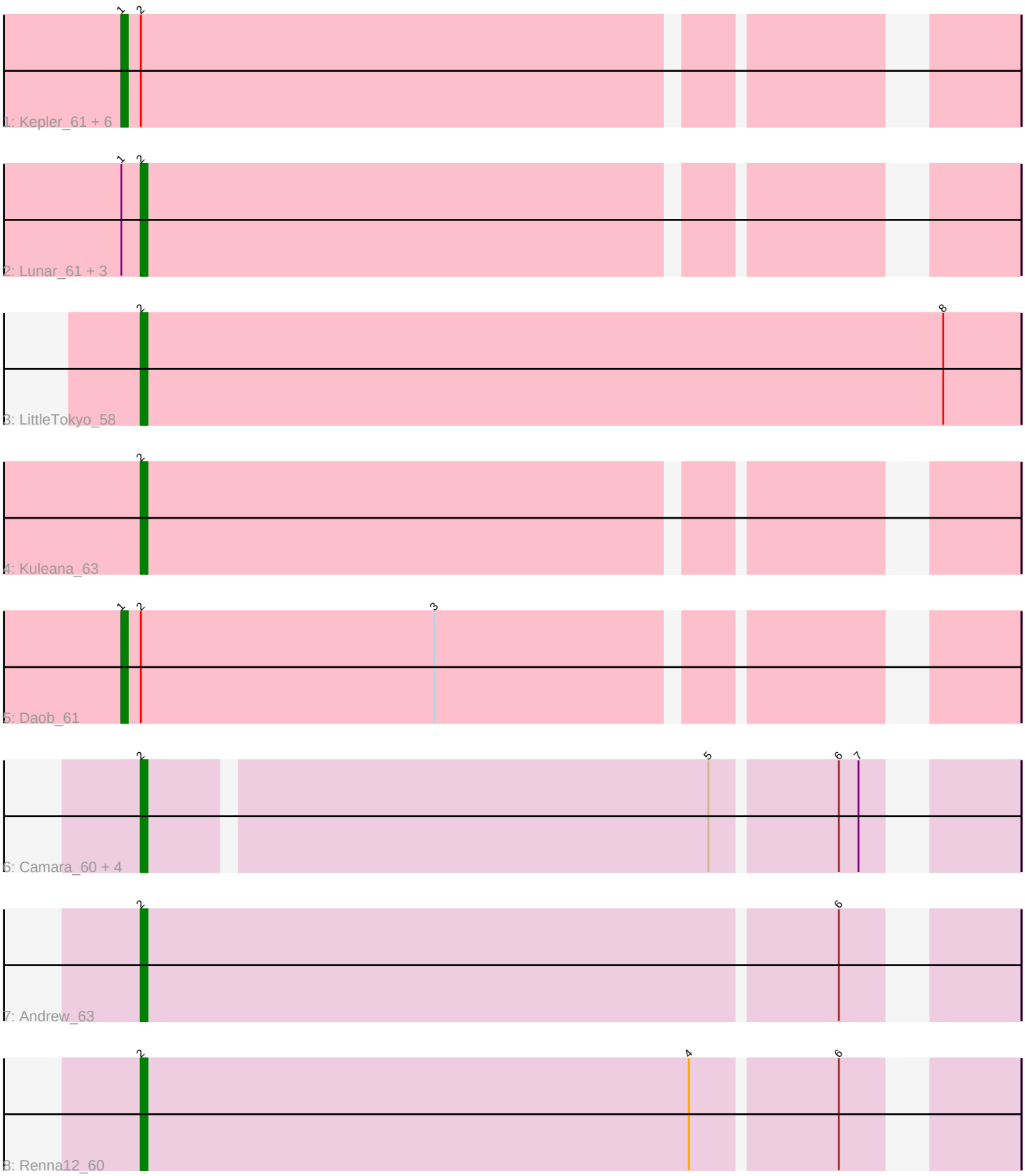
Pham 196829


1
2
1: Kepler_61 + 6
1
2
2: Lunar_61 + 3
2
8
3: LittleTokyo_58
2
4: Kuleana_63
1
2
3
5: Daob_61
2
5
6
7
6: Camara_60 + 4
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 196829 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196829 has 21 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Kepler_61, Bedetta_64, Melons_62, Polka_59, Coral_59, Jerole_69, Cote_62
• Track 2 : Lunar_61, HannahPhantana_61, Colusalem_62, Amelia_59
• Track 3 : LittleTokyo_58
• Track 4 : Kuleana_63
• Track 5 : Daob_61
• Track 6 : Camara_60, KHumphrey_60, PhluffyCoco_60, Juno112_59, 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 10 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amelia_59, Andrew_63, Camara_60, Colusalem_62, HannahPhantana_61, Juno112_59, KHumphrey_60, Kuleana_63, LittleTokyo_58, Lunar_61, PhluffyCoco_60, RedFox_60, Renna12_60,

Genes that have the "Most Annotated" start but do not call it:
• Bedetta_64, Coral_59, Cote_62, Daob_61, Jerole_69, Kepler_61, Melons_62, Polka_59,

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

Summary by start number:

Start 1:
• Found in 12 of 21 (57.1%) of genes in pham
• Manual Annotations of this start: 6 of 16
• Called 66.7% of time when present

• Phage (with cluster) where this start called: Bedetta_64 (AS2), Coral_59 (AS2), Cote_62 (AS2), Daob_61 (AS2), Jerole_69 (AS2), Kepler_61 (AS2), Melons_62 (AS2), Polka_59 (AS2),

Start 2:
• Found in 21 of 21 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 16
• Called 61.9% of time when present
• Phage (with cluster) where this start called: Amelia_59 (AS2), Andrew_63 (AS3), Camara_60 (AS3), Colusalem_62 (AS2), HannahPhantana_61 (AS2), Juno112_59 (AS3), KHumphrey_60 (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 5 times for cluster AS2.

Info for manual annotations of cluster AS3:
•Start number 2 was manually annotated 5 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 10 MA's),

Gene: Andrew_63 Start: 36290, Stop: 36415, Start Num: 2
Candidate Starts for Andrew_63:
(Start: 2 @36290 has 10 MA's), (6, 36395),

Gene: Bedetta_64 Start: 35023, Stop: 35148, Start Num: 1
Candidate Starts for Bedetta_64:
(Start: 1 @35023 has 6 MA's), (Start: 2 @35026 has 10 MA's),

Gene: Camara_60 Start: 35656, Stop: 35778, Start Num: 2
Candidate Starts for Camara_60:
(Start: 2 @35656 has 10 MA's), (5, 35740), (6, 35758), (7, 35761),

Gene: Colusalem_62 Start: 34843, Stop: 34965, Start Num: 2
Candidate Starts for Colusalem_62:
(Start: 1 @34840 has 6 MA's), (Start: 2 @34843 has 10 MA's),

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 10 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 10 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 10 MA's), (3, 35260),

Gene: HannahPhantana_61 Start: 34861, Stop: 34983, Start Num: 2
Candidate Starts for HannahPhantana_61:
(Start: 1 @34858 has 6 MA's), (Start: 2 @34861 has 10 MA's),

Gene: Jerole_69 Start: 34982, Stop: 35107, Start Num: 1
Candidate Starts for Jerole_69:
(Start: 1 @34982 has 6 MA's), (Start: 2 @34985 has 10 MA's),

Gene: Juno112_59 Start: 35767, Stop: 35889, Start Num: 2
Candidate Starts for Juno112_59:
(Start: 2 @35767 has 10 MA's), (5, 35851), (6, 35869), (7, 35872),

Gene: KHumphrey_60 Start: 35655, Stop: 35777, Start Num: 2
Candidate Starts for KHumphrey_60:
(Start: 2 @35655 has 10 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 10 MA's),

Gene: Kuleana_63 Start: 35781, Stop: 35903, Start Num: 2
Candidate Starts for Kuleana_63:
(Start: 2 @35781 has 10 MA's),

Gene: LittleTokyo_58 Start: 34373, Stop: 34507, Start Num: 2
Candidate Starts for LittleTokyo_58:
(Start: 2 @34373 has 10 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 10 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 10 MA's),

Gene: PhluffyCoco_60 Start: 35866, Stop: 35988, Start Num: 2
Candidate Starts for PhluffyCoco_60:
(Start: 2 @35866 has 10 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 10 MA's),

Gene: RedFox_60 Start: 35864, Stop: 35986, Start Num: 2
Candidate Starts for RedFox_60:

(Start: 2 @35864 has 10 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 10 MA's), (4, 36058), (6, 36079),