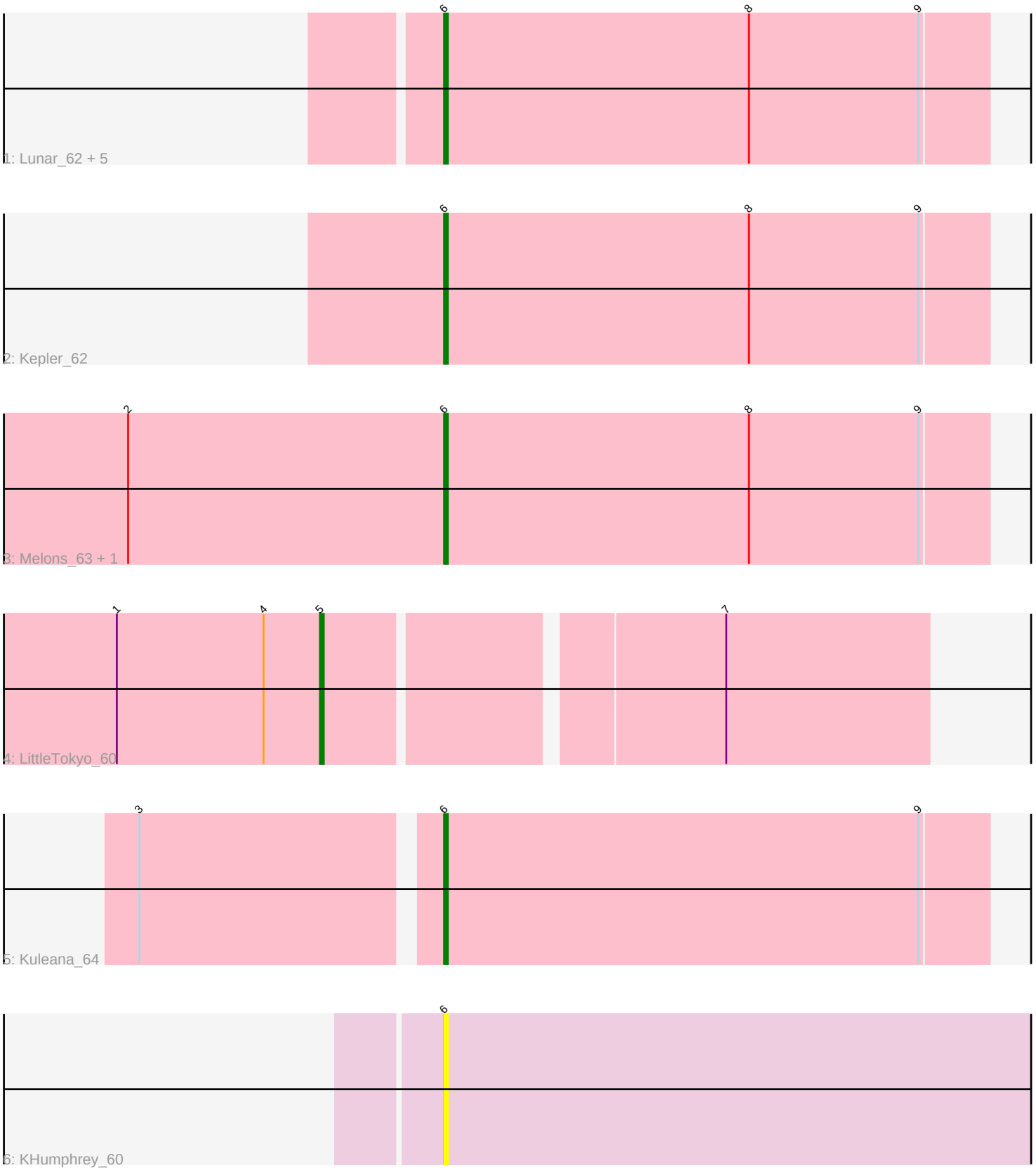
Pham 106814


6
8
9
1: Lunar_62 + 5
6
8
9
2: Kepler_62
2
6
8
9
3: Melons_63 + 1
1
4
5
7
4: LittleTokyo_60
3
6
9
5: Kuleana_64
6
6: KHumphrey_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 106814 Report

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

Pham number 106814 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Lunar_62, HannahPhantana_69, Coral_60, Polka_60, Daob_62, Amelia_60
• Track 2 : Kepler_62
• Track 3 : Melons_63, Cote_63
• Track 4 : LittleTokyo_60
• Track 5 : Kuleana_64
• Track 6 : KHumphrey_60

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 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amelia_60, Coral_60, Cote_63, Daob_62, HannahPhantana_69, KHumphrey_60, Kepler_62, Kuleana_64, Lunar_62, Melons_63, Polka_60,

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

Genes that do not have the "Most Annotated" start:
• LittleTokyo_60,

Summary by start number:

Start 5:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LittleTokyo_60 (AS2),

Start 6:
• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 9 of 10

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amelia_60 (AS2), Coral_60 (AS2), Cote_63 (AS2), Daob_62 (AS2), HannahPhantana_69 (AS2), KHumphrey_60 (AS3), Kepler_62 (AS2), Kuleana_64 (AS2), Lunar_62 (AS2), Melons_63 (AS2), Polka_60 (AS2),

Summary by clusters:

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

Info for manual annotations of cluster AS2:
•Start number 5 was manually annotated 1 time for cluster AS2.
•Start number 6 was manually annotated 9 times for cluster AS2.

Gene Information:

Gene: Amelia_60 Start: 35002, Stop: 35145, Start Num: 6
Candidate Starts for Amelia_60:
(Start: 6 @35002 has 9 MA's), (8, 35083), (9, 35128),

Gene: Coral_60 Start: 34907, Stop: 35050, Start Num: 6
Candidate Starts for Coral_60:
(Start: 6 @34907 has 9 MA's), (8, 34988), (9, 35033),

Gene: Cote_63 Start: 35343, Stop: 35486, Start Num: 6
Candidate Starts for Cote_63:
(2, 35259), (Start: 6 @35343 has 9 MA's), (8, 35424), (9, 35469),

Gene: Daob_62 Start: 35351, Stop: 35494, Start Num: 6
Candidate Starts for Daob_62:
(Start: 6 @35351 has 9 MA's), (8, 35432), (9, 35477),

Gene: HannahPhantana_69 Start: 34997, Stop: 35140, Start Num: 6
Candidate Starts for HannahPhantana_69:
(Start: 6 @34997 has 9 MA's), (8, 35078), (9, 35123),

Gene: KHumphrey_60 Start: 35788, Stop: 35952, Start Num: 6
Candidate Starts for KHumphrey_60:
(Start: 6 @35788 has 9 MA's),

Gene: Kepler_62 Start: 35121, Stop: 35264, Start Num: 6
Candidate Starts for Kepler_62:
(Start: 6 @35121 has 9 MA's), (8, 35202), (9, 35247),

Gene: Kuleana_64 Start: 35914, Stop: 36057, Start Num: 6
Candidate Starts for Kuleana_64:
(3, 35839), (Start: 6 @35914 has 9 MA's), (9, 36040),

Gene: LittleTokyo_60 Start: 34709, Stop: 34861, Start Num: 5
Candidate Starts for LittleTokyo_60:

(1, 34655), (4, 34694), (Start: 5 @34709 has 1 MA's), (7, 34808),

Gene: Lunar_62 Start: 35030, Stop: 35173, Start Num: 6
Candidate Starts for Lunar_62:
(Start: 6 @35030 has 9 MA's), (8, 35111), (9, 35156),

Gene: Melons_63 Start: 35188, Stop: 35331, Start Num: 6
Candidate Starts for Melons_63:
(2, 35104), (Start: 6 @35188 has 9 MA's), (8, 35269), (9, 35314),

Gene: Polka_60 Start: 34852, Stop: 34995, Start Num: 6
Candidate Starts for Polka_60:
(Start: 6 @34852 has 9 MA's), (8, 34933), (9, 34978),