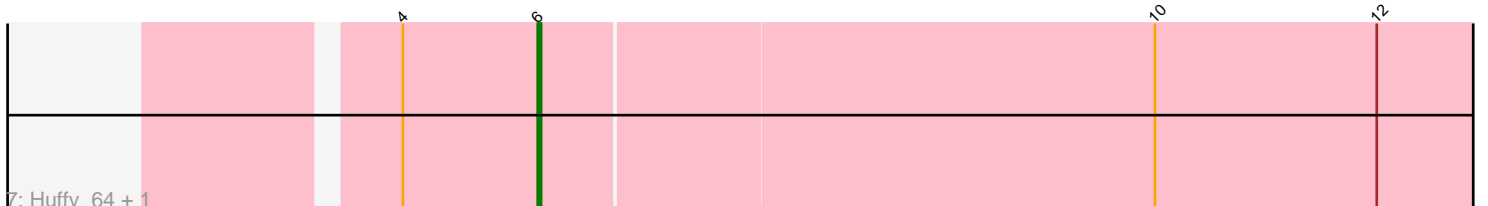
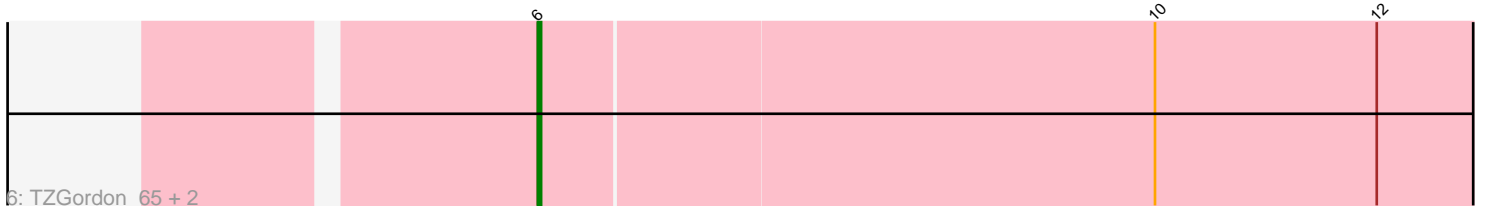
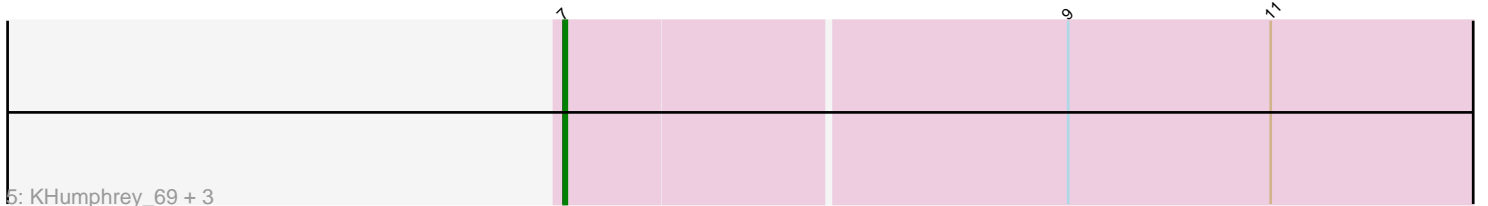
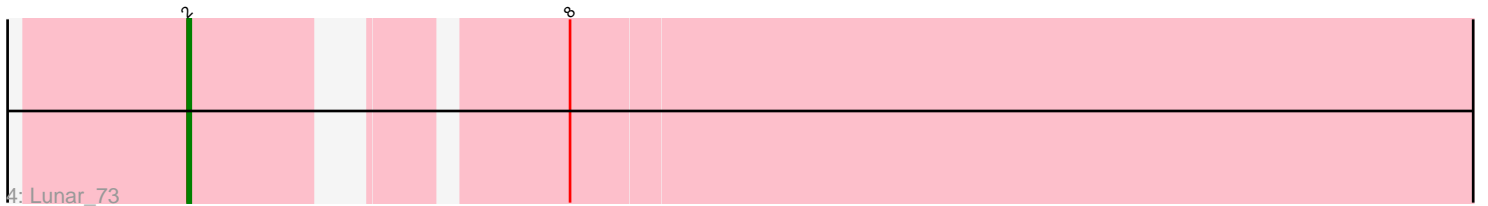
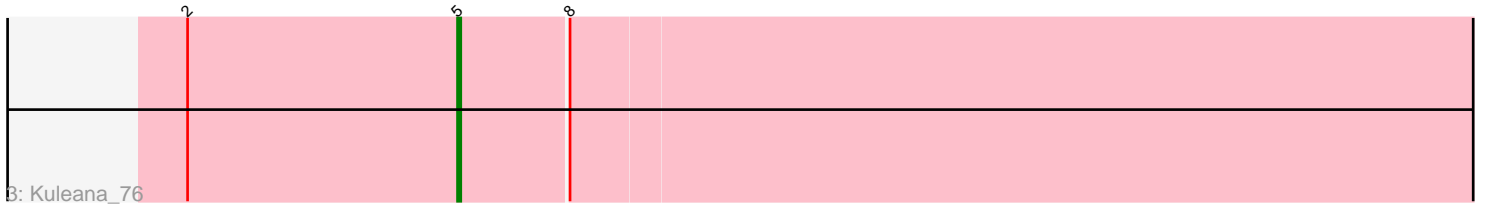
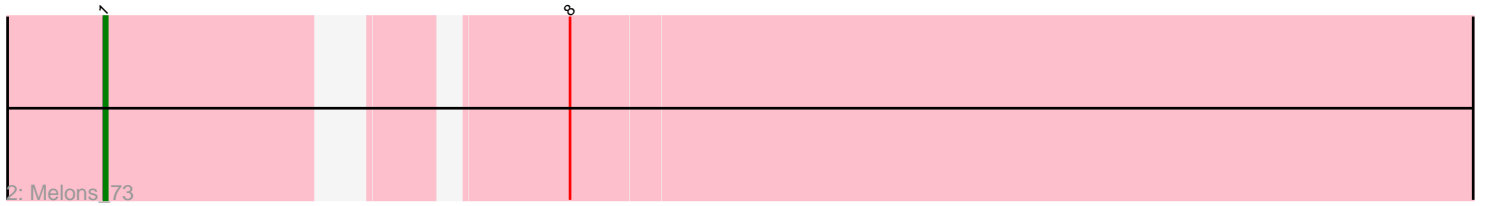


Pham 171819



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 171819 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171819 has 18 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Kepler_75, Coral_72, Cote_75, Amelia_71, Daob_71, Polka_71
- Track 2 : Melons_73
- Track 3 : Kuleana_76
- Track 4 : Lunar_73
- Track 5 : KHumphrey_69, Juno112_70, PhluffyCoco_69, RedFox_71
- Track 6 : TZGordon_65, Vendetta_64, Splinter_64
- Track 7 : Huffy_64, DinoDaryn_64

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amelia_71, Coral_72, Cote_75, Daob_71, Kepler_75, Polka_71,

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

-

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

- DinoDaryn_64, Huffy_64, Juno112_70, KHumphrey_69, Kuleana_76, Lunar_73, Melons_73, PhluffyCoco_69, RedFox_71, Splinter_64, TZGordon_65, Vendetta_64,

Summary by start number:

Start 1:

- Found in 1 of 18 (5.6%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Melons_73 (AS2),

Start 2:

- Found in 2 of 18 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 15

- Called 50.0% of time when present
- Phage (with cluster) where this start called: Lunar_73 (AS2),

Start 3:

- Found in 6 of 18 (33.3%) of genes in pham
- Manual Annotations of this start: 6 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amelia_71 (AS2), Coral_72 (AS2), Cote_75 (AS2), Daob_71 (AS2), Kepler_75 (AS2), Polka_71 (AS2),

Start 5:

- Found in 1 of 18 (5.6%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kuleana_76 (AS2),

Start 6:

- Found in 5 of 18 (27.8%) of genes in pham
- Manual Annotations of this start: 5 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DinoDaryn_64 (CU1), Huffy_64 (CU1), Splinter_64 (CU1), TZGordon_65 (CU1), Vendetta_64 (CU1),

Start 7:

- Found in 4 of 18 (22.2%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Juno112_70 (AS3), KHumphrey_69 (AS3), PhluffyCoco_69 (AS3), RedFox_71 (AS3),

Summary by clusters:

There are 3 clusters represented in this pham: AS3, AS2, CU1,

Info for manual annotations of cluster AS2:

- Start number 1 was manually annotated 1 time for cluster AS2.
- Start number 2 was manually annotated 1 time for cluster AS2.
- Start number 3 was manually annotated 6 times for cluster AS2.
- Start number 5 was manually annotated 1 time for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 7 was manually annotated 1 time for cluster AS3.

Info for manual annotations of cluster CU1:

- Start number 6 was manually annotated 5 times for cluster CU1.

Gene Information:

Gene: Amelia_71 Start: 37701, Stop: 38054, Start Num: 3

Candidate Starts for Amelia_71:

(Start: 3 @37701 has 6 MA's), (8, 37767),

Gene: Coral_72 Start: 37893, Stop: 38243, Start Num: 3
Candidate Starts for Coral_72:
(Start: 3 @37893 has 6 MA's), (8, 37956),

Gene: Cote_75 Start: 38617, Stop: 38970, Start Num: 3
Candidate Starts for Cote_75:
(Start: 3 @38617 has 6 MA's), (8, 38683),

Gene: Daob_71 Start: 37543, Stop: 37893, Start Num: 3
Candidate Starts for Daob_71:
(Start: 3 @37543 has 6 MA's), (8, 37606),

Gene: DinoDaryn_64 Start: 39227, Stop: 39523, Start Num: 6
Candidate Starts for DinoDaryn_64:
(4, 39185), (Start: 6 @39227 has 5 MA's), (10, 39416), (12, 39485),

Gene: Huffy_64 Start: 39227, Stop: 39523, Start Num: 6
Candidate Starts for Huffy_64:
(4, 39185), (Start: 6 @39227 has 5 MA's), (10, 39416), (12, 39485),

Gene: Juno112_70 Start: 38104, Stop: 38391, Start Num: 7
Candidate Starts for Juno112_70:
(Start: 7 @38104 has 1 MA's), (9, 38257), (11, 38320),

Gene: KHumphrey_69 Start: 37978, Stop: 38265, Start Num: 7
Candidate Starts for KHumphrey_69:
(Start: 7 @37978 has 1 MA's), (9, 38131), (11, 38194),

Gene: Kepler_75 Start: 38025, Stop: 38375, Start Num: 3
Candidate Starts for Kepler_75:
(Start: 3 @38025 has 6 MA's), (8, 38088),

Gene: Kuleana_76 Start: 38455, Stop: 38775, Start Num: 5
Candidate Starts for Kuleana_76:
(Start: 2 @38371 has 1 MA's), (Start: 5 @38455 has 1 MA's), (8, 38488),

Gene: Lunar_73 Start: 37996, Stop: 38376, Start Num: 2
Candidate Starts for Lunar_73:
(Start: 2 @37996 has 1 MA's), (8, 38089),

Gene: Melons_73 Start: 37979, Stop: 38383, Start Num: 1
Candidate Starts for Melons_73:
(Start: 1 @37979 has 1 MA's), (8, 38096),

Gene: PhluffyCoco_69 Start: 38203, Stop: 38490, Start Num: 7
Candidate Starts for PhluffyCoco_69:
(Start: 7 @38203 has 1 MA's), (9, 38356), (11, 38419),

Gene: Polka_71 Start: 37650, Stop: 38003, Start Num: 3
Candidate Starts for Polka_71:
(Start: 3 @37650 has 6 MA's), (8, 37716),

Gene: RedFox_71 Start: 38363, Stop: 38650, Start Num: 7
Candidate Starts for RedFox_71:
(Start: 7 @38363 has 1 MA's), (9, 38516), (11, 38579),

Gene: Splinter_64 Start: 40315, Stop: 40611, Start Num: 6
Candidate Starts for Splinter_64:
(Start: 6 @40315 has 5 MA's), (10, 40504), (12, 40573),

Gene: TZGordon_65 Start: 39203, Stop: 39499, Start Num: 6
Candidate Starts for TZGordon_65:
(Start: 6 @39203 has 5 MA's), (10, 39392), (12, 39461),

Gene: Vendetta_64 Start: 40315, Stop: 40611, Start Num: 6
Candidate Starts for Vendetta_64:
(Start: 6 @40315 has 5 MA's), (10, 40504), (12, 40573),