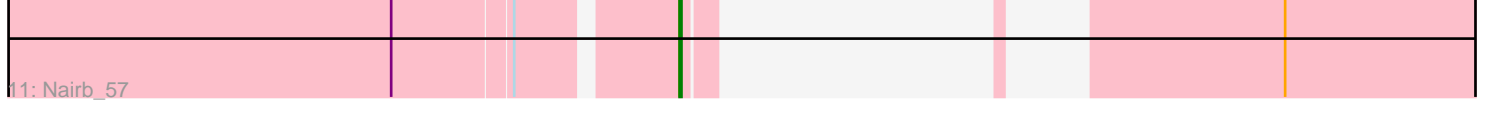
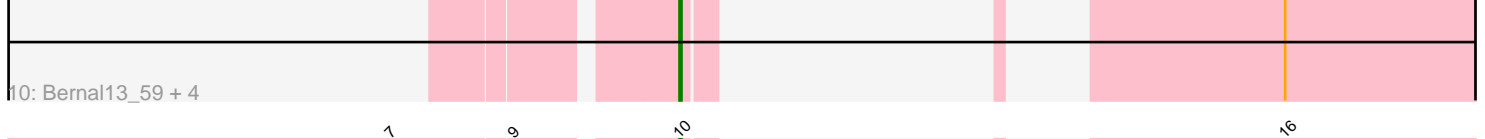
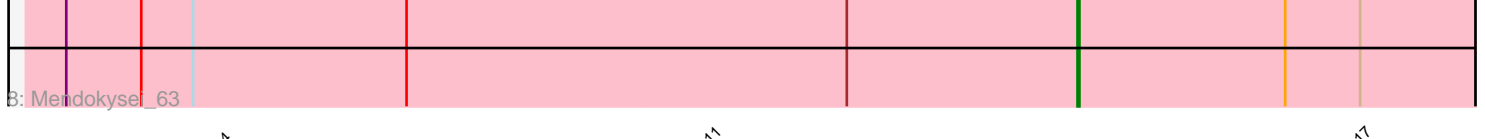
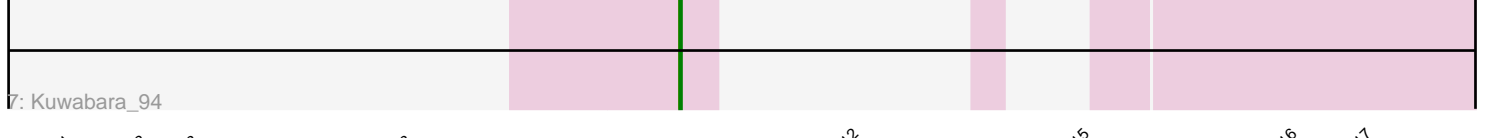
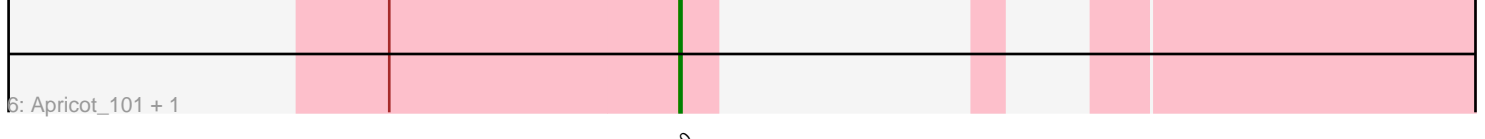
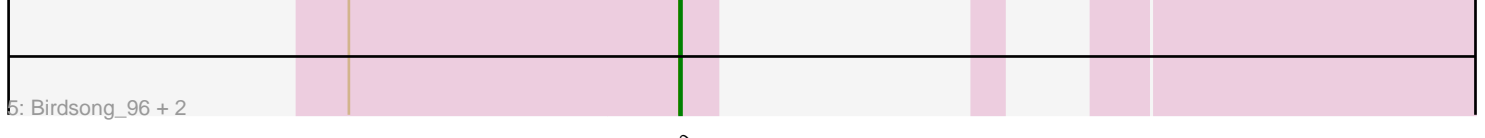
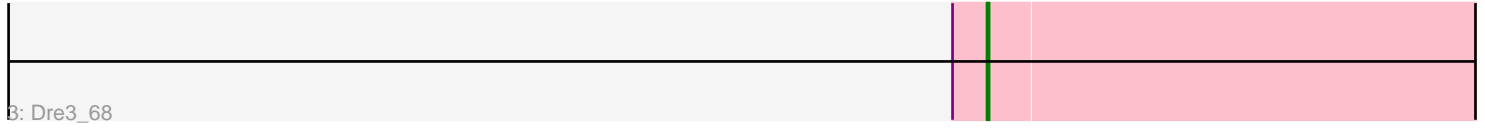
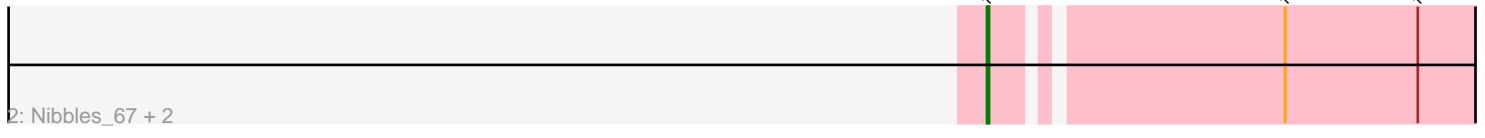
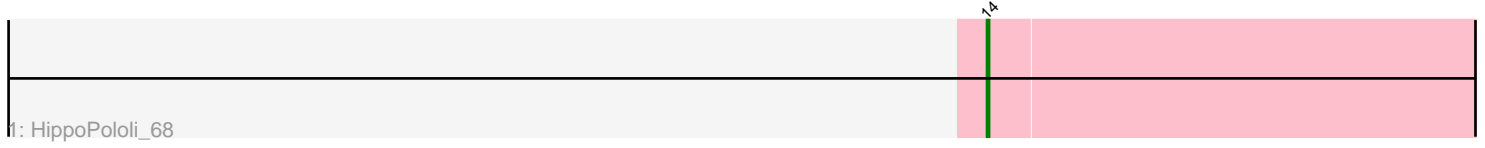


Pham 224904



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 224904 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224904 has 20 members, 2 are drafts.

Phages represented in each track:

- Track 1 : HippoPololi_68
- Track 2 : Nibbles_67, Azira_67, Fribs8_67
- Track 3 : Dre3_68
- Track 4 : Survivors_69
- Track 5 : Birdsong_96, BearBQ_102, MortyNRick_99
- Track 6 : Apricot_101, Crater_100
- Track 7 : Kuwabara_94
- Track 8 : Mendokysei_63
- Track 9 : Nette_66
- Track 10 : Bernal13_59, RonRayGun_59, Ibrahim_59, ZenTime222_65, Whitty_58
- Track 11 : Nairb_57

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

The start number called the most often in the published annotations is 10, it was called in 11 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Apricot_101, BearBQ_102, Bernal13_59, Birdsong_96, Crater_100, Ibrahim_59, Kuwabara_94, MortyNRick_99, Nairb_57, RonRayGun_59, Whitty_58, ZenTime222_65,

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

-

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

- Azira_67, Dre3_68, Fribs8_67, HippoPololi_68, Mendokysei_63, Nette_66, Nibbles_67, Survivors_69,

Summary by start number:

Start 10:

- Found in 12 of 20 (60.0%) of genes in pham
- Manual Annotations of this start: 11 of 18

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apricot_101 (DN3), BearBQ_102 (DN), Bernal13_59 (T), Birdsong_96 (DN), Crater_100 (DN3), Ibrahim_59 (T), Kuwabara_94 (DN4), MortyNRick_99 (DN), Nairb_57 (T), RonRayGun_59 (T), Whitty_58 (T), ZenTime222_65 (T),

Start 11:

- Found in 1 of 20 (5.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nette_66 (T),

Start 14:

- Found in 6 of 20 (30.0%) of genes in pham
- Manual Annotations of this start: 6 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Azira_67 (CT), Dre3_68 (CT), Fribs8_67 (CT), HippoPololi_68 (CT), Nibbles_67 (CT), Survivors_69 (CT),

Start 15:

- Found in 1 of 20 (5.0%) of genes in pham
- Manual Annotations of this start: 1 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mendokysei_63 (T),

Summary by clusters:

There are 5 clusters represented in this pham: DN, DN4, T, DN3, CT,

Info for manual annotations of cluster CT:

- Start number 14 was manually annotated 6 times for cluster CT.

Info for manual annotations of cluster DN:

- Start number 10 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN3:

- Start number 10 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 10 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster T:

- Start number 10 was manually annotated 6 times for cluster T.
- Start number 15 was manually annotated 1 time for cluster T.

Gene Information:

Gene: Apricot_101 Start: 51816, Stop: 52109, Start Num: 10

Candidate Starts for Apricot_101:

(6, 51666), (Start: 10 @51816 has 11 MA's),

Gene: Azira_67 Start: 45015, Stop: 45332, Start Num: 14
Candidate Starts for Azira_67:
(Start: 14 @45015 has 6 MA's), (16, 45153), (18, 45222),

Gene: BearBQ_102 Start: 54695, Stop: 54988, Start Num: 10
Candidate Starts for BearBQ_102:
(5, 54524), (Start: 10 @54695 has 11 MA's),

Gene: Bernal13_59 Start: 40895, Stop: 41194, Start Num: 10
Candidate Starts for Bernal13_59:
(Start: 10 @40895 has 11 MA's), (16, 41018),

Gene: Birdsong_96 Start: 52683, Stop: 52976, Start Num: 10
Candidate Starts for Birdsong_96:
(5, 52512), (Start: 10 @52683 has 11 MA's),

Gene: Crater_100 Start: 52160, Stop: 52453, Start Num: 10
Candidate Starts for Crater_100:
(6, 52010), (Start: 10 @52160 has 11 MA's),

Gene: Dre3_68 Start: 45474, Stop: 45806, Start Num: 14
Candidate Starts for Dre3_68:
(13, 45456), (Start: 14 @45474 has 6 MA's),

Gene: Fribs8_67 Start: 45643, Stop: 45981, Start Num: 14
Candidate Starts for Fribs8_67:
(Start: 14 @45643 has 6 MA's), (16, 45781), (18, 45850),

Gene: HippoPololi_68 Start: 45087, Stop: 45419, Start Num: 14
Candidate Starts for HippoPololi_68:
(Start: 14 @45087 has 6 MA's),

Gene: Ibrahim_59 Start: 41099, Stop: 41398, Start Num: 10
Candidate Starts for Ibrahim_59:
(Start: 10 @41099 has 11 MA's), (16, 41222),

Gene: Kuwabara_94 Start: 53726, Stop: 54019, Start Num: 10
Candidate Starts for Kuwabara_94:
(Start: 10 @53726 has 11 MA's),

Gene: Mendokysei_63 Start: 42026, Stop: 42310, Start Num: 15
Candidate Starts for Mendokysei_63:
(1, 41501), (2, 41540), (3, 41567), (8, 41678), (12, 41906), (Start: 15 @42026 has 1 MA's), (16, 42134),
(17, 42173),

Gene: MortyNRick_99 Start: 53600, Stop: 53893, Start Num: 10
Candidate Starts for MortyNRick_99:
(5, 53429), (Start: 10 @53600 has 11 MA's),

Gene: Nairb_57 Start: 40896, Stop: 41195, Start Num: 10
Candidate Starts for Nairb_57:
(7, 40761), (9, 40821), (Start: 10 @40896 has 11 MA's), (16, 41019),

Gene: Nette_66 Start: 41850, Stop: 42134, Start Num: 11
Candidate Starts for Nette_66:
(4, 41607), (11, 41850), (17, 41997),

Gene: Nibbles_67 Start: 45280, Stop: 45597, Start Num: 14
Candidate Starts for Nibbles_67:
(Start: 14 @45280 has 6 MA's), (16, 45418), (18, 45487),

Gene: RonRayGun_59 Start: 41099, Stop: 41398, Start Num: 10
Candidate Starts for RonRayGun_59:
(Start: 10 @41099 has 11 MA's), (16, 41222),

Gene: Survivors_69 Start: 45115, Stop: 45432, Start Num: 14
Candidate Starts for Survivors_69:
(Start: 14 @45115 has 6 MA's), (16, 45253), (18, 45322),

Gene: Whitty_58 Start: 40896, Stop: 41195, Start Num: 10
Candidate Starts for Whitty_58:
(Start: 10 @40896 has 11 MA's), (16, 41019),

Gene: ZenTime222_65 Start: 41847, Stop: 42146, Start Num: 10
Candidate Starts for ZenTime222_65:
(Start: 10 @41847 has 11 MA's), (16, 41970),