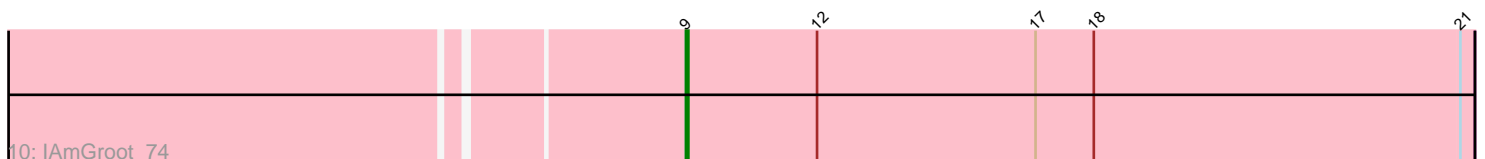
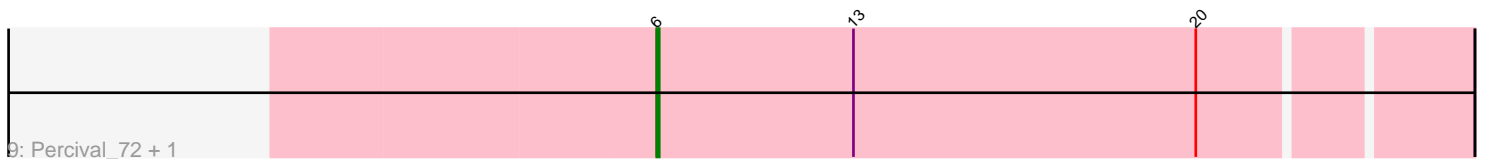
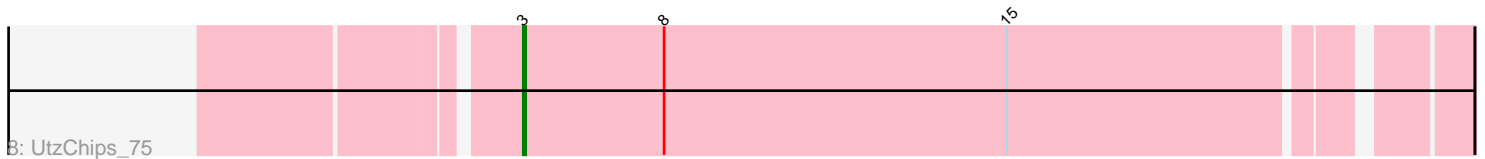
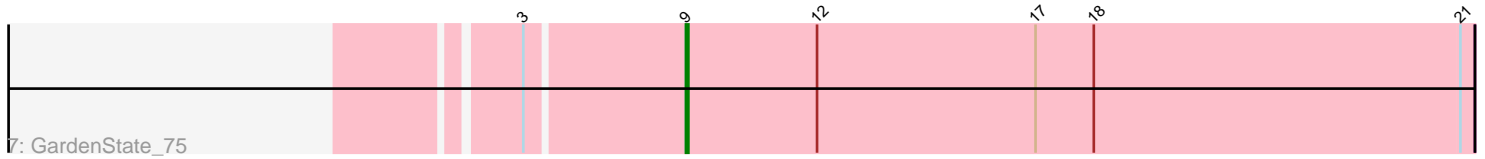
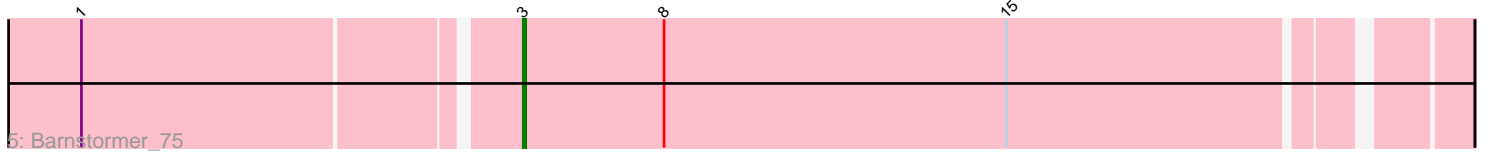
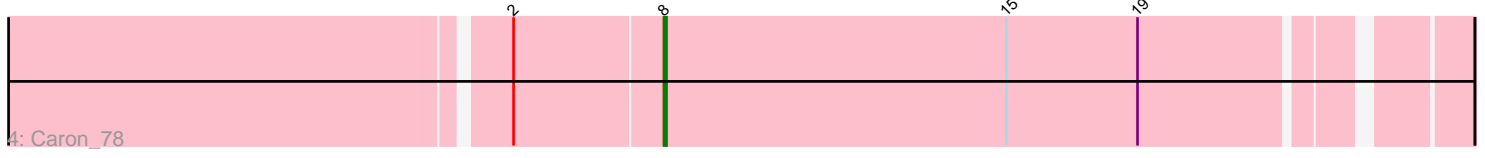
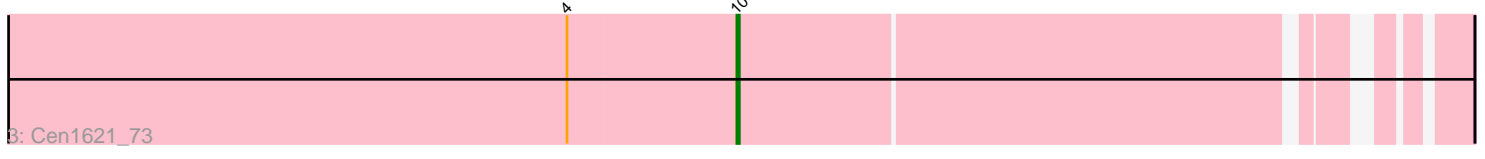
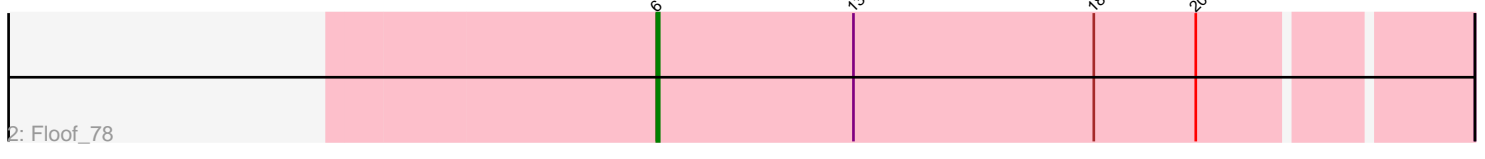
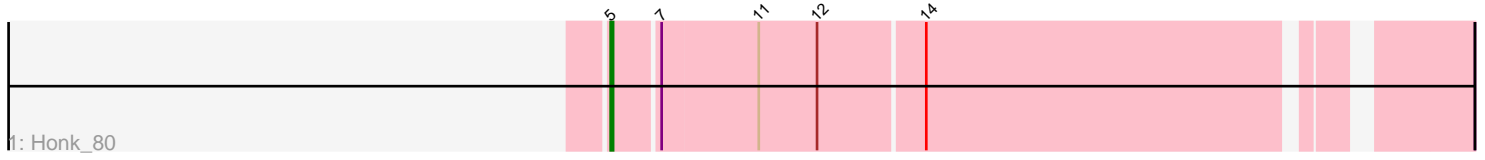


Pham 156825



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 156825 Report

This analysis was run 04/12/24 on database version 558.

Pham number 156825 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Honk_80
- Track 2 : Floof_78
- Track 3 : Cen1621_73
- Track 4 : Caron_78
- Track 5 : Barnstormer_75
- Track 6 : SuMoo_82
- Track 7 : GardenState_75
- Track 8 : UtzChips_75
- Track 9 : Percival_72, Gretchen_71
- Track 10 : IAmGroot_74

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 3 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Floof_78, Gretchen_71, Percival_72,

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

-

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

- Barnstormer_75, Caron_78, Cen1621_73, GardenState_75, Honk_80, IAmGroot_74, SuMoo_82, UtzChips_75,

Summary by start number:

Start 3:

- Found in 3 of 11 (27.3%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Barnstormer_75 (EH), UtzChips_75 (EH),

Start 5:

- Found in 1 of 11 (9.1%) 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: Honk_80 (EH),

Start 6:

- Found in 3 of 11 (27.3%) of genes in pham
- Manual Annotations of this start: 3 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Floof_78 (EH), Gretchen_71 (EH), Percival_72 (EH),

Start 8:

- Found in 4 of 11 (36.4%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Caron_78 (EH), SuMoo_82 (EH),

Start 9:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GardenState_75 (EH), IAmGroot_74 (EH),

Start 10:

- Found in 1 of 11 (9.1%) 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: Cen1621_73 (EH),

Summary by clusters:

There is one cluster represented in this pham: EH

Info for manual annotations of cluster EH:

- Start number 3 was manually annotated 2 times for cluster EH.
- Start number 5 was manually annotated 1 time for cluster EH.
- Start number 6 was manually annotated 3 times for cluster EH.
- Start number 8 was manually annotated 1 time for cluster EH.
- Start number 9 was manually annotated 2 times for cluster EH.
- Start number 10 was manually annotated 1 time for cluster EH.

Gene Information:

Gene: Barnstormer_75 Start: 45759, Stop: 46130, Start Num: 3

Candidate Starts for Barnstormer_75:

(1, 45591), (Start: 3 @45759 has 2 MA's), (Start: 8 @45816 has 1 MA's), (15, 45957),

Gene: Caron_78 Start: 46229, Stop: 46543, Start Num: 8
Candidate Starts for Caron_78:
(2, 46169), (Start: 8 @46229 has 1 MA's), (15, 46370), (19, 46424),

Gene: Cen1621_73 Start: 47459, Stop: 47728, Start Num: 10
Candidate Starts for Cen1621_73:
(4, 47390), (Start: 10 @47459 has 1 MA's),

Gene: Floof_78 Start: 47108, Stop: 47434, Start Num: 6
Candidate Starts for Floof_78:
(Start: 6 @47108 has 3 MA's), (13, 47189), (18, 47288), (20, 47330),

Gene: GardenState_75 Start: 44418, Stop: 44741, Start Num: 9
Candidate Starts for GardenState_75:
(Start: 3 @44355 has 2 MA's), (Start: 9 @44418 has 2 MA's), (12, 44472), (17, 44562), (18, 44586),
(21, 44736),

Gene: Gretchen_71 Start: 46146, Stop: 46472, Start Num: 6
Candidate Starts for Gretchen_71:
(Start: 6 @46146 has 3 MA's), (13, 46227), (20, 46368),

Gene: Honk_80 Start: 49039, Stop: 49365, Start Num: 5
Candidate Starts for Honk_80:
(Start: 5 @49039 has 1 MA's), (7, 49057), (11, 49096), (12, 49120), (14, 49162),

Gene: IAmGroot_74 Start: 44620, Stop: 44943, Start Num: 9
Candidate Starts for IAmGroot_74:
(Start: 9 @44620 has 2 MA's), (12, 44674), (17, 44764), (18, 44788), (21, 44938),

Gene: Percival_72 Start: 46047, Stop: 46373, Start Num: 6
Candidate Starts for Percival_72:
(Start: 6 @46047 has 3 MA's), (13, 46128), (20, 46269),

Gene: SuMoo_82 Start: 47927, Stop: 48250, Start Num: 8
Candidate Starts for SuMoo_82:
(Start: 8 @47927 has 1 MA's), (16, 48077), (21, 48245),

Gene: UtzChips_75 Start: 45721, Stop: 46092, Start Num: 3
Candidate Starts for UtzChips_75:
(Start: 3 @45721 has 2 MA's), (Start: 8 @45778 has 1 MA's), (15, 45919),