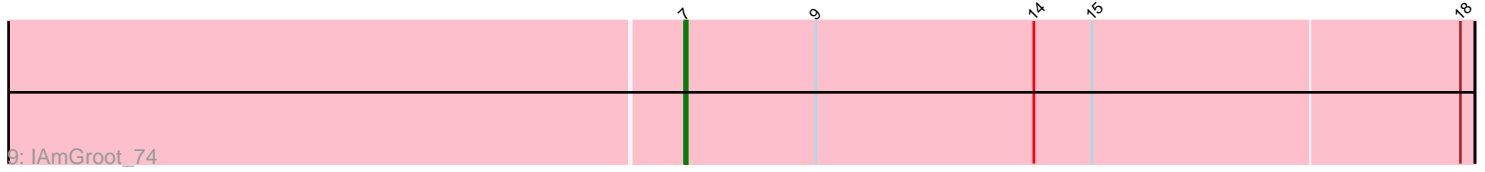
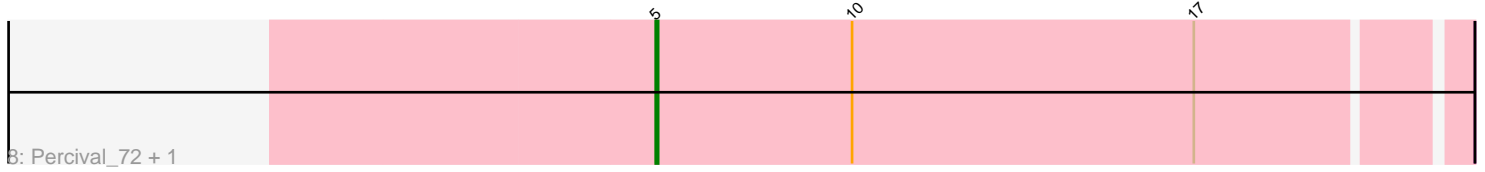
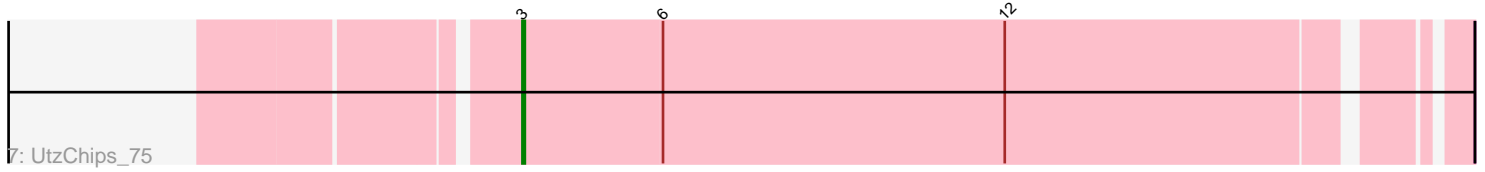
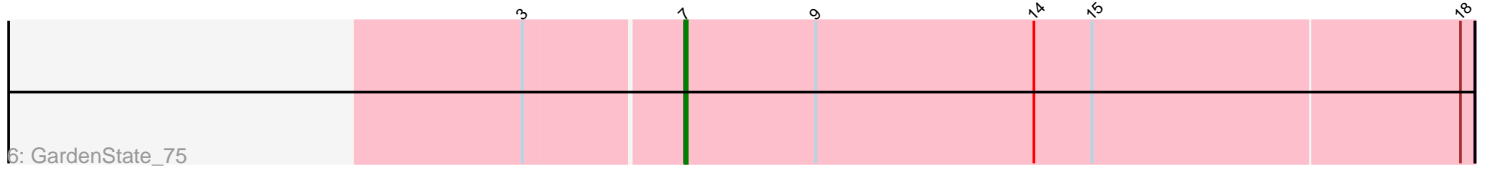
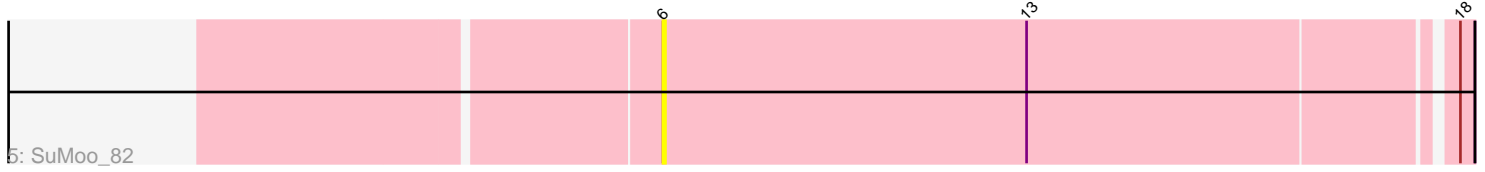
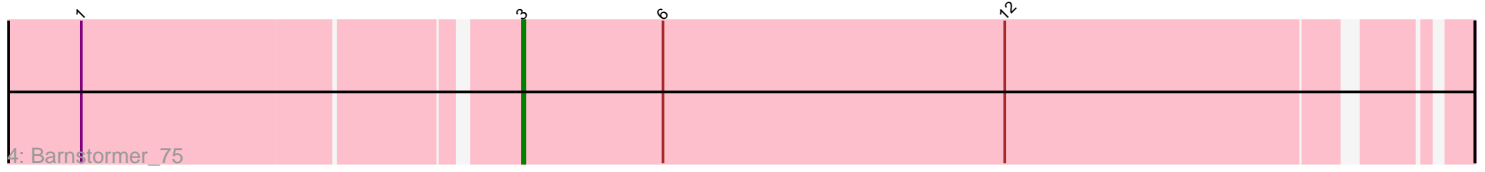
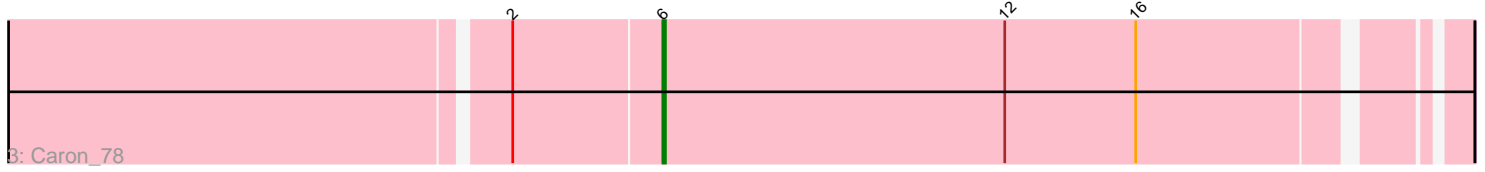
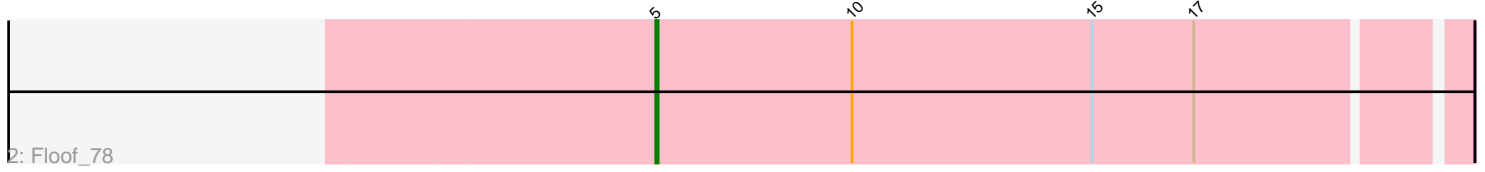
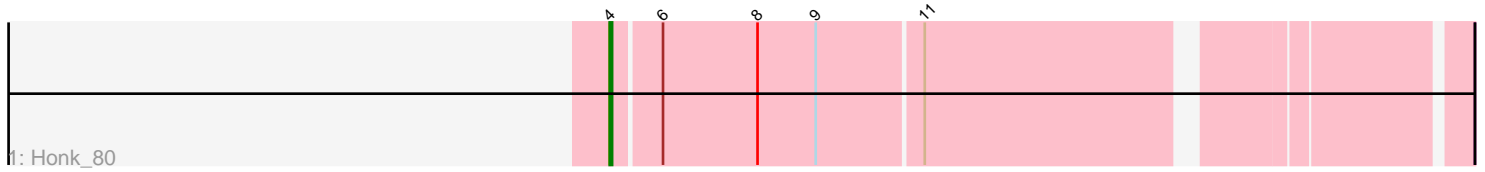


# Pham 164107



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 164107 Report

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

Pham number 164107 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Honk\_80
- Track 2 : Floof\_78
- Track 3 : Caron\_78
- Track 4 : Barnstormer\_75
- Track 5 : SuMoo\_82
- Track 6 : GardenState\_75
- Track 7 : UtzChips\_75
- Track 8 : Percival\_72, Gretchen\_71
- Track 9 : 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 5, it was called in 3 of the 9 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, GardenState\_75, Honk\_80, IAmGroot\_74, SuMoo\_82, UtzChips\_75,

### **Summary by start number:**

Start 3:

- Found in 3 of 10 ( 30.0% ) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Barnstormer\_75 (EH), UtzChips\_75 (EH),

Start 4:

- Found in 1 of 10 ( 10.0% ) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Honk\_80 (EH),

Start 5:

- Found in 3 of 10 ( 30.0% ) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Floof\_78 (EH), Gretchen\_71 (EH), Percival\_72 (EH),

Start 6:

- Found in 5 of 10 ( 50.0% ) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Caron\_78 (EH), SuMoo\_82 (EH),

Start 7:

- Found in 2 of 10 ( 20.0% ) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GardenState\_75 (EH), IAmGroot\_74 (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 4 was manually annotated 1 time for cluster EH.
- Start number 5 was manually annotated 3 times for cluster EH.
- Start number 6 was manually annotated 1 time for cluster EH.
- Start number 7 was manually annotated 2 times 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: 6 @45816 has 1 MA's), (12, 45957),

Gene: Caron\_78 Start: 46229, Stop: 46543, Start Num: 6

Candidate Starts for Caron\_78:

(2, 46169), (Start: 6 @46229 has 1 MA's), (12, 46370), (16, 46424),

Gene: Floof\_78 Start: 47108, Stop: 47434, Start Num: 5

Candidate Starts for Floof\_78:

(Start: 5 @47108 has 3 MA's), (10, 47189), (15, 47288), (17, 47330),

Gene: GardenState\_75 Start: 44418, Stop: 44741, Start Num: 7

Candidate Starts for GardenState\_75:

(Start: 3 @44355 has 2 MA's), (Start: 7 @44418 has 2 MA's), (9, 44472), (14, 44562), (15, 44586), (18, 44736),

Gene: Gretchen\_71 Start: 46146, Stop: 46472, Start Num: 5

Candidate Starts for Gretchen\_71:

(Start: 5 @46146 has 3 MA's), (10, 46227), (17, 46368),

Gene: Honk\_80 Start: 49039, Stop: 49365, Start Num: 4

Candidate Starts for Honk\_80:

(Start: 4 @49039 has 1 MA's), (Start: 6 @49057 has 1 MA's), (8, 49096), (9, 49120), (11, 49162),

Gene: IAmGroot\_74 Start: 44620, Stop: 44943, Start Num: 7

Candidate Starts for IAmGroot\_74:

(Start: 7 @44620 has 2 MA's), (9, 44674), (14, 44764), (15, 44788), (18, 44938),

Gene: Percival\_72 Start: 46047, Stop: 46373, Start Num: 5

Candidate Starts for Percival\_72:

(Start: 5 @46047 has 3 MA's), (10, 46128), (17, 46269),

Gene: SuMoo\_82 Start: 47927, Stop: 48250, Start Num: 6

Candidate Starts for SuMoo\_82:

(Start: 6 @47927 has 1 MA's), (13, 48077), (18, 48245),

Gene: UtzChips\_75 Start: 45721, Stop: 46092, Start Num: 3

Candidate Starts for UtzChips\_75:

(Start: 3 @45721 has 2 MA's), (Start: 6 @45778 has 1 MA's), (12, 45919),