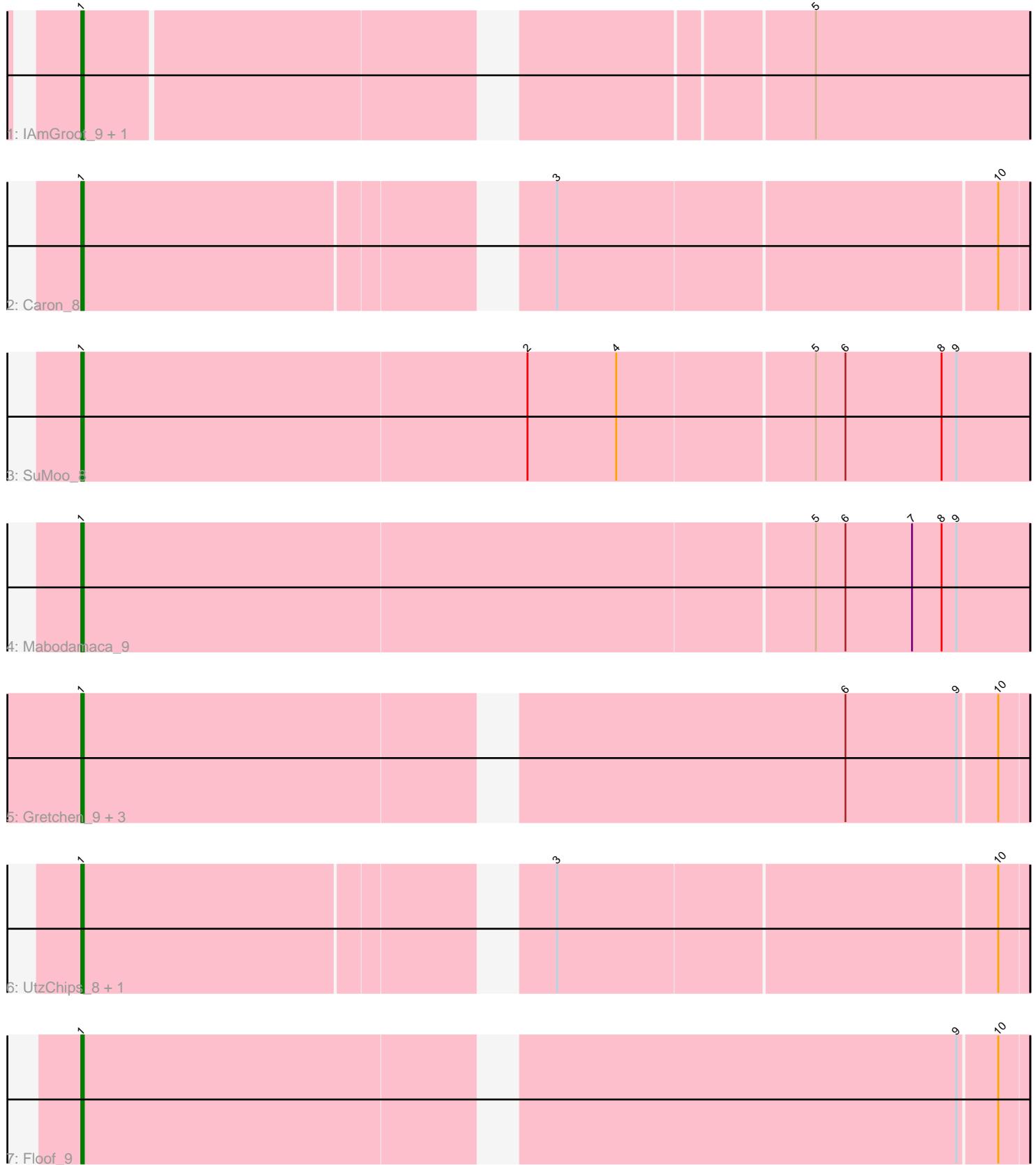


Pham 281055



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 281055 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281055 has 12 members, 2 are drafts.

Phages represented in each track:

- Track 1 : IAmGroot\_9, GardenState\_9
- Track 2 : Caron\_8
- Track 3 : SuMoo\_8
- Track 4 : Mabodamaca\_9
- Track 5 : Gretchen\_9, SuperHands\_10, Forester\_16, Percival\_9
- Track 6 : UtzChips\_8, Barnstormer\_8
- Track 7 : Floof\_9

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

The start number called the most often in the published annotations is 1, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Barnstormer\_8, Caron\_8, Floof\_9, Forester\_16, GardenState\_9, Gretchen\_9, IAmGroot\_9, Mabodamaca\_9, Percival\_9, SuMoo\_8, SuperHands\_10, UtzChips\_8,

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

- 

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

- 

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

Start 1:

- Found in 12 of 12 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Barnstormer\_8 (EH), Caron\_8 (EH), Floof\_9 (EH), Forester\_16 (EH), GardenState\_9 (EH), Gretchen\_9 (EH), IAmGroot\_9 (EH), Mabodamaca\_9 (EH), Percival\_9 (EH), SuMoo\_8 (EH), SuperHands\_10 (EH), UtzChips\_8 (EH),

## **Summary by clusters:**

There is one cluster represented in this pham: EH

Info for manual annotations of cluster EH:

- Start number 1 was manually annotated 10 times for cluster EH.

### ***Gene Information:***

Gene: Barnstormer\_8 Start: 7585, Stop: 7941, Start Num: 1

Candidate Starts for Barnstormer\_8:

(Start: 1 @7585 has 10 MA's), (3, 7756), (10, 7930),

Gene: Caron\_8 Start: 7613, Stop: 7969, Start Num: 1

Candidate Starts for Caron\_8:

(Start: 1 @7613 has 10 MA's), (3, 7784), (10, 7958),

Gene: Floof\_9 Start: 7145, Stop: 7507, Start Num: 1

Candidate Starts for Floof\_9:

(Start: 1 @7145 has 10 MA's), (9, 7481), (10, 7496),

Gene: Forester\_16 Start: 8697, Stop: 9059, Start Num: 1

Candidate Starts for Forester\_16:

(Start: 1 @8697 has 10 MA's), (6, 8988), (9, 9033), (10, 9048),

Gene: GardenState\_9 Start: 7818, Stop: 8174, Start Num: 1

Candidate Starts for GardenState\_9:

(Start: 1 @7818 has 10 MA's), (5, 8088),

Gene: Gretchen\_9 Start: 8691, Stop: 9053, Start Num: 1

Candidate Starts for Gretchen\_9:

(Start: 1 @8691 has 10 MA's), (6, 8982), (9, 9027), (10, 9042),

Gene: IAmGroot\_9 Start: 8462, Stop: 8818, Start Num: 1

Candidate Starts for IAmGroot\_9:

(Start: 1 @8462 has 10 MA's), (5, 8732),

Gene: Mabodamaca\_9 Start: 7894, Stop: 8274, Start Num: 1

Candidate Starts for Mabodamaca\_9:

(Start: 1 @7894 has 10 MA's), (5, 8188), (6, 8200), (7, 8227), (8, 8239), (9, 8245),

Gene: Percival\_9 Start: 8525, Stop: 8887, Start Num: 1

Candidate Starts for Percival\_9:

(Start: 1 @8525 has 10 MA's), (6, 8816), (9, 8861), (10, 8876),

Gene: SuMoo\_8 Start: 6854, Stop: 7234, Start Num: 1

Candidate Starts for SuMoo\_8:

(Start: 1 @6854 has 10 MA's), (2, 7034), (4, 7070), (5, 7148), (6, 7160), (8, 7199), (9, 7205),

Gene: SuperHands\_10 Start: 8697, Stop: 9059, Start Num: 1

Candidate Starts for SuperHands\_10:

(Start: 1 @8697 has 10 MA's), (6, 8988), (9, 9033), (10, 9048),

Gene: UtzChips\_8 Start: 7573, Stop: 7929, Start Num: 1

Candidate Starts for UtzChips\_8:

(Start: 1 @7573 has 10 MA's), (3, 7744), (10, 7918),