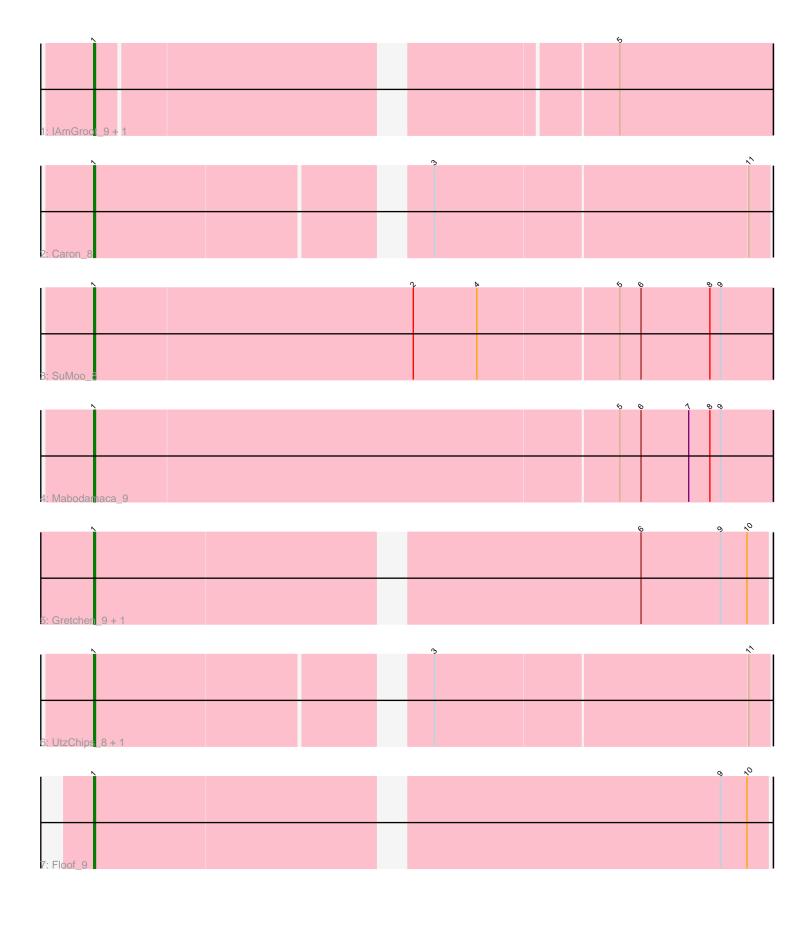# Pham 223636

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 223636 Report

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

Pham number 223636 has 10 members, 0 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, 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, GardenState_9, Gretchen_9, IAmGroot_9, Mabodamaca_9, Percival_9, SuMoo_8, 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 10 of 10 (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), GardenState_9 (EH), Gretchen_9 (EH), IAmGroot_9 (EH), Mabodamaca_9 (EH), Percival_9 (EH), SuMoo_8 (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), (11, 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), (11, 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: 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: UtzChips_8 Start: 7573, Stop: 7929, Start Num: 1
Candidate Starts for UtzChips_8:
(Start: 1 @7573 has 10 MA's), (3, 7744), (11, 7918),