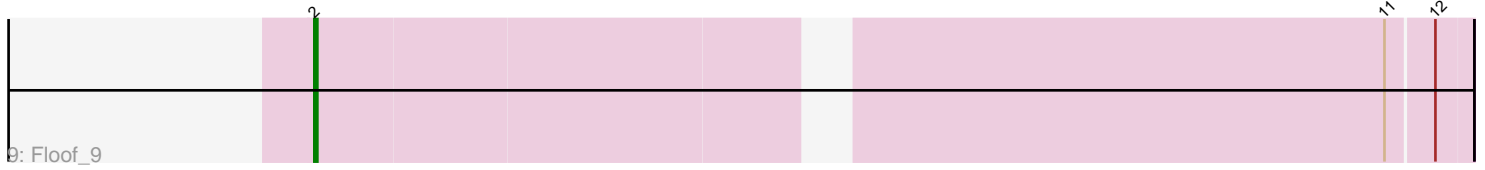
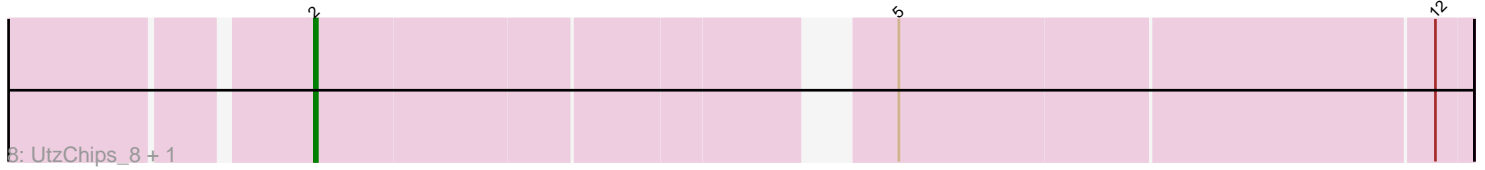
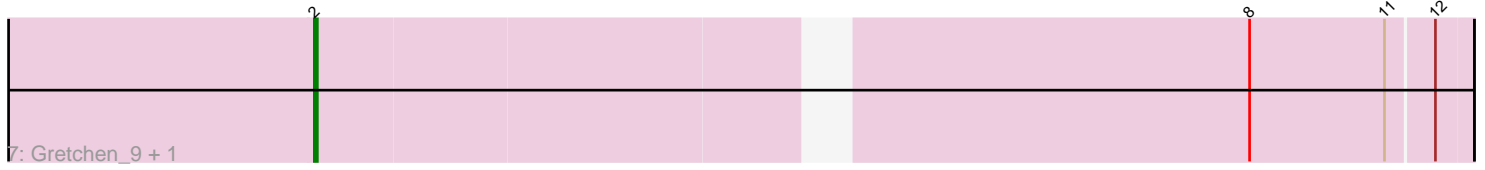
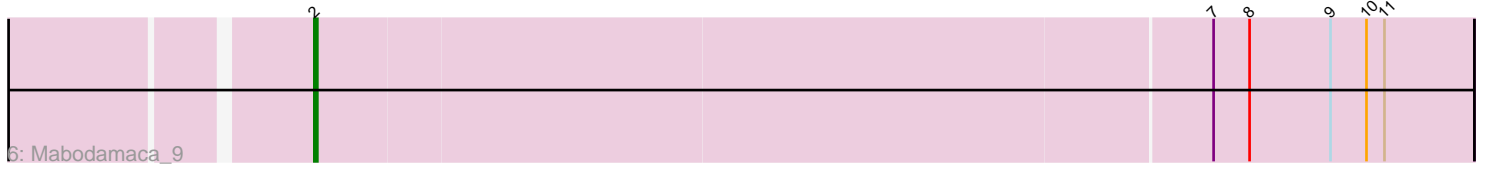
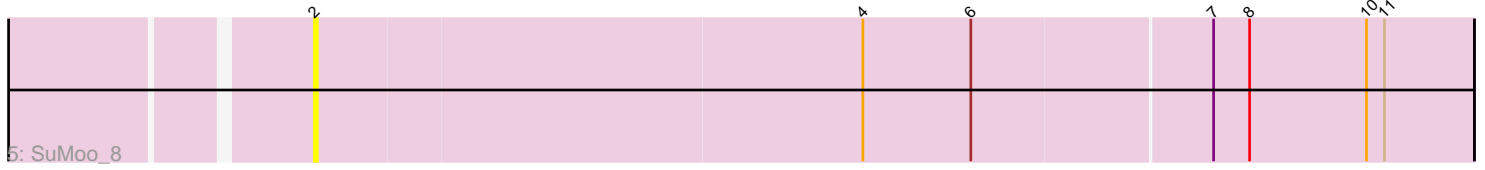
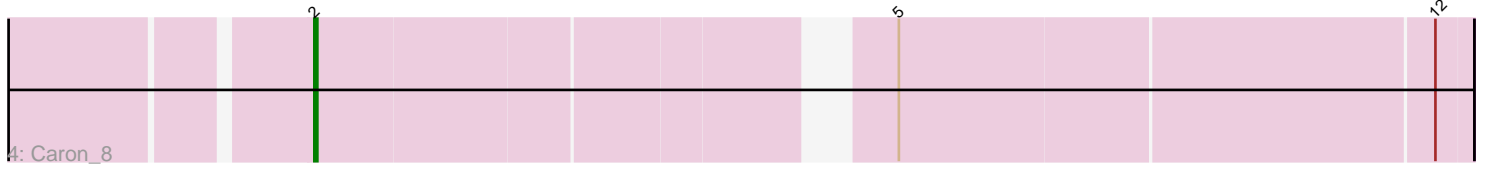
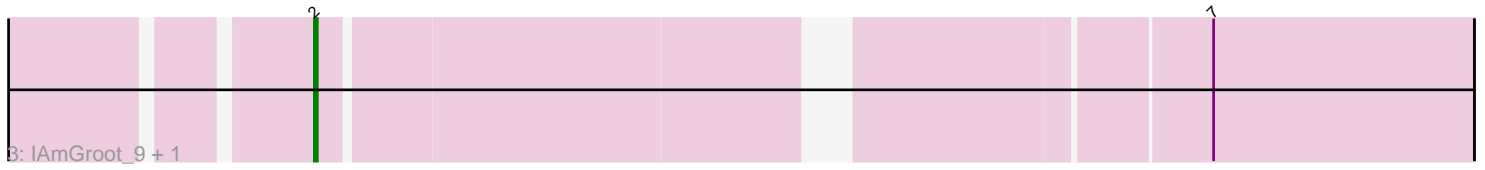
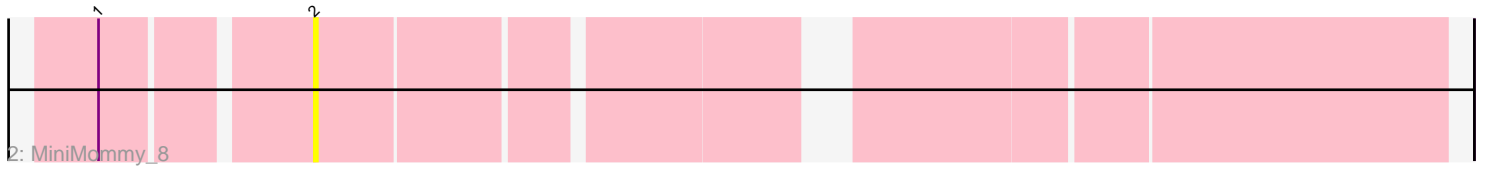
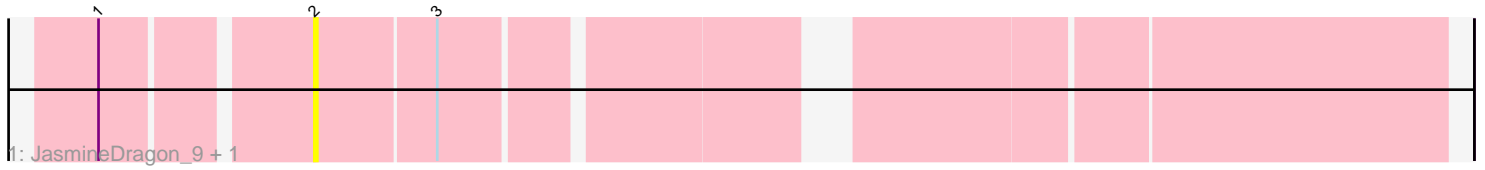


Pham 164039



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 164039 Report

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

Pham number 164039 has 13 members, 4 are drafts.

Phages represented in each track:

- Track 1 : JasmineDragon_9, ShakeltOph_9
- Track 2 : MiniMommy_8
- Track 3 : IAmGroot_9, GardenState_9
- Track 4 : Caron_8
- Track 5 : SuMoo_8
- Track 6 : Mabodamaca_9
- Track 7 : Gretchen_9, Percival_9
- Track 8 : UtzChips_8, Barnstormer_8
- Track 9 : 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 2, it was called in 9 of the 9 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, JasmineDragon_9, Mabodamaca_9, MiniMommy_8, Percival_9, ShakeltOph_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 2:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- 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),

JasmineDragon_9 (AZ4), Mabodamaca_9 (EH), MiniMommy_8 (AZ4), Percival_9 (EH), ShakeltOph_9 (AZ4), SuMoo_8 (EH), UtzChips_8 (EH),

Summary by clusters:

There are 2 clusters represented in this pham: AZ4, EH,

Info for manual annotations of cluster EH:

•Start number 2 was manually annotated 9 times for cluster EH.

Gene Information:

Gene: Barnstormer_8 Start: 7585, Stop: 7941, Start Num: 2

Candidate Starts for Barnstormer_8:

(Start: 2 @7585 has 9 MA's), (5, 7756), (12, 7930),

Gene: Caron_8 Start: 7613, Stop: 7969, Start Num: 2

Candidate Starts for Caron_8:

(Start: 2 @7613 has 9 MA's), (5, 7784), (12, 7958),

Gene: Floof_9 Start: 7145, Stop: 7507, Start Num: 2

Candidate Starts for Floof_9:

(Start: 2 @7145 has 9 MA's), (11, 7481), (12, 7496),

Gene: GardenState_9 Start: 7818, Stop: 8174, Start Num: 2

Candidate Starts for GardenState_9:

(Start: 2 @7818 has 9 MA's), (7, 8088),

Gene: Gretchen_9 Start: 8691, Stop: 9053, Start Num: 2

Candidate Starts for Gretchen_9:

(Start: 2 @8691 has 9 MA's), (8, 8982), (11, 9027), (12, 9042),

Gene: IAmGroot_9 Start: 8462, Stop: 8818, Start Num: 2

Candidate Starts for IAmGroot_9:

(Start: 2 @8462 has 9 MA's), (7, 8732),

Gene: JasmineDragon_9 Start: 6658, Stop: 6999, Start Num: 2

Candidate Starts for JasmineDragon_9:

(1, 6595), (Start: 2 @6658 has 9 MA's), (3, 6697),

Gene: Mabodamaca_9 Start: 7894, Stop: 8274, Start Num: 2

Candidate Starts for Mabodamaca_9:

(Start: 2 @7894 has 9 MA's), (7, 8188), (8, 8200), (9, 8227), (10, 8239), (11, 8245),

Gene: MiniMommy_8 Start: 6658, Stop: 6999, Start Num: 2

Candidate Starts for MiniMommy_8:

(1, 6595), (Start: 2 @6658 has 9 MA's),

Gene: Percival_9 Start: 8525, Stop: 8887, Start Num: 2

Candidate Starts for Percival_9:

(Start: 2 @8525 has 9 MA's), (8, 8816), (11, 8861), (12, 8876),

Gene: ShakeltOph_9 Start: 6658, Stop: 6999, Start Num: 2

Candidate Starts for ShakeltOph_9:

(1, 6595), (Start: 2 @6658 has 9 MA's), (3, 6697),

Gene: SuMoo_8 Start: 6854, Stop: 7234, Start Num: 2

Candidate Starts for SuMoo_8:

(Start: 2 @6854 has 9 MA's), (4, 7034), (6, 7070), (7, 7148), (8, 7160), (10, 7199), (11, 7205),

Gene: UtzChips_8 Start: 7573, Stop: 7929, Start Num: 2

Candidate Starts for UtzChips_8:

(Start: 2 @7573 has 9 MA's), (5, 7744), (12, 7918),