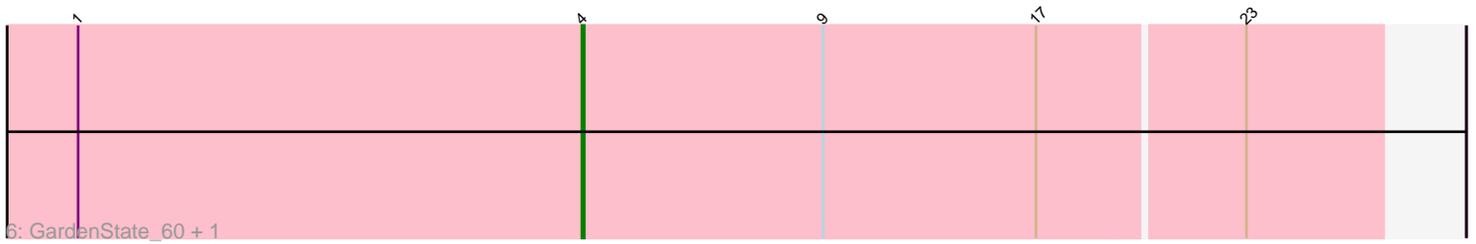
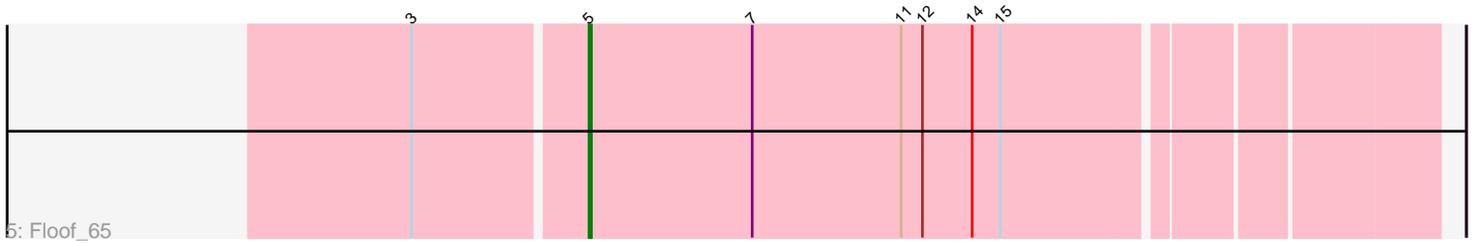
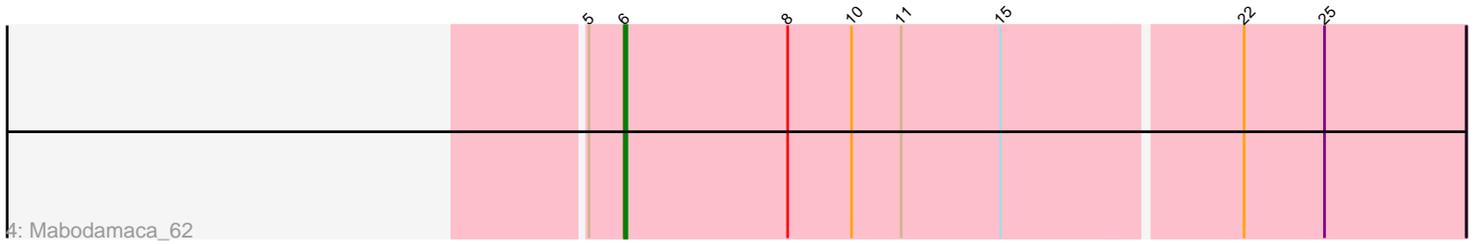
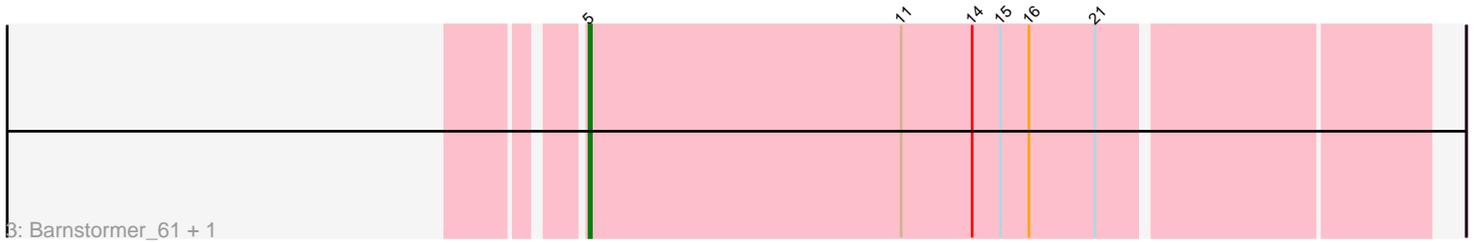
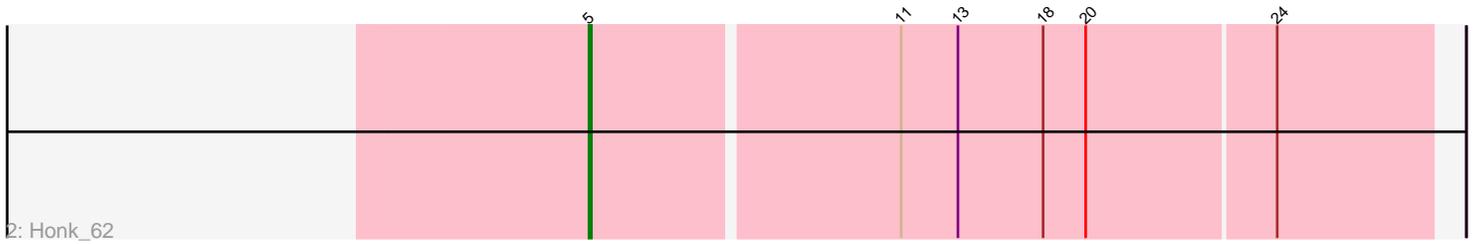


Pham 291831



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 291831 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291831 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Caron_64
- Track 2 : Honk_62
- Track 3 : Barnstormer_61, UtzChips_61
- Track 4 : Mabodamaca_62
- Track 5 : Floof_65
- Track 6 : GardenState_60, IAmGroot_59

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 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Barnstormer_61, Caron_64, Floof_65, Honk_62, UtzChips_61,

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

- Mabodamaca_62,

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

- GardenState_60, IAmGroot_59,

Summary by start number:

Start 4:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GardenState_60 (EH), IAmGroot_59 (EH),

Start 5:

- Found in 6 of 8 (75.0%) of genes in pham
- Manual Annotations of this start: 5 of 8
- Called 83.3% of time when present

- Phage (with cluster) where this start called: Barnstormer_61 (EH), Caron_64 (EH), Floof_65 (EH), Honk_62 (EH), UtzChips_61 (EH),

Start 6:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mabodamaca_62 (EH),

Summary by clusters:

There is one cluster represented in this pham: EH

Info for manual annotations of cluster EH:

- Start number 4 was manually annotated 2 times for cluster EH.
- Start number 5 was manually annotated 5 times for cluster EH.
- Start number 6 was manually annotated 1 time for cluster EH.

Gene Information:

Gene: Barnstormer_61 Start: 40351, Stop: 40692, Start Num: 5

Candidate Starts for Barnstormer_61:

(Start: 5 @40351 has 5 MA's), (11, 40483), (14, 40513), (15, 40525), (16, 40537), (21, 40564),

Gene: Caron_64 Start: 40865, Stop: 41200, Start Num: 5

Candidate Starts for Caron_64:

(2, 40772), (Start: 5 @40865 has 5 MA's), (14, 41027), (19, 41063), (26, 41192),

Gene: Floof_65 Start: 41571, Stop: 41912, Start Num: 5

Candidate Starts for Floof_65:

(3, 41508), (Start: 5 @41571 has 5 MA's), (7, 41640), (11, 41703), (12, 41712), (14, 41733), (15, 41745),

Gene: GardenState_60 Start: 39480, Stop: 39812, Start Num: 4

Candidate Starts for GardenState_60:

(1, 39267), (Start: 4 @39480 has 2 MA's), (9, 39582), (17, 39672), (23, 39756),

Gene: Honk_62 Start: 40045, Stop: 40392, Start Num: 5

Candidate Starts for Honk_62:

(Start: 5 @40045 has 5 MA's), (11, 40171), (13, 40195), (18, 40231), (20, 40249), (24, 40327),

Gene: IAmGroot_59 Start: 39685, Stop: 40017, Start Num: 4

Candidate Starts for IAmGroot_59:

(1, 39472), (Start: 4 @39685 has 2 MA's), (9, 39787), (17, 39877), (23, 39961),

Gene: Mabodamaca_62 Start: 42590, Stop: 42937, Start Num: 6

Candidate Starts for Mabodamaca_62:

(Start: 5 @42575 has 5 MA's), (Start: 6 @42590 has 1 MA's), (8, 42659), (10, 42686), (11, 42707), (15, 42749), (22, 42845), (25, 42878),

Gene: UtzChips_61 Start: 40336, Stop: 40677, Start Num: 5

Candidate Starts for UtzChips_61:

(Start: 5 @40336 has 5 MA's), (11, 40468), (14, 40498), (15, 40510), (16, 40522), (21, 40549),